

Derek Maheux Program Manager  
c/o Cellco Partnership d/b/a Verizon Wireless  
Centerline Communications, LLC  
750 West Center Street, Suite 301  
West Bridgewater, MA 02379  
Mobile: (508)649-3407  
[Dmaheux@clinellc.com](mailto:Dmaheux@clinellc.com)

January 9, 2024

Melanie A. Bachman  
Acting Executive Director  
Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051

**RE: Notice of Exempt Modification // Site: NORTH HAVEN 2 CT (ATC: 302482)  
15 Dwight Street, North Haven, CT 06473  
N 41.4208036 // W -72.84880704**

Dear Ms. Bachman,

Cellco Partnership d/b/a Verizon Wireless currently maintains nine (9) antenna at the 108-ft level on the existing 150ft Tower, located at 15 Dwight Street, North Haven, CT. The tower is owned by American Tower. Verizon Wireless proposed modification involves the installation of one (1) new platform mount, three (3) antenna, six (6) RRH and three (3) diplexer on a new Verizon Wireless antenna platform and mounting assembly. The existing platform will be removed.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §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 the 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). Enclosed to accommodate this filing are construction drawings dated January 4, 2024, by A.T Engineering Services, LLC, a structural analysis dated December 13, 2023, by American Tower Corp., and a structural mount analysis by Colliers Engineering and Design dated November 16, 2023, and Non-Ionizing Electromagnetic Radiation (NIER) Study dated December 20, 2023, by Tower Engineering Professionals.

1. The proposed modifications will not result in an increase in the height of the existing structure.
2. The proposed modifications 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 operation of the new antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading, as shown in the attached structural analysis and a structural mount analysis, pursuant to certain conditions defined therein. Design and engineering are fully illustrated within final construction drawings.

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

Sincerely,

*Derek Maheux*

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Derek Maheux, Program Manager  
c/o Cellco Partnership d/b/a Verizon Wireless  
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750 West Center Street, Suite 301  
West Bridgewater, MA 02379  
Mobile: (508) 649 2307  
[Dmaheux@clinellc.com](mailto:Dmaheux@clinellc.com)

Attachments: Exhibit 1 – Construction Drawings  
Exhibit 2 – Property Card and GIS  
Exhibit 3 – Structural Analysis  
Exhibit 4 – Mount Analysis  
Exhibit 5 – RF Emissions Analysis Report Evaluation  
Exhibit 6 – Available Original Tower Approval Records  
Exhibit 7 – Notice Deliver Confirmations

cc: Michael J. Freda – First Selectman – Chief Elected Official  
Laura Magaraci – Zoning Enforcement Officer - as P&Z official  
American Tower Corporation - as tower owner  
15 Dwight Street LLC – as ground owner

# EXHIBIT 1





VICINITY MAP



**AMERICAN TOWER®**

ATC SITE NAME: NORTH HAVEN CT 1  
 ATC SITE NUMBER: 302482  
 VERIZON SITE NAME: NORTH HAVEN 2 CT  
 VERIZON SITE NUMBER: 468218  
 VERIZON FUZE PID: 16227596  
 SITE ADDRESS: 15 DWIGHT STREET  
 NORTH HAVEN, CT 06473



LOCATION MAP

**BIRD WATCH SITE:**  
 PLEASE CONTACT BIRD.WATCH@AMERICANTOWER.COM OR  
 AMERICAN TOWER NOC AT 877-518-6937 FOR ASSISTANCE

**VERIZON AMENDMENT DRAWINGS**

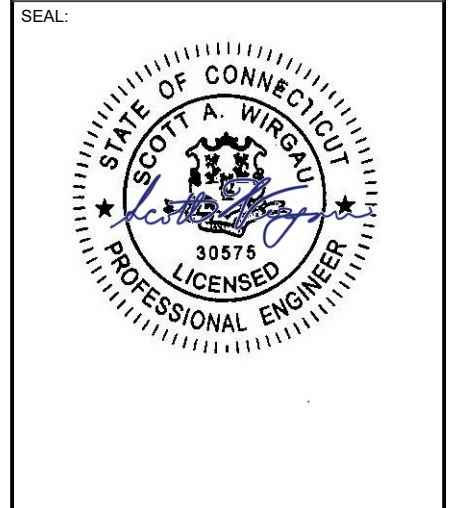
| COMPLIANCE CODE  | PROJECT SUMMARY  | PROJECT DESCRIPTION   | SHEET INDEX  |              |      |          |     |
|--|--|---|--|--------------|------|----------|-----|
| ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.<br><br>2021 IBC<br>NATIONAL ELECTRICAL CODE (NFPA 70, NEC 2020 W/ AMND)<br>2022 CONNECTICUT STATE BUILDING CODE, IMC PORTION (IMC 2021 W/ AMND)<br>2022 CONNECTICUT STATE BUILDING CODE, IPC PORTION (IPC 2021 W/ AMND)<br>2022 CONNECTICUT STATE BUILDING CODE, IECC PORTION (IECC 2021 W/ AMND)<br>PART III OF THE 2022 CT STATE FIRE SAFETY CODE (IFC 2021 W/ AMND)<br>2022 CONNECTICUT STATE BUILDING CODE, IEBC PORTION (IEBC 2021 W/ AMND)<br>2022 CONNECTICUT STATE BUILDING CODE<br>2022 CONNECTICUT STATE BUILDING CODE, IRC PORTION (IRC 2021 W/ AMND)<br>CONNECTICUT STATE FUEL GAS CODE (IFGC 2021 W/ AMND) | <u>SITE ADDRESS:</u><br>15 DWIGHT STREET<br>NORTH HAVEN, CT 06473<br>COUNTY: NEW HAVEN<br><br><u>GEOGRAPHIC COORDINATES:</u><br>LATITUDE: 41° 25' 14.893" N<br>41.4208036<br>LONGITUDE: 72° 50' 55.705" W<br>-72.84880704<br>GROUND ELEVATION: 26' AMSL  | THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW:<br><br>REMOVE PLATFORM MOUNT AND (12) RRH(s)<br><br>INSTALL (1) PLATFORM W/ HANDRAIL KIT, (3) ANTENNA(s), (3) RRH(s) W/ CLIP-ON ANTENNAS, (6) RRH(s) AND (3) DIPLEXER(s)<br><br>EXISTING (9) 1-1/4" COAX, (1) 1/2" COAX AND (2) 1-1/4" HYBRID CABLE(s) TO REMAIN<br><br>EXISTING (9) ANTENNA(S) AND (1) OVP(S) TO BE RELOCATED TO NEW MOUNT  | SHEET NO:  | DESCRIPTION: | REV: | DATE:    | BY: |
|  | <u>PROJECT TEAM</u><br><br><u>TOWER OWNER:</u> AMERICAN TOWER<br>10 PRESIDENTIAL WAY<br>WOBURN, MA 01801<br><br><u>ENGINEER:</u><br>A.T. ENGINEERING SERVICES LLC<br>1 FENTON MAIN, STE 300<br>CARY, NC 27511<br><br><u>PROPERTY OWNER:</u><br>15 DWIGHT ST LLC<br>15 DWIGHT STREET<br>NORTH HAVEN, CT 06473 | <u>PROJECT NOTES</u><br>1. THE FACILITY IS UNMANNED.<br>2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.<br>3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE.<br>4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED.<br>5. HANDICAP ACCESS IS NOT REQUIRED.<br>6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7). | G-001  | TITLE SHEET  | 0    | 01/04/24 | JMB |
| <u>UTILITY COMPANIES</u><br><br>POWER COMPANY: UNITED ILLUMINATING<br>PHONE: (800) 722-5584<br><br>TELEPHONE COMPANY: FRONTIER COMMUNICATIONS<br>PHONE: (800) 376-6843   | <u>APPLICANT:</u><br>VERIZON WIRELESS  | <u>PROJECT LOCATION DIRECTIONS</u><br><br>I-91 TO EXIT 13 TO RT 5 SOUTH. TURN RIGHT ONTO DEFCO PARK ROAD. TAKE FIRST RIGHT ONTO DODGE THEN LEFT ONTO DWIGHT. GO TO END OF STREET AND TURN LEFT INTO GATED PARKING LOT. TOWER IS IN BACK TO THE RIGHT.   | <u>CONTRACTOR PMI REQUIREMENTS</u><br><br>PMI ACCESSED AT: HTTPS://PMI.VZWSMART.COM<br><br>SMART TOOL VENDOR PROJECT NUMBER: 10214025<br><br>VZW LOCATION CODE (PSLC): 468218<br><br>***PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT<br><br>MOUNT MODIFICATION REQUIRED: YES-REPLACEMENT<br><br>VZW APPROVED SMART KIT VENDORS: REFER TO MOUNT MODIFICATION DRAWINGS PAGES FOR VZW SMART KIT APPROVED VENDORS |              |      |          |     |

**AMERICAN TOWER®**  
 A.T. ENGINEERING SERVICES LLC  
 1 FENTON MAIN  
 SUITE 300  
 CARY, NC 27511  
 PHONE: (919) 468-0112  
 PEC.0001553

THE USE AND PUBLICATION OF THESE DRAWINGS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY ARE PREPARED. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO AMERICAN TOWER OR THE SPECIFIED CARRIER IS STRICTLY PROHIBITED. NEITHER THE ARCHITECT NOR THE ENGINEER WILL BE PROVIDING ON-SITE CONSTRUCTION REVIEW OF THIS PROJECT. CONTRACTOR(S) MUST VERIFY ALL DIMENSIONS AND ADVISE AMERICAN TOWER OR THE SPECIFIED CARRIER OF ANY DISCREPANCIES. ANY PRIOR ISSUANCE OF THIS DRAWING IS SUPERSEDED BY THE LATEST VERSION.

| REV. | DESCRIPTION      | BY  | DATE     |
|------|------------------|-----|----------|
| 0    | FOR CONSTRUCTION | JMB | 01/04/24 |
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|      |                  |     |          |

ATC SITE NUMBER:  
 302482  
 ATC SITE NAME:  
 NORTH HAVEN CT 1  
 VERIZON SITE NAME:  
 NORTH HAVEN 2 CT  
 SITE ADDRESS:  
 15 DWIGHT STREET  
 NORTH HAVEN, CT 06473



ATC JOB NO: 14568540\_GO  
 CUSTOMER ID: NORTH HAVEN 2 CT  
 CUSTOMER #: 468218

**TITLE SHEET**

SHEET NUMBER: **G-001**  
 REVISION: **0**

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**GENERAL CONSTRUCTION NOTES:**

1. OWNER FURNISHED MATERIALS, VERIZON "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL
  - A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)
  - B. AC/TELCO INTERFACE BOX (PPC)
  - C. ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
  - D. TOWERS, MONOPOLES
  - E. TOWER LIGHTING
  - F. GENERATORS & LIQUID PROPANE TANK
  - G. ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
  - H. ANTENNAS (INSTALLED BY OTHERS)
  - I. TRANSMISSION LINE
  - J. TRANSMISSION LINE JUMPERS
  - K. TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
  - L. TRANSMISSION LINE GROUND KITS
  - M. HANGERS
  - N. HOISTING GRIPS
  - O. BTS EQUIPMENT
2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUB-FRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES, COPPER-CLAD OR XIT CHEMICAL GROUND ROD(S), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF VERIZON TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS.
3. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSIEIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
12. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE VERIZON REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE VERIZON REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE VERIZON REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE VERIZON CONSTRUCTION MANAGER.
15. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE VERIZON REP AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20. CONTRACTOR SHALL FURNISH VERIZON AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.

22. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO VERIZON FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
27. CONTRACTOR SHALL NOTIFY VERIZON REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
28. WHEN THE PROJECT SCOPE REQUIRES THE USE OF THE SAFETY CLIMB, THE GENERAL CONTRACTOR SHALL ENSURE THE SAFETY CLIMB IS FREE OF OBSTRUCTIONS, NOT RUBBING ON OR TRAPPED BY ANY INSTALLED CUSTOMER EQUIPMENT, IS VISUALLY TAUT, MEETS MANUFACTURER INSTALLATION SPECIFICATIONS, AND IS FIRMLY SECURED AT ALL CABLE GUIDE LOCATIONS UPON PROJECT COMPLETION.
29. COMPLETION OF PROJECT SHALL NOT OBSTRUCT, TRAP, LOOSEN, OR OTHERWISE CAUSE FAILURE TO MEET MANUFACTURER INSTALLATION REQUIREMENTS FOR THE SAFETY CLIMB.
30. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
31. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
32. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE VERIZON REP. ANY WORK FOUND BY THE VERIZON REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
33. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
34. VERIZON FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE VERIZON WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
35. VERIZON OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO VERIZON OR THEIR ARCHITECT/ENGINEER.

B. ALL COAXIAL/HYBRID CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL/HYBRID CABLE (NOT WITHIN BENDS)

**SPECIAL CONSTRUCTION**

**ANTENNA INSTALLATION NOTES:**

1. WORK INCLUDED:
  - A. ANTENNA AND COAXIAL/HYBRID CABLES ARE FURNISHED BY VERIZON UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL.
  - B. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND VERIZON SPECIFICATIONS.
  - C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
  - D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE.
  - E. INSTALL COAXIAL/HYBRID CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL/HYBRID CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.
2. ANTENNA AND COAXIAL/HYBRID CABLE GROUNDING:
  - A. ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #221213 OR EQUAL.

ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DESIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING OR ANY CHANGES FROM THE DESIGN CONDUCTED WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.



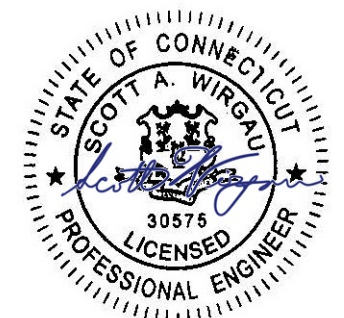
**AMERICAN TOWER®**  
**A.T. ENGINEERING SERVICES LLC**  
 1 FENTON MAIN  
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 CARY, NC 27511  
 PHONE: (919) 468-0112  
 PEC.0001553

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| 0    | FOR CONSTRUCTION | JMB | 01/04/24 |
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|      |                  |     |          |

ATC SITE NUMBER:  
 302482  
 ATC SITE NAME:  
 NORTH HAVEN CT 1  
 VERIZON SITE NAME:  
 NORTH HAVEN 2 CT  
 SITE ADDRESS:  
 15 DWIGHT STREET  
 NORTH HAVEN, CT 06473

SEAL:



Digitally Signed: 2024-01-04



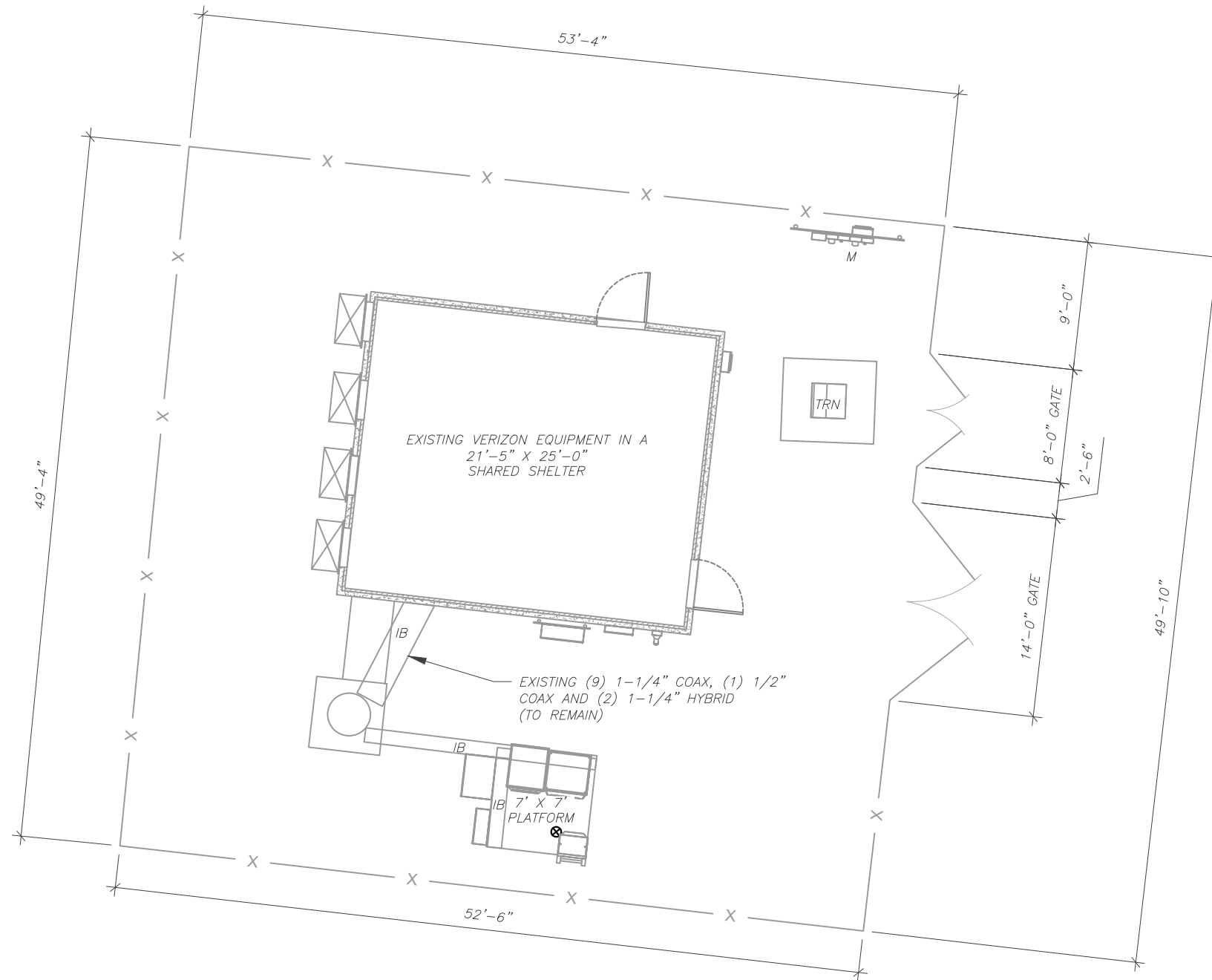
|              |                  |
|--------------|------------------|
| ATC JOB NO:  | 14568540_GO      |
| CUSTOMER ID: | NORTH HAVEN 2 CT |
| CUSTOMER #:  | 468218           |

**GENERAL NOTES**

|                               |                       |
|-------------------------------|-----------------------|
| SHEET NUMBER:<br><b>G-002</b> | REVISION:<br><b>0</b> |
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**SITE PLAN NOTES:**

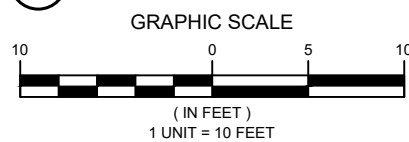
1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
2. ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
3. NO ELECTRICAL SCOPE IS INCLUDED IN THIS PROJECT.



**LEGEND**

- ⊗ GROUNDING TEST WELL
- ATS AUTOMATIC TRANSFER SWITCH
- B BOLLARD
- CSC CELL SITE CABINET
- D DISCONNECT
- E ELECTRICAL
- F FIBER
- GEN GENERATOR
- G GENERATOR RECEPTACLE
- HH, V HAND HOLE, VAULT
- IB ICE BRIDGE
- K KENTROX BOX
- LC LIGHTING CONTROL
- M METER
- PB PULL BOX
- PP POWER POLE
- T TELCO
- TRN TRANSFORMER
- CHAINLINK FENCE

**1 DETAILED SITE PLAN**



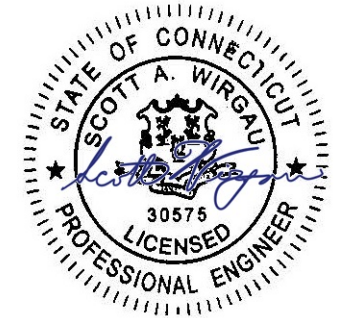
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 PHONE: (919) 468-0112  
 PEC.0001553

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| REV. | DESCRIPTION      | BY  | DATE     |
|------|------------------|-----|----------|
| 0    | FOR CONSTRUCTION | JMB | 01/04/24 |
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ATC SITE NUMBER:  
**302482**  
 ATC SITE NAME:  
**NORTH HAVEN CT 1**  
 VERIZON SITE NAME:  
**NORTH HAVEN 2 CT**  
 SITE ADDRESS:  
 15 DWIGHT STREET  
 NORTH HAVEN, CT 06473

SEAL:



Digitally Signed: 2024-01-04

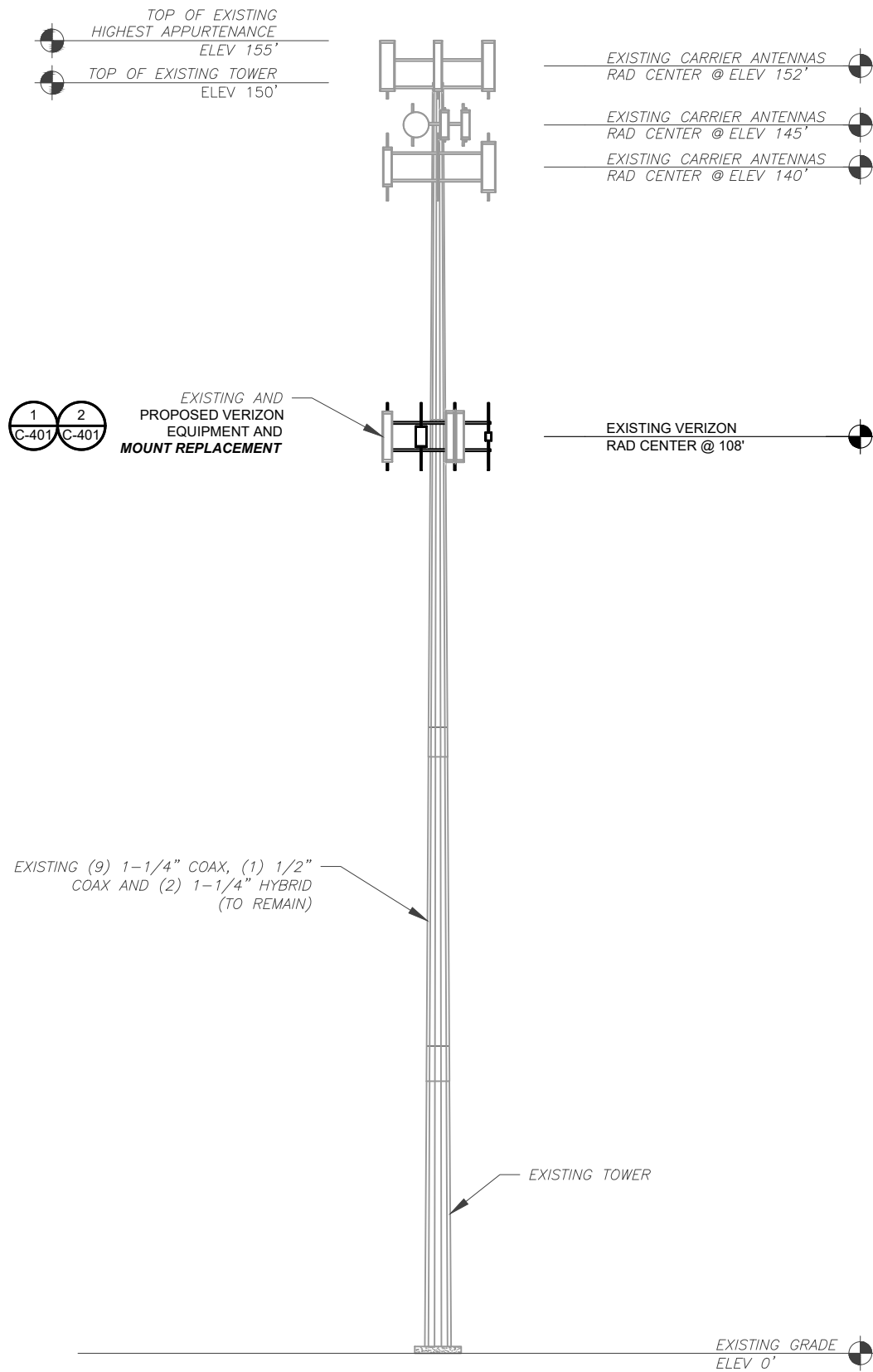


|              |                  |
|--------------|------------------|
| ATC JOB NO:  | 14568540_G0      |
| CUSTOMER ID: | NORTH HAVEN 2 CT |
| CUSTOMER #:  | 468218           |

**DETAILED SITE PLAN**

|               |           |
|---------------|-----------|
| SHEET NUMBER: | REVISION: |
| <b>C-101</b>  | <b>0</b>  |

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**1 TOWER ELEVATION**  
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY ATC, DATED 11/17/2023, THE EXISTING MOUNT CAN NOT ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT REPLACEMENT PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.

**AMERICAN TOWER®**  
A.T. ENGINEERING SERVICES LLC  
1 FENTON MAIN  
SUITE 300  
CARY, NC 27511  
PHONE: (919) 468-0112  
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ATC SITE NUMBER:  
**302482**

ATC SITE NAME:  
**NORTH HAVEN CT 1**

VERIZON SITE NAME:  
**NORTH HAVEN 2 CT**

SITE ADDRESS:  
15 DWIGHT STREET  
NORTH HAVEN, CT 06473



Digitally Signed: 2024-01-04

**ALL ELEVATIONS REFLECT ABOVE GROUND LEVEL (A.G.L.)**

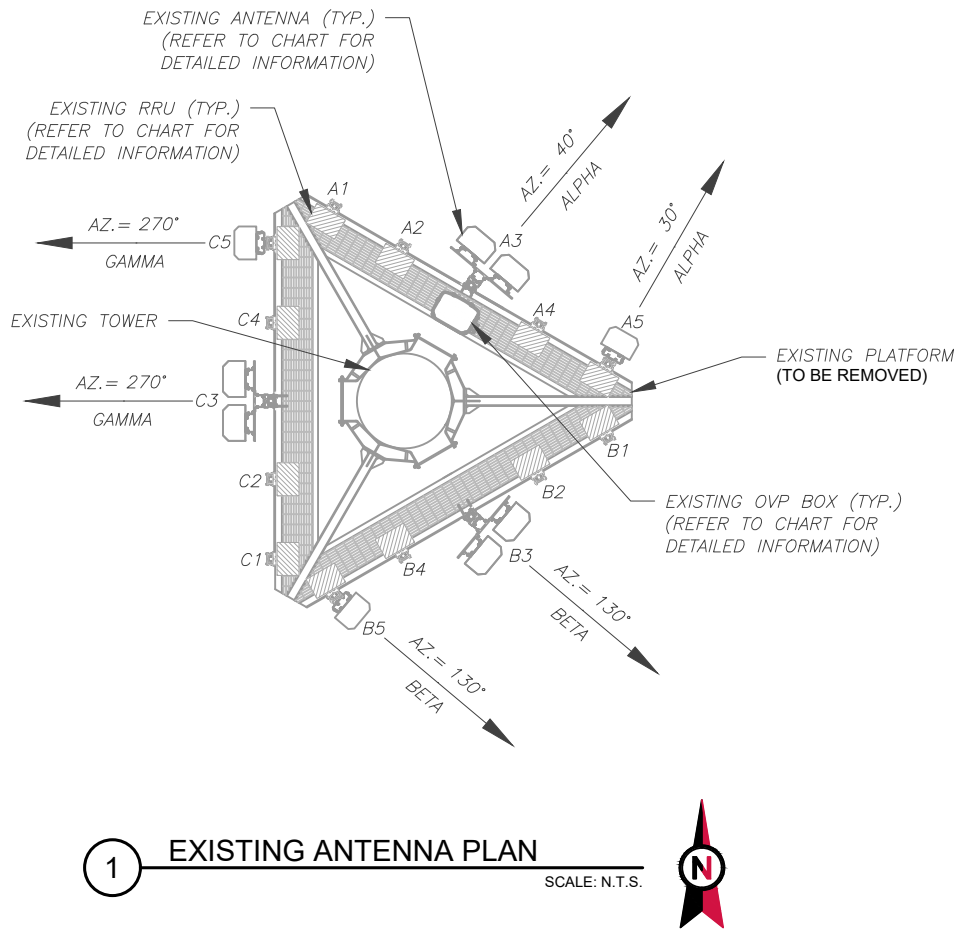
**TOWER NOTE:**

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
- WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
- TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.

ATC JOB NO: 14568540\_GO  
CUSTOMER ID: NORTH HAVEN 2 CT  
CUSTOMER #: 468218

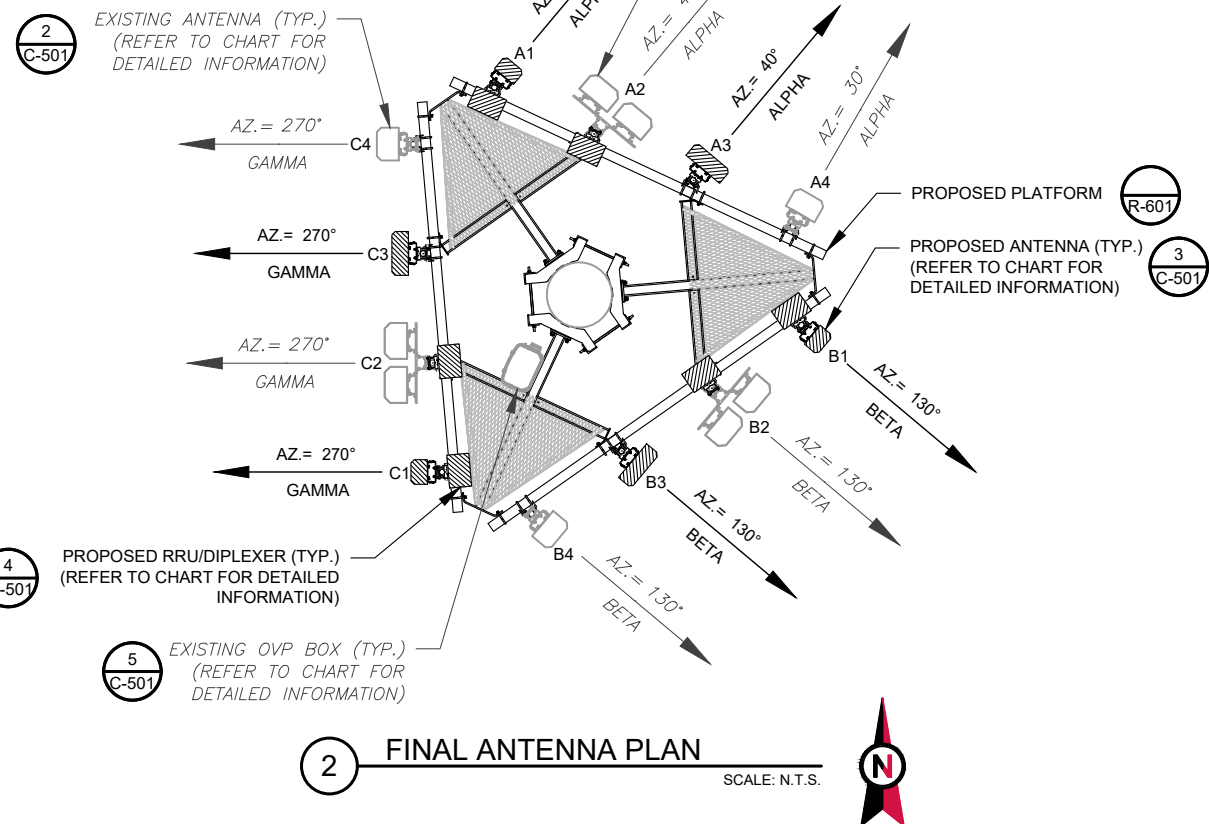
|                               |                       |
|-------------------------------|-----------------------|
| <b>TOWER ELEVATION</b>        |                       |
| SHEET NUMBER:<br><b>C-201</b> | REVISION:<br><b>0</b> |

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1 EXISTING ANTENNA PLAN  
SCALE: N.T.S.

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2 FINAL ANTENNA PLAN  
SCALE: N.T.S.

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|      |                  |     |          |

ATC SITE NUMBER:  
302482  
ATC SITE NAME:  
NORTH HAVEN CT 1  
VERIZON SITE NAME:  
NORTH HAVEN 2 CT  
SITE ADDRESS:  
15 DWIGHT STREET  
NORTH HAVEN, CT 06473

| EXISTING ANTENNA SCHEDULE |      |      |                  |                  |                  |                      |                                    |        |   |  |
|---------------------------|------|------|------------------|------------------|------------------|----------------------|------------------------------------|--------|---|--|
| LOCATION                  |      |      | ANTENNA SUMMARY  |                  |                  |                      | NON ANTENNA SUMMARY                |        |   |  |
| SECTOR                    | RAD  | AZ   | POS              | ANTENNA          | BAND             | STATUS               | ADDITIONAL TOWER MOUNTED EQUIPMENT | STATUS |   |  |
| ALPHA                     | 108' | 40°  | A1               | -                | -                | -                    | UHIE B66A RRH 4X45                 | RMV    |   |  |
|                           |      |      | A2               | -                | -                | -                    | UHBA B13 RRH 4X30                  | RMV    |   |  |
|                           |      | A3   | (2) JAHH-65B-R3B | LTE              | 700/850/1900/AWS | REL                  | -                                  | -      |   |  |
|                           |      | A4   | -                | -                | -                | UHFA B25 RRH 4X30    | RMV                                |        |   |  |
|                           |      | A5   | LNx-6514DS-VTM   | SPARE            | REL              | AHCA AIRSCALE RRH B5 | RMV                                |        |   |  |
| BETA                      | 108' | 130° | B1               | -                | -                | -                    | UHIE B66A RRH 4X45                 | RMV    |   |  |
|                           |      |      | B2               | -                | -                | -                    | UHBA B13 RRH 4X30                  | RMV    |   |  |
|                           |      |      | B3               | (2) JAHH-65B-R3B | LTE              | 700/850/1900/AWS     | REL                                | -      | - |  |
|                           |      |      | B4               | -                | -                | -                    | UHFA B25 RRH 4X30                  | RMV    |   |  |
|                           |      |      | B5               | LNx-6514DS-VTM   | SPARE            | REL                  | AHCA AIRSCALE RRH B5               | RMV    |   |  |
| GAMMA                     | 108' | 270° | C1               | -                | -                | -                    | UHIE B66A RRH 4X45                 | RMV    |   |  |
|                           |      |      | C2               | -                | -                | -                    | UHBA B13 RRH 4X30                  | RMV    |   |  |
|                           |      |      | C3               | (2) JAHH-65B-R3B | LTE              | 700/850/1900/AWS     | REL                                | -      | - |  |
|                           |      |      | C4               | -                | -                | -                    | UHFA B25 RRH 4X30                  | RMV    |   |  |
|                           |      |      | C5               | LNx-6514DS-VTM   | SPARE            | REL                  | AHCA AIRSCALE RRH B5               | RMV    |   |  |

**NOTES**

- CONFIRM WITH VERIZON REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.
- CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.

**STATUS ABBREVIATIONS**

RMV: TO BE REMOVED  
RMN: TO REMAIN  
REL: TO BE RELOCATED  
ADD: TO BE ADDED

**CABLE LENGTHS FOR JUMPERS**

JUNCTION BOX TO RRU: 15'  
RRU TO ANTENNA: 10'

| FINAL ANTENNA SCHEDULE |      |      |                 |                               |        |                  |                                    |             |     |  |
|------------------------|------|------|-----------------|-------------------------------|--------|------------------|------------------------------------|-------------|-----|--|
| LOCATION               |      |      | ANTENNA SUMMARY |                               |        |                  | NON ANTENNA SUMMARY                |             |     |  |
| SECTOR                 | RAD  | AZ   | POS             | ANTENNA                       | BAND   | STATUS           | ADDITIONAL TOWER MOUNTED EQUIPMENT | STATUS      |     |  |
| ALPHA                  | 108' | 40°  | A1              | RT4423-48A W/ CLIP-ON ANTENNA | CBRS   | ADD              | RF4461d-13A                        | ADD         |     |  |
|                        |      |      | A2              | (2) JAHH-65B-R3B              | LTE    | 700/850/1900/AWS | REL                                | RF4439d-25A | ADD |  |
|                        |      | A3   | MT6413-77A      | L-SUB6                        | ADD    | -                | -                                  |             |     |  |
|                        |      | A4   | LNx-6514DS-VTM  | SPARE                         | REL    | -                | -                                  |             |     |  |
| BETA                   | 108' | 130° | B1              | RT4423-48A W/ CLIP-ON ANTENNA | CBRS   | ADD              | RF4461d-13A                        | ADD         |     |  |
|                        |      |      | B2              | (2) JAHH-65B-R3B              | LTE    | 700/850/1900/AWS | REL                                | RF4439d-25A | ADD |  |
|                        |      |      | B3              | MT6413-77A                    | L-SUB6 | ADD              | -                                  | -           |     |  |
|                        |      |      | B4              | LNx-6514DS-VTM                | SPARE  | REL              | -                                  | -           |     |  |
| GAMMA                  | 108' | 270° | C1              | RT4423-48A W/ CLIP-ON ANTENNA | CBRS   | ADD              | RF4461d-13A                        | ADD         |     |  |
|                        |      |      | C2              | (2) JAHH-65B-R3B              | LTE    | 700/850/1900/AWS | REL                                | RF4439d-25A | ADD |  |
|                        |      |      | C3              | MT6413-77A                    | L-SUB6 | ADD              | -                                  | -           |     |  |
|                        |      |      | C4              | LNx-6514DS-VTM                | SPARE  | REL              | -                                  | -           |     |  |

| EXISTING FIBER DISTRIBUTION / OVP BOX |        | EXISTING CABLING SUMMARY                             |        |
|---------------------------------------|--------|--|--------|
| MODEL NUMBER                          | STATUS | CABLE QTY, SIZE, TYPE                                | STATUS |
| OVP-12                                | RMN    | (9) 1-1/4" COAX, (1) 1/2" COAX AND (2) 1-1/4" HYBRID | RMN    |
| -                                     | RMV    | ----   | RMV    |

3 EQUIPMENT SCHEDULES

| FINAL FIBER DISTRIBUTION / OVP BOX |        | FINAL CABLING SUMMARY                                |        |
|------------------------------------|--------|--|--------|
| MODEL NUMBER                       | STATUS | CABLE QTY, SIZE, TYPE                                | STATUS |
| OVP-12                             | RMN    | (9) 1-1/4" COAX, (1) 1/2" COAX AND (2) 1-1/4" HYBRID | RMN    |
| -                                  | ADD    | ----   | ADD    |

SEAL:

Digitally Signed: 2024-01-04



ATC JOB NO: 14568540\_GO  
CUSTOMER ID: NORTH HAVEN 2 CT  
CUSTOMER #: 468218

**ANTENNA INFORMATION & SCHEDULE**

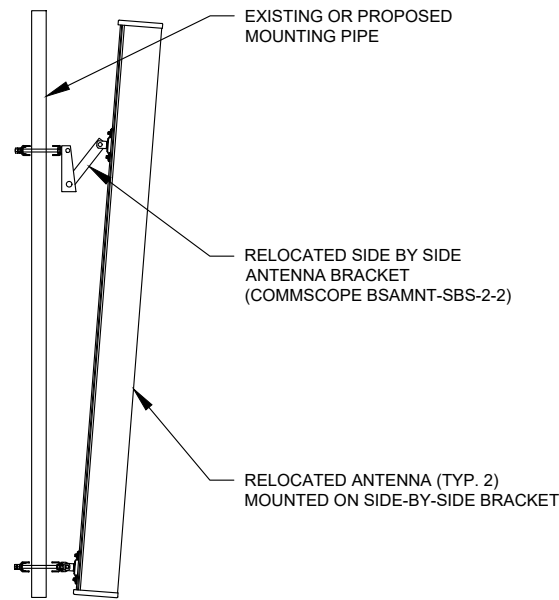
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**C-401**

REVISION:  
**0**

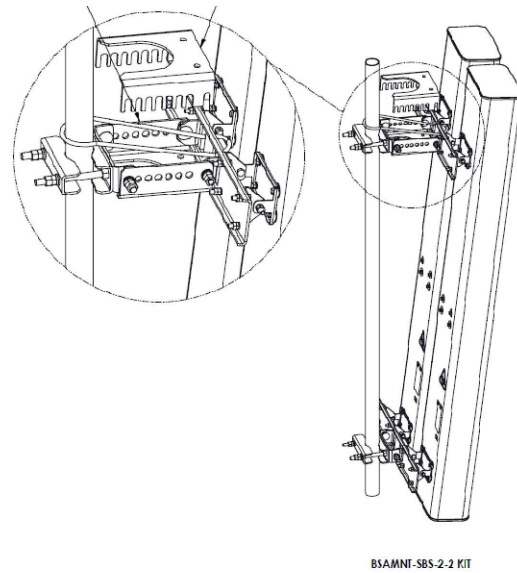
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EXISTING/PROPOSED MOUNTS AND/OR MOUNT MODIFICATIONS NOT SHOWN FOR CLARITY. REFER TO ANTENNA PLANS, MOUNT ANALYSES AND/OR MOUNT MODIFICATION DOCUMENTS FOR ADDITIONAL DETAIL.

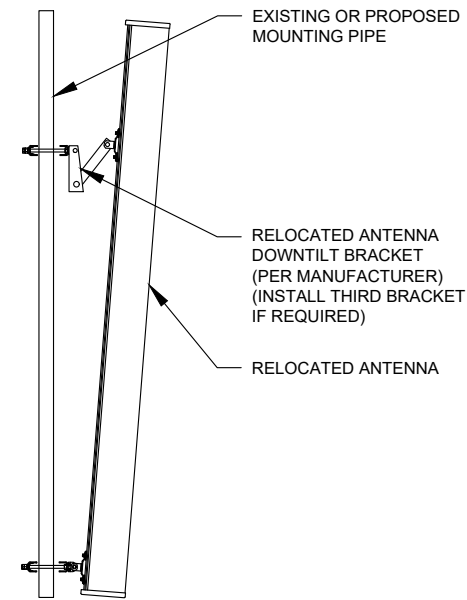


PROFILE VIEW

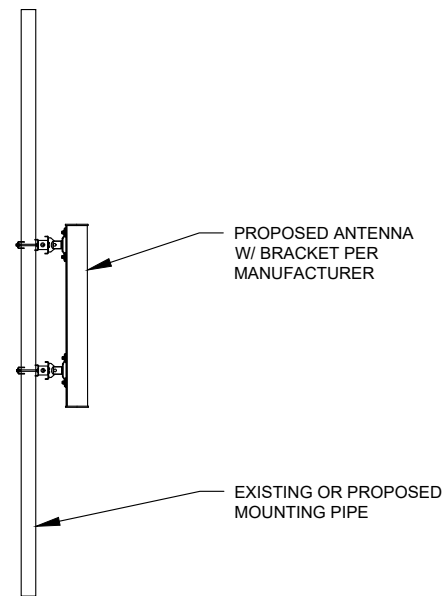


ISOMETRIC VIEW (BY MANUFACTURER)

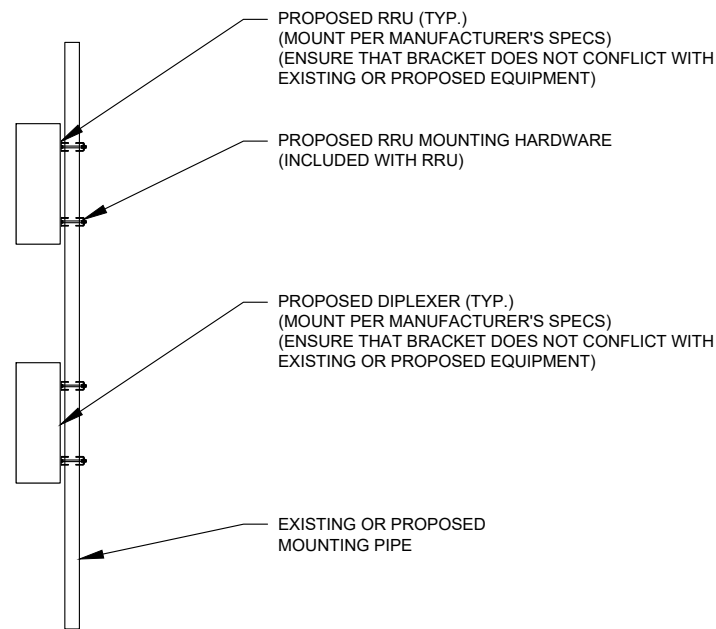
1 PROPOSED ANTENNA MOUNTING DETAIL - TYPICAL  
SCALE: N.T.S.



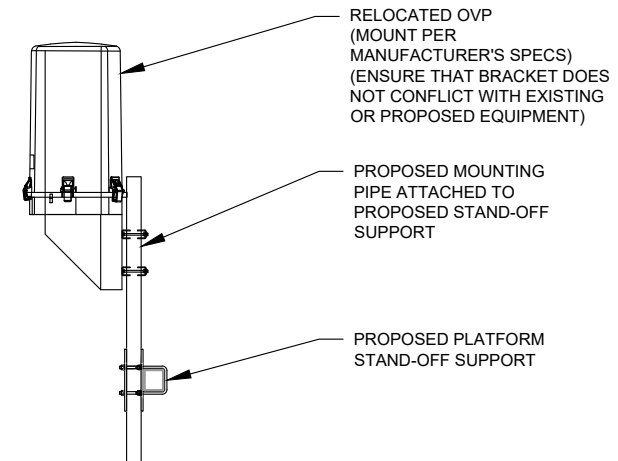
2 PROPOSED ANTENNA MOUNTING DETAIL - TYPICAL  
SCALE: N.T.S.



3 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL  
SCALE: N.T.S.



4 PROPOSED RRU MOUNTING DETAIL - TYPICAL  
SCALE: N.T.S.



5 PROPOSED OVP MOUNTING DETAIL - TYPICAL  
SCALE: N.T.S.



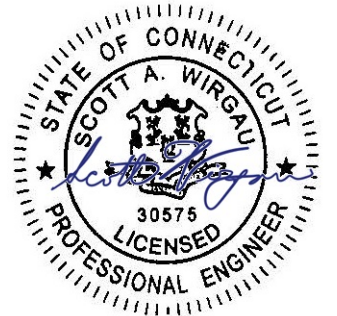
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SUITE 300  
CARY, NC 27511  
PHONE: (919) 468-0112  
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ATC SITE NUMBER:  
302482  
ATC SITE NAME:  
NORTH HAVEN CT 1  
VERIZON SITE NAME:  
NORTH HAVEN 2 CT  
SITE ADDRESS:  
15 DWIGHT STREET  
NORTH HAVEN, CT 06473

SEAL:



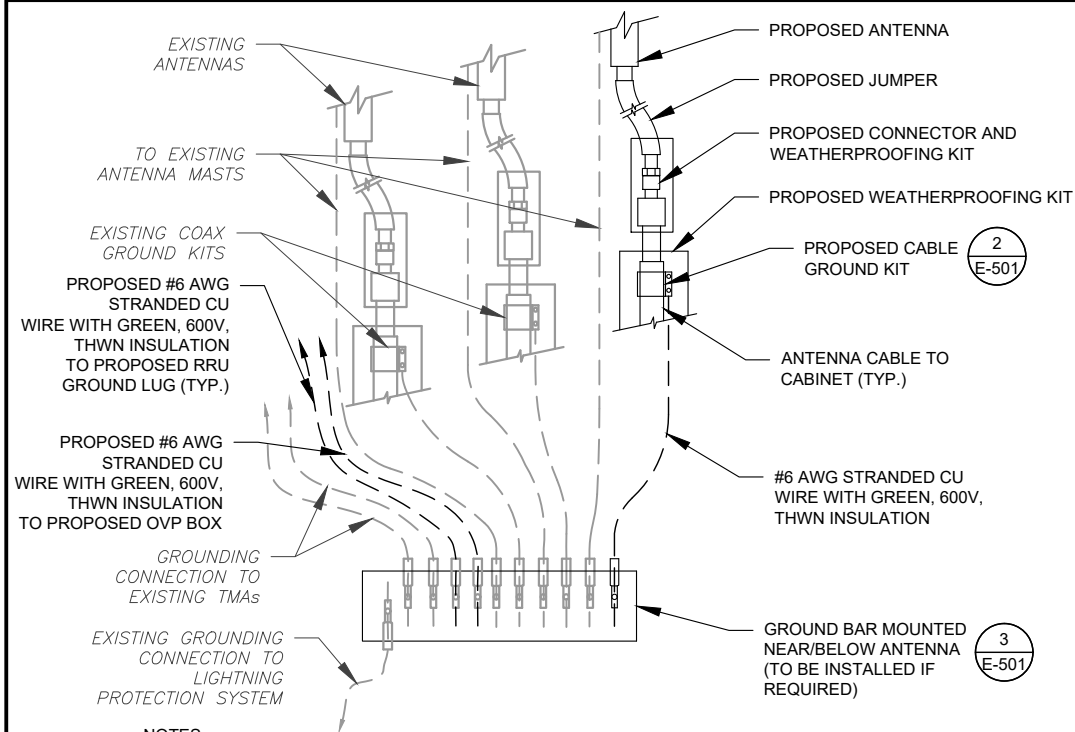
Digitally Signed: 2024-01-04



ATC JOB NO: 14568540\_G0  
CUSTOMER ID: NORTH HAVEN 2 CT  
CUSTOMER #: 468218

CONSTRUCTION  
DETAILS

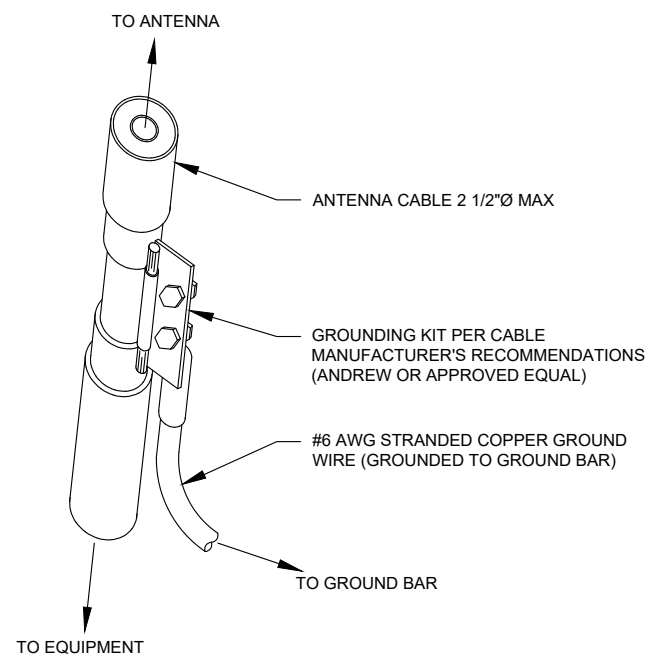
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**C-501**  
REVISION:  
**0**



**NOTES:**

1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
2. SITE GROUNDING SHALL COMPLY WITH VERIZON GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH VERIZON GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.

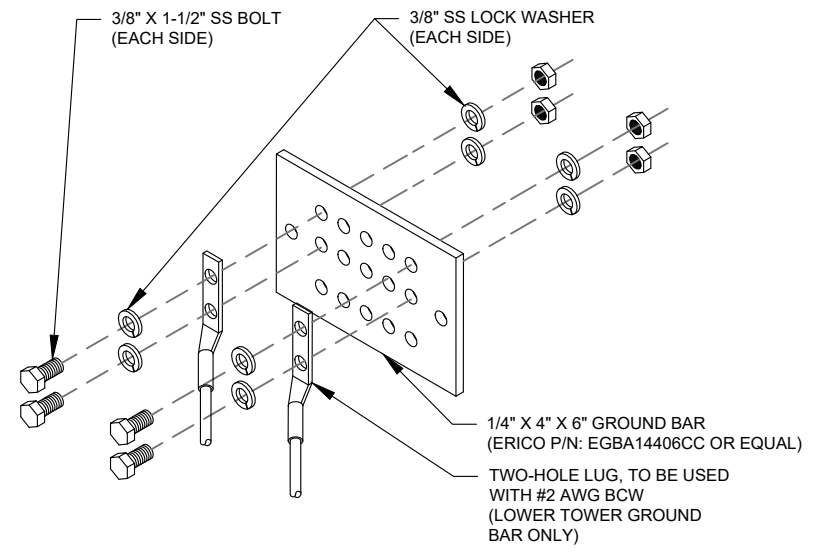
**1 TYPICAL ANTENNA GROUNDING DIAGRAM**  
SCALE: N.T.S.



**GROUND KIT NOTES:**

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. CONTRACTOR SHALL PROVIDE WEATHERPROOFING KIT (ANDREW PART NUMBER 221213) AND INSTALL/TAPE PER MANUFACTURER'S SPECIFICATIONS.

**2 CABLE GROUND KIT CONNECTION DETAIL**  
SCALE: N.T.S.



**GROUND BAR NOTES:**

1. GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
2. GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

**3 TOWER GROUND BAR DETAIL**  
SCALE: N.T.S.

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 NORTH HAVEN, CT 06473

SEAL:

Digitally Signed: 2024-01-04

ATC JOB NO: 14568540\_G0  
 CUSTOMER ID: NORTH HAVEN 2 CT  
 CUSTOMER #: 468218

**GROUNDING DETAILS**

|                               |                       |
|-------------------------------|-----------------------|
| SHEET NUMBER:<br><b>E-501</b> | REVISION:<br><b>0</b> |
|-------------------------------|-----------------------|

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| ITEM | QTY | PART NO. | PART DESCRIPTION                          | LENGTH     | UNIT WT. | NET WT. |
|------|-----|----------|---|------------|----------|---------|
| 1    | 3   | X-URM4   | RING MOUNT WELDMENT                       | 06.81      | 286.42   |         |
| 2    | 9   | CS88-48  | 5/8" X 48" THREADED ROD (HDG.)            | 0.40       | 3.59     |         |
| 3    | 9   | CS88-24  | 5/8" X 24" THREADED ROD (HDG.)            | 0.40       | 3.59     |         |
| 4    | 3   | X-9Y156  | LOW PROFILE PLATFORM CORNER               |            | 212.10   | 636.31  |
| 5    | 12  | A86234   | 5/8" X 3-3/4" HDG. A325 HEX BOLT          | 2.75       | 0.36     | 4.32    |
| 6    | 12  | AS8PW    | 5/8" HDG. A325 FLATWASHER                 |            | 0.03     | 0.41    |
| 7    | 30  | CS8LW    | 5/8" HDG. LOCKWASHER                      |            | 0.03     | 0.78    |
| 8    | 30  | AS8LW    | 5/8" HDG. A325 HEX NUT                    |            | 0.13     | 3.90    |
| 9    | 3   | P3150    | 3-1/2" X 150" SCH 40 GALVANIZED PIPE      | 150.000 in | 94.80    | 284.40  |
| 10   | 36  | X-UR1306 | 1/2" X 3-3/8" X 6" X 2" U-BOLT (HDG.)     |            | 0.26     | 9.25    |
| 11   | 120 | GL3PW    | 1/2" HDG. USS FLATWASHER                  |            | 0.03     | 4.09    |
| 12   | 120 | GL3LW    | 1/2" HDG. LOCKWASHER                      |            | 0.01     | 1.67    |
| 13   | 12  | GL2NUT   | 1/2" HDG. HEAVY 2H HEX NUT                |            | 0.07     | 8.60    |
| 14   | 24  | X-UR1212 | 1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.) | 8.250 in   | 0.61     | 193.33  |
| 15   | 12  | B        | ANTENNA MOUNTING PIPE                     | C          | D        | E       |

| ASSEMBLY NO. "A" | PART NO. "B" | LENGTH, "C" | UNIT WEIGHT, "D" | NET WEIGHT, "E" | TOTAL WEIGHT |
|------------------|--------------|-------------|------------------|-----------------|--------------|
| RMQP-403         | P205         | 65"         | 29.18            | 742.35          | 1551.11      |
| RMQP-472         | P272         | 72"         | 23.07            | 276.84          | 1625.29      |
| RMQP-466         | P266         | 84"         | 24.51            | 322.92          | 1648.07      |
| RMQP-486         | P290         | 96"         | 30.76            | 369.13          | 1718.07      |
| RMQP-476         | P215         | 120"        | 40.79            | 489.06          | 1837.95      |

**TOLERANCE NOTE**  
TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:  
SAWED, SHEARED AND GAS CUT EDGES (± 0.005")  
DRILLED AND GAS CUT HOLES (± 0.005") - NO CONING OF HOLES  
LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES  
BENDS ARE ± 1/2 DEGREE - ALL OTHER MACHINING (± 0.005")  
ALL OTHER ASSEMBLY (± 0.005")

**PROPRIETARY NOTE**  
THE DATA AND TOLERANCES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF THE COMPANY AND SHOULD BE KEPT CONFIDENTIAL. SEE THE POLICY AND AGREEMENT WITH THE COMPANY OF VENDOR INDUSTRIES & TECHNICAL PRODUCTS.

**DESCRIPTION** LOW PROFILE CO-LOCATION PLATFORM FOR 12 ANTENNAS WITH 12" 6" FACE WIDTH FOR 12" - 30" DIAMETER POLES

**DATE** 1/20/2012

**DESIGNED BY** CEK

**CHECKED BY** BMC

**DATE** 7/9/2015

**DESCRIPTION OF REVISIONS**

**REVISION HISTORY**

**REV** 1

**DESCRIPTION OF REVISIONS**

**CHD** BY

**DATE**

**SEE ASSEMBLY NO. "A"**

**PART NO.** RMQP-4XX

**TOLERANCE NOTE**  
TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:  
SAWED, SHEARED AND GAS CUT EDGES (± 0.005")  
DRILLED AND GAS CUT HOLES (± 0.005") - NO CONING OF HOLES  
LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES  
BENDS ARE ± 1/2 DEGREE - ALL OTHER MACHINING (± 0.005")  
ALL OTHER ASSEMBLY (± 0.005")

**PROPRIETARY NOTE**  
THE DATA AND TOLERANCES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF THE COMPANY AND SHOULD BE KEPT CONFIDENTIAL. SEE THE POLICY AND AGREEMENT WITH THE COMPANY OF VENDOR INDUSTRIES & TECHNICAL PRODUCTS.

**DESCRIPTION** LOW PROFILE CO-LOCATION PLATFORM FOR 12 ANTENNAS WITH 12" 6" FACE WIDTH FOR 12" - 30" DIAMETER POLES

**DATE** 1/20/2012

**DESIGNED BY** CEK

**CHECKED BY** BMC

**DATE** 7/9/2015

**DESCRIPTION OF REVISIONS**

**REVISION HISTORY**

**REV** 1

**DESCRIPTION OF REVISIONS**

**CHD** BY

**DATE**

**SEE ASSEMBLY NO. "A"**

**PART NO.** RMQP-4XX

| ITEM | QTY | PART NO. | PART DESCRIPTION                          | LENGTH  | UNIT WT. | NET WT.     |        |
|------|-----|----------|---|---------|----------|-------------|--------|
| 1    | 3   | P2150    | 2-3/8" O.D. X 150" SCH 40 GALVANIZED PIPE | 150 in  | 45.77    | 137.31      |        |
| 2    | 3   | X-AHCP   | ANGLE HANDRAIL CORNER PLATE               |         | 12.92    | 38.76       |        |
| 3    | 12  | SCX1     | CROSSOVER PLATE 2-3/8" X 2-3/8"           | 6 in    | 3.71     | 44.50       |        |
| 4    | 60  | X-UR1212 | 1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.) |         | 0.63     | 37.51       |        |
| 5    | 120 | GL3PW    | 1/2" HDG. USS FLATWASHER                  | 3/32 in | 0.03     | 4.09        |        |
| 6    | 120 | GL3LW    | 1/2" HDG. LOCKWASHER                      | 1/8 in  | 0.01     | 1.67        |        |
| 7    | 120 | GL2NUT   | 1/2" HDG. HEAVY 2H HEX NUT                |         | 0.07     | 8.60        |        |
|      |     |          |   |         |          | TOTAL WT. # | 272.43 |

**TOLERANCE NOTES**  
TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:  
SAWED, SHEARED AND GAS CUT EDGES (± 0.005")  
DRILLED AND GAS CUT HOLES (± 0.005") - NO CONING OF HOLES  
LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES  
BENDS ARE ± 1/2 DEGREE - ALL OTHER MACHINING (± 0.005")  
ALL OTHER ASSEMBLY (± 0.005")

**DESCRIPTION** HANDRAIL KIT FOR 12'-0" FACE

**DATE** 5/30/2012

**DESIGNED BY** KCB

**CHECKED BY** BMC

**DATE** 7/13/2014

**DESCRIPTION OF REVISIONS**

**REVISION HISTORY**

**REV** 1

**DESCRIPTION OF REVISIONS**

**CHD** BY

**DATE**

**HRK12**

**HRK12**

1 MOUNT ANALYSIS

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT. PLEASE REFERENCE THE MOUNT ANALYSIS REPORT FOR COMPLETE MOUNT ANALYSIS CALCULATIONS AND DETAILS. SUPPLEMENTAL PAGES INCLUDED IN THE CONSTRUCTION DRAWINGS ARE FOR REFERENCE ONLY. GENERAL CONTRACTOR IS TO VERIFY THEY HAVE THE MOST RECENT MOUNT ANALYSIS PRIOR TO CONSTRUCTION.

SUPPLEMENTAL

SHEET NUMBER:  
R-602

REVISION:  
0

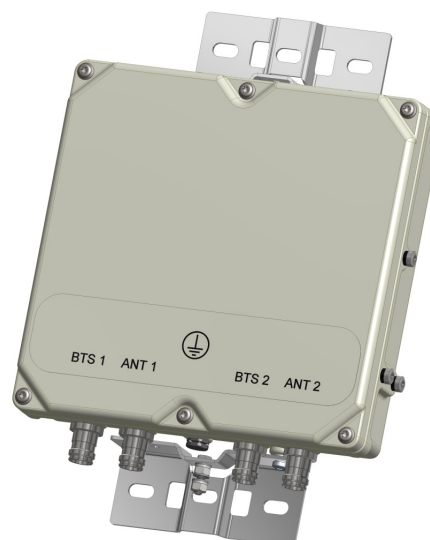
# KA-6030

## TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

The KA-6030 is ideal for co-located 700, 850 and 900 networks. Utilising a 2.6MHz guardband the KA-6030 provides rejection of the 900 UL band while passing 700/850 UL and DL bands. Capable of being used in an outdoor environment the KA-6030 contains two identical bandstop filters, suitable for 2x2 MIMO configuration, offering excellent insertion loss, group delay and rejection.

### FEATURES

- Passes full 700 and 850 bands
- Low insertion loss
- Rejection of 900MHz uplink
- DC/AISG pass
- Twin unit
- Dual twin mounting available



### TECHNICAL SPECIFICATIONS

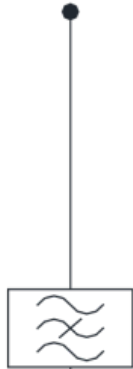
| BAND NAME   | 700 PATH / 850 UPLINK PATH   | 850 DOWNLINK PATH             |
|---|--|-------------------------------|
| Passband  | 698 - 849MHz   | 869 - 891.5MHz                |
| Insertion loss  | 0.1dB typical / 0.3dB maximum  | 0.5dB typical, 1.45dB maximum |
| Return loss   | 24dB typical, 18dB minimum   |                               |
| Maximum input power (Per Port)  | 100W average   | 200W average and 66W per 5MHz |
| Rejection   | 53dB minimum @ 894.1 - 896.5MHz  |                               |
| <b>ELECTRICAL</b>   |  |                               |
| Impedance   | 50Ohms   |                               |
| Intermodulation products  | -160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers<br>-153dBc maximum with 2 x 43dBm                  |                               |
| <b>DC / AISG</b>  |  |                               |
| Passband  | 0 - 13MHz  |                               |
| Insertion loss  | 0.3dB maximum  |                               |
| Return loss   | 15dB minimum   |                               |
| Input voltage range   | ± 33V  |                               |
| DC current rating   | 2A continuous, 4A peak   |                               |
| Compliance  | 3GPP TS 25.461   |                               |
| <b>ENVIRONMENTAL</b>  |  |                               |
| For further details of environmental compliance, please contact Kaelus. |  |                               |
| Temperature range   | -20°C to +60°C   -4°F to +140°F  |                               |
| Ingress protection  | IP67   |                               |
| Altitude  | 2600m   8530ft   |                               |
| Lightning protection  | RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection circuits.               |                               |
| MTBF  | >1,000,000 hours   |                               |
| Compliance  | ETSI EN 300 019 class 4.1H, RoHS, NEBS GR-487-CORE   |                               |
| <b>MECHANICAL</b>   |  |                               |
| Dimensions H x D x W  | 269 x 277 x 80mm   10.60 x 10.90 x 3.15in (Excluding brackets and connectors)  |                               |
| Weight  | 8.0 kg   17.6 lbs (no bracket)   |                               |
| Finish  | Powder coated, light grey (RAL7035)  |                               |
| Connectors  | RF: 4.3-10 (F) x 4   |                               |
| Mounting  | Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter poles or custom bracket. See ordering information. |                               |

## ORDERING INFORMATION

| PART NUMBER  | CONFIGURATION      | OPTIONAL FEATURES | CONNECTORS |
|--------------|--------------------|-------------------|------------|
| KA-6030-2032 | TWIN, 2 in / 2 out | DC/AISG PASS      | 4.3-10 (F) |

ELECTRICAL BLOCK DIAGRAM

ANT1



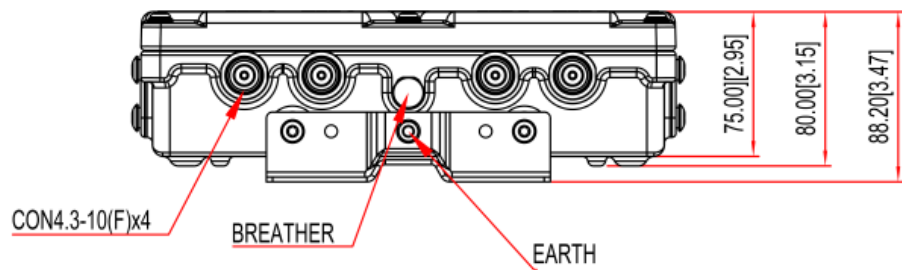
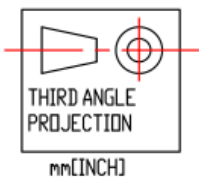
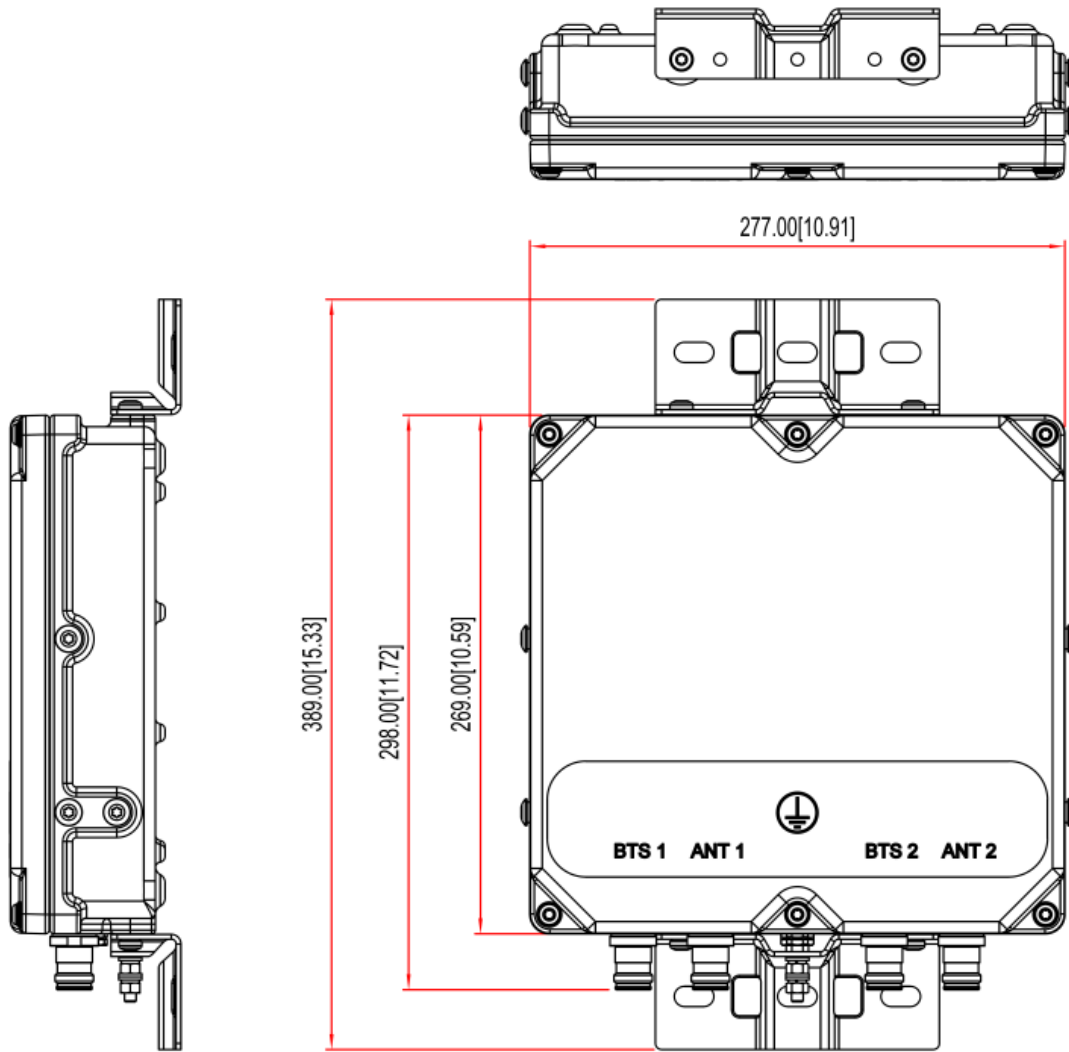
BTS1

ANT2



BTS2

MECHANICAL BLOCK DIAGRAM





# EXHIBIT 2



|   |                  |  |                    |                       |                           |                             |                         |                      |                   |              |              |
|---|------------------|--|--------------------|-----------------------|---------------------------|-----------------------------|-------------------------|----------------------|-------------------|--------------|--------------|
| <b>Location:</b>  | 15 DWIGHT ST     |  |                    | <b>Map Id:</b>        | 100 001                   | <b>Zone:</b>                | IL80                    | <b>Date Printed:</b> | 1/8/2024          |              |              |
|   |                  |  |                    | <b>Neighborhood:</b>  | C200                      |                             |                         | <b>Last Update:</b>  | 1/8/2024          |              |              |
| <b>Owner Of Record</b>  |                  |  |                    | <b>Volume/Page</b>    | <b>Date</b>               | <b>Sales Type</b>           |                         | <b>Valid</b>         | <b>Sale Price</b> |              |              |
| 15 DWIGHT STREET LLC  |                  |  |                    | 0529/0023             | 9/28/1998                 |                             |                         | No                   | 0                 |              |              |
| C/O NEIL F CARRANO, 11 SAGAMORE TERR SO, WESTBROOK, CT 06498-2107 |                  |  |                    |                       |                           | Exempt                      |                         |                      |                   |              |              |
| <b>Prior Owner History</b>  |                  |  |                    |                       |                           |                             |                         |                      |                   |              |              |
| V J C REALTY % CARRANOS   |                  |  |                    | EXPRESS               | 0318/0434                 | 10/2/1981                   |                         |                      | No                | 0            |              |
| V J C REALTY  |                  |  |                    | C/O CARRANO'S EXPRESS | 0310/0253                 | 11/15/1979                  |                         |                      | No                | 0            |              |
|   |                  |  |                    |                       |                           |                             |                         |                      |                   |              |              |
|   |                  |  |                    |                       |                           |                             |                         |                      |                   |              |              |
|   |                  |  |                    |                       |                           |                             |                         |                      |                   |              |              |
| <b>Permit Number</b>  | <b>Date</b>      | <b>Permit Description</b>  |                    |                       |                           |                             |                         |                      |                   |              |              |
| B-23-123  | 3/22/2023        | INSTALLATION OF DYWIDAG ROD FROM 7.5' TO 37.5' AND FROM 83.5' TO 90' ON WALL OF EXISTING TOWER. ANTE |                    |                       |                           |                             |                         |                      |                   |              |              |
| B-22-1121   | 3/6/2023         | REMOVE (6) ANTENNAS. (6) TMAS & (1) ANTENNA MOUNT PLATFORM & INSTALL (1) PERFECT VISION PV-LPPGS-14M |                    |                       |                           |                             |                         |                      |                   |              |              |
| B-22-347  | 8/30/2022        | REMOVE 3 EXISTING ANTENNA AND 12 RRH'S. INSTALL 6 NEW ANTENNA AND 3 DIPLEXERS.                       |                    |                       |                           |                             |                         |                      |                   |              |              |
| B-20-1207   | 12/29/2020       | AT&T EQUIPMENT MODIFICATIONS - SWAPPING ANTENNAS AND REMOTE RADIO UNITS (RRUS). ADDING RRUS AND OTHE |                    |                       |                           |                             |                         |                      |                   |              |              |
| B-19-552  | 7/8/2019         | REPLACE (3) EXISTING ANTENNAS WITH (3) NEW ANTENNAS & ADD AN ADDITIONAL (3) NEW ANTENNAS & ASSOCIATE |                    |                       |                           |                             |                         |                      |                   |              |              |
| B-18-803  | 10/31/2018       | REPLACE THREE (3) EXISTING ANTENNAS WITH THREE (3) NEW ANTENNAS & ADD AN ADDITIONAL THREE (3) NEW AN |                    |                       |                           |                             |                         |                      |                   |              |              |
| <b>Supplemental Data</b>  |                  |  |                    |                       |                           | <b>Appraised Value</b>      |                         |                      |                   |              |              |
| <b>Census/Tract</b>   | 1672             | <b>VisionPID</b>   |                    |                       | 9010                      | <b>Total Land Value</b>     |                         | 1,080,338            |                   |              |              |
| <b>Dev Map ID</b>   |                  | <b>Street Description</b>  |                    |                       |                           | <b>Total Building Value</b> |                         | 5,027,994            |                   |              |              |
| <b>GIS ID</b>   |                  | <b>School District</b>   |                    |                       |                           | <b>Total Outbldg Value</b>  |                         | 614,480              |                   |              |              |
| <b>Route</b>  |                  | <b>Mobile Home Park</b>  |                    |                       |                           | <b>Total Market Value</b>   |                         | 6,722,812            |                   |              |              |
| <b>District</b>   |                  | <b>490 App Date</b>  |                    |                       |                           |                             |                         |                      |                   |              |              |
| <b>Utilities</b>  |                  |  |                    |                       |                           |                             |                         |                      |                   |              |              |
| <b>Acres</b>  |                  |  |                    |                       | <b>State Item Codes</b>   |                             |                         |                      |                   |              |              |
| <b>Land Type</b>  | <b>Acres</b>     | <b>490</b>   | <b>Total Value</b> |                       | <b>Code</b>               | <b>Quantity</b>             | <b>Value</b>            |                      |                   |              |              |
| Ind Excess  | 10.15            | 0.00   | 530,338            |                       | 32-Industrial Building    | 1.00                        | 3,519,600               |                      |                   |              |              |
| Industrial Prime Site   | 1.84             | 0.00   | 550,000            |                       | 31-Industrial Land        | 11.99                       | 756,230                 |                      |                   |              |              |
|   |                  |  |                    |                       | 33-Industrial Improvement | 4.00                        | 430,140                 |                      |                   |              |              |
| <b>Total</b>  | 11.9900          | 0.00   | 1,080,338          |                       |                           |                             |                         |                      |                   |              |              |
| <b>Assessment History (Prior Years as of Oct 1)</b>               |                  |  |                    |                       |                           | <b>490 Appraised Totals</b> |                         |                      |                   |              |              |
|   | <b>2023</b>      | <b>2022</b>  | <b>2021</b>        | <b>2020</b>           | <b>2019</b>               | <b>Type</b>                 | <b>Acres</b>            | <b>Value</b>         | <b>Type</b>       | <b>Acres</b> | <b>Value</b> |
| <b>Land</b>   | 756,230          | 756,230  | 756,230            | 756,230               | 756,230                   |                             |                         |                      |                   |              |              |
| <b>Building</b>   | 3,519,600        | 3,519,600  | 3,519,600          | 3,519,600             | 3,519,600                 |                             |                         |                      |                   |              |              |
| <b>Outbuilding</b>  | 430,140          | 430,140  | 430,140            | 430,140               | 430,140                   |                             |                         |                      |                   |              |              |
| <b>Total</b>  | <b>4,705,970</b> | <b>4,705,970</b>   | <b>4,705,970</b>   | <b>4,705,970</b>      | <b>4,705,970</b>          |                             |                         |                      | <b>Totals</b>     | <b>0.00</b>  | <b>0</b>     |
|   |                  |  |                    |                       |                           | <b>Application Date:</b>    | <b>Expiration Date:</b> |                      |                   |              |              |
| <b>Comments</b>   |                  |  |                    |                       |                           |                             |                         |                      |                   |              |              |
| <b>10/22/2018</b>   | CELL TOWER       |  |                    |                       |                           |                             |                         |                      |                   |              |              |

|                  |              |             |  |
|------------------|--------------|-------------|--|
| <b>Location:</b> | 15 DWIGHT ST | <b>Unit</b> |  |
|------------------|--------------|-------------|--|

| Commercial Building Description |               | Description             | Area/Qty |
|---------------------------------|---------------|-------------------------|----------|
| <b>Building Use</b>             | Industrial    | Base Value              | 171555   |
| <b>Class</b>                    | Steel         | Central Air             | 8578     |
| <b>Overall Condition</b>        | Average       | Mezzanine Office/Retail | 2500     |
| <b>Construction Quality</b>     | C             | Wet Sprinklers          | 171555   |
| <b>Stories</b>                  | 1.00          |                         |          |
| <b>Year Built</b>               | 1981          |                         |          |
| <b>Remodel</b>                  |               |                         |          |
| <b>Percent Complete</b>         | 100           |                         |          |
| <b>GLA</b>                      | <b>171555</b> |                         |          |

| Basement             |   |
|----------------------|---|
| <b>Basement Area</b> | 0 |

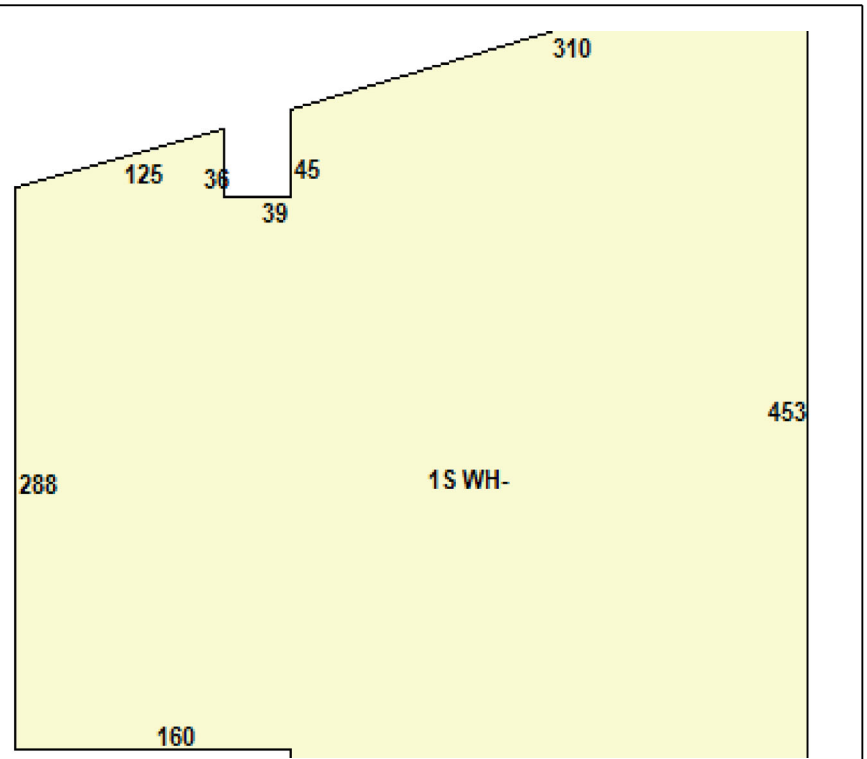
| HVAC                |                |
|---------------------|----------------|
| <b>Heating Type</b> | Forced Hot Air |
| <b>Fuel Type</b>    | Natural Gas    |
| <b>Cooling Type</b> | Central        |

| Interior           |         |
|--------------------|---------|
| <b>Floors</b>      |         |
| <b>Walls</b>       | Drywall |
| <b>Wall Height</b> |         |

| Exterior              |                   |
|-----------------------|-------------------|
| <b>Exterior Walls</b> | Pre-Cast Concrete |
| <b>Roof Type</b>      | Metal             |
| <b>Roof Cover</b>     | Gable             |

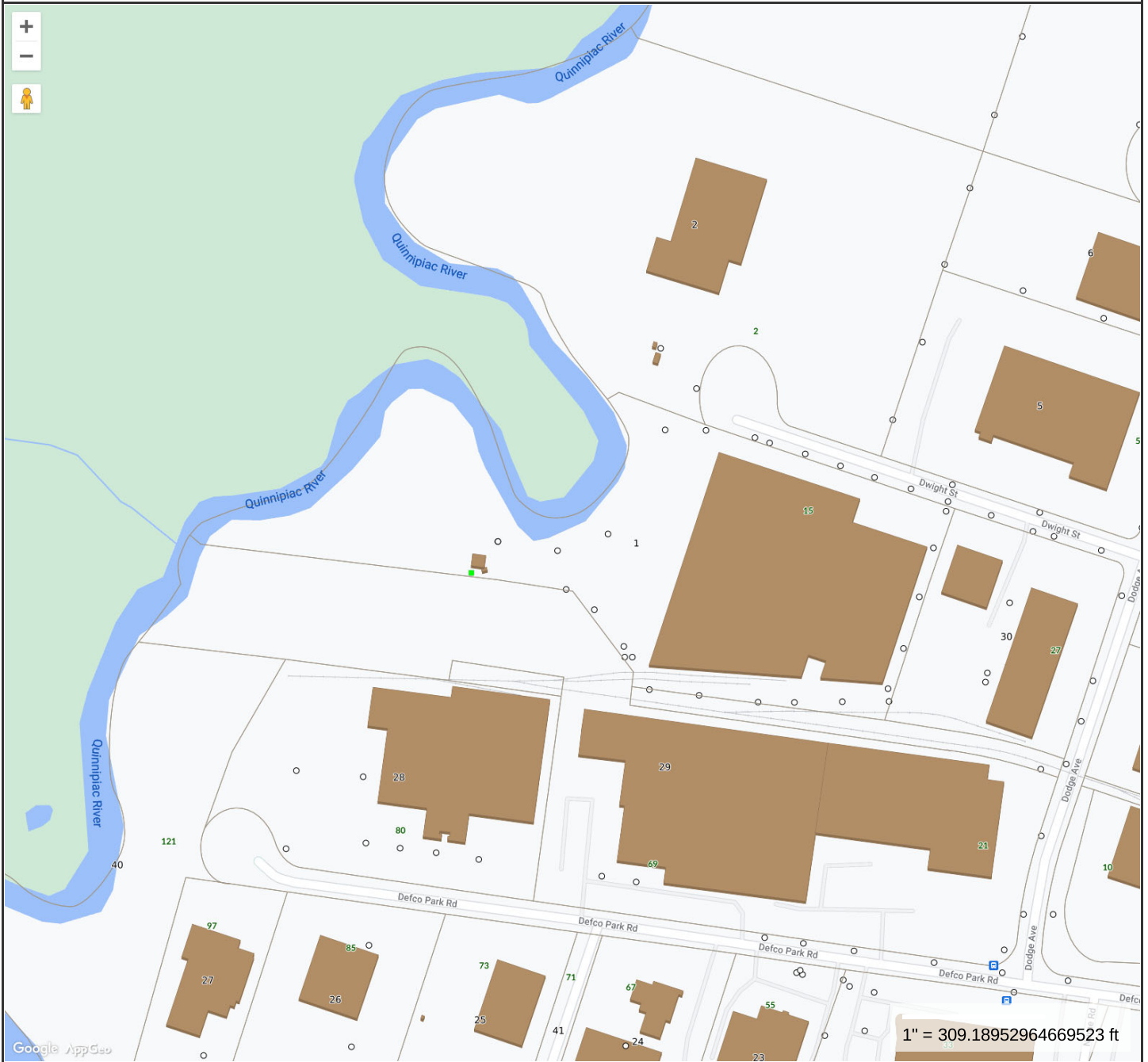
| Special Features        |        |
|-------------------------|--------|
| Dock Leveler            | 1      |
| Mezzanine Office/Retail | 2500   |
| Wet Sprinklers          | 171555 |

| Attached Component Computations |        |          |  |
|---------------------------------|--------|----------|--|
| Type                            | Yr Blt | Area/Qty |  |
|                                 |        |          |  |



| Detached Component Computations |      |           |          |      |      |           |          |
|---------------------------------|------|-----------|----------|------|------|-----------|----------|
| Type                            | Year | Condition | Area/Qty | Type | Year | Condition | Area/Qty |
| 4 Ft Chain Fence                | 1990 | Average   | 16000    |      |      |           |          |
| Building Utility                | 2010 | Average   | 160      |      |      |           |          |
| Cell Tower                      | 2010 | Average   | 1        |      |      |           |          |
| Paving                          | 1981 | Average   | 80000    |      |      |           |          |

# 12 Dwight GIS



**MAP FOR REFERENCE ONLY  
NOT A LEGAL DOCUMENT**

Town of North Haven, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 05/31/2022  
Data updated daily

Print map scale is approximate.  
Critical layout or measurement activities should not be done using this resource.

# EXHIBIT 3





**AMERICAN TOWER®**  
CORPORATION

## Structural Analysis Report

**Structure** : 150 ft Monopole  
**ATC Asset Name** : North Haven CT 1  
**ATC Asset Number** : 302482  
**Engineering Number** : 14568540\_C3\_03  
**Proposed Carrier** : VERIZON WIRELESS  
**Carrier Site Name** : NORTH HAVEN 2 CT  
**Carrier Site Number** : 5000216413  
**Site Location** : 15 Dewight Street  
North Haven, CT 06473-1198  
41.4208° N, 72.8488° W  
**County** : New Haven  
**Date** : December 13, 2023  
**Max Usage** : 96%  
**Analysis Result** : Pass

Created By:

Zachary S. Blackford  
Structural Engineer I



**COA: PEC.0001553**



**Table of Contents**

Introduction .....3

Supporting Documents.....3

Analysis .....3

Conclusion .....3

Structure Usages .....4

Maximum Reactions .....4

Tower Loading .....5

Standard Conditions ..... Attached

Calculations..... Attached

## Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 150 ft Monopole tower to reflect the change in loading by VERIZON WIRELESS.

## Supporting Documents

|                      |  |
|----------------------|--|
| <b>Tower:</b>        | ITT Meyer, Type "B", Spec. AT-8935, dated April 13, 1984   |
| <b>Foundation:</b>   | Southern New England Telephone Job #3C032, dated September 18, 1984  |
| <b>Geotechnical:</b> | S&ME Job #1261-08-0490, dated April 24, 2008   |
| <b>Modification:</b> | Spectrasite Communications File #CT-0018-M1, Rev. 4, dated October 15, 2002<br>ATC Project #41732832, dated June 30, 2008<br>ATC Project #43874133, dated September 1, 2009<br>ATC Project #60261734, dated January 19, 2015<br>ATC Project #13757802_C6_05, dated October 7, 2022 |

## Analysis

The tower was analyzed using American Tower Corporation's tower analysis software. This program considers an elastic three-dimensional model and second-order effects per ANSI/TIA-222.

|                                      |  |
|--------------------------------------|--|
| <b>Basic Wind Speed:</b>             | 120 mph (3-second gust)  |
| <b>Basic Wind Speed w/ Ice:</b>      | 50 mph (3-second gust) w/ 1.00" radial ice concurrent            |
| <b>Code(s):</b>                      | ANSI/TIA-222-H / 2021 IBC / 2022 Connecticut State Building Code |
| <b>Exposure Category:</b>            | B  |
| <b>Risk Category:</b>                | II   |
| <b>Topographic Factor Procedure:</b> | Method 1   |
| <b>Topographic Category:</b>         | 1  |
| <b>Spectral Response:</b>            | $S_s = 0.20$ , $S_i = 0.05$                                      |
| <b>Site Class:</b>                   | D - Stiff Soil - Default   |

*\*Wind load and Ice thickness have been reduced by applicable existing structure load modification factors in accordance with TIA-222-H, ANNEX-S*

## Conclusion

Based on the analysis results, the structure meets the requirements per the applicable codes listed above. The tower and foundation can support the equipment as described in this report.

If you have any questions or require additional information, please reach out to your American Tower contact. If you do not have an American Tower contact and have an Engineering question, please contact [Engineering@americantower.com](mailto:Engineering@americantower.com). Please include the American Tower asset name, asset number, and engineering number in the subject line for any questions.



### Structure Usages

| Structural Component          | Usage | Control               | Result |
|-------------------------------|-------|-----------------------|--------|
| Pole Shaft                    | 95.8% | 1.2D + 1.0W           | Pass   |
| Reinforcement                 | 85.2% | 12.5 ft to 91 ft      | Pass   |
| Upper Termination             | 85.3% | 91 ft to 95.33 ft     | Pass   |
| Intermediate Connector        | 75.2% | 95.33 ft to 116.42 ft | Pass   |
| Lower Termination             | 92.0% | 95.33 ft to 116.42 ft | Pass   |
| Serviceability Usage          | 56.0% | 1.0D + 1.0W           | Pass   |
| Upper Flange Plate @ 110.0 ft | 38.9% | Dywidag               | Pass   |
| Base Plate @ 0.0 ft           | 76.9% | Rods                  | Pass   |
| Mat & Pier                    | 81.7% | Moment [Soil]         | Pass   |

### Maximum Reactions

| Foundation    | Moment (k-ft) | Axial (k) | Shear (k) |
|---------------|---------------|-----------|-----------|
| Monopole Base | 2,931.3       | 50.4      | 28.0      |

*\*Reactions shown reflect the results from the Load Case with maximum Moment*

Structure base reactions were analyzed using available geotechnical and foundation information.

### VERIZON WIRELESS Final Loading

| Elev (ft) | Qty | Equipment                               | Lines                            |
|-----------|-----|---|----------------------------------|
| 111.0     | 1   | RFS DB-T1-6Z-8AB-OZ                     | (2) 1 1/4" Hybriflex Cable       |
| 108.0     | 1   | GPS                                     | (9) 1 1/4" Coax<br>(1) 1/2" Coax |
|           | 1   | Low Profile Platform                    |                                  |
|           | 3   | Commscope CBC78T-DS-43-2X               |                                  |
|           | 3   | Commscope LNX-6514DS-VTM                |                                  |
|           | 3   | Mount Reinforcement                     |                                  |
|           | 3   | Samsung B2/B66A RRH ORAN (RF 4439d-25A) |                                  |
|           | 3   | Samsung MT6413-77A                      |                                  |
|           | 3   | Samsung RF4461d-13A                     |                                  |
|           | 3   | Samsung RT4423-48A/B                    |                                  |
|           | 3   | Samsung XXDWMM-12.5-65-8T-CBRS          |                                  |
|           | 6   | Commscope JAHH-65B-R3B                  |                                  |

Install proposed lines inside the pole shaft.

### Other Existing/Reserved Loading

| Elev (ft) | Qty | Equipment                                    | Lines  | Carrier               |
|-----------|-----|--|--|-----------------------|
| 153.0     | 3   | CCI DMP65R-BU6DA                             | (3) 0.41" (10.3mm) Fiber<br>(4) 0.82" (20.8mm) 8 AWG 6<br>(2) 0.92" (23.4mm) Cable<br>(12) 1 1/4" Coax | AT&T MOBILITY         |
|           | 3   | Ericsson AIR 6419 B77G                       |  |                       |
|           | 3   | Ericsson AIR 6449 B77D/ C-Band               |  |                       |
|           | 3   | Ericsson RRUS 32 B30                         |  |                       |
|           | 3   | Ericsson RRUS 4449 B5, B12                   |  |                       |
|           | 3   | Ericsson RRUS 4478 B14                       |  |                       |
|           | 3   | Ericsson RRUS 8843 B2, B66A                  |  |                       |
|           | 3   | Ericsson RRUS E2 B29                         |  |                       |
|           | 3   | Quintel QD6616-7                             |  |                       |
|           | 3   | Raycap DC6-48-60-18-8F                       |  |                       |
| 150.0     | 1   | Platform with Handrails                      | -  | AT&T MOBILITY         |
| 146.0     | 3   | Stand-Off                                    | -  | CLEARWIRE CORPORATION |
| 145.6     | 3   | DragonWave Horizon Compact                   | -  | CLEARWIRE CORPORATION |
| 145.5     | 1   | DragonWave A-ANT-11G-2-C                     | -  | CLEARWIRE CORPORATION |
| 145.4     | 1   | DragonWave A-ANT-23G-1-C                     | -  | CLEARWIRE CORPORATION |
|           | 3   | Argus LLPX310R                               |  |                       |
| 145.2     | 1   | DragonWave A-ANT-11G-2.5-C                   | -  | CLEARWIRE CORPORATION |
| 144.9     | 2   | 12" x 12" Junction Box                       | -  | CLEARWIRE CORPORATION |
| 143.5     | 3   | RRU (Model TBD)                              | -  | CLEARWIRE CORPORATION |
| 143.3     | 6   | Alcatel-Lucent RRH2x50-08                    | -  | CLEARWIRE CORPORATION |
| 143.1     | 3   | Alcatel-Lucent TD-RRH8x20-25 w/ Solar Shield | -  | CLEARWIRE CORPORATION |
| 142.9     | 3   | Alcatel-Lucent 1900 MHz 4X45 RRH             | -  | CLEARWIRE CORPORATION |
| 142.0     | 1   | Platform with Handrails RMQP-496-HK          | -  | CLEARWIRE             |
| 140.7     | 3   | Commscope NNVV-65B-R4                        | -  | CLEARWIRE CORPORATION |
| 140.3     | 3   | RFS APXVTM14-ALU-I20                         | -  | CLEARWIRE CORPORATION |

*(If table breaks across pages, please see previous page for data in merged cells)*



## **Standard Conditions**

All engineering services performed by A.T. Engineering Services LLC are prepared on the basis that the information used is current and correct. This information may consist of, but is not limited to the following:

- Information supplied by the client regarding antenna, mounts, and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Services LLC

It is the responsibility of the client to ensure that the information provided to A.T. Engineering Services LLC and used in the performance of our engineering services is correct and complete.

All assets of American Tower Corporation, its affiliates, and subsidiaries (collectively "American Tower") are inspected at regular intervals. Based upon these inspections and in the absence of information to the contrary, American Tower assumes that all structures were constructed in accordance with the drawings and specifications.

Unless explicitly agreed by both the client and A.T. Engineering Services LLC, all services will be performed in accordance with the current revision of ANSI/TIA-222.

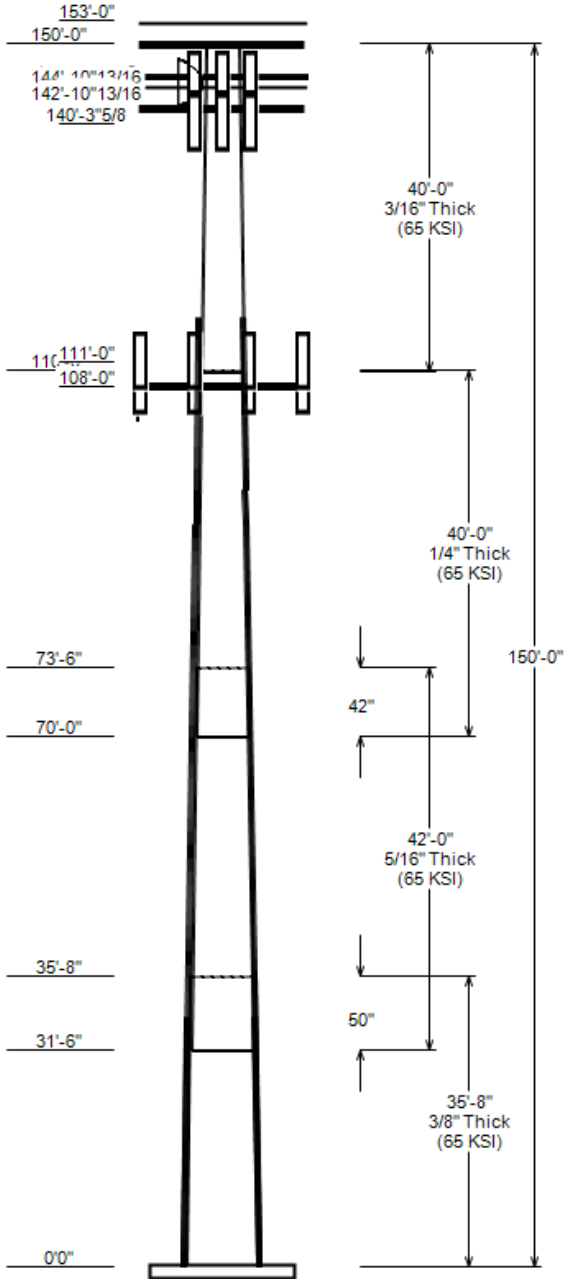
All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. A.T. Engineering Services LLC is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.

**ANALYSIS PARAMETERS**

|                          |                               |   |
|--------------------------|-------------------------------|---|
| Nominal Wind: 117 mph    | Ice Wind: 49 mph w/ 0.85" ice | Service Wind: 60 mph                          |
| Risk Category: II        | Exposure: B                   | S <sub>z</sub> : 0.204 S <sub>s</sub> : 0.054 |
| Topo Category: 1         | Topo Factor: Method 1         | Topo Feature:                                 |
| Structure Height: 150 ft | Base Elevation: 0.00 ft       | Structure Type: Taper                         |
| Base Diameter: 37.38 in  | Base Rotation: 0°             | Taper: 0.1570 (in/ft)                         |

**POLE SECTION PROPERTIES**

| Section | Length (ft) | Flat Diameter (in) |        | Thick (in) | Joint Type | Joint Length (in) | Pole Shape | Yield Strength (ksi) |
|---------|-------------|--------------------|--------|------------|------------|-------------------|------------|----------------------|
|         |             | Top                | Bottom |            |            |                   |            |                      |
| 1       | 35.667      | 31.79              | 37.38  | 0.375      |            | 0.000             | 12 Sides   | 65                   |
| 2       | 42.000      | 26.48              | 33.06  | 0.312      | Slip Joint | 50.000            | 12 Sides   | 65                   |
| 3       | 40.000      | 21.27              | 27.53  | 0.250      | Slip Joint | 42.000            | 12 Sides   | 65                   |
| 4       | 40.000      | 15.00              | 21.27  | 0.188      | Butt Joint | 0.000             | 12 Sides   | 65                   |



**DISCRETE APPURTENANCE**

| Elev (ft) | Description                        |
|-----------|------------------------------------|
| 153.0     | (3) Raycap DC6-48-60-18-8F         |
| 153.0     | (3) Ericsson RRUS 8843 B2, B66A    |
| 153.0     | (3) Ericsson RRUS 4478 B14         |
| 153.0     | (3) Ericsson RRUS 4449 B5, B12     |
| 153.0     | (3) Ericsson RRUS 32 B30           |
| 153.0     | (3) Ericsson RRUS E2 B29           |
| 153.0     | (3) Ericsson AIR 6419 B77G         |
| 153.0     | (3) Ericsson AIR 6449 B77D/ C-Band |
| 153.0     | (3) CCI DMP65R-BU6DA               |
| 153.0     | (3) Quintel QD6616-7               |
| 150.0     | (1) Generic Round Platform with Ha |
| 146.0     | (3) Generic Round Stand-Off        |
| 145.6     | (3) DragonWave Horizon Compact     |
| 145.5     | (1) DragonWave A-ANT-11G-2-C       |
| 145.4     | (1) DragonWave A-ANT-23G-1-C       |
| 145.4     | (3) Argus LLPX310R                 |
| 145.2     | (1) DragonWave A-ANT-11G-2.5-C     |
| 144.9     | (2) Generic 12" x 12" Junction Box |
| 143.5     | (3) Generic RRU (Model TBD)        |
| 143.3     | (6) Alcatel-Lucent RRH2x50-08      |
| 143.1     | (3) Alcatel-Lucent TD-RRH8x20-25 w |
| 142.9     | (3) Alcatel-Lucent 1900 MHz 4X45 R |
| 142.0     | (1) Platform with Handrails RMQP-4 |
| 140.7     | (3) Commscope NNVV-65B-R4          |
| 140.3     | (3) RFS APXVTM14-ALU-I20           |
| 111.0     | (1) RFS DB-T1-6Z-8AB-OZ            |
| 108.0     | (3) Commscope CBC78T-DS-43-2X      |
| 108.0     | (3) Samsung RT4423-48A/B           |
| 108.0     | (1) Generic GPS                    |
| 108.0     | (3) Samsung XXDWMM-12.5-65-8T-CBRS |
| 108.0     | (3) Samsung B2/B66A RRH ORAN (RF 4 |
| 108.0     | (3) Samsung RF4461d-13A            |
| 108.0     | (3) Samsung MT6413-77A             |
| 108.0     | (3) Generic Mount Reinforcement    |
| 108.0     | (3) Commscope LNX-6514DS-VTM       |
| 108.0     | (6) Commscope JAHH-65B-R3B         |
| 108.0     | (1) Generic Round Low Profile Plat |

**LINEAR APPURTENANCE**

| Elev To (ft) | Description                |
|--------------|----------------------------|
| 153.0        | (12) 1 1/4" Coax           |
| 153.0        | (2) 0.92" (23.4mm) Cable   |
| 153.0        | (4) 0.82" (20.8mm) 8 AWG 6 |
| 153.0        | (3) 0.41" (10.3mm) Fiber   |
| 145.0        | (3) 1/2" Coax              |
| 143.0        | (1) 2" conduit             |
| 143.0        | (4) 1 1/4" Hybriflex Cable |
| 121.0        | (1) W8 Brackets for #20    |
| 121.0        | (1) W8 Brackets for #20    |
| 121.0        | (1) W8 Brackets for #20    |
| 121.0        | (1) #20 w/ W Brackets      |
| 121.0        | (1) #20 w/ W Brackets      |
| 121.0        | (1) #20 w/ W Brackets      |
| 111.0        | (2) 1 1/4" Hybriflex Cable |
| 108.0        | (1) 1/2" Coax              |
| 108.0        | (9) 1 1/4" Coax            |
| 101.0        | (1) #20 w/ Angle Brackets  |
| 101.0        | (1) #20 w/ Angle Brackets  |
| 101.0        | (1) #20 w/ Angle Brackets  |
| 101.0        | (1) #20 w/ Angle Brackets  |

**DISH SERVICEABILITY**

| Load Case   | Elevation (ft) | Deflection (in) | Rotation (°) |
|-------------|----------------|-----------------|--------------|
| 1.0D + 1.0W | 145.20         | 28.299          | 1.935        |
| 1.0D + 1.0W | 145.40         | 28.380          | 1.936        |
| 1.0D + 1.0W | 145.50         | 28.420          | 1.936        |

**GLOBAL BASE REACTIONS**

| Load Case            | Moment (kip-ft) | Axial (kip) | Shear (kip) |
|----------------------|-----------------|-------------|-------------|
| 1.2D + 1.0W          | 2931.34         | 50.39       | 27.95       |
| 0.9D + 1.0W          | 2873.57         | 37.78       | 27.93       |
| 1.2D + 1.0Di + 1.0Wi | 667.27          | 64.55       | 5.75        |
| 1.2D + 1.0Ev + 1.0Eh | 169.33          | 50.23       | 1.27        |
| 0.9D + 1.0Ev + 1.0Eh | 164.75          | 34.59       | 1.26        |
| 1.0D + 1.0W          | 682.53          | 42.04       | 6.58        |

ANALYSIS PARAMETERS

|                                     |                     |                       |              |
|-------------------------------------|---------------------|-----------------------|--------------|
| <b>Location:</b>                    | New Haven County,CT | <b>Height:</b>        | 150 ft       |
| <b>Type and Shape:</b>              | Taper, 12 Sides     | <b>Base Diameter:</b> | 37.38 in     |
| <b>Manufacturer:</b>                | ITT Meyer           | <b>Top Diameter:</b>  | 15.00 in     |
| <b>K<sub>d</sub> (non-service):</b> | 0.95                | <b>Taper:</b>         | 0.1570 in/ft |
| <b>K<sub>e</sub>:</b>               | 1.00                | <b>Rotation:</b>      | 0.000°       |

ICE & WIND PARAMETERS

|                               |          |                                  |          |
|-------------------------------|----------|----------------------------------|----------|
| <b>Risk Category:</b>         | II       | <b>Design Wind Speed:</b>        | 117 mph  |
| <b>Exposure Category:</b>     | B        | <b>Design Wind Speed w/ Ice:</b> | 49 mph   |
| <b>Topo Factor Procedure:</b> | Method 1 | <b>Design Ice Thickness:</b>     | 0.85 in  |
| <b>Topographic Category:</b>  | 1        | <b>Service Wind Speed:</b>       | 60 mph   |
| <b>Crest Height:</b>          | 0 ft     | <b>HMSL:</b>                     | 26.00 ft |

SEISMIC PARAMETERS

|                             |                                 |   |       |
|-----------------------------|---------------------------------|---|-------|
| <b>Analysis Method:</b>     | Equivalent Lateral Force Method |   |       |
| <b>Site Class:</b>          | D - Stiff Soil                  | <b>Period Based on Rayleigh Method (sec):</b> | 3.16  |
| <b>T<sub>L</sub> (sec):</b> | 6                               | <b>P:</b>                                     | 1     |
| <b>S<sub>s</sub>:</b>       | 0.204                           | <b>S<sub>1</sub>:</b>                         | 0.054 |
| <b>F<sub>a</sub>:</b>       | 1.600                           | <b>F<sub>v</sub>:</b>                         | 2.400 |
| <b>S<sub>ds</sub>:</b>      | 0.218                           | <b>S<sub>d1</sub>:</b>                        | 0.086 |
|                             |                                 | <b>C<sub>s</sub>:</b>                         | 0.030 |
|                             |                                 | <b>C<sub>s</sub> Max:</b>                     | 0.030 |
|                             |                                 | <b>C<sub>s</sub> Min:</b>                     | 0.030 |

LOAD CASES

|                      |  |
|----------------------|--|
| 1.2D + 1.0W          | 116.96 mph Wind with No Ice              |
| 0.9D + 1.0W          | 116.96 mph Wind with No Ice (Reduced DL) |
| 1.2D + 1.0Di + 1.0Wi | 48.73 mph Wind with 0.85" Radial Ice     |
| 1.2D + 1.0Ev + 1.0Eh | Seismic                                  |
| 0.9D - 1.0Ev + 1.0Eh | Seismic (Reduced DL)                     |
| 1.0D + 1.0W          | 60 mph Wind with No Ice                  |

SHAFT SECTION PROPERTIES

| Section                   | Length (ft) | Thick (in) | Fy (ksi) | Joint Type | Joint Len (in) | Weight (lb)   | Bottom   |           |                         |                       |           |           | Top      |           |                         |                       |           |           |               |
|---------------------------|-------------|------------|----------|------------|----------------|---------------|----------|-----------|-------------------------|-----------------------|-----------|-----------|----------|-----------|-------------------------|-----------------------|-----------|-----------|---------------|
|                           |             |            |          |            |                |               | Dia (in) | Elev (ft) | Area (in <sup>2</sup> ) | Ix (in <sup>4</sup> ) | W/t Ratio | D/t Ratio | Dia (in) | Elev (ft) | Area (in <sup>2</sup> ) | Ix (in <sup>4</sup> ) | W/t Ratio | D/t Ratio | Taper (in/ft) |
| 1-12                      | 35.67       | 0.3750     | 65       |            | 0.00           | 5,013         | 37.38    | 0.003     | 44.68                   | 7,806.9               | 24.03     | 99.67     | 31.79    | 35.67     | 37.93                   | 4,777.1               | 20.03     | 84.77     | 0.1567        |
| 2-12                      | 42.00       | 0.3125     | 65       | Slip       | 50.00          | 4,237         | 33.06    | 31.500    | 32.96                   | 4,512.6               | 25.67     | 105.81    | 26.48    | 73.50     | 26.34                   | 2,302.6               | 20.03     | 84.75     | 0.1567        |
| 3-12                      | 40.00       | 0.2500     | 65       | Slip       | 42.00          | 2,646         | 27.53    | 70.000    | 21.96                   | 2,086.8               | 26.83     | 110.13    | 21.27    | 110.00    | 16.92                   | 953.8                 | 20.11     | 85.07     | 0.1567        |
| 4-12                      | 40.00       | 0.1875     | 65       | Butt       | 0.00           | 1,475         | 21.27    | 110.000   | 12.73                   | 721.8                 | 27.71     | 113.42    | 15.00    | 150.00    | 8.94                    | 250.5                 | 18.76     | 80.00     | 0.1567        |
| <b>Total Shaft Weight</b> |             |            |          |            |                | <b>13,371</b> |          |           |                         |                       |           |           |          |           |                         |                       |           |           |               |

DISCRETE APPURTENANCE PROPERTIES

| Attach Elev (ft) | Description                    | Qty        | Ka   | Vert Ecc (ft) | No Ice           |           |                    | Ice              |           |                    |
|------------------|--------------------------------|------------|------|---------------|------------------|-----------|--------------------|------------------|-----------|--------------------|
|                  |                                |            |      |               | Weight (lb)      | EPAa (sf) | Orientation Factor | Weight (lb)      | EPAa (sf) | Orientation Factor |
| 153.00           | CCI DMP65R-BU6DA               | 3          | 0.75 | -3.000        | 79.40            | 12.709    | 0.63               | 225.48           | 14.291    | 0.63               |
| 153.00           | Quintel QD6616-7               | 3          | 0.75 | -1.000        | 130.00           | 13.578    | 0.64               | 295.88           | 15.187    | 0.64               |
| 153.00           | Ericsson AIR 6419 B77G         | 3          | 0.75 | -3.000        | 66.10            | 3.797     | 0.65               | 121.12           | 4.544     | 0.65               |
| 153.00           | Ericsson RRUS E2 B29           | 3          | 0.75 | -3.000        | 60.00            | 3.145     | 0.50               | 105.87           | 3.802     | 0.50               |
| 153.00           | Ericsson RRUS 32 B30           | 3          | 0.75 | -3.000        | 60.00            | 2.743     | 0.50               | 101.72           | 3.406     | 0.50               |
| 153.00           | Ericsson RRUS 4449 B5, B12     | 3          | 0.75 | -3.000        | 71.00            | 1.969     | 0.50               | 107.55           | 2.498     | 0.50               |
| 153.00           | Ericsson RRUS 4478 B14         | 3          | 0.75 | -3.000        | 59.90            | 1.842     | 0.50               | 91.25            | 2.351     | 0.50               |
| 153.00           | Ericsson RRUS 8843 B2, B66A    | 3          | 0.75 | -3.000        | 72.00            | 1.639     | 0.50               | 106.76           | 2.118     | 0.50               |
| 153.00           | Raycap DC6-48-60-18-8F         | 3          | 0.75 | -3.000        | 20.00            | 1.260     | 0.50               | 49.86            | 1.633     | 0.50               |
| 153.00           | Ericsson AIR 6449 B77D/ C-Band | 3          | 0.75 | -3.000        | 81.60            | 4.028     | 0.70               | 147.65           | 4.806     | 0.70               |
| 150.00           | Generic Round Platform with Ha | 1          | 1.00 | 0.000         | 2500.00          | 27.200    | 1.00               | 3418.49          | 41.062    | 1.00               |
| 146.00           | Generic Round Stand-Off        | 3          | 1.00 | 0.000         | 187.50           | 5.200     | 0.67               | 239.27           | 6.738     | 0.67               |
| 145.60           | DragonWave Horizon Compact     | 3          | 0.75 | 0.000         | 10.60            | 0.721     | 0.50               | 23.33            | 1.043     | 0.50               |
| 145.50           | DragonWave A-ANT-11G-2-C       | 1          | 0.80 | 0.000         | 27.00            | 4.688     | 0.69               | 82.17            | 5.409     | 0.69               |
| 145.40           | Argus LLPX310R                 | 3          | 0.80 | 0.000         | 28.60            | 4.292     | 1.00               | 79.61            | 5.228     | 1.00               |
| 145.40           | DragonWave A-ANT-23G-1-C       | 1          | 0.80 | 0.000         | 15.00            | 1.610     | 0.63               | 35.00            | 2.039     | 0.63               |
| 145.20           | DragonWave A-ANT-11G-2.5-C     | 1          | 0.80 | 0.000         | 47.60            | 8.670     | 0.98               | 147.87           | 9.648     | 0.98               |
| 144.90           | Generic 12" x 12" Junction Box | 2          | 0.80 | 0.000         | 10.00            | 1.200     | 0.50               | 33.56            | 1.610     | 0.50               |
| 143.50           | Generic RRU (Model TBD)        | 3          | 0.80 | 0.000         | 55.00            | 4.563     | 0.50               | 115.60           | 5.348     | 0.50               |
| 143.30           | Alcatel-Lucent RRH2x50-08      | 6          | 0.75 | 0.000         | 52.90            | 1.701     | 0.50               | 86.39            | 2.189     | 0.50               |
| 143.10           | Alcatel-Lucent TD-RRH8x20-25 w | 3          | 0.75 | 0.000         | 70.00            | 4.046     | 0.50               | 123.41           | 4.796     | 0.50               |
| 142.90           | Alcatel-Lucent 1900 MHz 4X45 R | 3          | 0.75 | 0.000         | 60.00            | 2.322     | 0.50               | 105.53           | 2.932     | 0.50               |
| 142.00           | Platform with Handrails RMQP-4 | 1          | 1.00 | 0.000         | 2448.70          | 27.200    | 1.00               | 3344.22          | 40.998    | 1.00               |
| 140.70           | Commscope NNVV-65B-R4          | 3          | 0.75 | 0.000         | 77.40            | 12.271    | 0.64               | 219.15           | 13.853    | 0.64               |
| 140.30           | RFS APXVTM14-ALU-I20           | 3          | 0.75 | 0.000         | 56.20            | 6.342     | 0.66               | 133.86           | 7.570     | 0.66               |
| 111.00           | RFS DB-T1-6Z-8AB-OZ            | 1          | 0.80 | 0.000         | 44.00            | 4.800     | 1.00               | 113.32           | 5.583     | 1.00               |
| 108.00           | Generic GPS                    | 1          | 0.80 | 0.000         | 10.00            | 0.900     | 1.00               | 26.06            | 1.251     | 1.00               |
| 108.00           | Samsung RT4423-48A/B           | 3          | 0.80 | 0.000         | 15.40            | 0.855     | 0.50               | 27.89            | 1.197     | 0.50               |
| 108.00           | Commscope CBC78T-DS-43-2X      | 3          | 0.80 | 0.000         | 20.70            | 0.552     | 0.50               | 32.82            | 0.831     | 0.50               |
| 108.00           | Samsung XDXWMM-12.5-65-8T-CBRS | 3          | 0.80 | 0.000         | 23.10            | 1.539     | 0.50               | 45.86            | 1.996     | 0.50               |
| 108.00           | Samsung B2/B66A RRH ORAN (RF 4 | 3          | 0.80 | 0.000         | 74.70            | 1.875     | 0.50               | 109.77           | 2.369     | 0.50               |
| 108.00           | Samsung RF4461d-13A            | 3          | 0.80 | 0.000         | 79.10            | 1.875     | 0.50               | 114.48           | 2.370     | 0.50               |
| 108.00           | Samsung MT6413-77A             | 3          | 0.80 | 0.000         | 57.30            | 3.805     | 0.61               | 103.89           | 4.534     | 0.61               |
| 108.00           | Generic Mount Reinforcement    | 3          | 1.00 | 0.000         | 200.00           | 7.500     | 1.00               | 306.19           | 11.608    | 1.00               |
| 108.00           | Commscope JAHH-65B-R3B         | 6          | 0.80 | 1.000         | 60.60            | 9.113     | 0.69               | 171.61           | 10.635    | 0.69               |
| 108.00           | Generic Round Low Profile Plat | 1          | 1.00 | 0.000         | 1875.00          | 21.700    | 1.00               | 2319.38          | 32.235    | 1.00               |
| 108.00           | Commscope LNX-6514DS-VTM       | 3          | 0.80 | 1.000         | 38.80            | 8.173     | 0.69               | 135.34           | 9.719     | 0.69               |
| <b>Totals</b>    | <b>Row Count: 37</b>           | <b>100</b> |      |               | <b>12,931.50</b> |           |                    | <b>20,909.05</b> |           |                    |

LINEAR APPURTENANCE PROPERTIES

Load Case Azimuth (deg): 0.00

| Elev From (ft) | Elev To (ft) | Qty | Description          | Diameter (in) | Weight (lb/ft) | Flat | Max/Row | Distance Between Rows (in) | Distance Between Cols (in) | Azimuth (deg) | Distance From Face (in) | Exposed To Wind | Carrier             |
|----------------|--------------|-----|----------------------|---------------|----------------|------|---------|----------------------------|----------------------------|---------------|-------------------------|-----------------|---------------------|
| 0.00           | 153.00       | 12  | 1 1/4" Coax          | 1.55          | 0.63           | N    | 0       | 0                          | 0                          | 0             | 0                       | N               | AT&T MOBILITY       |
| 0.00           | 153.00       | 4   | 0.82" (20.8mm) 8 AWG | 0.82          | 0.62           | N    | 0       | 0                          | 0                          | 0             | 0                       | N               | AT&T MOBILITY       |
| 0.00           | 153.00       | 3   | 0.41" (10.3mm) Fiber | 0.41          | 0.09           | N    | 0       | 0                          | 0                          | 0             | 0                       | N               | AT&T MOBILITY       |
| 0.00           | 153.00       | 2   | 0.92" (23.4mm) Cable | 0.92          | 0.89           | N    | 0       | 0                          | 0                          | 0             | 0                       | N               | AT&T MOBILITY       |
| 0.00           | 145.00       | 3   | 1/2" Coax            | 0.63          | 0.15           | N    | 3       | 1                          | 1                          | 90            | 1                       | Y               | CLEARWIRE CORPORATI |

LINEAR APPURTENANCE PROPERTIES

Load Case Azimuth (deg): 0.00

| Elev From (ft) | Elev To (ft) | Qty | Description           | Diameter (in) | Weight (lb/ft) | Flat | Max/Row | Distance Between Rows(in) | Distance Between Cols(in) | Azimuth (deg) | Distance From Face (in) | Exposed To Wind | Carrier             |
|----------------|--------------|-----|-----------------------|---------------|----------------|------|---------|---------------------------|---------------------------|---------------|-------------------------|-----------------|---------------------|
| 0.00           | 143.00       | 4   | 1 1/4" Hybriflex Cabl | 1.54          | 1              | N    | 2       | 1                         | 1                         | 90            | 1                       | Y               | CLEARWIRE CORPORATI |
| 0.00           | 143.00       | 1   | 2" conduit            | 2.38          | 3.65           | N    | 1       | 1                         | 1                         | 90            | 1                       | Y               | CLEARWIRE CORPORATI |
| 91.00          | 121.00       | 1   | #20 w/ W Brackets     | 2.5           | 0              | N    | 1       | 0                         | 0                         | 120           | 8.28                    | Y               | -                   |
| 91.00          | 121.00       | 1   | W8 Brackets for #20   | 2.48          | 6.3            | Y    | 1       | 0                         | 0                         | 120           | 2.9                     | Y               | -                   |
| 91.00          | 121.00       | 1   | W8 Brackets for #20   | 2.48          | 6.3            | Y    | 1       | 0                         | 0                         | 0             | 2.9                     | Y               | -                   |
| 91.00          | 121.00       | 1   | #20 w/ W Brackets     | 2.5           | 0              | N    | 1       | 0                         | 0                         | 240           | 8.28                    | Y               | -                   |
| 91.00          | 121.00       | 1   | #20 w/ W Brackets     | 2.5           | 0              | N    | 1       | 0                         | 0                         | 0             | 8.28                    | Y               | -                   |
| 91.00          | 121.00       | 1   | W8 Brackets for #20   | 2.48          | 6.3            | Y    | 1       | 0                         | 0                         | 240           | 2.9                     | Y               | -                   |
| 0.00           | 111.00       | 2   | 1 1/4" Hybriflex Cabl | 1.54          | 1              | N    | 0       | 0                         | 0                         | 0             | 0                       | N               | VERIZON WIRELESS    |
| 0.00           | 108.00       | 9   | 1 1/4" Coax           | 1.55          | 0.63           | N    | 0       | 0                         | 0                         | 0             | 0                       | N               | VERIZON WIRELESS    |
| 0.00           | 108.00       | 1   | 1/2" Coax             | 0.63          | 0.15           | N    | 0       | 0                         | 0                         | 0             | 0                       | N               | VERIZON WIRELESS    |
| 0.00           | 101.00       | 1   | #20 w/ Angle Brackets | 4             | 4.68           | N    | 1       | 0                         | 0                         | 180           | 0                       | Y               | -                   |
| 0.00           | 101.00       | 1   | #20 w/ Angle Brackets | 4             | 4.68           | N    | 1       | 0                         | 0                         | 90            | 0                       | Y               | -                   |
| 0.00           | 101.00       | 1   | #20 w/ Angle Brackets | 4             | 4.68           | N    | 1       | 0                         | 0                         | 0             | 0                       | Y               | -                   |
| 0.00           | 101.00       | 1   | #20 w/ Angle Brackets | 4             | 4.68           | N    | 1       | 0                         | 0                         | 270           | 0                       | Y               | -                   |

ADDITIONAL STEEL

Intermediate Connectors

| Elev From (ft) | Elev To (ft) | Qty | Description            | Fy (ksi) | Offset (in) | Bracket Type     | Spacing (in) | Length (in) | Connectors      | Continuation? |
|----------------|--------------|-----|------------------------|----------|-------------|------------------|--------------|-------------|-----------------|---------------|
| 0.00           | 30.48        | 4   | SOL #20 All Thread Bar | 80       | 2.19        | 6" Angle Bracket | 37.00        | 3.31        | 5/8" A36 U-Bolt | N             |
| 0.00           | 12.50        | 4   | SOL #20 All Thread Bar | 80       | 2.19        | 6" Angle Bracket | 37.00        | 3.31        | 5/8" A36 U-Bolt | N             |
| 12.50          | 91.00        | 4   | SOL #20 All Thread Bar | 80       | 2.19        | 6" Angle Bracket | 30.00        | 3.31        | 5/8" Hollo Bolt | Y             |
| 91.00          | 95.33        | 4   | SOL #20 All Thread Bar | 80       | 2.19        | 6" Angle Bracket | 18.00        | 3.31        | 5/8" A36 U-Bolt | Y             |
| 95.33          | 116.42       | 3   | SOL #20 All Thread Bar | 80       | 8.28        | 6" T Bracket     | 30.00        | 3.31        | 5/8" A36 U-Bolt | N             |

SEGMENT PROPERTIES

| Seg Top Elev (ft) | Description             | Thick (in) | Flat Dia (in) | Area (in <sup>2</sup> ) | Ix (in <sup>4</sup> ) | W/t Ratio | D/t Ratio | F'y (ksi) | S (in <sup>3</sup> ) | Z (in <sup>3</sup> ) | Weight (lb) | Additional Reinforcing  |                       |             |
|-------------------|-------------------------|------------|---------------|-------------------------|-----------------------|-----------|-----------|-----------|----------------------|----------------------|-------------|-------------------------|-----------------------|-------------|
|                   |                         |            |               |                         |                       |           |           |           |                      |                      |             | Area (in <sup>2</sup> ) | Ix (in <sup>4</sup> ) | Weight (lb) |
| 0.00              |                         | 0.3750     | 37.375        | 44.678                  | 7,806.90              | 24.03     | 99.67     | 78.5      | 403.5                | 0.0                  | 0.0         | 39.280                  | 9,631.60              | 0.0         |
| 5.00              |                         | 0.3750     | 36.592        | 43.732                  | 7,321.50              | 23.47     | 97.58     | 79.1      | 386.5                | 0.0                  | 752.1       | 39.280                  | 9,294.20              | 668.0       |
| 10.00             |                         | 0.3750     | 35.808        | 42.786                  | 6,856.60              | 22.91     | 95.49     | 79.7      | 369.9                | 0.0                  | 736.0       | 39.280                  | 8,962.80              | 668.0       |
| 12.50             | Reinf. Top Reinf Bottom | 0.3750     | 35.417        | 42.313                  | 6,631.70              | 22.63     | 94.44     | 80        | 361.7                | 0.0                  | 362.0       | 39.280                  | 8,799.40              | 334.0       |
| 15.00             |                         | 0.3750     | 35.025        | 41.840                  | 6,411.80              | 22.35     | 93.40     | 80.3      | 353.7                | 0.0                  | 357.9       | 39.280                  | 8,637.40              | 334.0       |
| 20.00             |                         | 0.3750     | 34.242        | 40.894                  | 5,986.70              | 21.79     | 91.31     | 81        | 337.8                | 0.0                  | 703.8       | 39.280                  | 8,318.10              | 668.0       |
| 25.00             |                         | 0.3750     | 33.458        | 39.948                  | 5,580.90              | 21.23     | 89.22     | 81.6      | 322.2                | 0.0                  | 687.7       | 39.280                  | 8,004.80              | 668.0       |
| 30.00             |                         | 0.3750     | 32.675        | 39.002                  | 5,193.70              | 20.67     | 87.13     | 81.9      | 307.1                | 0.0                  | 671.6       | 39.280                  | 7,697.50              | 668.0       |
| 30.48             | Reinf. Top              | 0.3750     | 32.600        | 38.911                  | 5,157.60              | 20.61     | 86.93     | 81.9      | 305.6                | 0.0                  | 63.6        | 39.280                  | 7,668.30              | 64.1        |
| 31.50             | Bot - Section 2         | 0.3750     | 32.440        | 38.718                  | 5,081.20              | 20.50     | 86.51     | 81.9      | 302.6                | 0.0                  | 134.7       | 19.640                  | 3,803.30              | 68.1        |
| 35.00             |                         | 0.3750     | 31.892        | 38.056                  | 4,825.00              | 20.11     | 85.04     | 81.9      | 292.3                | 0.0                  | 846.4       | 19.640                  | 3,818.10              | 233.8       |
| 35.67             | Top - Section 1         | 0.3125     | 32.412        | 32.300                  | 4,248.10              | 25.11     | 103.72    | 77.3      | 253.2                | 0.0                  | 159.6       | 19.640                  | 3,797.90              | 44.5        |
| 40.00             |                         | 0.3125     | 31.733        | 31.617                  | 3,984.20              | 24.53     | 101.55    | 78        | 242.6                | 0.0                  | 471.2       | 19.640                  | 3,668.10              | 289.5       |
| 45.00             |                         | 0.3125     | 30.950        | 30.829                  | 3,693.60              | 23.86     | 99.04     | 78.7      | 230.5                | 0.0                  | 531.2       | 19.640                  | 3,521.00              | 334.0       |
| 50.00             |                         | 0.3125     | 30.167        | 30.041                  | 3,417.50              | 23.19     | 96.53     | 79.4      | 218.9                | 0.0                  | 517.8       | 19.640                  | 3,377.10              | 334.0       |
| 55.00             |                         | 0.3125     | 29.383        | 29.253                  | 3,155.50              | 22.51     | 94.03     | 80.2      | 207.5                | 0.0                  | 504.4       | 19.640                  | 3,236.10              | 334.0       |
| 60.00             |                         | 0.3125     | 28.600        | 28.464                  | 2,907.20              | 21.84     | 91.52     | 80.9      | 196.4                | 0.0                  | 491.0       | 19.640                  | 3,098.10              | 334.0       |
| 65.00             |                         | 0.3125     | 27.817        | 27.676                  | 2,672.30              | 21.17     | 89.01     | 81.6      | 185.6                | 0.0                  | 477.6       | 19.640                  | 2,963.10              | 334.0       |
| 70.00             | Bot - Section 3         | 0.3125     | 27.033        | 26.888                  | 2,450.40              | 20.50     | 86.51     | 81.9      | 175.1                | 0.0                  | 464.2       | 19.640                  | 2,831.20              | 334.0       |
| 73.50             | Top - Section 2         | 0.2500     | 26.985        | 21.522                  | 1,963.50              | 26.24     | 107.94    | 76.1      | 140.6                | 0.0                  | 575.9       | 19.640                  | 2,823.20              | 233.8       |
| 75.00             |                         | 0.2500     | 26.750        | 21.333                  | 1,912.10              | 25.99     | 107.00    | 76.4      | 138.1                | 0.0                  | 109.4       | 19.640                  | 2,784.20              | 100.2       |
| 80.00             |                         | 0.2500     | 25.967        | 20.702                  | 1,747.50              | 25.15     | 103.87    | 77.3      | 130.0                | 0.0                  | 357.6       | 19.640                  | 2,656.40              | 334.0       |
| 85.00             |                         | 0.2500     | 25.183        | 20.071                  | 1,592.70              | 24.31     | 100.73    | 78.2      | 122.2                | 0.0                  | 346.9       | 19.640                  | 2,531.60              | 334.0       |
| 90.00             |                         | 0.2500     | 24.400        | 19.441                  | 1,447.20              | 23.47     | 97.60     | 79.1      | 114.6                | 0.0                  | 336.1       | 19.640                  | 2,409.70              | 334.0       |
| 91.00             | Reinf. Top Reinf Bottom | 0.2500     | 24.243        | 19.315                  | 1,419.20              | 23.30     | 96.97     | 79.3      | 113.1                | 0.0                  | 65.9        | 19.640                  | 2,385.70              | 66.8        |
| 95.00             |                         | 0.2500     | 23.617        | 18.810                  | 1,310.90              | 22.63     | 94.47     | 80        | 107.2                | 0.0                  | 259.5       | 19.640                  | 2,290.90              | 267.2       |
| 95.33             | Reinf. Top Reinf Bottom | 0.2500     | 23.565        | 18.769                  | 1,302.20              | 22.58     | 94.26     | 80.1      | 106.8                | 0.0                  | 21.1        | 19.640                  | 2,283.20              | 22.0        |
| 100.00            |                         | 0.2500     | 22.833        | 18.180                  | 1,183.40              | 21.79     | 91.33     | 80.9      | 100.1                | 0.0                  | 293.6       | 14.730                  | 3,237.20              | 234.0       |

SEGMENT PROPERTIES

| Seg Top Elev (ft) | Description     | Thick (in) | Flat Dia (in) | Area (in <sup>2</sup> ) | Ix (in <sup>4</sup> ) | W/t Ratio | D/t Ratio | F'y (ksi) | S (in <sup>3</sup> ) | Z (in <sup>3</sup> ) | Weight (lb)     | Additional Reinforcing  |                       |             |
|-------------------|-----------------|------------|---------------|-------------------------|-----------------------|-----------|-----------|-----------|----------------------|----------------------|-----------------|-------------------------|-----------------------|-------------|
|                   |                 |            |               |                         |                       |           |           |           |                      |                      |                 | Area (in <sup>2</sup> ) | Ix (in <sup>4</sup> ) | Weight (lb) |
| 105.00            |                 | 0.2500     | 22.050        | 17.549                  | 1,064.50              | 20.95     | 88.20     | 81.9      | 93.3                 | 0.0                  | 303.9           | 14.730                  | 3,117.50              | 250.5       |
| 108.00            |                 | 0.2500     | 21.580        | 17.171                  | 997.10                | 20.45     | 86.32     | 81.9      | 89.3                 | 0.0                  | 177.2           | 14.730                  | 3,046.80              | 150.3       |
| 110.00            | Top - Section 3 | 0.2500     | 21.267        | 16.918                  | 953.80                | 20.11     | 85.07     | 81.9      | 86.6                 | 0.0                  | 116.0           | 14.730                  | 3,000.10              | 100.2       |
| 110.00            | Bot - Section 4 | 0.1875     | 21.267        | 12.727                  | 721.80                | 27.71     | 113.42    | 74.5      | 65.6                 | 0.0                  |                 | 14.730                  | 3,000.10              |             |
| 111.00            |                 | 0.1875     | 21.110        | 12.632                  | 705.80                | 27.49     | 112.59    | 74.7      | 64.6                 | 0.0                  | 43.1            | 14.730                  | 2,976.80              | 50.1        |
| 115.00            |                 | 0.1875     | 20.483        | 12.254                  | 644.30                | 26.59     | 109.24    | 75.7      | 60.8                 | 0.0                  | 169.4           | 14.730                  | 2,884.90              | 200.4       |
| 116.42            | Reinf. Top      | 0.1875     | 20.261        | 12.119                  | 623.30                | 26.27     | 108.06    | 76.1      | 59.4                 | 0.0                  | 58.9            | 14.730                  | 2,852.60              | 71.1        |
| 120.00            |                 | 0.1875     | 19.700        | 11.781                  | 572.50                | 25.47     | 105.07    | 76.9      | 56.1                 | 0.0                  | 145.6           |                         |                       |             |
| 125.00            |                 | 0.1875     | 18.917        | 11.308                  | 506.30                | 24.35     | 100.89    | 78.2      | 51.7                 | 0.0                  | 196.4           |                         |                       |             |
| 130.00            |                 | 0.1875     | 18.133        | 10.835                  | 445.40                | 23.23     | 96.71     | 79.4      | 47.4                 | 0.0                  | 188.4           |                         |                       |             |
| 135.00            |                 | 0.1875     | 17.350        | 10.362                  | 389.60                | 22.11     | 92.53     | 80.6      | 43.4                 | 0.0                  | 180.3           |                         |                       |             |
| 140.00            |                 | 0.1875     | 16.567        | 9.889                   | 338.60                | 21.00     | 88.36     | 81.8      | 39.5                 | 0.0                  | 172.3           |                         |                       |             |
| 140.30            |                 | 0.1875     | 16.520        | 9.861                   | 335.70                | 20.93     | 88.10     | 81.9      | 39.3                 | 0.0                  | 10.1            |                         |                       |             |
| 140.70            |                 | 0.1875     | 16.457        | 9.823                   | 331.90                | 20.84     | 87.77     | 81.9      | 39.0                 | 0.0                  | 13.4            |                         |                       |             |
| 142.00            |                 | 0.1875     | 16.253        | 9.700                   | 319.60                | 20.55     | 86.68     | 81.9      | 38.0                 | 0.0                  | 43.2            |                         |                       |             |
| 142.90            |                 | 0.1875     | 16.112        | 9.615                   | 311.20                | 20.35     | 85.93     | 81.9      | 37.3                 | 0.0                  | 29.6            |                         |                       |             |
| 143.10            |                 | 0.1875     | 16.081        | 9.596                   | 309.40                | 20.30     | 85.77     | 81.9      | 37.2                 | 0.0                  | 6.5             |                         |                       |             |
| 143.30            |                 | 0.1875     | 16.050        | 9.577                   | 307.60                | 20.26     | 85.60     | 81.9      | 37.0                 | 0.0                  | 6.5             |                         |                       |             |
| 143.50            |                 | 0.1875     | 16.018        | 9.558                   | 305.70                | 20.21     | 85.43     | 81.9      | 36.9                 | 0.0                  | 6.5             |                         |                       |             |
| 144.90            |                 | 0.1875     | 15.799        | 9.425                   | 293.20                | 19.90     | 84.26     | 81.9      | 35.9                 | 0.0                  | 45.2            |                         |                       |             |
| 145.00            |                 | 0.1875     | 15.783        | 9.416                   | 292.30                | 19.88     | 84.18     | 81.9      | 35.8                 | 0.0                  | 3.2             |                         |                       |             |
| 145.20            |                 | 0.1875     | 15.752        | 9.397                   | 290.60                | 19.83     | 84.01     | 81.9      | 35.6                 | 0.0                  | 6.4             |                         |                       |             |
| 145.40            |                 | 0.1875     | 15.721        | 9.378                   | 288.80                | 19.79     | 83.84     | 81.9      | 35.5                 | 0.0                  | 6.4             |                         |                       |             |
| 145.50            |                 | 0.1875     | 15.705        | 9.369                   | 287.90                | 19.76     | 83.76     | 81.9      | 35.4                 | 0.0                  | 3.2             |                         |                       |             |
| 145.60            |                 | 0.1875     | 15.689        | 9.359                   | 287.10                | 19.74     | 83.68     | 81.9      | 35.3                 | 0.0                  | 3.2             |                         |                       |             |
| 146.00            |                 | 0.1875     | 15.627        | 9.321                   | 283.60                | 19.65     | 83.34     | 81.9      | 35.1                 | 0.0                  | 12.7            |                         |                       |             |
| 150.00            |                 | 0.1875     | 15.000        | 8.943                   | 250.50                | 18.76     | 80.00     | 81.9      | 32.3                 | 0.0                  | 124.3           |                         |                       |             |
| <b>Totals:</b>    |                 |            |               |                         |                       |           |           |           |                      |                      | <b>13,370.7</b> | <b>9,460.6</b>          |                       |             |

CALCULATED FORCES

| Load Case: 1.2D + 1.0W |                  |                  |                 |                 |                 |                            |               |               |                  |                  |                    |                | 116.96 mph Wind with No Ice |  | 31 Iterations |  |
|------------------------|------------------|------------------|-----------------|-----------------|-----------------|----------------------------|---------------|---------------|------------------|------------------|--------------------|----------------|-----------------------------|--|---------------|--|
| Gust Response Factor:  |                  | 1.10             |                 |                 |                 |                            |               |               |                  |                  |                    |                |                             |  |               |  |
| 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 (deg) | Ratio                       |  |               |  |
| 0.00                   | -50.39           | -27.95           | 0.00            | -2,931.3        | 0.00            | 2,931.34                   | 3,156.90      | 784.09        | 2,737.03         | 2,376.08         | 0                  | 0              | 0.562                       |  |               |  |
| 5.00                   | -48.30           | -27.55           | 0.00            | -2,791.6        | 0.00            | 2,791.57                   | 3,114.09      | 767.49        | 2,622.41         | 2,293.74         | 0.13               | -0.23          | 0.546                       |  |               |  |
| 10.00                  | -46.25           | -27.20           | 0.00            | -2,653.8        | 0.00            | 2,653.85                   | 3,070.24      | 750.89        | 2,510.23         | 2,212.03         | 0.5                | -0.47          | 0.529                       |  |               |  |
| 12.50                  | -45.23           | -26.99           | 0.00            | -2,585.8        | 0.00            | 2,585.84                   | 3,047.93      | 742.59        | 2,455.06         | 2,171.42         | 0.77               | -0.58          | 0.521                       |  |               |  |
| 15.00                  | -44.18           | -26.71           | 0.00            | -2,518.4        | 0.00            | 2,518.36                   | 3,025.35      | 734.29        | 2,400.51         | 2,131.00         | 1.11               | -0.7           | 0.512                       |  |               |  |
| 20.00                  | -42.15           | -26.28           | 0.00            | -2,384.8        | 0.00            | 2,384.80                   | 2,979.43      | 717.69        | 2,293.24         | 2,050.69         | 1.97               | -0.93          | 0.495                       |  |               |  |
| 25.00                  | -40.15           | -25.85           | 0.00            | -2,253.4        | 0.00            | 2,253.40                   | 2,932.46      | 701.09        | 2,188.42         | 1,971.17         | 3.07               | -1.16          | 0.478                       |  |               |  |
| 30.00                  | -38.22           | -25.53           | 0.00            | -2,124.2        | 0.00            | 2,124.16                   | 2,874.86      | 684.49        | 2,086.05         | 1,886.18         | 4.42               | -1.39          | 0.462                       |  |               |  |
| 30.48                  | -38.03           | -25.48           | 0.00            | -2,111.9        | 0.00            | 2,111.91                   | 2,868.16      | 682.90        | 2,076.35         | 1,877.36         | 4.56               | -1.42          | 0.460                       |  |               |  |
| 30.48                  | -38.03           | -25.48           | 0.00            | -2,111.9        | 0.00            | 2,111.91                   | 2,868.16      | 682.90        | 2,076.35         | 1,877.36         | 4.56               | -1.42          | 0.655                       |  |               |  |
| 31.50                  | -37.67           | -25.33           | 0.00            | -2,085.9        | 0.00            | 2,085.92                   | 2,853.94      | 679.51        | 2,055.82         | 1,858.68         | 4.87               | -1.46          | 0.652                       |  |               |  |
| 35.00                  | -36.13           | -25.11           | 0.00            | -1,997.3        | 0.00            | 1,997.26                   | 2,805.14      | 667.89        | 1,986.14         | 1,795.29         | 6.02               | -1.69          | 0.631                       |  |               |  |
| 35.67                  | -35.78           | -24.96           | 0.00            | -1,980.5        | 0.00            | 1,980.52                   | 2,247.90      | 566.87        | 1,716.67         | 1,468.42         | 6.26               | -1.74          | 0.724                       |  |               |  |
| 40.00                  | -34.51           | -24.57           | 0.00            | -1,872.4        | 0.00            | 1,872.37                   | 2,218.43      | 554.88        | 1,644.85         | 1,418.22         | 7.97               | -2.01          | 0.699                       |  |               |  |
| 45.00                  | -33.08           | -24.13           | 0.00            | -1,749.5        | 0.00            | 1,749.52                   | 2,183.45      | 541.05        | 1,563.88         | 1,360.71         | 10.26              | -2.35          | 0.669                       |  |               |  |
| 50.00                  | -31.66           | -23.66           | 0.00            | -1,628.9        | 0.00            | 1,628.88                   | 2,147.43      | 527.22        | 1,484.96         | 1,303.70         | 12.9               | -2.68          | 0.639                       |  |               |  |
| 55.00                  | -30.28           | -23.16           | 0.00            | -1,510.6        | 0.00            | 1,510.59                   | 2,110.37      | 513.38        | 1,408.08         | 1,247.24         | 15.88              | -3.01          | 0.609                       |  |               |  |
| 60.00                  | -28.92           | -22.65           | 0.00            | -1,394.8        | 0.00            | 1,394.78                   | 2,072.27      | 499.55        | 1,333.25         | 1,191.37         | 19.21              | -3.33          | 0.577                       |  |               |  |
| 65.00                  | -27.58           | -22.13           | 0.00            | -1,281.5        | 0.00            | 1,281.52                   | 2,033.13      | 485.71        | 1,260.46         | 1,136.15         | 22.87              | -3.65          | 0.545                       |  |               |  |
| 70.00                  | -26.28           | -21.63           | 0.00            | -1,170.9        | 0.00            | 1,170.89                   | 1,981.90      | 471.88        | 1,189.71         | 1,075.63         | 26.86              | -3.96          | 0.515                       |  |               |  |
| 73.50                  | -25.09           | -21.28           | 0.00            | -1,095.2        | 0.00            | 1,095.20                   | 1,473.88      | 377.71        | 952.63           | 802.19           | 29.84              | -4.17          | 0.572                       |  |               |  |
| 75.00                  | -24.70           | -21.00           | 0.00            | -1,063.3        | 0.00            | 1,063.28                   | 1,466.20      | 374.39        | 935.96           | 790.93           | 31.17              | -4.26          | 0.559                       |  |               |  |
| 80.00                  | -23.54           | -20.43           | 0.00            | -958.3          | 0.00            | 958.31                     | 1,439.92      | 363.32        | 881.46           | 753.58           | 35.79              | -4.57          | 0.516                       |  |               |  |
| 85.00                  | -22.39           | -19.85           | 0.00            | -856.2          | 0.00            | 856.17                     | 1,412.60      | 352.25        | 828.60           | 716.55           | 40.73              | -4.86          | 0.473                       |  |               |  |



CALCULATED FORCES

|        |        |        |      |        |      |        |          |        |        |        |        |       |       |
|--------|--------|--------|------|--------|------|--------|----------|--------|--------|--------|--------|-------|-------|
| 90.00  | -21.30 | -19.39 | 0.00 | -756.9 | 0.00 | 756.93 | 1,384.24 | 341.19 | 777.37 | 679.88 | 45.97  | -5.14 | 0.429 |
| 91.00  | -21.06 | -19.17 | 0.00 | -737.5 | 0.00 | 737.54 | 1,378.45 | 338.97 | 767.32 | 672.60 | 47.06  | -5.2  | 0.420 |
| 95.00  | -20.11 | -18.81 | 0.00 | -660.9 | 0.00 | 660.86 | 1,354.85 | 330.12 | 727.77 | 643.64 | 51.5   | -5.41 | 0.384 |
| 95.33  | -20.01 | -18.62 | 0.00 | -654.7 | 0.00 | 654.66 | 1,352.87 | 329.39 | 724.56 | 641.26 | 51.87  | -5.42 | 0.297 |
| 95.33  | -20.01 | -18.62 | 0.00 | -654.7 | 0.00 | 654.66 | 1,352.87 | 329.39 | 724.56 | 641.26 | 51.87  | -5.42 | 0.381 |
| 100.00 | -19.01 | -18.02 | 0.00 | -567.7 | 0.00 | 567.72 | 1,324.41 | 319.05 | 679.81 | 607.87 | 57.28  | -5.65 | 0.261 |
| 105.00 | -18.06 | -17.47 | 0.00 | -477.6 | 0.00 | 477.60 | 1,292.93 | 307.98 | 633.49 | 572.61 | 63.28  | -5.82 | 0.223 |
| 108.00 | -13.39 | -12.91 | 0.00 | -423.6 | 0.00 | 423.57 | 1,265.65 | 301.34 | 606.48 | 548.30 | 66.96  | -5.91 | 0.198 |
| 110.00 | -13.04 | -12.70 | 0.00 | -397.8 | 0.00 | 397.75 | 1,247.06 | 296.92 | 588.80 | 532.22 | 69.45  | -5.97 | 0.188 |
| 110.00 | -13.04 | -12.70 | 0.00 | -397.8 | 0.00 | 397.75 | 853.21   | 223.35 | 444.14 | 366.30 | 69.45  | -5.97 | 0.221 |
| 111.00 | -12.85 | -12.32 | 0.00 | -385.0 | 0.00 | 385.05 | 849.64   | 221.69 | 437.56 | 362.04 | 70.7   | -6    | 0.214 |
| 115.00 | -12.25 | -11.93 | 0.00 | -335.8 | 0.00 | 335.77 | 834.97   | 215.05 | 411.75 | 345.03 | 75.77  | -6.11 | 0.187 |
| 116.42 | -12.04 | -11.68 | 0.00 | -318.8 | 0.00 | 318.83 | 829.60   | 212.69 | 402.78 | 339.02 | 77.58  | -6.14 | 0.178 |
| 116.42 | -12.04 | -11.68 | 0.00 | -318.8 | 0.00 | 318.83 | 829.60   | 212.69 | 402.78 | 339.02 | 77.58  | -6.14 | 0.958 |
| 120.00 | -11.67 | -11.28 | 0.00 | -277.0 | 0.00 | 277.01 | 815.69   | 206.75 | 380.59 | 323.94 | 82.22  | -6.23 | 0.872 |
| 125.00 | -11.25 | -10.81 | 0.00 | -220.6 | 0.00 | 220.62 | 795.37   | 198.45 | 350.65 | 303.07 | 89.07  | -6.85 | 0.745 |
| 130.00 | -10.86 | -10.48 | 0.00 | -166.6 | 0.00 | 166.58 | 774.01   | 190.15 | 321.95 | 282.47 | 96.53  | -7.39 | 0.607 |
| 135.00 | -10.51 | -10.15 | 0.00 | -114.2 | 0.00 | 114.17 | 751.61   | 181.85 | 294.46 | 262.20 | 104.5  | -7.84 | 0.453 |
| 140.00 | -10.18 | -9.94  | 0.00 | -63.4  | 0.00 | 63.42  | 728.17   | 173.55 | 268.21 | 242.30 | 112.87 | -8.17 | 0.279 |
| 140.30 | -10.02 | -9.52  | 0.00 | -60.4  | 0.00 | 60.44  | 726.82   | 173.05 | 266.67 | 241.15 | 113.39 | -8.18 | 0.267 |
| 140.70 | -9.82  | -8.72  | 0.00 | -56.6  | 0.00 | 56.63  | 724.03   | 172.39 | 264.63 | 239.30 | 114.07 | -8.2  | 0.253 |
| 142.00 | -6.99  | -7.14  | 0.00 | -45.3  | 0.00 | 45.29  | 714.97   | 170.23 | 258.05 | 233.31 | 116.31 | -8.26 | 0.206 |
| 142.90 | -6.74  | -6.97  | 0.00 | -38.9  | 0.00 | 38.86  | 708.69   | 168.74 | 253.54 | 229.21 | 117.86 | -8.29 | 0.181 |
| 143.10 | -6.50  | -6.74  | 0.00 | -37.5  | 0.00 | 37.47  | 707.30   | 168.40 | 252.54 | 228.30 | 118.21 | -8.3  | 0.175 |
| 143.30 | -6.14  | -6.52  | 0.00 | -36.1  | 0.00 | 36.12  | 705.90   | 168.07 | 251.55 | 227.40 | 118.55 | -8.31 | 0.169 |
| 143.50 | -5.97  | -6.23  | 0.00 | -34.8  | 0.00 | 34.82  | 704.51   | 167.74 | 250.56 | 226.49 | 118.9  | -8.31 | 0.164 |
| 144.90 | -5.88  | -6.14  | 0.00 | -26.1  | 0.00 | 26.10  | 694.75   | 165.42 | 243.66 | 220.22 | 121.34 | -8.35 | 0.128 |
| 145.00 | -5.87  | -6.13  | 0.00 | -25.5  | 0.00 | 25.48  | 694.05   | 165.25 | 243.18 | 219.78 | 121.51 | -8.36 | 0.126 |
| 145.20 | -5.85  | -5.84  | 0.00 | -24.2  | 0.00 | 24.25  | 692.66   | 164.92 | 242.20 | 218.89 | 121.86 | -8.36 | 0.121 |
| 145.40 | -5.78  | -5.38  | 0.00 | -23.1  | 0.00 | 23.09  | 691.26   | 164.59 | 241.23 | 218.01 | 122.21 | -8.36 | 0.115 |
| 145.50 | -5.76  | -5.26  | 0.00 | -22.6  | 0.00 | 22.55  | 690.57   | 164.42 | 240.74 | 217.57 | 122.38 | -8.37 | 0.113 |
| 145.60 | -5.73  | -5.21  | 0.00 | -22.0  | 0.00 | 22.02  | 689.87   | 164.25 | 240.25 | 217.12 | 122.56 | -8.37 | 0.111 |
| 146.00 | -5.11  | -4.59  | 0.00 | -19.9  | 0.00 | 19.94  | 687.08   | 163.59 | 238.32 | 215.36 | 123.26 | -8.38 | 0.101 |
| 150.00 | 0.00   | -3.79  | 0.00 | -1.6   | 0.00 | 1.59   | 659.19   | 156.95 | 219.37 | 198.13 | 130.27 | -8.42 | 0.009 |

CALCULATED FORCES

Load Case: 0.9D + 1.0W

116.96 mph Wind with No Ice (Reduced DL)

31 Iterations

Gust Response Factor: 1.10  
 Dead load Factor: 0.90  
 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 (deg) | Ratio |
|---------------|------------------|------------------|-----------------|-----------------|-----------------|----------------------------|---------------|---------------|------------------|------------------|--------------------|----------------|-------|
| 0.00          | -37.78           | -27.93           | 0.00            | -2,873.6        | 0.00            | 2,873.57                   | 3,156.90      | 784.09        | 2,737.03         | 2,376.08         | 0                  | 0              | 0.549 |
| 5.00          | -36.19           | -27.47           | 0.00            | -2,734.0        | 0.00            | 2,733.95                   | 3,114.09      | 767.49        | 2,622.41         | 2,293.74         | 0.12               | -0.23          | 0.533 |
| 10.00         | -34.63           | -27.09           | 0.00            | -2,596.6        | 0.00            | 2,596.61                   | 3,070.24      | 750.89        | 2,510.23         | 2,212.03         | 0.49               | -0.46          | 0.516 |
| 12.50         | -33.85           | -26.86           | 0.00            | -2,528.9        | 0.00            | 2,528.90                   | 3,047.93      | 742.59        | 2,455.06         | 2,171.42         | 0.76               | -0.57          | 0.508 |
| 15.00         | -33.05           | -26.54           | 0.00            | -2,461.8        | 0.00            | 2,461.76                   | 3,025.35      | 734.29        | 2,400.51         | 2,131.00         | 1.09               | -0.69          | 0.499 |
| 20.00         | -31.51           | -26.07           | 0.00            | -2,329.0        | 0.00            | 2,329.04                   | 2,979.43      | 717.69        | 2,293.24         | 2,050.69         | 1.93               | -0.91          | 0.482 |
| 25.00         | -29.99           | -25.61           | 0.00            | -2,198.7        | 0.00            | 2,198.68                   | 2,932.46      | 701.09        | 2,188.42         | 1,971.17         | 3.01               | -1.14          | 0.465 |
| 30.00         | -28.53           | -25.28           | 0.00            | -2,070.7        | 0.00            | 2,070.66                   | 2,874.86      | 684.49        | 2,086.05         | 1,886.18         | 4.32               | -1.36          | 0.449 |
| 30.48         | -28.38           | -25.22           | 0.00            | -2,058.5        | 0.00            | 2,058.52                   | 2,868.16      | 682.90        | 2,076.35         | 1,877.36         | 4.46               | -1.38          | 0.447 |
| 30.48         | -28.38           | -25.22           | 0.00            | -2,058.5        | 0.00            | 2,058.52                   | 2,868.16      | 682.90        | 2,076.35         | 1,877.36         | 4.46               | -1.38          | 0.637 |
| 31.50         | -28.10           | -25.05           | 0.00            | -2,032.8        | 0.00            | 2,032.80                   | 2,853.94      | 679.51        | 2,055.82         | 1,858.68         | 4.76               | -1.43          | 0.633 |
| 35.00         | -26.93           | -24.81           | 0.00            | -1,945.1        | 0.00            | 1,945.12                   | 2,805.14      | 667.89        | 1,986.14         | 1,795.29         | 5.89               | -1.65          | 0.613 |
| 35.67         | -26.66           | -24.64           | 0.00            | -1,928.6        | 0.00            | 1,928.58                   | 2,247.90      | 566.87        | 1,716.67         | 1,468.42         | 6.13               | -1.7           | 0.703 |
| 40.00         | -25.68           | -24.21           | 0.00            | -1,821.8        | 0.00            | 1,821.82                   | 2,218.43      | 554.88        | 1,644.85         | 1,418.22         | 7.79               | -1.97          | 0.678 |
| 45.00         | -24.58           | -23.73           | 0.00            | -1,700.8        | 0.00            | 1,700.77                   | 2,183.45      | 541.05        | 1,563.88         | 1,360.71         | 10.03              | -2.29          | 0.649 |
| 50.00         | -23.50           | -23.22           | 0.00            | -1,582.1        | 0.00            | 1,582.14                   | 2,147.43      | 527.22        | 1,484.96         | 1,303.70         | 12.6               | -2.62          | 0.619 |
| 55.00         | -22.44           | -22.69           | 0.00            | -1,466.0        | 0.00            | 1,466.03                   | 2,110.37      | 513.38        | 1,408.08         | 1,247.24         | 15.51              | -2.94          | 0.589 |
| 60.00         | -21.40           | -22.16           | 0.00            | -1,352.6        | 0.00            | 1,352.57                   | 2,072.27      | 499.55        | 1,333.25         | 1,191.37         | 18.75              | -3.25          | 0.558 |
| 65.00         | -20.39           | -21.61           | 0.00            | -1,241.8        | 0.00            | 1,241.78                   | 2,033.13      | 485.71        | 1,260.46         | 1,136.15         | 22.32              | -3.56          | 0.526 |
| 70.00         | -19.40           | -21.10           | 0.00            | -1,133.7        | 0.00            | 1,133.73                   | 1,981.90      | 471.88        | 1,189.71         | 1,075.63         | 26.2               | -3.86          | 0.497 |
| 73.50         | -18.50           | -20.75           | 0.00            | -1,059.9        | 0.00            | 1,059.89                   | 1,473.88      | 377.71        | 952.63           | 802.19           | 29.11              | -4.06          | 0.552 |
| 75.00         | -18.20           | -20.45           | 0.00            | -1,028.8        | 0.00            | 1,028.77                   | 1,466.20      | 374.39        | 935.96           | 790.93           | 30.4               | -4.15          | 0.539 |
| 80.00         | -17.32           | -19.87           | 0.00            | -926.5          | 0.00            | 926.51                     | 1,439.92      | 363.32        | 881.46           | 753.58           | 34.9               | -4.45          | 0.497 |
| 85.00         | -16.45           | -19.28           | 0.00            | -827.2          | 0.00            | 827.15                     | 1,412.60      | 352.25        | 828.60           | 716.55           | 39.71              | -4.73          | 0.455 |
| 90.00         | -15.63           | -18.83           | 0.00            | -730.7          | 0.00            | 730.74                     | 1,384.24      | 341.19        | 777.37           | 679.88           | 44.8               | -5             | 0.412 |
| 91.00         | -15.45           | -18.60           | 0.00            | -711.9          | 0.00            | 711.91                     | 1,378.45      | 338.97        | 767.32           | 672.60           | 45.85              | -5.05          | 0.403 |
| 95.00         | -14.73           | -18.25           | 0.00            | -637.5          | 0.00            | 637.49                     | 1,354.85      | 330.12        | 727.77           | 643.64           | 50.17              | -5.25          | 0.369 |
| 95.33         | -14.66           | -18.05           | 0.00            | -631.5          | 0.00            | 631.47                     | 1,352.87      | 329.39        | 724.56           | 641.26           | 50.53              | -5.27          | 0.285 |
| 95.33         | -14.66           | -18.05           | 0.00            | -631.5          | 0.00            | 631.47                     | 1,352.87      | 329.39        | 724.56           | 641.26           | 50.53              | -5.27          | 0.366 |
| 100.00        | -13.91           | -17.47           | 0.00            | -547.2          | 0.00            | 547.16                     | 1,324.41      | 319.05        | 679.81           | 607.87           | 55.79              | -5.49          | 0.250 |
| 105.00        | -13.19           | -16.93           | 0.00            | -459.8          | 0.00            | 459.83                     | 1,292.93      | 307.98        | 633.49           | 572.61           | 61.62              | -5.65          | 0.213 |
| 108.00        | -9.78            | -12.50           | 0.00            | -407.4          | 0.00            | 407.44                     | 1,265.65      | 301.34        | 606.48           | 548.30           | 65.19              | -5.74          | 0.189 |
| 110.00        | -9.53            | -12.30           | 0.00            | -382.4          | 0.00            | 382.43                     | 1,247.06      | 296.92        | 588.80           | 532.22           | 67.61              | -5.79          | 0.179 |
| 110.00        | -9.53            | -12.30           | 0.00            | -382.4          | 0.00            | 382.43                     | 853.21        | 223.35        | 444.14           | 366.30           | 67.61              | -5.79          | 0.211 |
| 111.00        | -9.39            | -11.92           | 0.00            | -370.1          | 0.00            | 370.14                     | 849.64        | 221.69        | 437.56           | 362.04           | 68.82              | -5.82          | 0.204 |
| 115.00        | -8.94            | -11.54           | 0.00            | -322.5          | 0.00            | 322.46                     | 834.97        | 215.05        | 411.75           | 345.03           | 73.74              | -5.93          | 0.178 |
| 116.42        | -8.79            | -11.30           | 0.00            | -306.1          | 0.00            | 306.06                     | 829.60        | 212.69        | 402.78           | 339.02           | 75.51              | -5.96          | 0.169 |
| 116.42        | -8.79            | -11.30           | 0.00            | -306.1          | 0.00            | 306.06                     | 829.60        | 212.69        | 402.78           | 339.02           | 75.51              | -5.96          | 0.916 |
| 120.00        | -8.51            | -10.88           | 0.00            | -265.6          | 0.00            | 265.62                     | 815.69        | 206.75        | 380.59           | 323.94           | 80                 | -6.05          | 0.833 |
| 125.00        | -8.19            | -10.39           | 0.00            | -211.2          | 0.00            | 211.22                     | 795.37        | 198.45        | 350.65           | 303.07           | 86.65              | -6.64          | 0.710 |
| 130.00        | -7.89            | -10.05           | 0.00            | -159.3          | 0.00            | 159.28                     | 774.01        | 190.15        | 321.95           | 282.47           | 93.87              | -7.16          | 0.577 |
| 135.00        | -7.63            | -9.70            | 0.00            | -109.0          | 0.00            | 109.05                     | 751.61        | 181.85        | 294.46           | 262.20           | 101.59             | -7.59          | 0.429 |
| 140.00        | -7.38            | -9.50            | 0.00            | -60.5           | 0.00            | 60.54                      | 728.17        | 173.55        | 268.21           | 242.30           | 109.7              | -7.9           | 0.263 |
| 140.30        | -7.27            | -9.08            | 0.00            | -57.7           | 0.00            | 57.69                      | 726.82        | 173.05        | 266.67           | 241.15           | 110.19             | -7.91          | 0.252 |
| 140.70        | -7.14            | -8.30            | 0.00            | -54.1           | 0.00            | 54.06                      | 724.03        | 172.39        | 264.63           | 239.30           | 110.86             | -7.93          | 0.238 |
| 142.00        | -5.06            | -6.83            | 0.00            | -43.3           | 0.00            | 43.27                      | 714.97        | 170.23        | 258.05           | 233.31           | 113.02             | -7.99          | 0.194 |
| 142.90        | -4.87            | -6.67            | 0.00            | -37.1           | 0.00            | 37.12                      | 708.69        | 168.74        | 253.54           | 229.21           | 114.52             | -8.02          | 0.170 |
| 143.10        | -4.70            | -6.45            | 0.00            | -35.8           | 0.00            | 35.79                      | 707.30        | 168.40        | 252.54           | 228.30           | 114.86             | -8.03          | 0.165 |
| 143.30        | -4.43            | -6.24            | 0.00            | -34.5           | 0.00            | 34.50                      | 705.90        | 168.07        | 251.55           | 227.40           | 115.19             | -8.03          | 0.159 |
| 143.50        | -4.31            | -5.96            | 0.00            | -33.2           | 0.00            | 33.25                      | 704.51        | 167.74        | 250.56           | 226.49           | 115.53             | -8.04          | 0.154 |
| 144.90        | -4.25            | -5.88            | 0.00            | -24.9           | 0.00            | 24.90                      | 694.75        | 165.42        | 243.66           | 220.22           | 117.88             | -8.08          | 0.120 |
| 145.00        | -4.24            | -5.87            | 0.00            | -24.3           | 0.00            | 24.31                      | 694.05        | 165.25        | 243.18           | 219.78           | 118.05             | -8.08          | 0.118 |
| 145.20        | -4.23            | -5.58            | 0.00            | -23.1           | 0.00            | 23.14                      | 692.66        | 164.92        | 242.20           | 218.89           | 118.39             | -8.08          | 0.113 |
| 145.40        | -4.20            | -5.12            | 0.00            | -22.0           | 0.00            | 22.02                      | 691.26        | 164.59        | 241.23           | 218.01           | 118.73             | -8.09          | 0.108 |
| 145.50        | -4.19            | -5.01            | 0.00            | -21.5           | 0.00            | 21.51                      | 690.57        | 164.42        | 240.74           | 217.57           | 118.9              | -8.09          | 0.106 |

CALCULATED FORCES

|        |       |       |      |       |      |       |        |        |        |        |        |       |       |
|--------|-------|-------|------|-------|------|-------|--------|--------|--------|--------|--------|-------|-------|
| 145.60 | -4.16 | -4.96 | 0.00 | -21.0 | 0.00 | 21.01 | 689.87 | 164.25 | 240.25 | 217.12 | 119.06 | -8.09 | 0.104 |
| 146.00 | -3.72 | -4.36 | 0.00 | -19.0 | 0.00 | 19.03 | 687.08 | 163.59 | 238.32 | 215.36 | 119.74 | -8.1  | 0.094 |
| 150.00 | 0.00  | -3.79 | 0.00 | -1.6  | 0.00 | 1.59  | 659.19 | 156.95 | 219.37 | 198.13 | 126.53 | -8.14 | 0.009 |

CALCULATED FORCES

| Load Case: 1.2D + 1.0Di + 1.0Wi |                  |                  |                 |                      |                 |                            |               |               |                  |                  |                       |                | 48.73 mph Wind with 0.85" Radial Ice |      | 30 Iterations |
|---------------------------------|------------------|------------------|-----------------|----------------------|-----------------|----------------------------|---------------|---------------|------------------|------------------|-----------------------|----------------|--------------------------------------|------|---------------|
| Gust Response Factor:           |                  |                  | 1.10            | Ice Dead Load Factor |                 |                            |               | 1.00          |                  |                  | Ice Importance Factor |                |                                      | 1.00 |               |
| 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 (deg) | Ratio                                |      |               |
| 0.00                            | -64.55           | -5.75            | 0.00            | -667.3               | 0.00            | 667.27                     | 3,156.90      | 784.09        | 2,737.03         | 2,376.08         | 0                     | 0              | 0.137                                |      |               |
| 5.00                            | -62.31           | -5.72            | 0.00            | -638.5               | 0.00            | 638.52                     | 3,114.09      | 767.49        | 2,622.41         | 2,293.74         | 0.03                  | -0.05          | 0.133                                |      |               |
| 10.00                           | -60.07           | -5.69            | 0.00            | -609.9               | 0.00            | 609.93                     | 3,070.24      | 750.89        | 2,510.23         | 2,212.03         | 0.11                  | -0.11          | 0.130                                |      |               |
| 12.50                           | -58.96           | -5.67            | 0.00            | -595.7               | 0.00            | 595.71                     | 3,047.93      | 742.59        | 2,455.06         | 2,171.42         | 0.18                  | -0.13          | 0.128                                |      |               |
| 15.00                           | -57.84           | -5.64            | 0.00            | -581.5               | 0.00            | 581.54                     | 3,025.35      | 734.29        | 2,400.51         | 2,131.00         | 0.25                  | -0.16          | 0.126                                |      |               |
| 20.00                           | -55.63           | -5.60            | 0.00            | -553.3               | 0.00            | 553.33                     | 2,979.43      | 717.69        | 2,293.24         | 2,050.69         | 0.45                  | -0.21          | 0.123                                |      |               |
| 25.00                           | -53.43           | -5.55            | 0.00            | -525.3               | 0.00            | 525.33                     | 2,932.46      | 701.09        | 2,188.42         | 1,971.17         | 0.7                   | -0.27          | 0.119                                |      |               |
| 30.00                           | -51.25           | -5.52            | 0.00            | -497.6               | 0.00            | 497.56                     | 2,874.86      | 684.49        | 2,086.05         | 1,886.18         | 1.01                  | -0.32          | 0.115                                |      |               |
| 30.48                           | -51.04           | -5.52            | 0.00            | -494.9               | 0.00            | 494.91                     | 2,868.16      | 682.90        | 2,076.35         | 1,877.36         | 1.05                  | -0.33          | 0.115                                |      |               |
| 30.48                           | -51.04           | -5.52            | 0.00            | -494.9               | 0.00            | 494.91                     | 2,868.16      | 682.90        | 2,076.35         | 1,877.36         | 1.05                  | -0.33          | 0.163                                |      |               |
| 31.50                           | -50.68           | -5.50            | 0.00            | -489.3               | 0.00            | 489.28                     | 2,853.94      | 679.51        | 2,055.82         | 1,858.68         | 1.12                  | -0.34          | 0.162                                |      |               |
| 35.00                           | -48.98           | -5.48            | 0.00            | -470.0               | 0.00            | 470.02                     | 2,805.14      | 667.89        | 1,986.14         | 1,795.29         | 1.39                  | -0.39          | 0.158                                |      |               |
| 35.67                           | -48.66           | -5.47            | 0.00            | -466.4               | 0.00            | 466.36                     | 2,247.90      | 566.87        | 1,716.67         | 1,468.42         | 1.44                  | -0.4           | 0.181                                |      |               |
| 40.00                           | -47.24           | -5.44            | 0.00            | -442.7               | 0.00            | 442.66                     | 2,218.43      | 554.88        | 1,644.85         | 1,418.22         | 1.84                  | -0.47          | 0.176                                |      |               |
| 45.00                           | -45.63           | -5.39            | 0.00            | -415.5               | 0.00            | 415.48                     | 2,183.45      | 541.05        | 1,563.88         | 1,360.71         | 2.37                  | -0.55          | 0.169                                |      |               |
| 50.00                           | -44.03           | -5.34            | 0.00            | -388.5               | 0.00            | 388.52                     | 2,147.43      | 527.22        | 1,484.96         | 1,303.70         | 2.99                  | -0.63          | 0.162                                |      |               |
| 55.00                           | -42.45           | -5.29            | 0.00            | -361.8               | 0.00            | 361.80                     | 2,110.37      | 513.38        | 1,408.08         | 1,247.24         | 3.68                  | -0.71          | 0.155                                |      |               |
| 60.00                           | -40.89           | -5.23            | 0.00            | -335.3               | 0.00            | 335.34                     | 2,072.27      | 499.55        | 1,333.25         | 1,191.37         | 4.46                  | -0.78          | 0.148                                |      |               |
| 65.00                           | -39.34           | -5.17            | 0.00            | -309.2               | 0.00            | 309.18                     | 2,033.13      | 485.71        | 1,260.46         | 1,136.15         | 5.33                  | -0.86          | 0.140                                |      |               |
| 70.00                           | -37.82           | -5.10            | 0.00            | -283.4               | 0.00            | 283.35                     | 1,981.90      | 471.88        | 1,189.71         | 1,075.63         | 6.27                  | -0.93          | 0.133                                |      |               |
| 73.50                           | -36.45           | -5.05            | 0.00            | -265.5               | 0.00            | 265.49                     | 1,473.88      | 377.71        | 952.63           | 802.19           | 6.97                  | -0.99          | 0.149                                |      |               |
| 75.00                           | -36.03           | -5.01            | 0.00            | -257.9               | 0.00            | 257.91                     | 1,466.20      | 374.39        | 935.96           | 790.93           | 7.28                  | -1.01          | 0.146                                |      |               |
| 80.00                           | -34.63           | -4.93            | 0.00            | -232.8               | 0.00            | 232.85                     | 1,439.92      | 363.32        | 881.46           | 753.58           | 8.38                  | -1.08          | 0.135                                |      |               |
| 85.00                           | -33.26           | -4.85            | 0.00            | -208.2               | 0.00            | 208.18                     | 1,412.60      | 352.25        | 828.60           | 716.55           | 9.55                  | -1.15          | 0.124                                |      |               |
| 90.00                           | -31.90           | -4.78            | 0.00            | -183.9               | 0.00            | 183.93                     | 1,384.24      | 341.19        | 777.37           | 679.88           | 10.79                 | -1.22          | 0.113                                |      |               |
| 91.00                           | -31.63           | -4.75            | 0.00            | -179.2               | 0.00            | 179.15                     | 1,378.45      | 338.97        | 767.32           | 672.60           | 11.05                 | -1.23          | 0.111                                |      |               |
| 95.00                           | -30.37           | -4.64            | 0.00            | -160.2               | 0.00            | 160.16                     | 1,354.85      | 330.12        | 727.77           | 643.64           | 12.11                 | -1.28          | 0.102                                |      |               |
| 95.33                           | -30.27           | -4.60            | 0.00            | -158.6               | 0.00            | 158.63                     | 1,352.87      | 329.39        | 724.56           | 641.26           | 12.2                  | -1.29          | 0.082                                |      |               |
| 95.33                           | -30.27           | -4.60            | 0.00            | -158.6               | 0.00            | 158.63                     | 1,352.87      | 329.39        | 724.56           | 641.26           | 12.2                  | -1.29          | 0.101                                |      |               |
| 100.00                          | -28.91           | -4.42            | 0.00            | -137.2               | 0.00            | 137.16                     | 1,324.41      | 319.05        | 679.81           | 607.87           | 13.48                 | -1.34          | 0.073                                |      |               |
| 105.00                          | -27.60           | -4.26            | 0.00            | -115.1               | 0.00            | 115.06                     | 1,292.93      | 307.98        | 633.49           | 572.61           | 14.91                 | -1.38          | 0.063                                |      |               |
| 108.00                          | -20.69           | -3.13            | 0.00            | -102.0               | 0.00            | 101.97                     | 1,265.65      | 301.34        | 606.48           | 548.30           | 15.79                 | -1.41          | 0.055                                |      |               |
| 110.00                          | -20.20           | -3.07            | 0.00            | -95.7                | 0.00            | 95.71                      | 1,247.06      | 296.92        | 588.80           | 532.22           | 16.38                 | -1.42          | 0.052                                |      |               |
| 110.00                          | -20.20           | -3.07            | 0.00            | -95.7                | 0.00            | 95.71                      | 853.21        | 223.35        | 444.14           | 366.30           | 16.38                 | -1.42          | 0.062                                |      |               |
| 111.00                          | -19.87           | -2.98            | 0.00            | -92.6                | 0.00            | 92.64                      | 849.64        | 221.69        | 437.56           | 362.04           | 16.68                 | -1.43          | 0.060                                |      |               |
| 115.00                          | -18.98           | -2.86            | 0.00            | -80.7                | 0.00            | 80.72                      | 834.97        | 215.05        | 411.75           | 345.03           | 17.89                 | -1.45          | 0.053                                |      |               |
| 116.42                          | -18.67           | -2.79            | 0.00            | -76.7                | 0.00            | 76.66                      | 829.60        | 212.69        | 402.78           | 339.02           | 18.32                 | -1.46          | 0.051                                |      |               |
| 116.42                          | -18.67           | -2.79            | 0.00            | -76.7                | 0.00            | 76.66                      | 829.60        | 212.69        | 402.78           | 339.02           | 18.32                 | -1.46          | 0.249                                |      |               |
| 120.00                          | -18.10           | -2.67            | 0.00            | -66.7                | 0.00            | 66.67                      | 815.69        | 206.75        | 380.59           | 323.94           | 19.43                 | -1.48          | 0.228                                |      |               |
| 125.00                          | -17.49           | -2.60            | 0.00            | -53.3                | 0.00            | 53.31                      | 795.37        | 198.45        | 350.65           | 303.07           | 21.06                 | -1.63          | 0.198                                |      |               |
| 130.00                          | -16.95           | -2.54            | 0.00            | -40.3                | 0.00            | 40.32                      | 774.01        | 190.15        | 321.95           | 282.47           | 22.85                 | -1.76          | 0.165                                |      |               |
| 135.00                          | -16.43           | -2.47            | 0.00            | -27.6                | 0.00            | 27.63                      | 751.61        | 181.85        | 294.46           | 262.20           | 24.76                 | -1.87          | 0.127                                |      |               |
| 140.00                          | -15.92           | -2.41            | 0.00            | -15.3                | 0.00            | 15.30                      | 728.17        | 173.55        | 268.21           | 242.30           | 26.76                 | -1.95          | 0.085                                |      |               |
| 140.30                          | -15.52           | -2.31            | 0.00            | -14.6                | 0.00            | 14.58                      | 726.82        | 173.05        | 266.67           | 241.15           | 26.89                 | -1.96          | 0.082                                |      |               |
| 140.70                          | -14.89           | -2.14            | 0.00            | -13.6                | 0.00            | 13.65                      | 724.03        | 172.39        | 264.63           | 239.30           | 27.05                 | -1.96          | 0.078                                |      |               |
| 142.00                          | -11.16           | -1.72            | 0.00            | -10.9                | 0.00            | 10.86                      | 714.97        | 170.23        | 258.05           | 233.31           | 27.59                 | -1.97          | 0.062                                |      |               |
| 142.90                          | -10.76           | -1.67            | 0.00            | -9.3                 | 0.00            | 9.32                       | 708.69        | 168.74        | 253.54           | 229.21           | 27.96                 | -1.98          | 0.056                                |      |               |
| 143.10                          | -10.37           | -1.62            | 0.00            | -9.0                 | 0.00            | 8.99                       | 707.30        | 168.40        | 252.54           | 228.30           | 28.04                 | -1.98          | 0.054                                |      |               |
| 143.30                          | -9.82            | -1.56            | 0.00            | -8.7                 | 0.00            | 8.66                       | 705.90        | 168.07        | 251.55           | 227.40           | 28.12                 | -1.98          | 0.052                                |      |               |
| 143.50                          | -9.48            | -1.50            | 0.00            | -8.4                 | 0.00            | 8.35                       | 704.51        | 167.74        | 250.56           | 226.49           | 28.21                 | -1.99          | 0.050                                |      |               |
| 144.90                          | -9.31            | -1.47            | 0.00            | -6.3                 | 0.00            | 6.26                       | 694.75        | 165.42        | 243.66           | 220.22           | 28.79                 | -2             | 0.042                                |      |               |
| 145.00                          | -9.30            | -1.47            | 0.00            | -6.1                 | 0.00            | 6.11                       | 694.05        | 165.25        | 243.18           | 219.78           | 28.83                 | -2             | 0.041                                |      |               |
| 145.20                          | -9.16            | -1.41            | 0.00            | -5.8                 | 0.00            | 5.82                       | 692.66        | 164.92        | 242.20           | 218.89           | 28.92                 | -2             | 0.040                                |      |               |
| 145.40                          | -8.89            | -1.30            | 0.00            | -5.5                 | 0.00            | 5.53                       | 691.26        | 164.59        | 241.23           | 218.01           | 29                    | -2             | 0.038                                |      |               |
| 145.50                          | -8.81            | -1.28            | 0.00            | -5.4                 | 0.00            | 5.40                       | 690.57        | 164.42        | 240.74           | 217.57           | 29.04                 | -2             | 0.038                                |      |               |

CALCULATED FORCES

|        |       |       |      |      |      |      |        |        |        |        |       |       |       |
|--------|-------|-------|------|------|------|------|--------|--------|--------|--------|-------|-------|-------|
| 145.60 | -8.74 | -1.26 | 0.00 | -5.3 | 0.00 | 5.28 | 689.87 | 164.25 | 240.25 | 217.12 | 29.08 | -2    | 0.037 |
| 146.00 | -7.92 | -1.12 | 0.00 | -4.8 | 0.00 | 4.77 | 687.08 | 163.59 | 238.32 | 215.36 | 29.25 | -2    | 0.034 |
| 150.00 | 0.00  | -0.84 | 0.00 | -0.3 | 0.00 | 0.31 | 659.19 | 156.95 | 219.37 | 198.13 | 30.93 | -2.01 | 0.002 |

CALCULATED FORCES

Load Case: 1.0D + 1.0W 60 mph Wind with No Ice 29 Iterations  
 Gust Response Factor: 1.10  
 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 (deg) | Ratio |
|---------------|------------------|------------------|-----------------|-----------------|-----------------|----------------------------|---------------|---------------|------------------|------------------|--------------------|----------------|-------|
| 0.00          | -42.04           | -6.58            | 0.00            | -682.5          | 0.00            | 682.53                     | 3,156.90      | 784.09        | 2,737.03         | 2,376.08         | 0                  | 0              | 0.136 |
| 5.00          | -40.38           | -6.47            | 0.00            | -649.6          | 0.00            | 649.65                     | 3,114.09      | 767.49        | 2,622.41         | 2,293.74         | 0.03               | -0.05          | 0.132 |
| 10.00         | -38.74           | -6.39            | 0.00            | -617.3          | 0.00            | 617.29                     | 3,070.24      | 750.89        | 2,510.23         | 2,212.03         | 0.12               | -0.11          | 0.128 |
| 12.50         | -37.92           | -6.33            | 0.00            | -601.3          | 0.00            | 601.32                     | 3,047.93      | 742.59        | 2,455.06         | 2,171.42         | 0.18               | -0.14          | 0.126 |
| 15.00         | -37.11           | -6.26            | 0.00            | -585.5          | 0.00            | 585.49                     | 3,025.35      | 734.29        | 2,400.51         | 2,131.00         | 0.26               | -0.16          | 0.123 |
| 20.00         | -35.50           | -6.16            | 0.00            | -554.2          | 0.00            | 554.17                     | 2,979.43      | 717.69        | 2,293.24         | 2,050.69         | 0.46               | -0.22          | 0.119 |
| 25.00         | -33.91           | -6.05            | 0.00            | -523.4          | 0.00            | 523.39                     | 2,932.46      | 701.09        | 2,188.42         | 1,971.17         | 0.71               | -0.27          | 0.115 |
| 30.00         | -32.33           | -5.97            | 0.00            | -493.2          | 0.00            | 493.15                     | 2,874.86      | 684.49        | 2,086.05         | 1,886.18         | 1.03               | -0.32          | 0.111 |
| 30.48         | -32.18           | -5.96            | 0.00            | -490.3          | 0.00            | 490.28                     | 2,868.16      | 682.90        | 2,076.35         | 1,877.36         | 1.06               | -0.33          | 0.111 |
| 30.48         | -32.18           | -5.96            | 0.00            | -490.3          | 0.00            | 490.28                     | 2,868.16      | 682.90        | 2,076.35         | 1,877.36         | 1.06               | -0.33          | 0.157 |
| 31.50         | -31.92           | -5.92            | 0.00            | -484.2          | 0.00            | 484.21                     | 2,853.94      | 679.51        | 2,055.82         | 1,858.68         | 1.13               | -0.34          | 0.156 |
| 35.00         | -30.68           | -5.87            | 0.00            | -463.5          | 0.00            | 463.48                     | 2,805.14      | 667.89        | 1,986.14         | 1,795.29         | 1.4                | -0.39          | 0.151 |
| 35.67         | -30.44           | -5.83            | 0.00            | -459.6          | 0.00            | 459.57                     | 2,247.90      | 566.87        | 1,716.67         | 1,468.42         | 1.46               | -0.4           | 0.174 |
| 40.00         | -29.47           | -5.73            | 0.00            | -434.3          | 0.00            | 434.31                     | 2,218.43      | 554.88        | 1,644.85         | 1,418.22         | 1.85               | -0.47          | 0.168 |
| 45.00         | -28.37           | -5.62            | 0.00            | -405.6          | 0.00            | 405.65                     | 2,183.45      | 541.05        | 1,563.88         | 1,360.71         | 2.38               | -0.55          | 0.161 |
| 50.00         | -27.27           | -5.51            | 0.00            | -377.5          | 0.00            | 377.54                     | 2,147.43      | 527.22        | 1,484.96         | 1,303.70         | 3                  | -0.62          | 0.153 |
| 55.00         | -26.20           | -5.39            | 0.00            | -350.0          | 0.00            | 350.00                     | 2,110.37      | 513.38        | 1,408.08         | 1,247.24         | 3.69               | -0.7           | 0.146 |
| 60.00         | -25.13           | -5.26            | 0.00            | -323.1          | 0.00            | 323.07                     | 2,072.27      | 499.55        | 1,333.25         | 1,191.37         | 4.46               | -0.77          | 0.139 |
| 65.00         | -24.08           | -5.14            | 0.00            | -296.8          | 0.00            | 296.75                     | 2,033.13      | 485.71        | 1,260.46         | 1,136.15         | 5.31               | -0.85          | 0.131 |
| 70.00         | -23.05           | -5.02            | 0.00            | -271.1          | 0.00            | 271.06                     | 1,981.90      | 471.88        | 1,189.71         | 1,075.63         | 6.24               | -0.92          | 0.124 |
| 73.50         | -22.07           | -4.94            | 0.00            | -253.5          | 0.00            | 253.49                     | 1,473.88      | 377.71        | 952.63           | 802.19           | 6.93               | -0.97          | 0.138 |
| 75.00         | -21.79           | -4.87            | 0.00            | -246.1          | 0.00            | 246.08                     | 1,466.20      | 374.39        | 935.96           | 790.93           | 7.24               | -0.99          | 0.135 |
| 80.00         | -20.86           | -4.74            | 0.00            | -221.7          | 0.00            | 221.73                     | 1,439.92      | 363.32        | 881.46           | 753.58           | 8.32               | -1.06          | 0.124 |
| 85.00         | -19.95           | -4.60            | 0.00            | -198.0          | 0.00            | 198.05                     | 1,412.60      | 352.25        | 828.60           | 716.55           | 9.46               | -1.13          | 0.114 |
| 90.00         | -19.04           | -4.49            | 0.00            | -175.0          | 0.00            | 175.05                     | 1,384.24      | 341.19        | 777.37           | 679.88           | 10.68              | -1.19          | 0.104 |
| 91.00         | -18.86           | -4.44            | 0.00            | -170.6          | 0.00            | 170.56                     | 1,378.45      | 338.97        | 767.32           | 672.60           | 10.93              | -1.21          | 0.102 |
| 95.00         | -18.07           | -4.36            | 0.00            | -152.8          | 0.00            | 152.79                     | 1,354.85      | 330.12        | 727.77           | 643.64           | 11.96              | -1.25          | 0.093 |
| 95.33         | -18.01           | -4.31            | 0.00            | -151.4          | 0.00            | 151.35                     | 1,352.87      | 329.39        | 724.56           | 641.26           | 12.05              | -1.26          | 0.074 |
| 95.33         | -18.01           | -4.31            | 0.00            | -151.4          | 0.00            | 151.35                     | 1,352.87      | 329.39        | 724.56           | 641.26           | 12.05              | -1.26          | 0.092 |
| 100.00        | -17.17           | -4.17            | 0.00            | -131.2          | 0.00            | 131.22                     | 1,324.41      | 319.05        | 679.81           | 607.87           | 13.31              | -1.31          | 0.065 |
| 105.00        | -16.36           | -4.05            | 0.00            | -110.3          | 0.00            | 110.34                     | 1,292.93      | 307.98        | 633.49           | 572.61           | 14.7               | -1.35          | 0.056 |
| 108.00        | -12.14           | -2.99            | 0.00            | -97.8           | 0.00            | 97.83                      | 1,265.65      | 301.34        | 606.48           | 548.30           | 15.55              | -1.37          | 0.049 |
| 110.00        | -11.85           | -2.94            | 0.00            | -91.8           | 0.00            | 91.85                      | 1,247.06      | 296.92        | 588.80           | 532.22           | 16.13              | -1.38          | 0.047 |
| 110.00        | -11.85           | -2.94            | 0.00            | -91.8           | 0.00            | 91.85                      | 853.21        | 223.35        | 444.14           | 366.30           | 16.13              | -1.38          | 0.055 |
| 111.00        | -11.67           | -2.85            | 0.00            | -88.9           | 0.00            | 88.91                      | 849.64        | 221.69        | 437.56           | 362.04           | 16.42              | -1.39          | 0.054 |
| 115.00        | -11.14           | -2.76            | 0.00            | -77.5           | 0.00            | 77.50                      | 834.97        | 215.05        | 411.75           | 345.03           | 17.6               | -1.42          | 0.047 |
| 116.42        | -10.96           | -2.70            | 0.00            | -73.6           | 0.00            | 73.58                      | 829.60        | 212.69        | 402.78           | 339.02           | 18.02              | -1.42          | 0.045 |
| 116.42        | -10.96           | -2.70            | 0.00            | -73.6           | 0.00            | 73.58                      | 829.60        | 212.69        | 402.78           | 339.02           | 18.02              | -1.42          | 0.230 |
| 120.00        | -10.67           | -2.61            | 0.00            | -63.9           | 0.00            | 63.90                      | 815.69        | 206.75        | 380.59           | 323.94           | 19.1               | -1.44          | 0.211 |
| 125.00        | -10.35           | -2.50            | 0.00            | -50.9           | 0.00            | 50.86                      | 795.37        | 198.45        | 350.65           | 303.07           | 20.69              | -1.59          | 0.181 |
| 130.00        | -10.06           | -2.42            | 0.00            | -38.4           | 0.00            | 38.39                      | 774.01        | 190.15        | 321.95           | 282.47           | 22.42              | -1.71          | 0.149 |
| 135.00        | -9.78            | -2.34            | 0.00            | -26.3           | 0.00            | 26.30                      | 751.61        | 181.85        | 294.46           | 262.20           | 24.27              | -1.82          | 0.113 |
| 140.00        | -9.51            | -2.29            | 0.00            | -14.6           | 0.00            | 14.61                      | 728.17        | 173.55        | 268.21           | 242.30           | 26.21              | -1.89          | 0.074 |
| 140.30        | -9.33            | -2.19            | 0.00            | -13.9           | 0.00            | 13.92                      | 726.82        | 173.05        | 266.67           | 241.15           | 26.33              | -1.89          | 0.071 |
| 140.70        | -9.08            | -2.00            | 0.00            | -13.0           | 0.00            | 13.04                      | 724.03        | 172.39        | 264.63           | 239.30           | 26.49              | -1.9           | 0.067 |
| 142.00        | -6.57            | -1.65            | 0.00            | -10.4           | 0.00            | 10.44                      | 714.97        | 170.23        | 258.05           | 233.31           | 27.01              | -1.91          | 0.054 |
| 142.90        | -6.34            | -1.61            | 0.00            | -9.0            | 0.00            | 8.95                       | 708.69        | 168.74        | 253.54           | 229.21           | 27.37              | -1.92          | 0.048 |
| 143.10        | -6.13            | -1.55            | 0.00            | -8.6            | 0.00            | 8.63                       | 707.30        | 168.40        | 252.54           | 228.30           | 27.45              | -1.92          | 0.047 |
| 143.30        | -5.80            | -1.50            | 0.00            | -8.3            | 0.00            | 8.32                       | 705.90        | 168.07        | 251.55           | 227.40           | 27.53              | -1.92          | 0.045 |
| 143.50        | -5.63            | -1.44            | 0.00            | -8.0            | 0.00            | 8.02                       | 704.51        | 167.74        | 250.56           | 226.49           | 27.61              | -1.92          | 0.043 |
| 144.90        | -5.55            | -1.42            | 0.00            | -6.0            | 0.00            | 6.01                       | 694.75        | 165.42        | 243.66           | 220.22           | 28.18              | -1.93          | 0.035 |
| 145.00        | -5.54            | -1.42            | 0.00            | -5.9            | 0.00            | 5.87                       | 694.05        | 165.25        | 243.18           | 219.78           | 28.22              | -1.93          | 0.035 |
| 145.20        | -5.49            | -1.35            | 0.00            | -5.6            | 0.00            | 5.58                       | 692.66        | 164.92        | 242.20           | 218.89           | 28.3               | -1.93          | 0.033 |
| 145.40        | -5.38            | -1.24            | 0.00            | -5.3            | 0.00            | 5.31                       | 691.26        | 164.59        | 241.23           | 218.01           | 28.38              | -1.94          | 0.032 |
| 145.50        | -5.35            | -1.21            | 0.00            | -5.2            | 0.00            | 5.19                       | 690.57        | 164.42        | 240.74           | 217.57           | 28.42              | -1.94          | 0.032 |

ASSET: 302482, North Haven CT 1  
CUSTOMER: VERIZON WIRELESS

CODE: ANSI/TIA-222-H  
PROJECT: 14568540\_C3\_03

CALCULATED FORCES

|        |       |       |      |      |      |      |        |        |        |        |       |       |       |
|--------|-------|-------|------|------|------|------|--------|--------|--------|--------|-------|-------|-------|
| 145.60 | -5.32 | -1.20 | 0.00 | -5.1 | 0.00 | 5.07 | 689.87 | 164.25 | 240.25 | 217.12 | 28.46 | -1.94 | 0.031 |
| 146.00 | -4.74 | -1.05 | 0.00 | -4.6 | 0.00 | 4.59 | 687.08 | 163.59 | 238.32 | 215.36 | 28.62 | -1.94 | 0.028 |
| 150.00 | 0.00  | -0.89 | 0.00 | -0.4 | 0.00 | 0.37 | 659.19 | 156.95 | 219.37 | 198.13 | 30.25 | -1.95 | 0.002 |

EQUIVALENT LATERAL FORCES METHOD ANALYSIS

(Based on ASCE7-16 Chapters 11, 12 and 15)

|  |          |
|--|----------|
| Spectral Response Acceleration for Short Period ( $S_S$ ):               | 0.204    |
| Spectral Response Acceleration at 1.0 Second Period ( $S_1$ ):           | 0.054    |
| Long-Period Transition Period ( $T_L$ – Seconds):                        | 6        |
| Importance Factor ( $I_e$ ):   | 1.000    |
| Site Coefficient $F_a$ :   | 1.600    |
| Site Coefficient $F_v$ :   | 2.400    |
| Response Modification Coefficient (R):                                   | 1.500    |
| Design Spectral Response Acceleration at Short Period ( $S_{ds}$ ):      | 0.218    |
| Design Spectral Response Acceleration at 1.0 Second Period ( $S_{d1}$ ): | 0.086    |
| Seismic Response Coefficient ( $C_s$ ):                                  | 0.030    |
| Upper Limit $C_s$ :  | 0.030    |
| Lower Limit $C_s$ :  | 0.030    |
| Period based on Rayleigh Method (sec):                                   | 3.160    |
| Redundancy Factor ( $\rho$ ):  | 1.000    |
| Seismic Force Distribution Exponent ( $k$ ):                             | 2.000    |
| Total Unfactored Dead Load:  | 42.040 k |
| Seismic Base Shear (E):  | 1.260 k  |

SEISMIC FORCES

| Segment | Seismic | Height Above Base (ft) | Weight (lb) | $W_z$ (lb-ft) | $C_{vx}$ | Horizontal Force (lb) | Vertical Force (lb) |
|---------|---------|------------------------|-------------|---------------|----------|-----------------------|---------------------|
| 53      |         | 148                    | 173         | 3,782         | 0.010    | 13                    | 215                 |
| 52      |         | 145.8                  | 18          | 373           | 0.001    | 1                     | 22                  |
| 51      |         | 145.55                 | 4           | 93            | 0.000    | 0                     | 5                   |
| 50      |         | 145.45                 | 4           | 93            | 0.000    | 0                     | 5                   |
| 49      |         | 145.3                  | 9           | 186           | 0.000    | 1                     | 11                  |
| 48      |         | 145.1                  | 9           | 186           | 0.000    | 1                     | 11                  |
| 47      |         | 144.95                 | 4           | 94            | 0.000    | 0                     | 6                   |
| 46      |         | 144.2                  | 63          | 1,305         | 0.004    | 4                     | 78                  |
| 45      |         | 143.4                  | 9           | 185           | 0.000    | 1                     | 11                  |
| 44      |         | 143.2                  | 9           | 185           | 0.000    | 1                     | 11                  |
| 43      |         | 143                    | 10          | 201           | 0.000    | 1                     | 12                  |
| 42      |         | 142.45                 | 48          | 969           | 0.003    | 3                     | 59                  |
| 41      |         | 141.35                 | 69          | 1,387         | 0.004    | 5                     | 86                  |
| 40      |         | 140.5                  | 21          | 424           | 0.001    | 1                     | 27                  |
| 39      |         | 140.15                 | 16          | 317           | 0.001    | 1                     | 20                  |
| 38      |         | 137.5                  | 273         | 5,166         | 0.014    | 18                    | 340                 |
| 37      |         | 132.5                  | 281         | 4,938         | 0.013    | 17                    | 350                 |
| 36      |         | 127.5                  | 289         | 4,703         | 0.013    | 16                    | 360                 |
| 35      |         | 122.5                  | 316         | 4,746         | 0.013    | 16                    | 393                 |
| 34      |         | 118.21                 | 286         | 3,990         | 0.011    | 14                    | 355                 |
| 33      |         | 115.71                 | 186         | 2,484         | 0.007    | 8                     | 231                 |
| 32      |         | 113                    | 526         | 6,718         | 0.018    | 23                    | 654                 |
| 31      |         | 110.5                  | 134         | 1,640         | 0.004    | 6                     | 167                 |
| 30      |         | 109                    | 298         | 3,545         | 0.010    | 12                    | 371                 |
| 29      |         | 106.5                  | 468         | 5,311         | 0.014    | 18                    | 582                 |
| 28      |         | 102.5                  | 808         | 8,486         | 0.023    | 29                    | 1,004               |
| 27      |         | 97.665                 | 834         | 7,955         | 0.022    | 27                    | 1,037               |
| 26      |         | 95.165                 | 65          | 587           | 0.002    | 2                     | 81                  |
| 25      |         | 93                     | 789         | 6,826         | 0.018    | 23                    | 981                 |
| 24      |         | 90.5                   | 179         | 1,470         | 0.004    | 5                     | 223                 |
| 23      |         | 87.5                   | 904         | 6,920         | 0.019    | 24                    | 1,124               |
| 22      |         | 82.5                   | 915         | 6,224         | 0.017    | 21                    | 1,137               |
| 21      |         | 77.5                   | 925         | 5,557         | 0.015    | 19                    | 1,151               |
| 20      |         | 74.25                  | 280         | 1,542         | 0.004    | 5                     | 348                 |
| 19      |         | 71.75                  | 973         | 5,010         | 0.014    | 17                    | 1,210               |
| 18      |         | 67.5                   | 1,032       | 4,701         | 0.013    | 16                    | 1,283               |
| 17      |         | 62.5                   | 1,045       | 4,083         | 0.011    | 14                    | 1,300               |
| 16      |         | 57.5                   | 1,059       | 3,500         | 0.010    | 12                    | 1,316               |



SEISMIC FORCES

| 1.2D + 1.0Ev + 1.0Eh                         | Seismic | Height Above Base (ft) | Weight (lb)   | W <sub>z</sub> (lb-ft) | C <sub>vx</sub> | Horizontal Force (lb) | Vertical Force (lb) |
|--|---------|------------------------|---------------|------------------------|-----------------|-----------------------|---------------------|
| Segment                                      |         |                        |               |                        |                 |                       |                     |
| 15   |         | 52.5                   | 1,072         | 2,955                  | 0.008           | 10                    | 1,333               |
| 14   |         | 47.5                   | 1,085         | 2,449                  | 0.007           | 8                     | 1,350               |
| 13   |         | 42.5                   | 1,099         | 1,985                  | 0.005           | 7                     | 1,366               |
| 12   |         | 37.8334                | 963           | 1,379                  | 0.004           | 5                     | 1,198               |
| 11   |         | 35.3334                | 235           | 294                    | 0.001           | 1                     | 293                 |
| 10   |         | 33.25                  | 1,244         | 1,375                  | 0.004           | 5                     | 1,547               |
| 9  |         | 30.99                  | 251           | 241                    | 0.001           | 1                     | 312                 |
| 8  |         | 30.24                  | 150           | 137                    | 0.000           | 0                     | 187                 |
| 7  |         | 27.5                   | 1,573         | 1,190                  | 0.003           | 4                     | 1,956               |
| 6  |         | 22.5                   | 1,589         | 805                    | 0.002           | 3                     | 1,976               |
| 5  |         | 17.5                   | 1,605         | 492                    | 0.001           | 2                     | 1,996               |
| 4  |         | 13.75                  | 809           | 153                    | 0.000           | 1                     | 1,006               |
| 3  |         | 11.25                  | 813           | 103                    | 0.000           | 0                     | 1,011               |
| 2  |         | 7.5                    | 1,638         | 92                     | 0.000           | 0                     | 2,036               |
| 1  |         | 2.5                    | 1,654         | 10                     | 0.000           | 0                     | 2,056               |
| Raycap DC6-48-60-18-8F                       |         | 150                    | 60            | 1,350                  | 0.004           | 5                     | 75                  |
| Ericsson RRUS 8843 B2, B66A                  |         | 150                    | 216           | 4,860                  | 0.013           | 17                    | 269                 |
| Ericsson RRUS 4478 B14                       |         | 150                    | 180           | 4,043                  | 0.011           | 14                    | 223                 |
| Ericsson RRUS 4449 B5, B12                   |         | 150                    | 213           | 4,792                  | 0.013           | 16                    | 265                 |
| Ericsson RRUS 32 B30                         |         | 150                    | 180           | 4,050                  | 0.011           | 14                    | 224                 |
| Ericsson RRUS E2 B29                         |         | 150                    | 180           | 4,050                  | 0.011           | 14                    | 224                 |
| Ericsson AIR 6419 B77G                       |         | 150                    | 198           | 4,462                  | 0.012           | 15                    | 247                 |
| Ericsson AIR 6449 B77D/ C-Band               |         | 150                    | 245           | 5,508                  | 0.015           | 19                    | 304                 |
| CCI DMP65R-BU6DA                             |         | 150                    | 238           | 5,360                  | 0.014           | 18                    | 296                 |
| Quintel QD6616-7                             |         | 150                    | 390           | 8,775                  | 0.024           | 30                    | 485                 |
| Generic Round Platform with Handrails        |         | 150                    | 2,500         | 56,250                 | 0.152           | 192                   | 3,109               |
| Generic Round Stand-Off                      |         | 146                    | 562           | 11,990                 | 0.032           | 41                    | 699                 |
| DragonWave Horizon Compact                   |         | 145.6                  | 32            | 674                    | 0.002           | 2                     | 40                  |
| DragonWave A-ANT-11G-2-C                     |         | 145.5                  | 27            | 572                    | 0.002           | 2                     | 34                  |
| DragonWave A-ANT-23G-1-C                     |         | 145.4                  | 15            | 317                    | 0.001           | 1                     | 19                  |
| Argus LLPX310R                               |         | 145.4                  | 86            | 1,814                  | 0.005           | 6                     | 107                 |
| DragonWave A-ANT-11G-2.5-C                   |         | 145.2                  | 48            | 1,004                  | 0.003           | 3                     | 59                  |
| Generic 12" x 12" Junction Box               |         | 144.9                  | 20            | 420                    | 0.001           | 1                     | 25                  |
| Generic RRU (Model TBD)                      |         | 143.5                  | 165           | 3,398                  | 0.009           | 12                    | 205                 |
| Alcatel-Lucent RRH2x50-08                    |         | 143.3                  | 317           | 6,518                  | 0.018           | 22                    | 395                 |
| Alcatel-Lucent TD-RRH8x20-25 w/ Solar Shield |         | 143.1                  | 210           | 4,300                  | 0.012           | 15                    | 261                 |
| Alcatel-Lucent 1900 MHz 4X45 RRH             |         | 142.9                  | 180           | 3,676                  | 0.010           | 13                    | 224                 |
| Platform with Handrails RMQP-496-HK          |         | 142                    | 2,449         | 49,376                 | 0.134           | 169                   | 3,045               |
| Commscope NNVV-65B-R4                        |         | 140.7                  | 232           | 4,597                  | 0.012           | 16                    | 289                 |
| RFS APXVTM14-ALU-I20                         |         | 140.3                  | 169           | 3,319                  | 0.009           | 11                    | 210                 |
| RFS DB-T1-6Z-8AB-0Z                          |         | 111                    | 44            | 542                    | 0.002           | 2                     | 55                  |
| Commscope CBC78T-DS-43-2X                    |         | 108                    | 62            | 724                    | 0.002           | 2                     | 77                  |
| Samsung RT4423-48A/B                         |         | 108                    | 46            | 539                    | 0.002           | 2                     | 57                  |
| Generic GPS                                  |         | 108                    | 10            | 117                    | 0.000           | 0                     | 12                  |
| Samsung XDWMM-12.5-65-8T-CBRS                |         | 108                    | 69            | 808                    | 0.002           | 3                     | 86                  |
| Samsung B2/B66A RRH ORAN (RF 4439d-25A)      |         | 108                    | 224           | 2,614                  | 0.007           | 9                     | 279                 |
| Samsung RF4461d-13A                          |         | 108                    | 237           | 2,768                  | 0.008           | 9                     | 295                 |
| Samsung MT6413-77A                           |         | 108                    | 172           | 2,005                  | 0.005           | 7                     | 214                 |
| Generic Mount Reinforcement                  |         | 108                    | 600           | 6,998                  | 0.019           | 24                    | 746                 |
| Commscope LNX-6514DS-VTM                     |         | 108                    | 116           | 1,358                  | 0.004           | 5                     | 145                 |
| Commscope JAHH-65B-R3B                       |         | 108                    | 364           | 4,241                  | 0.012           | 14                    | 452                 |
| Generic Round Low Profile Platform           |         | 108                    | 1,875         | 21,870                 | 0.059           | 75                    | 2,332               |
| <b>Totals:</b>                               |         |                        | <b>42,044</b> | <b>369,597</b>         | <b>1.000</b>    | <b>1,261</b>          | <b>52,282</b>       |

SEISMIC FORCES

| 0.9D - 1.0Ev + 1.0Eh | Seismic (Reduced DL) | Height Above Base (ft) | Weight (lb) | W <sub>z</sub> (lb-ft) | C <sub>vx</sub> | Horizontal Force (lb) | Vertical Force (lb) |
|----------------------|----------------------|------------------------|-------------|------------------------|-----------------|-----------------------|---------------------|
| Segment              |                      |                        |             |                        |                 |                       |                     |
| 53                   |                      | 148                    | 173         | 3,782                  | 0.010           | 13                    | 148                 |
| 52                   |                      | 145.8                  | 18          | 373                    | 0.001           | 1                     | 15                  |
| 51                   |                      | 145.55                 | 4           | 93                     | 0.000           | 0                     | 4                   |

SEISMIC FORCES

0.9D - 1.0Ev + 1.0Eh

Seismic (Reduced DL)

| Segment                               | Height Above Base (ft) | Weight (lb) | W <sub>z</sub> (lb-ft) | C <sub>vx</sub> | Horizontal Force (lb) | Vertical Force (lb) |
|---------------------------------------|------------------------|-------------|------------------------|-----------------|-----------------------|---------------------|
| 50                                    | 145.45                 | 4           | 93                     | 0.000           | 0                     | 4                   |
| 49                                    | 145.3                  | 9           | 186                    | 0.000           | 1                     | 8                   |
| 48                                    | 145.1                  | 9           | 186                    | 0.000           | 1                     | 8                   |
| 47                                    | 144.95                 | 4           | 94                     | 0.000           | 0                     | 4                   |
| 46                                    | 144.2                  | 63          | 1,305                  | 0.004           | 4                     | 54                  |
| 45                                    | 143.4                  | 9           | 185                    | 0.000           | 1                     | 8                   |
| 44                                    | 143.2                  | 9           | 185                    | 0.000           | 1                     | 8                   |
| 43                                    | 143                    | 10          | 201                    | 0.000           | 1                     | 8                   |
| 42                                    | 142.45                 | 48          | 969                    | 0.003           | 3                     | 41                  |
| 41                                    | 141.35                 | 69          | 1,387                  | 0.004           | 5                     | 59                  |
| 40                                    | 140.5                  | 21          | 424                    | 0.001           | 1                     | 18                  |
| 39                                    | 140.15                 | 16          | 317                    | 0.001           | 1                     | 14                  |
| 38                                    | 137.5                  | 273         | 5,166                  | 0.014           | 18                    | 234                 |
| 37                                    | 132.5                  | 281         | 4,938                  | 0.013           | 17                    | 241                 |
| 36                                    | 127.5                  | 289         | 4,703                  | 0.013           | 16                    | 248                 |
| 35                                    | 122.5                  | 316         | 4,746                  | 0.013           | 16                    | 271                 |
| 34                                    | 118.21                 | 286         | 3,990                  | 0.011           | 14                    | 245                 |
| 33                                    | 115.71                 | 186         | 2,484                  | 0.007           | 8                     | 159                 |
| 32                                    | 113                    | 526         | 6,718                  | 0.018           | 23                    | 451                 |
| 31                                    | 110.5                  | 134         | 1,640                  | 0.004           | 6                     | 115                 |
| 30                                    | 109                    | 298         | 3,545                  | 0.010           | 12                    | 256                 |
| 29                                    | 106.5                  | 468         | 5,311                  | 0.014           | 18                    | 401                 |
| 28                                    | 102.5                  | 808         | 8,486                  | 0.023           | 29                    | 692                 |
| 27                                    | 97.665                 | 834         | 7,955                  | 0.022           | 27                    | 714                 |
| 26                                    | 95.165                 | 65          | 587                    | 0.002           | 2                     | 56                  |
| 25                                    | 93                     | 789         | 6,826                  | 0.018           | 23                    | 676                 |
| 24                                    | 90.5                   | 179         | 1,470                  | 0.004           | 5                     | 154                 |
| 23                                    | 87.5                   | 904         | 6,920                  | 0.019           | 24                    | 774                 |
| 22                                    | 82.5                   | 915         | 6,224                  | 0.017           | 21                    | 783                 |
| 21                                    | 77.5                   | 925         | 5,557                  | 0.015           | 19                    | 792                 |
| 20                                    | 74.25                  | 280         | 1,542                  | 0.004           | 5                     | 240                 |
| 19                                    | 71.75                  | 973         | 5,010                  | 0.014           | 17                    | 834                 |
| 18                                    | 67.5                   | 1,032       | 4,701                  | 0.013           | 16                    | 884                 |
| 17                                    | 62.5                   | 1,045       | 4,083                  | 0.011           | 14                    | 895                 |
| 16                                    | 57.5                   | 1,059       | 3,500                  | 0.010           | 12                    | 907                 |
| 15                                    | 52.5                   | 1,072       | 2,955                  | 0.008           | 10                    | 918                 |
| 14                                    | 47.5                   | 1,085       | 2,449                  | 0.007           | 8                     | 930                 |
| 13                                    | 42.5                   | 1,099       | 1,985                  | 0.005           | 7                     | 941                 |
| 12                                    | 37.8334                | 963         | 1,379                  | 0.004           | 5                     | 825                 |
| 11                                    | 35.3334                | 235         | 294                    | 0.001           | 1                     | 202                 |
| 10                                    | 33.25                  | 1,244       | 1,375                  | 0.004           | 5                     | 1,065               |
| 9                                     | 30.99                  | 251         | 241                    | 0.001           | 1                     | 215                 |
| 8                                     | 30.24                  | 150         | 137                    | 0.000           | 0                     | 129                 |
| 7                                     | 27.5                   | 1,573       | 1,190                  | 0.003           | 4                     | 1,347               |
| 6                                     | 22.5                   | 1,589       | 805                    | 0.002           | 3                     | 1,361               |
| 5                                     | 17.5                   | 1,605       | 492                    | 0.001           | 2                     | 1,375               |
| 4                                     | 13.75                  | 809         | 153                    | 0.000           | 1                     | 693                 |
| 3                                     | 11.25                  | 813         | 103                    | 0.000           | 0                     | 696                 |
| 2                                     | 7.5                    | 1,638       | 92                     | 0.000           | 0                     | 1,403               |
| 1                                     | 2.5                    | 1,654       | 10                     | 0.000           | 0                     | 1,416               |
| Raycap DC6-48-60-18-8F                | 150                    | 60          | 1,350                  | 0.004           | 5                     | 51                  |
| Ericsson RRUS 8843 B2, B66A           | 150                    | 216         | 4,860                  | 0.013           | 17                    | 185                 |
| Ericsson RRUS 4478 B14                | 150                    | 180         | 4,043                  | 0.011           | 14                    | 154                 |
| Ericsson RRUS 4449 B5, B12            | 150                    | 213         | 4,792                  | 0.013           | 16                    | 182                 |
| Ericsson RRUS 32 B30                  | 150                    | 180         | 4,050                  | 0.011           | 14                    | 154                 |
| Ericsson RRUS E2 B29                  | 150                    | 180         | 4,050                  | 0.011           | 14                    | 154                 |
| Ericsson AIR 6419 B77G                | 150                    | 198         | 4,462                  | 0.012           | 15                    | 170                 |
| Ericsson AIR 6449 B77D/ C-Band        | 150                    | 245         | 5,508                  | 0.015           | 19                    | 210                 |
| CCI DMP65R-BU6DA                      | 150                    | 238         | 5,360                  | 0.014           | 18                    | 204                 |
| Quintel QD6616-7                      | 150                    | 390         | 8,775                  | 0.024           | 30                    | 334                 |
| Generic Round Platform with Handrails | 150                    | 2,500       | 56,250                 | 0.152           | 192                   | 2,141               |

SEISMIC FORCES

0.9D - 1.0Ev + 1.0Eh

Seismic (Reduced DL)

| Segment                                      | Height Above Base (ft) | Weight (lb)   | W <sub>z</sub> (lb-ft) | C <sub>vx</sub> | Horizontal Force (lb) | Vertical Force (lb) |
|--|------------------------|---------------|------------------------|-----------------|-----------------------|---------------------|
| Generic Round Stand-Off                      | 146                    | 562           | 11,990                 | 0.032           | 41                    | 482                 |
| DragonWave Horizon Compact                   | 145.6                  | 32            | 674                    | 0.002           | 2                     | 27                  |
| DragonWave A-ANT-11G-2-C                     | 145.5                  | 27            | 572                    | 0.002           | 2                     | 23                  |
| DragonWave A-ANT-23G-1-C                     | 145.4                  | 15            | 317                    | 0.001           | 1                     | 13                  |
| Argus LLPX310R                               | 145.4                  | 86            | 1,814                  | 0.005           | 6                     | 73                  |
| DragonWave A-ANT-11G-2.5-C                   | 145.2                  | 48            | 1,004                  | 0.003           | 3                     | 41                  |
| Generic 12" x 12" Junction Box               | 144.9                  | 20            | 420                    | 0.001           | 1                     | 17                  |
| Generic RRU (Model TBD)                      | 143.5                  | 165           | 3,398                  | 0.009           | 12                    | 141                 |
| Alcatel-Lucent RRH2x50-08                    | 143.3                  | 317           | 6,518                  | 0.018           | 22                    | 272                 |
| Alcatel-Lucent TD-RRH8x20-25 w/ Solar Shield | 143.1                  | 210           | 4,300                  | 0.012           | 15                    | 180                 |
| Alcatel-Lucent 1900 MHz 4X45 RRH             | 142.9                  | 180           | 3,676                  | 0.010           | 13                    | 154                 |
| Platform with Handrails RMQP-496-HK          | 142                    | 2,449         | 49,376                 | 0.134           | 169                   | 2,097               |
| Commscope NNVV-65B-R4                        | 140.7                  | 232           | 4,597                  | 0.012           | 16                    | 199                 |
| RFS APXVTM14-ALU-I20                         | 140.3                  | 169           | 3,319                  | 0.009           | 11                    | 144                 |
| RFS DB-T1-6Z-8AB-0Z                          | 111                    | 44            | 542                    | 0.002           | 2                     | 38                  |
| Commscope CBC78T-DS-43-2X                    | 108                    | 62            | 724                    | 0.002           | 2                     | 53                  |
| Samsung RT4423-48A/B                         | 108                    | 46            | 539                    | 0.002           | 2                     | 40                  |
| Generic GPS                                  | 108                    | 10            | 117                    | 0.000           | 0                     | 9                   |
| Samsung XXDWMM-12.5-65-8T-CBRS               | 108                    | 69            | 808                    | 0.002           | 3                     | 59                  |
| Samsung B2/B66A RRH ORAN (RF 4439d-25A)      | 108                    | 224           | 2,614                  | 0.007           | 9                     | 192                 |
| Samsung RF4461d-13A                          | 108                    | 237           | 2,768                  | 0.008           | 9                     | 203                 |
| Samsung MT6413-77A                           | 108                    | 172           | 2,005                  | 0.005           | 7                     | 147                 |
| Generic Mount Reinforcement                  | 108                    | 600           | 6,998                  | 0.019           | 24                    | 514                 |
| Commscope LNX-6514DS-VTM                     | 108                    | 116           | 1,358                  | 0.004           | 5                     | 100                 |
| Commscope JAHH-65B-R3B                       | 108                    | 364           | 4,241                  | 0.012           | 14                    | 311                 |
| Generic Round Low Profile Platform           | 108                    | 1,875         | 21,870                 | 0.059           | 75                    | 1,606               |
| <b>Totals:</b>                               |                        | <b>42,044</b> | <b>369,597</b>         | <b>1.000</b>    | <b>1,261</b>          | <b>36,010</b>       |

1.2D + 1.0Ev + 1.0Eh

Seismic

CALCULATED FORCES

| Seg Elev (ft) | Pu FY (-) (kips) | Vu FX (-) (kips) | Tu MY (ft-kips) | Mu MZ (fr-kips) | Mu Mx (ft-kips) | Resultant Moment (ft-kips) | Phi Pn (kips) | Phi Vn (kips) | Phi Tn (kips) | Phi Mn (kips) | Total Deflect (in) | Rotation (deg) | Ratio |
|---------------|------------------|------------------|-----------------|-----------------|-----------------|----------------------------|---------------|---------------|---------------|---------------|--------------------|----------------|-------|
| 0.00          | -50.23           | -1.27            | 0.00            | -169.33         | 0.00            | 169.33                     | 3,156.90      | 784.09        | 2,737         | 2,376.08      | 0.00               | 0.00           | 0.04  |
| 5.00          | -48.19           | -1.28            | 0.00            | -163.00         | 0.00            | 163.00                     | 3,114.09      | 767.49        | 2,622         | 2,293.74      | 0.01               | -0.01          | 0.04  |
| 10.00         | -47.18           | -1.29            | 0.00            | -156.61         | 0.00            | 156.61                     | 3,070.24      | 750.89        | 2,510         | 2,212.03      | 0.03               | -0.03          | 0.04  |
| 12.50         | -46.17           | -1.29            | 0.00            | -153.40         | 0.00            | 153.40                     | 3,047.93      | 742.59        | 2,455         | 2,171.42      | 0.04               | -0.03          | 0.04  |
| 12.50         | -46.17           | -1.29            | 0.00            | -153.40         | 0.00            | 153.40                     | 3,047.93      | 742.59        | 2,455         | 2,171.42      | 0.04               | -0.03          | 0.04  |
| 15.00         | -44.18           | -1.29            | 0.00            | -150.18         | 0.00            | 150.18                     | 3,025.35      | 734.29        | 2,401         | 2,131.00      | 0.06               | -0.04          | 0.04  |
| 20.00         | -42.20           | -1.30            | 0.00            | -143.70         | 0.00            | 143.70                     | 2,979.43      | 717.69        | 2,293         | 2,050.69      | 0.12               | -0.06          | 0.04  |
| 25.00         | -40.24           | -1.30            | 0.00            | -137.20         | 0.00            | 137.20                     | 2,932.46      | 701.09        | 2,188         | 1,971.17      | 0.18               | -0.07          | 0.04  |
| 30.00         | -40.06           | -1.31            | 0.00            | -130.68         | 0.00            | 130.68                     | 2,874.86      | 684.49        | 2,086         | 1,886.18      | 0.26               | -0.08          | 0.04  |
| 30.48         | -39.74           | -1.31            | 0.00            | -130.05         | 0.00            | 130.05                     | 2,868.16      | 682.90        | 2,076         | 1,877.36      | 0.27               | -0.08          | 0.04  |
| 30.48         | -39.74           | -1.31            | 0.00            | -130.05         | 0.00            | 130.05                     | 2,868.16      | 682.90        | 2,076         | 1,877.36      | 0.27               | -0.08          | 0.05  |
| 31.50         | -38.20           | -1.31            | 0.00            | -128.71         | 0.00            | 128.71                     | 2,853.94      | 679.51        | 2,056         | 1,858.68      | 0.29               | -0.09          | 0.05  |
| 35.00         | -37.90           | -1.31            | 0.00            | -124.14         | 0.00            | 124.14                     | 2,805.14      | 667.89        | 1,986         | 1,795.29      | 0.36               | -0.10          | 0.05  |
| 35.67         | -36.71           | -1.31            | 0.00            | -123.26         | 0.00            | 123.26                     | 2,247.90      | 566.87        | 1,717         | 1,468.42      | 0.37               | -0.10          | 0.05  |
| 40.00         | -35.34           | -1.31            | 0.00            | -117.58         | 0.00            | 117.58                     | 2,218.43      | 554.88        | 1,645         | 1,418.22      | 0.47               | -0.12          | 0.05  |
| 45.00         | -33.99           | -1.32            | 0.00            | -111.01         | 0.00            | 111.01                     | 2,183.45      | 541.05        | 1,564         | 1,360.71      | 0.61               | -0.14          | 0.05  |
| 50.00         | -32.66           | -1.31            | 0.00            | -104.43         | 0.00            | 104.43                     | 2,147.43      | 527.22        | 1,485         | 1,303.70      | 0.77               | -0.16          | 0.05  |
| 55.00         | -31.34           | -1.31            | 0.00            | -97.87          | 0.00            | 97.87                      | 2,110.37      | 513.38        | 1,408         | 1,247.24      | 0.96               | -0.19          | 0.05  |
| 60.00         | -30.04           | -1.30            | 0.00            | -91.32          | 0.00            | 91.32                      | 2,072.27      | 499.55        | 1,333         | 1,191.37      | 1.16               | -0.21          | 0.05  |
| 65.00         | -28.75           | -1.29            | 0.00            | -84.81          | 0.00            | 84.81                      | 2,033.13      | 485.71        | 1,260         | 1,136.15      | 1.39               | -0.23          | 0.04  |
| 70.00         | -27.54           | -1.28            | 0.00            | -78.35          | 0.00            | 78.35                      | 1,981.90      | 471.88        | 1,190         | 1,075.63      | 1.64               | -0.25          | 0.04  |
| 73.50         | -27.20           | -1.28            | 0.00            | -73.88          | 0.00            | 73.88                      | 1,473.88      | 377.71        | 953           | 802.19        | 1.83               | -0.26          | 0.05  |
| 75.00         | -26.05           | -1.26            | 0.00            | -71.97          | 0.00            | 71.97                      | 1,466.20      | 374.39        | 936           | 790.93        | 1.91               | -0.27          | 0.05  |
| 80.00         | -24.91           | -1.24            | 0.00            | -65.68          | 0.00            | 65.68                      | 1,439.92      | 363.32        | 881           | 753.58        | 2.20               | -0.29          | 0.04  |
| 85.00         | -23.78           | -1.22            | 0.00            | -59.48          | 0.00            | 59.48                      | 1,412.60      | 352.25        | 829           | 716.55        | 2.51               | -0.31          | 0.04  |
| 90.00         | -23.56           | -1.22            | 0.00            | -53.39          | 0.00            | 53.39                      | 1,384.24      | 341.19        | 777           | 679.88        | 2.85               | -0.33          | 0.04  |
| 91.00         | -22.58           | -1.19            | 0.00            | -52.17          | 0.00            | 52.17                      | 1,378.45      | 338.97        | 767           | 672.60        | 2.92               | -0.33          | 0.04  |

CALCULATED FORCES

| Seg Elev (ft) | Pu FY (-) (kips) | Vu FX (-) (kips) | Tu MY (ft-kips) | Mu MZ (fr-kips) | Mu Mx (ft-kips) | Resultant Moment (ft-kips) | Phi Pn (kips) | Phi Vn (kips) | Phi Tn (kips) | Phi Mn (kips) | Total Deflect (in) | Rotation (deg) | Ratio |
|---------------|------------------|------------------|-----------------|-----------------|-----------------|----------------------------|---------------|---------------|---------------|---------------|--------------------|----------------|-------|
| 91.00         | -22.58           | -1.19            | 0.00            | -52.17          | 0.00            | 52.17                      | 1,378.45      | 338.97        | 767           | 672.60        | 2.92               | -0.33          | 0.04  |
| 95.00         | -22.50           | -1.19            | 0.00            | -47.41          | 0.00            | 47.41                      | 1,354.85      | 330.12        | 728           | 643.64        | 3.20               | -0.35          | 0.04  |
| 95.33         | -21.46           | -1.16            | 0.00            | -47.01          | 0.00            | 47.01                      | 1,352.87      | 329.39        | 725           | 641.26        | 3.23               | -0.35          | 0.03  |
| 95.33         | -21.46           | -1.16            | 0.00            | -47.01          | 0.00            | 47.01                      | 1,352.87      | 329.39        | 725           | 641.26        | 3.23               | -0.35          | 0.03  |
| 100.00        | -20.46           | -1.13            | 0.00            | -41.59          | 0.00            | 41.59                      | 1,324.41      | 319.05        | 680           | 607.87        | 3.58               | -0.37          | 0.03  |
| 105.00        | -19.87           | -1.11            | 0.00            | -35.92          | 0.00            | 35.92                      | 1,292.93      | 307.98        | 633           | 572.61        | 3.97               | -0.38          | 0.02  |
| 108.00        | -14.81           | -0.92            | 0.00            | -32.58          | 0.00            | 32.58                      | 1,265.65      | 301.34        | 606           | 548.30        | 4.21               | -0.38          | 0.02  |
| 110.00        | -14.64           | -0.91            | 0.00            | -30.74          | 0.00            | 30.74                      | 1,247.06      | 296.92        | 589           | 532.22        | 4.37               | -0.39          | 0.02  |
| 110.00        | -14.64           | -0.91            | 0.00            | -30.74          | 0.00            | 30.74                      | 853.21        | 223.35        | 444           | 366.30        | 4.37               | -0.39          | 0.02  |
| 111.00        | -13.93           | -0.88            | 0.00            | -29.83          | 0.00            | 29.83                      | 849.64        | 221.69        | 438           | 362.04        | 4.45               | -0.39          | 0.02  |
| 115.00        | -13.70           | -0.88            | 0.00            | -26.29          | 0.00            | 26.29                      | 834.97        | 215.05        | 412           | 345.03        | 4.78               | -0.40          | 0.02  |
| 116.42        | -13.35           | -0.86            | 0.00            | -25.05          | 0.00            | 25.05                      | 829.60        | 212.69        | 403           | 339.02        | 4.90               | -0.40          | 0.02  |
| 116.42        | -13.35           | -0.86            | 0.00            | -25.05          | 0.00            | 25.05                      | 829.60        | 212.69        | 403           | 339.02        | 4.90               | -0.40          | 0.09  |
| 120.00        | -12.95           | -0.85            | 0.00            | -21.96          | 0.00            | 21.96                      | 815.69        | 206.75        | 381           | 323.94        | 5.21               | -0.41          | 0.08  |
| 125.00        | -12.59           | -0.84            | 0.00            | -17.72          | 0.00            | 17.72                      | 795.37        | 198.45        | 351           | 303.07        | 5.66               | -0.46          | 0.07  |
| 130.00        | -12.24           | -0.83            | 0.00            | -13.52          | 0.00            | 13.52                      | 774.01        | 190.15        | 322           | 282.47        | 6.17               | -0.50          | 0.06  |
| 135.00        | -11.90           | -0.82            | 0.00            | -9.37           | 0.00            | 9.37                       | 751.61        | 181.85        | 294           | 262.20        | 6.71               | -0.54          | 0.05  |
| 140.00        | -11.88           | -0.82            | 0.00            | -5.29           | 0.00            | 5.29                       | 728.17        | 173.55        | 268           | 242.30        | 7.29               | -0.57          | 0.04  |
| 140.30        | -11.65           | -0.80            | 0.00            | -5.05           | 0.00            | 5.05                       | 726.82        | 173.05        | 267           | 241.15        | 7.33               | -0.57          | 0.04  |
| 140.70        | -11.27           | -0.78            | 0.00            | -4.73           | 0.00            | 4.73                       | 724.03        | 172.39        | 265           | 239.30        | 7.38               | -0.57          | 0.04  |
| 142.00        | -8.17            | -0.58            | 0.00            | -3.72           | 0.00            | 3.72                       | 714.97        | 170.23        | 258           | 233.31        | 7.53               | -0.57          | 0.03  |
| 142.90        | -7.93            | -0.56            | 0.00            | -3.20           | 0.00            | 3.20                       | 708.69        | 168.74        | 254           | 229.21        | 7.64               | -0.58          | 0.03  |
| 143.10        | -7.66            | -0.54            | 0.00            | -3.09           | 0.00            | 3.09                       | 707.30        | 168.40        | 253           | 228.30        | 7.67               | -0.58          | 0.02  |
| 143.30        | -7.26            | -0.52            | 0.00            | -2.98           | 0.00            | 2.98                       | 705.90        | 168.07        | 252           | 227.40        | 7.69               | -0.58          | 0.02  |
| 143.50        | -6.97            | -0.50            | 0.00            | -2.88           | 0.00            | 2.88                       | 704.51        | 167.74        | 251           | 226.49        | 7.71               | -0.58          | 0.02  |
| 144.90        | -6.94            | -0.50            | 0.00            | -2.18           | 0.00            | 2.18                       | 694.75        | 165.42        | 244           | 220.22        | 7.88               | -0.58          | 0.02  |
| 145.00        | -6.93            | -0.49            | 0.00            | -2.13           | 0.00            | 2.13                       | 694.05        | 165.25        | 243           | 219.78        | 7.90               | -0.58          | 0.02  |
| 145.20        | -6.86            | -0.49            | 0.00            | -2.03           | 0.00            | 2.03                       | 692.66        | 164.92        | 242           | 218.89        | 7.92               | -0.58          | 0.02  |
| 145.40        | -6.73            | -0.48            | 0.00            | -1.93           | 0.00            | 1.93                       | 691.26        | 164.59        | 241           | 218.01        | 7.95               | -0.58          | 0.02  |
| 145.50        | -6.69            | -0.48            | 0.00            | -1.88           | 0.00            | 1.88                       | 690.57        | 164.42        | 241           | 217.57        | 7.96               | -0.58          | 0.02  |
| 145.60        | -6.63            | -0.47            | 0.00            | -1.84           | 0.00            | 1.84                       | 689.87        | 164.25        | 240           | 217.12        | 7.97               | -0.58          | 0.02  |
| 146.00        | -5.72            | -0.41            | 0.00            | -1.65           | 0.00            | 1.65                       | 687.08        | 163.59        | 238           | 215.36        | 8.02               | -0.58          | 0.02  |
| 150.00        | 0.00             | -0.35            | 0.00            | 0.00            | 0.00            | 0.00                       | 659.19        | 156.95        | 219           | 198.13        | 8.51               | -0.59          | 0.00  |

0.9D - 1.0Ev + 1.0Eh Seismic (Reduced DL)

CALCULATED FORCES

| Seg Elev (ft) | Pu FY (-) (kips) | Vu FX (-) (kips) | Tu MY (ft-kips) | Mu MZ (fr-kips) | Mu Mx (ft-kips) | Resultant Moment (ft-kips) | Phi Pn (kips) | Phi Vn (kips) | Phi Tn (kips) | Phi Mn (kips) | Total Deflect (in) | Rotation (deg) | Ratio |
|---------------|------------------|------------------|-----------------|-----------------|-----------------|----------------------------|---------------|---------------|---------------|---------------|--------------------|----------------|-------|
| 0.00          | -34.59           | -1.26            | 0.00            | -164.75         | 0.00            | 164.75                     | 3,156.90      | 784.09        | 2,737         | 2,376.08      | 0.00               | 0.00           | 0.04  |
| 5.00          | -33.19           | -1.27            | 0.00            | -158.43         | 0.00            | 158.43                     | 3,114.09      | 767.49        | 2,622         | 2,293.74      | 0.01               | -0.01          | 0.04  |
| 10.00         | -32.49           | -1.28            | 0.00            | -152.07         | 0.00            | 152.07                     | 3,070.24      | 750.89        | 2,510         | 2,212.03      | 0.03               | -0.03          | 0.04  |
| 12.50         | -31.80           | -1.28            | 0.00            | -148.88         | 0.00            | 148.88                     | 3,047.93      | 742.59        | 2,455         | 2,171.42      | 0.04               | -0.03          | 0.04  |
| 12.50         | -31.80           | -1.28            | 0.00            | -148.88         | 0.00            | 148.88                     | 3,047.93      | 742.59        | 2,455         | 2,171.42      | 0.04               | -0.03          | 0.04  |
| 15.00         | -30.43           | -1.28            | 0.00            | -145.68         | 0.00            | 145.68                     | 3,025.35      | 734.29        | 2,401         | 2,131.00      | 0.06               | -0.04          | 0.03  |
| 20.00         | -29.06           | -1.29            | 0.00            | -139.27         | 0.00            | 139.27                     | 2,979.43      | 717.69        | 2,293         | 2,050.69      | 0.11               | -0.05          | 0.03  |
| 25.00         | -27.72           | -1.29            | 0.00            | -132.84         | 0.00            | 132.84                     | 2,932.46      | 701.09        | 2,188         | 1,971.17      | 0.18               | -0.07          | 0.03  |
| 30.00         | -27.59           | -1.29            | 0.00            | -126.41         | 0.00            | 126.41                     | 2,874.86      | 684.49        | 2,086         | 1,886.18      | 0.25               | -0.08          | 0.03  |
| 30.48         | -27.37           | -1.29            | 0.00            | -125.79         | 0.00            | 125.79                     | 2,868.16      | 682.90        | 2,076         | 1,877.36      | 0.26               | -0.08          | 0.03  |
| 30.48         | -27.37           | -1.29            | 0.00            | -125.79         | 0.00            | 125.79                     | 2,868.16      | 682.90        | 2,076         | 1,877.36      | 0.26               | -0.08          | 0.05  |
| 31.50         | -26.31           | -1.29            | 0.00            | -124.47         | 0.00            | 124.47                     | 2,853.94      | 679.51        | 2,056         | 1,858.68      | 0.28               | -0.08          | 0.04  |
| 35.00         | -26.11           | -1.29            | 0.00            | -119.97         | 0.00            | 119.97                     | 2,805.14      | 667.89        | 1,986         | 1,795.29      | 0.35               | -0.10          | 0.04  |
| 35.67         | -25.28           | -1.29            | 0.00            | -119.11         | 0.00            | 119.11                     | 2,247.90      | 566.87        | 1,717         | 1,468.42      | 0.36               | -0.10          | 0.05  |
| 40.00         | -24.34           | -1.29            | 0.00            | -113.53         | 0.00            | 113.53                     | 2,218.43      | 554.88        | 1,645         | 1,418.22      | 0.46               | -0.12          | 0.05  |
| 45.00         | -23.41           | -1.28            | 0.00            | -107.09         | 0.00            | 107.09                     | 2,183.45      | 541.05        | 1,564         | 1,360.71      | 0.59               | -0.14          | 0.05  |
| 50.00         | -22.49           | -1.28            | 0.00            | -100.67         | 0.00            | 100.67                     | 2,147.43      | 527.22        | 1,485         | 1,303.70      | 0.75               | -0.16          | 0.05  |
| 55.00         | -21.58           | -1.27            | 0.00            | -94.26          | 0.00            | 94.26                      | 2,110.37      | 513.38        | 1,408         | 1,247.24      | 0.93               | -0.18          | 0.04  |
| 60.00         | -20.69           | -1.26            | 0.00            | -87.90          | 0.00            | 87.90                      | 2,072.27      | 499.55        | 1,333         | 1,191.37      | 1.13               | -0.20          | 0.04  |
| 65.00         | -19.80           | -1.25            | 0.00            | -81.58          | 0.00            | 81.58                      | 2,033.13      | 485.71        | 1,260         | 1,136.15      | 1.35               | -0.22          | 0.04  |
| 70.00         | -18.97           | -1.24            | 0.00            | -75.32          | 0.00            | 75.32                      | 1,981.90      | 471.88        | 1,190         | 1,075.63      | 1.59               | -0.24          | 0.04  |

CALCULATED FORCES

| Seg Elev<br>(ft) | Pu<br>FY (-)<br>(kips) | Vu<br>FX (-)<br>(kips) | Tu<br>MY<br>(ft-kips) | Mu<br>MZ<br>(fr-kips) | Mu<br>Mx<br>(ft-kips) | Resultant<br>Moment<br>(ft-kips) | Phi<br>Pn<br>(kips) | Phi<br>Vn<br>(kips) | Phi<br>Tn<br>(kips) | Phi<br>Mn<br>(kips) | Total<br>Deflect<br>(in) | Rotation<br>(deg) | Ratio |
|------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|---------------------|---------------------|---------------------|---------------------|--------------------------|-------------------|-------|
| 73.50            | -18.73                 | -1.23                  | 0.00                  | -70.99                | 0.00                  | 70.99                            | 1,473.88            | 377.71              | 953                 | 802.19              | 1.77                     | -0.25             | 0.04  |
| 75.00            | -17.94                 | -1.22                  | 0.00                  | -69.14                | 0.00                  | 69.14                            | 1,466.20            | 374.39              | 936                 | 790.93              | 1.85                     | -0.26             | 0.04  |
| 80.00            | -17.15                 | -1.20                  | 0.00                  | -63.07                | 0.00                  | 63.07                            | 1,439.92            | 363.32              | 881                 | 753.58              | 2.13                     | -0.28             | 0.04  |
| 85.00            | -16.38                 | -1.17                  | 0.00                  | -57.08                | 0.00                  | 57.08                            | 1,412.60            | 352.25              | 829                 | 716.55              | 2.43                     | -0.30             | 0.04  |
| 90.00            | -16.23                 | -1.17                  | 0.00                  | -51.21                | 0.00                  | 51.21                            | 1,384.24            | 341.19              | 777                 | 679.88              | 2.75                     | -0.32             | 0.03  |
| 91.00            | -15.55                 | -1.15                  | 0.00                  | -50.04                | 0.00                  | 50.04                            | 1,378.45            | 338.97              | 767                 | 672.60              | 2.82                     | -0.32             | 0.03  |
| 91.00            | -15.55                 | -1.15                  | 0.00                  | -50.04                | 0.00                  | 50.04                            | 1,378.45            | 338.97              | 767                 | 672.60              | 2.82                     | -0.32             | 0.03  |
| 95.00            | -15.49                 | -1.15                  | 0.00                  | -45.46                | 0.00                  | 45.46                            | 1,354.85            | 330.12              | 728                 | 643.64              | 3.10                     | -0.34             | 0.03  |
| 95.33            | -14.78                 | -1.12                  | 0.00                  | -45.08                | 0.00                  | 45.08                            | 1,352.87            | 329.39              | 725                 | 641.26              | 3.12                     | -0.34             | 0.03  |
| 95.33            | -14.78                 | -1.12                  | 0.00                  | -45.08                | 0.00                  | 45.08                            | 1,352.87            | 329.39              | 725                 | 641.26              | 3.12                     | -0.34             | 0.03  |
| 100.00           | -14.09                 | -1.09                  | 0.00                  | -39.86                | 0.00                  | 39.86                            | 1,324.41            | 319.05              | 680                 | 607.87              | 3.46                     | -0.35             | 0.02  |
| 105.00           | -13.69                 | -1.07                  | 0.00                  | -34.42                | 0.00                  | 34.42                            | 1,292.93            | 307.98              | 633                 | 572.61              | 3.83                     | -0.36             | 0.02  |
| 108.00           | -10.20                 | -0.89                  | 0.00                  | -31.21                | 0.00                  | 31.21                            | 1,265.65            | 301.34              | 606                 | 548.30              | 4.06                     | -0.37             | 0.02  |
| 110.00           | -10.08                 | -0.88                  | 0.00                  | -29.44                | 0.00                  | 29.44                            | 1,247.06            | 296.92              | 589                 | 532.22              | 4.22                     | -0.37             | 0.02  |
| 110.00           | -10.08                 | -0.88                  | 0.00                  | -29.44                | 0.00                  | 29.44                            | 853.21              | 223.35              | 444                 | 366.30              | 4.22                     | -0.37             | 0.02  |
| 111.00           | -9.60                  | -0.85                  | 0.00                  | -28.56                | 0.00                  | 28.56                            | 849.64              | 221.69              | 438                 | 362.04              | 4.30                     | -0.38             | 0.02  |
| 115.00           | -9.44                  | -0.84                  | 0.00                  | -25.15                | 0.00                  | 25.15                            | 834.97              | 215.05              | 412                 | 345.03              | 4.62                     | -0.39             | 0.02  |
| 116.42           | -9.19                  | -0.83                  | 0.00                  | -23.95                | 0.00                  | 23.95                            | 829.60              | 212.69              | 403                 | 339.02              | 4.73                     | -0.39             | 0.02  |
| 116.42           | -9.19                  | -0.83                  | 0.00                  | -23.95                | 0.00                  | 23.95                            | 829.60              | 212.69              | 403                 | 339.02              | 4.73                     | -0.39             | 0.08  |
| 120.00           | -8.92                  | -0.82                  | 0.00                  | -20.98                | 0.00                  | 20.98                            | 815.69              | 206.75              | 381                 | 323.94              | 5.03                     | -0.39             | 0.08  |
| 125.00           | -8.67                  | -0.80                  | 0.00                  | -16.90                | 0.00                  | 16.90                            | 795.37              | 198.45              | 351                 | 303.07              | 5.47                     | -0.44             | 0.07  |
| 130.00           | -8.43                  | -0.79                  | 0.00                  | -12.88                | 0.00                  | 12.88                            | 774.01              | 190.15              | 322                 | 282.47              | 5.95                     | -0.48             | 0.06  |
| 135.00           | -8.20                  | -0.78                  | 0.00                  | -8.92                 | 0.00                  | 8.92                             | 751.61              | 181.85              | 294                 | 262.20              | 6.48                     | -0.52             | 0.05  |
| 140.00           | -8.18                  | -0.78                  | 0.00                  | -5.04                 | 0.00                  | 5.04                             | 728.17              | 173.55              | 268                 | 242.30              | 7.04                     | -0.54             | 0.03  |
| 140.30           | -8.02                  | -0.76                  | 0.00                  | -4.81                 | 0.00                  | 4.81                             | 726.82              | 173.05              | 267                 | 241.15              | 7.07                     | -0.55             | 0.03  |
| 140.70           | -7.76                  | -0.74                  | 0.00                  | -4.50                 | 0.00                  | 4.50                             | 724.03              | 172.39              | 265                 | 239.30              | 7.12                     | -0.55             | 0.03  |
| 142.00           | -5.63                  | -0.55                  | 0.00                  | -3.54                 | 0.00                  | 3.54                             | 714.97              | 170.23              | 258                 | 233.31              | 7.26                     | -0.55             | 0.02  |
| 142.90           | -5.46                  | -0.53                  | 0.00                  | -3.05                 | 0.00                  | 3.05                             | 708.69              | 168.74              | 254                 | 229.21              | 7.37                     | -0.55             | 0.02  |
| 143.10           | -5.28                  | -0.52                  | 0.00                  | -2.94                 | 0.00                  | 2.94                             | 707.30              | 168.40              | 253                 | 228.30              | 7.39                     | -0.55             | 0.02  |
| 143.30           | -5.00                  | -0.49                  | 0.00                  | -2.84                 | 0.00                  | 2.84                             | 705.90              | 168.07              | 252                 | 227.40              | 7.42                     | -0.55             | 0.02  |
| 143.50           | -4.80                  | -0.47                  | 0.00                  | -2.74                 | 0.00                  | 2.74                             | 704.51              | 167.74              | 251                 | 226.49              | 7.44                     | -0.56             | 0.02  |
| 144.90           | -4.78                  | -0.47                  | 0.00                  | -2.07                 | 0.00                  | 2.07                             | 694.75              | 165.42              | 244                 | 220.22              | 7.60                     | -0.56             | 0.02  |
| 145.00           | -4.77                  | -0.47                  | 0.00                  | -2.03                 | 0.00                  | 2.03                             | 694.05              | 165.25              | 243                 | 219.78              | 7.61                     | -0.56             | 0.02  |
| 145.20           | -4.72                  | -0.47                  | 0.00                  | -1.93                 | 0.00                  | 1.93                             | 692.66              | 164.92              | 242                 | 218.89              | 7.64                     | -0.56             | 0.02  |
| 145.40           | -4.63                  | -0.46                  | 0.00                  | -1.84                 | 0.00                  | 1.84                             | 691.26              | 164.59              | 241                 | 218.01              | 7.66                     | -0.56             | 0.02  |
| 145.50           | -4.61                  | -0.46                  | 0.00                  | -1.79                 | 0.00                  | 1.79                             | 690.57              | 164.42              | 241                 | 217.57              | 7.67                     | -0.56             | 0.02  |
| 145.60           | -4.57                  | -0.45                  | 0.00                  | -1.75                 | 0.00                  | 1.75                             | 689.87              | 164.25              | 240                 | 217.12              | 7.68                     | -0.56             | 0.02  |
| 146.00           | -3.94                  | -0.39                  | 0.00                  | -1.57                 | 0.00                  | 1.57                             | 687.08              | 163.59              | 238                 | 215.36              | 7.73                     | -0.56             | 0.01  |
| 150.00           | 0.00                   | -0.35                  | 0.00                  | 0.00                  | 0.00                  | 0.00                             | 659.19              | 156.95              | 219                 | 198.13              | 8.20                     | -0.56             | 0.00  |

ANALYSIS SUMMARY

| Load Case            | Base Reactions  |                 |                 |                     |                     |                     | Max Usage |                   |
|----------------------|-----------------|-----------------|-----------------|---------------------|---------------------|---------------------|-----------|-------------------|
|                      | Shear FX (kips) | Shear FZ (kips) | Axial FY (kips) | Moment MX (ft-kips) | Moment MY (ft-kips) | Moment MZ (ft-kips) | Elev (ft) | Interaction Ratio |
| 1.2D + 1.0W          | 27.95           | 0.00            | 50.39           | 0.00                | 0.00                | 2931.34             | 116.42    | 0.96              |
| 0.9D + 1.0W          | 27.93           | 0.00            | 37.78           | 0.00                | 0.00                | 2873.57             | 116.42    | 0.92              |
| 1.2D + 1.0Di + 1.0Wi | 5.75            | 0.00            | 64.55           | 0.00                | 0.00                | 667.27              | 116.42    | 0.25              |
| 1.2D + 1.0Ev + 1.0Eh | 1.32            | 0.00            | 50.23           | 0.00                | 0.00                | 169.33              | 116.42    | 0.09              |
| 0.9D - 1.0Ev + 1.0Eh | 1.29            | 0.00            | 34.59           | 0.00                | 0.00                | 164.75              | 116.42    | 0.08              |
| 1.0D + 1.0W          | 6.58            | 0.00            | 42.04           | 0.00                | 0.00                | 682.53              | 116.42    | 0.23              |

ADDITIONAL STEEL SUMMARY

| Elev From (ft) | Elev To (ft) | Member                 | Intermediate Connectors |                      |              |        | Max Member |             |       |
|----------------|--------------|------------------------|-------------------------|----------------------|--------------|--------|------------|-------------|-------|
|                |              |                        | VQ/I (k/in)             | Shear Applied (kips) | phiVn (kips) | Ratio  | Pu (kip)   | phiPn (kip) | Ratio |
| 0.00           | 12.50        | SOL #20 All Thread Bar | 181.6                   | 6.7                  | 16.8         | 0.3998 | 222.1      | 319.1       |       |
| 0.00           | 30.48        | SOL #20 All Thread Bar | 192.5                   | 7.1                  | 16.8         | 0.4237 | 222.1      | 319.1       |       |
| 12.50          | 91.00        | SOL #20 All Thread Bar | 386.1                   | 11.6                 | 16.8         | 0.689  | 281.6      | 330.5       |       |
| 91.00          | 95.33        | SOL #20 All Thread Bar | 390.9                   | 7.0                  | 16.8         | 0.4186 | 180.4      | 345.0       |       |
| 95.33          | 116.42       | SOL #20 All Thread Bar | 421.6                   | 12.6                 | 16.8         | 0.7524 | 179.6      | 330.5       |       |

| Elev From (ft) | Elev To (ft) | Member                 | Upper Termination Connectors |              |                 |               |        | Lower Termination Connectors |             |                 |               |        |
|----------------|--------------|------------------------|------------------------------|--------------|-----------------|---------------|--------|------------------------------|-------------|-----------------|---------------|--------|
|                |              |                        | MQ/I (kips)                  | phiVn (kips) | Number Required | Number Actual | Ratio  | MQ/I (kips)                  | phiVn (kip) | Number Required | Number Actual | Ratio  |
| 0.00           | 12.50        | SOL #20 All Thread Bar | 0                            | 12           | 0               | 0             | 0.0000 | 0                            | 12          | 0               | 0             | 0.0000 |
| 0.00           | 30.48        | SOL #20 All Thread Bar | 191.5116                     | 12           | 16              | 20            | 0.7980 | 0                            | 12          | 0               | 0             | 0.0000 |
| 12.50          | 91.00        | SOL #20 All Thread Bar | 0                            | 25.27        | 0               | 12            | 0.0000 | 0                            | 25.27       | 0               | 0             | 0.0000 |
| 91.00          | 95.33        | SOL #20 All Thread Bar | 163.765                      | 12           | 14              | 16            | 0.8529 | 0                            | 12          | 0               | 0             | 0.0000 |
| 95.33          | 116.42       | SOL #20 All Thread Bar | 106.2547                     | 12           | 9               | 12            | 0.7379 | 176.6637                     | 12          | 15              | 16            | 0.9201 |

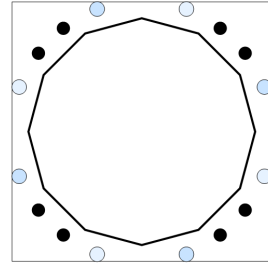
**BASE PLATE ANALYSIS @ 0 FT**

**APPLIED REACTIONS**

| Moment (k-ft) | Axial (k) | Shear (k) |
|---------------|-----------|-----------|
| 2931.34       | 50.39     | 27.95     |

**PLATE PARAMETERS (ID# 21798)**

|                     |            |     |
|---------------------|------------|-----|
| Width:              | 44         | in  |
| Shape:              | Square     |     |
| Thickness:          | 2.5        | in  |
| Grade:              | A633 Gr. E |     |
| Yield Strength:     | 60         | ksi |
| Tensile Strength:   | 80         | ksi |
| Clip Length:        | 0          | in  |
| Rod Detail Type:    | c          |     |
| Clear Distance:     | -          | in  |
| Base Weld Size:     | 0.125      | in  |
| Orientation Offset: | -          | °   |
| Analysis Type:      | Elastic    |     |
| Neutral Axis:       | 319        | °   |



**ANCHOR ROD PARAMETERS**

| Class               | Arrangement | Quantity | Diameter (in) | Circle (in) | Grade   | F <sub>y</sub> (ksi) | F <sub>u</sub> (ksi) | Spacing (in) | Offset (°) |
|---------------------|-------------|----------|---------------|-------------|---------|----------------------|----------------------|--------------|------------|
| Original [ID#22373] | Cluster     | 8        | 2.25          | 44          | A615-75 | 75                   | 100                  | 6            | -          |

**DYWIDAG BAR PARAMETERS**

| Quantity     | Bar Size | Bar Diameter (in) | F <sub>y</sub> (ksi) | F <sub>u</sub> (ksi) | Bracket Type | Bracket Offset (in) | Circle (in) | Offset (°) |
|--------------|----------|-------------------|----------------------|----------------------|--------------|---------------------|-------------|------------|
| 4 [ID# 1859] | #20      | 2.5               | 80                   | 100                  | Angle        | 2.19                | 44.26       | 70         |
| 4 [ID# 1860] | #20      | 2.5               | 80                   | 100                  | Angle        | 2.19                | 44.26       | 20         |

**COMPONENT PROPERTIES**

| Component     | ID                           | Gross Area (in <sup>2</sup> ) | Net Area (in <sup>2</sup> ) | Individual Inertia (in <sup>4</sup> ) | Moment of Inertia (in <sup>4</sup> ) | Threads/in |
|---------------|------------------------------|-------------------------------|-----------------------------|---------------------------------------|--------------------------------------|------------|
| Pole          | 37.375"ø x 0.375" (12 Sides) | 43.0934                       | -                           | -                                     | 7376.38                              | -          |
| Bolt Group    | Original (8) 2.25"ø          | 3.9761                        | 3.2477                      | 0.8393                                | 5566.40                              | 4.5        |
| Dywidag Group | (4) #20                      | 4.9087                        | 4.9087                      | 1.9175                                | 4814.56                              | -          |
| Dywidag Group | (4) #20                      | 4.9087                        | 4.9087                      | 1.9175                                | 4814.56                              | -          |

**REACTION DISTRIBUTION**

| Component     | ID                           | Moment M <sub>u</sub> (k-ft) | Axial Load P <sub>u</sub> (k) | Shear V <sub>u</sub> (k) | Moment Factor |
|---------------|------------------------------|------------------------------|-------------------------------|--------------------------|---------------|
| Pole          | 37.375"ø x 0.375" (12 Sides) | 1271.5                       | 50.39                         | 27.95                    | 0.434         |
| Bolt Group    | Original (8) 2.25"ø          | 1271.5                       | -                             | 27.95                    | 0.434         |
| Dywidag Group | (4) #20                      | 829.9                        | -                             | -                        | 0.283         |
| Dywidag Group | (4) #20                      | 829.9                        | -                             | -                        | 0.283         |

ASSET: 302482, North Haven CT 1  
 CUSTOMER: VERIZON WIRELESS

CODE: ANSI/TIA-222-H  
 PROJECT: 14568540

**BASE PLATE BEND LINE ANALYSIS @ 0 FT**

**POLE PROPERTIES**

Flat-to-Flat Diameter: 37.50 in  
 Point-to-Point Diameter: 38.82 in  
 Orientation Offset: - °

Flat Width: 10.048 in  
 Flat Radians: 0.524 rad

**PLATE PROPERTIES**

Neutral Axis: 319 °

| Bend Line | Chord Length (in) | Additional Length (in) | Section Modulus (in <sup>3</sup> ) | Applied Moment M <sub>u</sub> (k-in) | Moment Capacity ΦM <sub>n</sub> (k-in) | Flexure Result M <sub>u</sub> /ΦM <sub>n</sub> |   |
|-----------|-------------------|------------------------|------------------------------------|--------------------------------------|--|--|---|
| Flats     | 24.725            | 0.00                   | 38.633                             | 627.2                                | 2086.2                                 | 30.1%  | ✓ |
| Corners   | 23.403            | 0.00                   | 36.566                             | 382.8                                | 1974.6                                 | 19.4%  | ✓ |

**ELASTIC ANCHOR ROD ANALYSIS**

| Class    | Group Quantity | Rod Diameter (in) | Applied Axial Load P <sub>u</sub> (k) | Applied Shear Load V <sub>u</sub> (k) | Compressive Capacity ΦP <sub>n</sub> (k) | Compressive Result | Interaction Result |   |
|----------|----------------|-------------------|---------------------------------------|---------------------------------------|--|--------------------|--------------------|---|
| Original | 8              | 2.25              | 186.5                                 | 0.4                                   | 243.6                                    | 0.766              | 76.9%              | ✓ |

**DYWIDAG BAR ANALYSIS**

| Group Quantity | Bar Size | Bar Circle (in) | Applied Axial Load P <sub>u</sub> (k) | Compressive Capacity ΦP <sub>n</sub> (k) | Compressive Result P <sub>u</sub> / ΦP <sub>n</sub> |   |
|----------------|----------|-----------------|---------------------------------------|--|---|---|
| 4              | #20      | 44.26           | 213.3                                 | 368.2                                    | 57.9%   | ✓ |
| 4              | #20      | 44.26           | 213.3                                 | 368.2                                    | 57.9%   | ✓ |



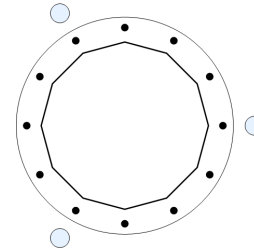
**UPPER FLANGE PLATE ANALYSIS @ 110 FT**

**APPLIED REACTIONS**

| Moment (k-ft) | Axial (k) | Shear (k) |
|---------------|-----------|-----------|
| 397.75        | 13.04     | 12.7      |

**PLATE PARAMETERS (ID# 21799)**

|                     |         |     |
|---------------------|---------|-----|
| Width:              | 28.5    | in  |
| Shape:              | Round   |     |
| Thickness:          | 1       | in  |
| Grade:              | A572-60 |     |
| Yield Strength:     | 60      | ksi |
| Tensile Strength:   | 75      | ksi |
| Base Weld Size:     | 0.125   | in  |
| Orientation Offset: | -       | °   |
| Analysis Type:      | Elastic |     |
| Neutral Axis:       | 142     | °   |



**FLANGE BOLT PARAMETERS**

| Class               | Arrangement | Quantity | Diameter (in) | Circle (in) | Grade | F <sub>y</sub> (ksi) | F <sub>u</sub> (ksi) | Spacing (in) | Offset (°) |
|---------------------|-------------|----------|---------------|-------------|-------|----------------------|----------------------|--------------|------------|
| Original [ID#22374] | Radial      | 12       | 1             | 25.75       | A325  | 92                   | 120                  | -            | -          |

**DYWIDAG BAR PARAMETERS**

| Quantity     | Bar Size | Bar Diameter (in) | F <sub>y</sub> (ksi) | F <sub>u</sub> (ksi) | Bracket Type | Bracket Offset (in) | Circle (in) | Offset (°) |
|--------------|----------|-------------------|----------------------|----------------------|--------------|---------------------|-------------|------------|
| 3 [ID# 1861] | #20      | 2.5               | 80                   | 100                  | W5x19        | 5.15                | 34.07       | -          |

**COMPONENT PROPERTIES**

| Component     | ID                             | Gross Area (in <sup>2</sup> ) | Net Area (in <sup>2</sup> ) | Individual Inertia (in <sup>4</sup> ) | Moment of Inertia (in <sup>4</sup> ) | Threads/in |
|---------------|--------------------------------|-------------------------------|-----------------------------|---------------------------------------|--------------------------------------|------------|
| Pole          | 21.2667"ø x 0.1875" (12 Sides) | 12.2753                       | -                           | -                                     | 681.94                               | -          |
| Bolt Group    | Original (12) 1"ø              | 0.7854                        | 0.6057                      | 0.0292                                | 545.75                               | 8.0        |
| Dywidag Group | (3) #20                        | 4.9087                        | 4.9087                      | 1.9175                                | 2142.05                              | -          |

**REACTION DISTRIBUTION**

| Component     | ID                             | Moment M <sub>u</sub> (k-ft) | Axial Load P <sub>u</sub> (k) | Shear V <sub>u</sub> (k) | Moment Factor |
|---------------|--------------------------------|------------------------------|-------------------------------|--------------------------|---------------|
| Pole          | 21.2667"ø x 0.1875" (12 Sides) | 96.0                         | 13.04                         | 12.70                    | 0.241         |
| Bolt Group    | Original (12) 1"ø              | 96.0                         | -                             | 12.70                    | 0.241         |
| Dywidag Group | (3) #20                        | 301.7                        | -                             | -                        | 0.759         |

ASSET: 302482, North Haven CT 1  
 CUSTOMER: VERIZON WIRELESS

CODE: ANSI/TIA-222-H  
 PROJECT: 14568540

**UPPER FLANGE PLATE BEND LINE ANALYSIS @ 110 FT**

**POLE PROPERTIES**

Flat-to-Flat Diameter: 21.39 in  
 Point-to-Point Diameter: 22.15 in  
 Orientation Offset: - °

Flat Width: 5.732 in  
 Flat Radians: 0.524 rad

**PLATE PROPERTIES**

Neutral Axis: 142 °  
 Bend Line Limits: 3.356 to 4.498 rad

| Bend Line       | Chord Length (in) | Additional Length (in) | Section Modulus (in <sup>3</sup> ) | Applied Moment M <sub>u</sub> (k-in) | Moment Capacity ΦM <sub>n</sub> (k-in) | Flexure Result M <sub>u</sub> /ΦM <sub>n</sub> |   |
|-----------------|-------------------|------------------------|------------------------------------|--------------------------------------|--|--|---|
| Flats           | 17.001            | 0.00                   | 4.250                              | 32.4                                 | 229.5                                  | 14.1%  | ✓ |
| Corners         | 16.006            | 0.00                   | 4.002                              | 20.9                                 | 216.1                                  | 9.7%   | ✓ |
| Circumferential | 21.078            | 0.00                   | 5.270                              | 36.0                                 | 284.6                                  | 12.6%  | ✓ |

**ELASTIC FLANGE BOLT ANALYSIS**

| Class    | Group Quantity | Bolt Diameter (in) | Applied Axial Load P <sub>u</sub> (k) | Applied Shear Load V <sub>u</sub> (k) | Compressive Capacity ΦP <sub>n</sub> (k) | Compressive Result | Interaction Result |   |
|----------|----------------|--------------------|---------------------------------------|---------------------------------------|--|--------------------|--------------------|---|
| Original | 12             | 1                  | 15.8                                  | 0.2                                   | 54.5                                     | 0.289              | 29.6%              | ✓ |

**DYWIDAG BAR ANALYSIS**

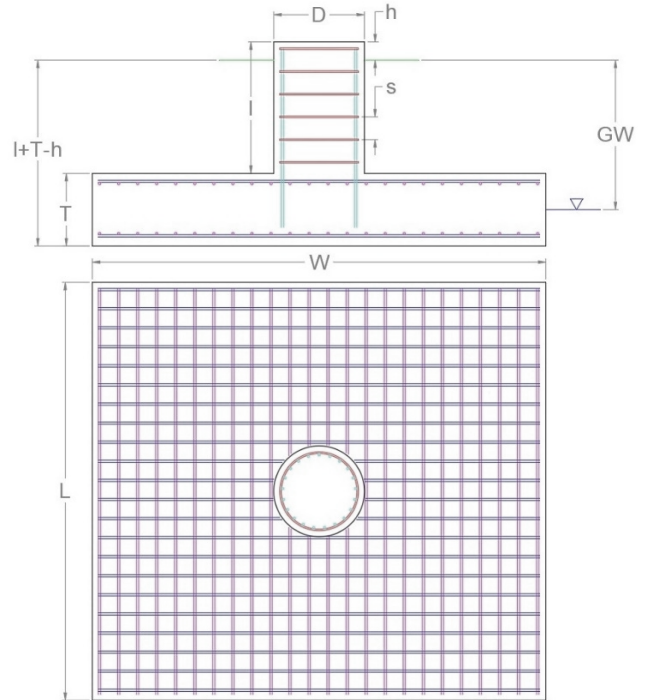
| Group Quantity | Bar Size | Bar Circle (in) | Applied Axial Load P <sub>u</sub> (k) | Compressive Capacity ΦP <sub>n</sub> (k) | Compressive Result P <sub>u</sub> / ΦP <sub>n</sub> |   |
|----------------|----------|-----------------|---------------------------------------|--|---|---|
| 3              | #20      | 34.07           | 143.2                                 | 368.2                                    | 38.9%   | ✓ |

**APPLIED GLOBAL REACTIONS**

| Moment (k-ft) | Axial (k) | Shear (k) |
|---------------|-----------|-----------|
| 2,931.34      | 50.39     | 27.95     |

**FOUNDATION PARAMETERS**

|                                |       |                              |     |
|--------------------------------|-------|------------------------------|-----|
| Mat Length:                    | L     | 22                           | ft  |
| Mat Width:                     | W     | 18                           | ft  |
| Mat Thickness:                 | T     | 3                            | ft  |
| Base Depth:                    | L+T-h | 8                            | ft  |
| Pier Shape:                    |       | Square                       |     |
| Pier Width:                    | D     | 6                            | ft  |
| Pier Height above Grade:       | h     | 0.5                          | ft  |
| Concrete Compressive Strength: |       | 3,000                        | psi |
| Mat Top Rebar:                 |       | (36) #5 bars [60 ksi]        |     |
| Mat Bottom Rebar:              |       | (36) #10 bars [60 ksi]       |     |
| Pier Vertical Rebar:           |       | (52) #11 bars [60 ksi]       |     |
| Pier Rebar Ties:               | s     | #4 bars @ 12.0" c/c [60 ksi] |     |
| Rebar Clear Cover:             |       | 3.0                          | in  |
| Tower Eccentricity:            | ecc   | 0                            | ft  |
| Tower Leg Count                |       | 1                            |     |



**SOIL PARAMETERS**

|                                |    |       |     |
|--------------------------------|----|-------|-----|
| Water Table Depth [BGL]:       | GW | 7     | ft  |
| Soil Unit Weight:              |    | 116   | pcf |
| Ultimate Skin Friction:        |    | 701   | psf |
| Ultimate Bearing Pressure:     |    | 9,066 | psf |
| Bearing Pressure Type:         |    | Gross |     |
| Coefficient of Shear Friction: |    | 0.45  |     |

**SOIL STRENGTH ANALYSIS**

| Soil Strength Reduction Factor, $\Phi_s$ | Uplift Strength Reduction Factor, $\Phi_s$ | Asset Dead Load Factor | Dead Load Factor |
|--|--|------------------------|------------------|
| 0.75                                     | 0.75                                       | 0.9                    | 1.2              |

**SOIL OVERTURNING ANALYSIS**

| Design Moment, $M_{u,Design}$ (k-ft) | Nominal Overturning Capacity, $\Phi_m M_n$ (k-ft) | Soil Overturning Usage, $M_{u,Design} / \Phi_m M_n$ |
|--------------------------------------|---|---|
| 3,168.92                             | 3,878.25  | 81.7% <span style="float: right;">✔</span>          |

**SOIL BEARING ANALYSIS**

| Net Bearing Pressure, $P_{u,Net}$ (psf) | Nominal Bearing Capacity, $\Phi_b P_n$ (k-ft) | Bearing Pressure Controlling Load Direction | Soil Bearing Usage, $P_{u,net} / \Phi_b P_n$ |
|---|---|---|--|
| 4,811.00                                | 6,800.00                                      | Parallel to Pad Edge                        | 70.8% <span style="float: right;">✔</span>   |

**SOIL SLIDING SHEAR ANALYSIS**

| Applied Shear Force, $V_u$ (k) | Friction Resistance (k) | Passive Pressure (psf) | Passive Pressure Resistance (k) | Nominal Shear Capacity, $\Phi_s V_n$ (k) | Soil Sliding Shear Usage, $V_u / \Phi_s V_n$ |
|--------------------------------|-------------------------|------------------------|---------------------------------|--|--|
| 27.95                          | 168.24                  | 754.0                  | 49.76                           | 183.79                                   | 15.0% <span style="float: right;">✔</span>   |

**MAT REINFORCING STEEL STRENGTH ANALYSIS**

| Steel Elastic Modulus, E (ksi) | Strength Bending/Tension Reduction Factor, $\Phi_b$ | Strength Shear Reduction Factor, $\Phi_v$ | Strength Compression Reduction Factor, $\Phi_c$ |
|--------------------------------|---|---|---|
| 29,000                         | 0.9   | 0.75                                      | 0.65  |

**MAT REINFORCING ONE WAY SHEAR ANALYSIS**

| One Way Design Shear, $V_u$ (k) | Nominal One Way Shear Capacity, $\Phi_c V_n$ (k) | One Way Shear Controlling Load Direction | Mat One Way Shear Usage, $V_u / \Phi_c V_n$ |
|---------------------------------|--|--|---|
| 283.63                          | 688.65   | Parallel to Pad Edge                     | 41.2%                                       |

**MAT REINFORCING PUNCHING SHEAR ANALYSIS**

| Punching Shear Design Stress, $v_u$ (psi) | Nominal Punching Shear Capacity, $\Phi_c v_n$ (psi) | Mat Punching Shear Usage, $v_u / \Phi_c v_n$ |
|---|---|--|
| 37.9                                      | 164.3   | 23.1%  |

**MAT REINFORCING MOMENT TRANSFER ANALYSIS**

| Moment Transfer Effective Flexural Width, $w_t$ (in) | Neutral Axis Depth (in) | Pier Moment at Joint, $M_{ut}$ (k-in) | Nominal Moment Transfer Capacity, $\Phi M_{sc,f}$ (k-in) | Mat Moment Transfer Usage, $0.6 M_{ut} / \Phi M_{sc,f}$ |
|--|-------------------------|---------------------------------------|--|---|
| 15.00  | 4.23                    | 0.00                                  | 52,335.0   | 0.0%  |

**MAT REINFORCING FLEXURE ANALYSIS – UPPER STEEL**

| Factored Moment, $M_u$ (k-ft) | Nominal Flexural Capacity, $\Phi M_n$ (k-ft) | Flexural Steel Controlling Load Direction | Mat Upper Rebar Flexure Usage, $M_u / \Phi M_n$ |
|-------------------------------|--|---|---|
| 383.17                        | 1,573.26                                     | Parallel to Pad Edge                      | 24.4%   |

**MAT REINFORCING FLEXURE ANALYSIS – LOWER STEEL**

| Factored Moment, $M_u$ (k-ft) | Nominal Flexural Capacity, $\Phi M_n$ (k-ft) | Flexural Steel Controlling Load Direction | Mat Lower Rebar Flexure Usage, $M_u / \Phi M_n$ |
|-------------------------------|--|---|---|
| 1,574.60                      | 6,175.94                                     | Parallel to Pad Edge                      | 25.5%   |

**PIER REINFORCING STEEL STRENGTH ANALYSIS**

| Rebar Cage Diameter (in) | Steel Elastic Modulus, E (ksi) | Strength Bending/Tension Reduction Factor, $\Phi_b$ | Strength Shear Reduction Factor, $\Phi_v$ | Strength Compression Reduction Factor, $\Phi_c$ |
|--------------------------|--------------------------------|---|---|---|
| 63.62                    | 29,000                         | 0.9   | 0.75                                      | 0.65  |

**PIER REINFORCING MOMENT ANALYSIS**

| Design Moment, $M_u$ (k-ft) | Nominal Moment Capacity, $\Phi_u M_n$ (k-ft) | Bending Reinforcement Ratio | Pier Rebar Flexure Usage, $M_u / \Phi_u M_n$ |
|-----------------------------|--|-----------------------------|--|
| 3,085.06                    | 11,356.30                                    | 0.016                       | 27.2%  |

**PIER REINFORCING COMPRESSION ANALYSIS**

| Design Compression, $P_u$ (k) | Nominal Compressive Capacity, $\Phi_p P_n$ (k) | Pier Rebar Compressive Usage, $P_u / \Phi_p P_n$ |
|-------------------------------|--|--|
| 50.39                         | 6,815.09                                       | 0.7%   |

**PIER REINFORCING SHEAR ANALYSIS**

| Design Shear, $V_u$ (k) | Nominal Shear Capacity, $\Phi_v V_n$ (k) | Pier Rebar Shear Usage, $V_u / \Phi_v V_n$ |
|-------------------------|--|--|
| 27.95                   | 514.38                                   | 5.4%                                       |

# EXHIBIT 4



Colliers Engineering & Design, Architecture,  
Landscape Architecture, Surveying, CT P.C.  
1055 Washington Boulevard  
Stamford, CT 06901  
203.324.0800  
peter.albano@collierseng.com

## New/Replacement Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis-VZW

SMART Tool Project #: 10214025  
Colliers Engineering & Design Project #: 21777439 (Rev1)

November 16, 2023

### Site Information

Site ID: 5000216413-VZW / NORTH HAVEN 2 CT  
Site Name: NORTH HAVEN 2 CT  
Carrier Name: Verizon Wireless  
Address: 15 Dwight St  
North Haven, Connecticut 06473  
New Haven County  
Latitude: 41.420792°  
Longitude: -72.848803°

### Structure Information

Tower Type: 150-Ft Monopole  
Mount Type: 12.50-Ft Platform

**FUZE ID # 16227596**

### Analysis Results

Platform: **57.8% Pass w/ Mount Replacement\***  
(1) Site Pro 1 RMQP w/ HRK12

**\*Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.**

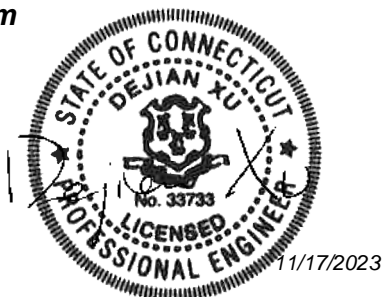
### \*\*\*Contractor PMI Requirements:

**Included at the end of this MA report**

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

**For additional questions and support, please reach out to:  
[pmisupport@colliersengineering.com](mailto:pmisupport@colliersengineering.com)**

Report Prepared By: Vincent DiGirolamo



## **Executive Summary:**

The objective of this report is to determine the capacity of the proposed antenna support mount at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards. The proposed mount was assumed to be installed properly to the existing tower per the manufacturer's instructions. Colliers Engineering & Design cannot verify that the proposed mount will fit properly and is not liable for any fit-up issues during installation.

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: 674996<br>Dated November 1, 2023 |
| Mount Specification Sheet         | Site Pro 1 Part #: RMQP-496 & HRK12                    |

## **Analysis Criteria:**

|                         |   |
|-------------------------|---|
| Codes and Standards:    | ANSI/TIA-222-H<br>2022 Connecticut State Building code (CSBS), Effective October 1, 2022  |
| Wind Parameters:        | Basic Wind Speed (Ultimate 3-sec. Gust), $V_{ULT}$ : 120 mph<br>Ice Wind Speed (3-sec. Gust): 50 mph<br>Design Ice Thickness: 1.00 in<br>Risk Category: II<br>Exposure Category: C<br>Topographic Category: 1<br>Topographic Feature Considered: N/A<br>Topographic Method: N/A<br>Ground Elevation Factor, $K_e$ : 0.999 |
| Seismic Parameters:     | $S_s$ : 0.204 g<br>$S_1$ : 0.054 g  |
| Maintenance Parameters: | Wind Speed (3-sec. Gust): 30 mph<br>Maintenance Live Load, $L_v$ : 250 lbs.<br>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   |
|----------------------|--------------------------|----------|--------------|----------------|----------|
| 106.50               | 108.00                   | 6        | Commscope    | JAHH-65B-R3B   | Retained |
|                      |                          | 3        | Andrew       | LNx-6514DS-VTM |          |
|                      |                          | 1        | Raycap       | OVP-12         |          |
|                      |                          | 3        | Samsung      | MT6413-77A     | Added    |
|                      |                          | 3        | Samsung      | XXDWMM-12.5-65 |          |
|                      |                          | 3        | Commscope    | CBC78T-DS-43   |          |
|                      |                          | 3        | Samsung      | RF4439d-25A    |          |
|                      |                          | 3        | Samsung      | RF4461d-13A    |          |

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

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

**Standard Conditions:**

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design 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 Colliers Engineering & Design 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.
3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, 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. Colliers Engineering & Design is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.



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

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Colliers Engineering & Design.

**Analysis Results:**

| Component                   | Utilization % | Pass/Fail   |
|-----------------------------|---------------|-------------|
| <i>Face Horizontal</i>      | 18.9          | <i>Pass</i> |
| <i>Standoff Horizontal</i>  | 39.1          | <i>Pass</i> |
| <i>Corner Plate</i>         | 19.3          | <i>Pass</i> |
| <i>Platform Crossmember</i> | 17.5          | <i>Pass</i> |
| <i>Grating Support</i>      | 16.1          | <i>Pass</i> |
| <i>Mount Pipe</i>           | 57.8          | <i>Pass</i> |
| <i>Cross Arm Plate</i>      | 34.8          | <i>Pass</i> |
| <i>Support Rail</i>         | 44.8          | <i>Pass</i> |
| <i>Support Rail Brace</i>   | 51.1          | <i>Pass</i> |
| <i>Mount Connection</i>     | 42.2          | <i>Pass</i> |

|   |              |
|---|--------------|
| <b>Structure Rating – (Controlling Utilization of all Components)</b> | <b>57.8%</b> |
|---|--------------|

**Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:**

| Ice Thickness (In) | Mount Pipes Excluded   |                       | Mount Pipes Included   |                       |
|--------------------|------------------------|-----------------------|------------------------|-----------------------|
|                    | Front (EPA)a (Sq. Ft.) | Side (EPA)a (Sq. Ft.) | Front (EPA)a (Sq. Ft.) | Side (EPA)a (Sq. Ft.) |
| 0                  | 22.7                   | 22.7                  | 39.8                   | 39.8                  |
| 0.5                | 29.9                   | 29.9                  | 54.2                   | 54.2                  |
| 1                  | 36.6                   | 36.6                  | 68.1                   | 68.1                  |

Notes:

- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 3 sector(s).
- Ka factors included in (EPA)a calculations

## **Requirements:**

The proposed antenna mount is **SUFFICIENT** for the final loading configuration (attachment 2) upon completion of the mount replacement (attachment 3) and requirements below.

Contractor shall remove existing mount and associated hardware. Contractor shall restore any degradation in galvanization on tower due to removed mount and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote).

Contractor shall install the proposed Site Pro 1 Part #: RMQP-496 and Site Pro 1 Part #: HRK12 in accordance with manufacturer specifications and the Mount Replacement Sketch. Contact EOR if these documents are not available.

Contractor shall install the Site Pro 1 Part #: HRK12 Kit 36" above the face horizontals.

Contractor to install one (1) OVP pipe mount, 36" long, P2 SCH 40 on the standoff horizontal located between the Beta and Gamma Sectors. Connect to proposed standoff horizontal at 6" from standoff end closest to tower using VZWSMART-MSK6 crossover plate. Pipe to be cantilevered 1'-6" above the standoff horizontal. OVP to be installed 1'-0" below the top of the proposed OVP pipe.

Contractor shall inspect climbing facilities and safety climb, if present, and ensure they are in good condition. Contractor shall install safety climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection steel. Wire brush clean any observed corrosion and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote). Contractor shall provide photos of wire rope guide installation as part of PMI documents. Contact EOR if additional guidance is required.

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. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
2. Antenna Placement Diagrams
3. Mount Manufacturer Drawings
4. Existing Mount Photos
5. Analysis Calculations

# Mount Desktop – Post Modification Inspection (PMI) Report Requirements

## Documents & Photos Required from Contractor – **New Mount Passing MA**

Electronic pdf version of this can be downloaded at <https://pmi.vzwsmart.com>

For additional questions and support, please reach out to [pmisupport@colliersengineering.com](mailto:pmisupport@colliersengineering.com)

---

MDG #: 5000216413

SMART Project #: 10214025

Fuze Project ID: 16227596

**Purpose** – to provide SMART Tool structural vendor the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

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

### **Base Requirements:**

- If installation will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide “as built mount drawings” showing contractor’s name, contact information, preparer’s signature, and date. Any deviations from the drawings (Proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo should be time and date stamped.
- Photos should be high resolution.
- 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. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: <https://pmi.vzwsmart.com>

### **Photo Requirements:**

- Photos taken at ground level
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation.
  - Photos of the mount after installation; if the mounts are at different rad elevations, pictures must be provided for all elevations that equipment was installed.
- Photos taken at Mount Elevation
  - Photos showing the safety climb wire rope above and below the mount prior to installation.
  - Photos showing the climbing facility and safety climb if present.
  - Photos showing each individual sector after installation of mounts. Each entire sector shall be in one photo to show the interconnection of members.

- These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.
- Photos of each installed mount; pictures shall also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
- Photos showing the installed mount elevation.

**Antenna & Equipment Placement and Geometry Confirmation:**

- The contractor shall certify that the antenna & equipment placement and geometry is in accordance with the sketch and table as included in the mount analysis and noted below.
- The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

- The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.

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

**Issue:**

Contractor shall remove existing mount and associated hardware. Contractor shall restore any degradation in galvanization on tower due to removed mount and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote).

Contractor shall install the proposed Site Pro 1 Part #: RMQP-496 and Site Pro 1 Part #: HRK12 in accordance with manufacturer specifications and the Mount Replacement Sketch. Contact EOR if these documents are not available.

Contractor shall install the Site Pro 1 Part #: HRK12 Kit 36" above the face horizontals.

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Contractor shall inspect climbing facilities and safety climb, if present, and ensure they are in good condition. Contractor shall install safety climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection steel. Wire brush clean any observed corrosion and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote). Contractor shall provide photos of wire rope guide installation as part of PMI documents. Contact EOR if additional guidance is required.

**Response:**

|  |
|--|
|  |
|--|

**Special Instruction Confirmation:**

The contractor has read and acknowledges the above special instructions.

**Contractor certifies that the climbing facility / safety climb was not damaged prior to starting work:**

Yes       No

**Contractor certifies no new damage created during the current installation:**

Yes       No

**Contractor to certify the condition of the safety climb and verify no damage when leaving the site:**

Safety Climb in Good Condition       Safety Climb Damaged

**Comments:**

|  |
|--|
|  |
|--|

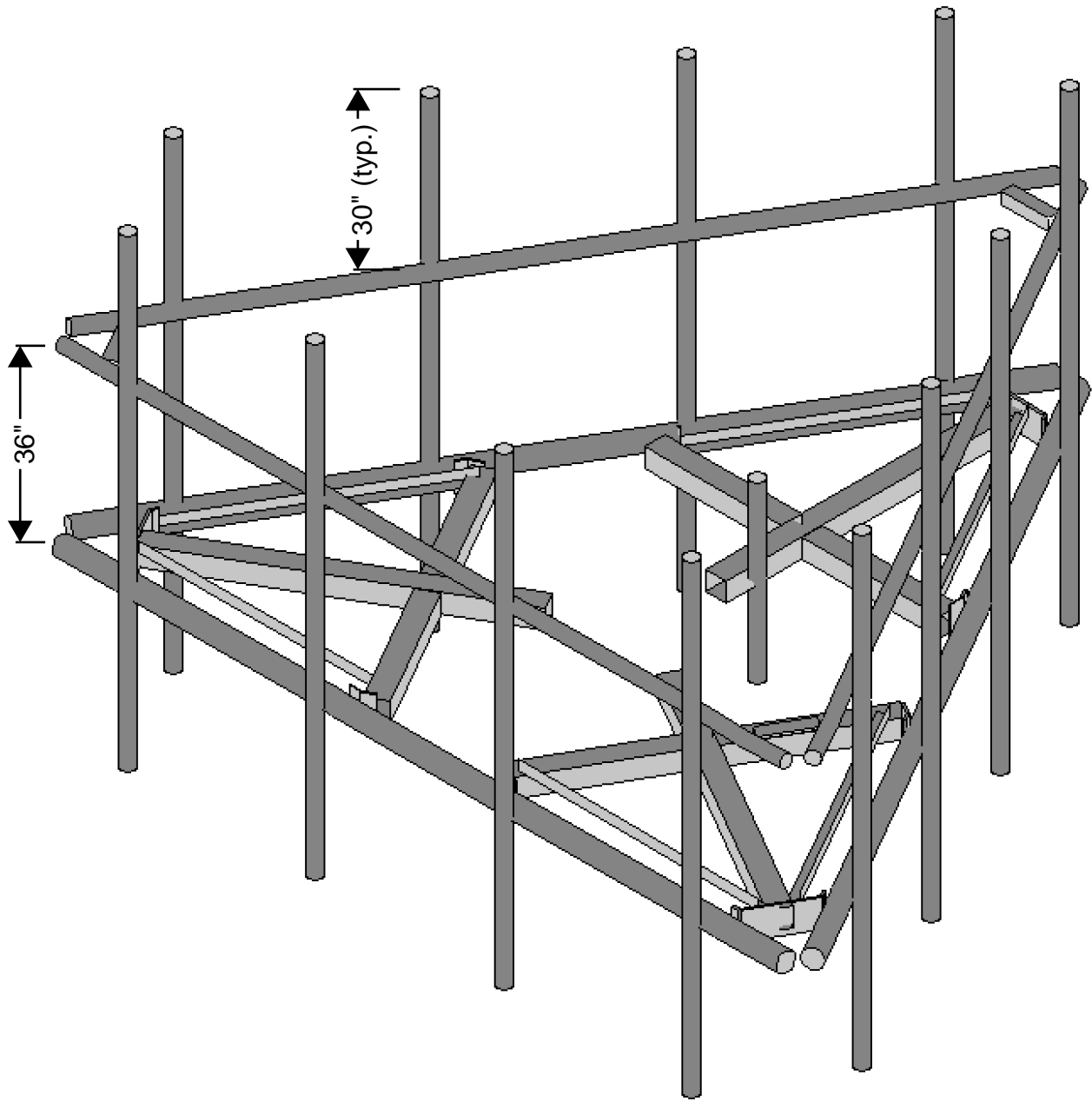
**New Mount Certification:**

- The contractor certifies that the New Mount installed is as specified in the Passing Mount Analysis.
- The contractor notes that the New Mount installed is not as specified and engineering approval was received for the New Mount installed.

**Certifying Individual:**

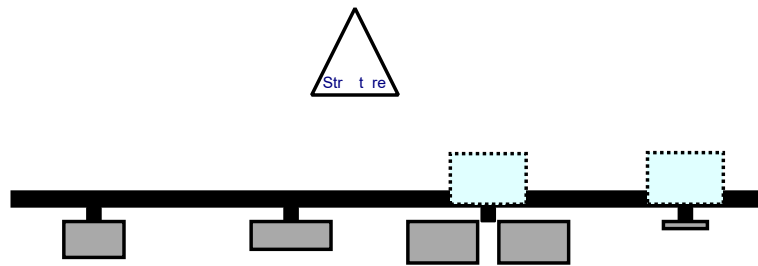
|                |  |
|----------------|--|
| Company:       |  |
| Employee Name: |  |
| Contact Phone: |  |
| Email:         |  |
| Date:          |  |

# MOUNT REPLACEMENT SKETCH

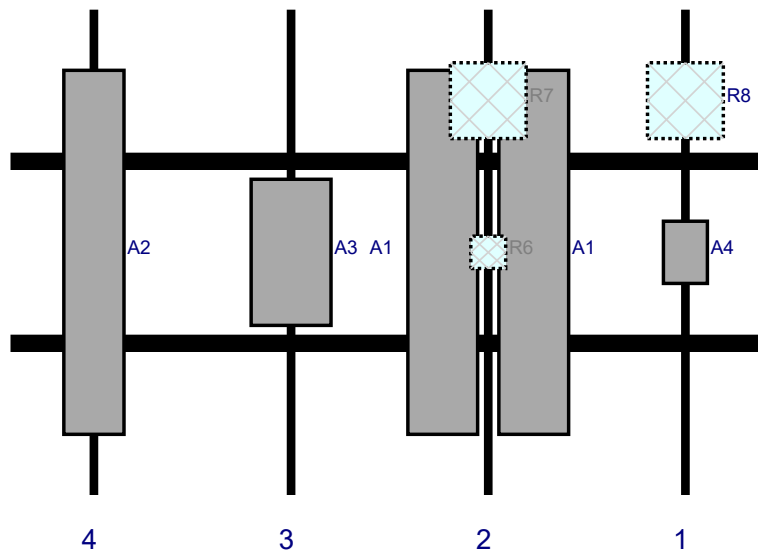


MOUNT ISOMETRIC VIEW  
N.T.S

Plan View

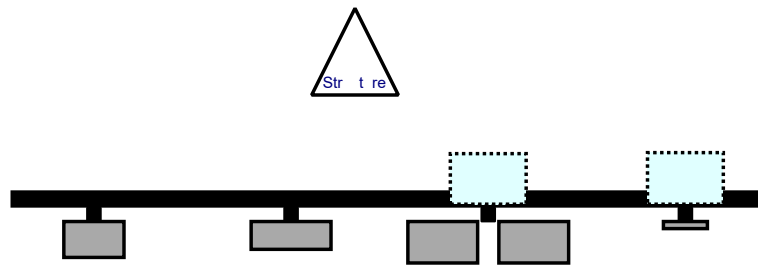


Front View - Looking at Structure

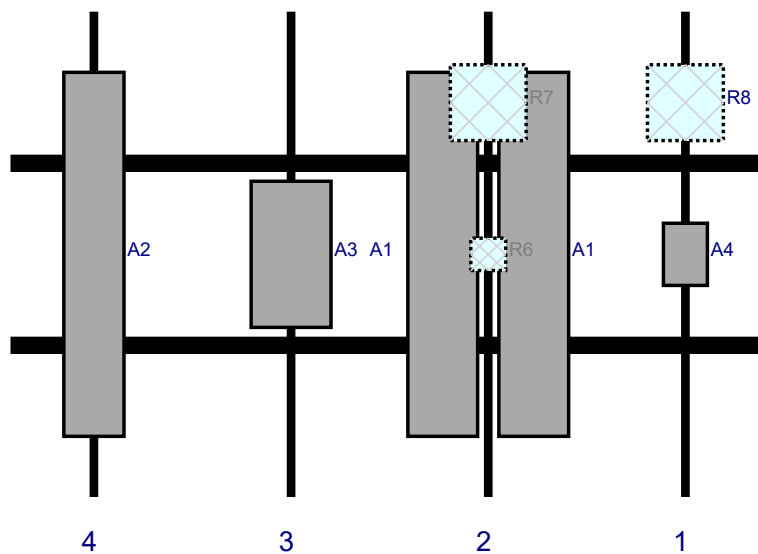


| Re # | Model            | Height (i) | Width (i) | H Dist Fr L. | Pipe # | Pipe Pos V | A t Pos | C. A t Fr T. | A t HO | St t s   | V lid tio |
|------|------------------|------------|-----------|--------------|--------|------------|---------|--------------|--------|----------|-----------|
| A4   | XXDWMM-12.5-65   | 12.3       | 8.7       | 133.5        | 1      |            | Fro t   | 48           | 0      | Added    |           |
| R8   | RF4461d-13A      | 15         | 15        | 133.5        | 1      |            | Behi d  | 18           | 0      | Added    |           |
| A1   | JAHH-65B-R3B     | 72         | 13.8      | 94.5         | 2      |            | Fro t   | 48           | 9      | Ret i ed |           |
| A1   | JAHH-65B-R3B     | 72         | 13.8      | 94.5         | 2      |            | Fro t   | 48           | -9     | Ret i ed |           |
| R6   | CBC78T-DS-43     | 6.4        | 6.9       | 94.5         | 2      |            | Behi d  | 48           | 0      | Added    |           |
| R7   | RF4439d-25A      | 15         | 15        | 94.5         | 2      |            | Behi d  | 18           | 0      | Added    |           |
| A3   | MT6413-77A       | 28.9       | 15.8      | 55.5         | 3      |            | Fro t   | 48           | 0      | Added    |           |
| A2   | LNx-6514DS-VTM   | 72         | 11.9      | 16.5         | 4      |            | Fro t   | 48           | 0      | Ret i ed |           |
| OVP1 | RVZDC-6627-PF-48 | 29.5       | 16.5      |              |        | Me er      |         |              |        | Ret i ed |           |

Plan View



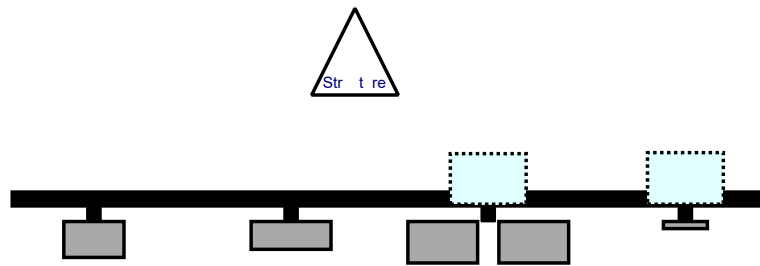
Front View - Looking at Structure



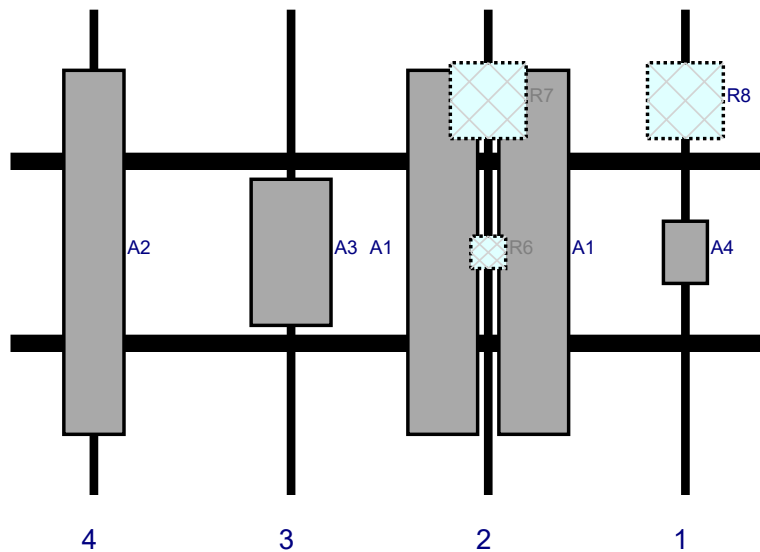
| Re # | Model          | Height (i) | Width (i) | H Dist Fr L. | Pipe # | Pipe Pos V | A t Pos | C. A t Fr T. | A t H O | St t s   | V lid tio |
|------|----------------|------------|-----------|--------------|--------|------------|---------|--------------|---------|----------|-----------|
| A4   | XXDWMM-12.5-65 | 12.3       | 8.7       | 133.5        | 1      |            | Fro t   | 48           | 0       | Added    |           |
| R8   | RF4461d-13A    | 15         | 15        | 133.5        | 1      |            | Behi d  | 18           | 0       | Added    |           |
| A1   | JAHH-65B-R3B   | 72         | 13.8      | 94.5         | 2      |            | Fro t   | 48           | 9       | Ret i ed |           |
| A1   | JAHH-65B-R3B   | 72         | 13.8      | 94.5         | 2      |            | Fro t   | 48           | -9      | Ret i ed |           |
| R6   | CBC78T-DS-43   | 6.4        | 6.9       | 94.5         | 2      |            | Behi d  | 48           | 0       | Added    |           |
| R7   | RF4439d-25A    | 15         | 15        | 94.5         | 2      |            | Behi d  | 18           | 0       | Added    |           |
| A3   | MT6413-77A     | 28.9       | 15.8      | 55.5         | 3      |            | Fro t   | 48           | 0       | Added    |           |
| A2   | LNx-6514DS-VTM | 72         | 11.9      | 16.5         | 4      |            | Fro t   | 48           | 0       | Ret i ed |           |



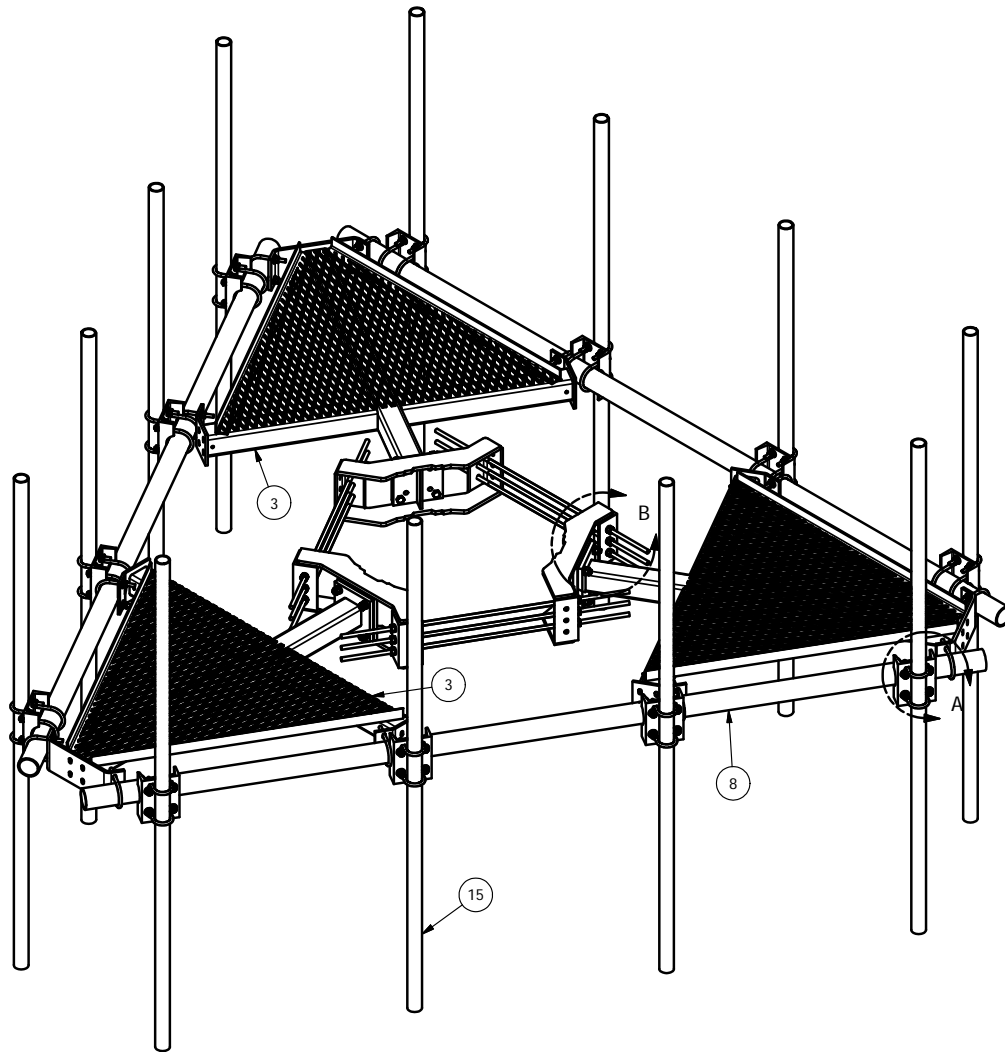
Plan View



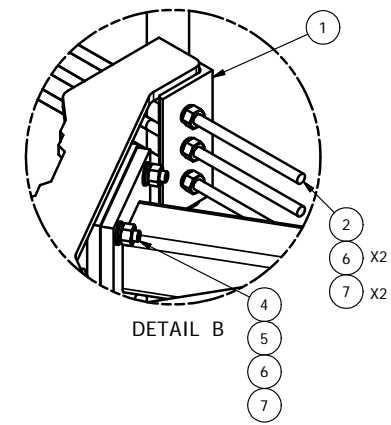
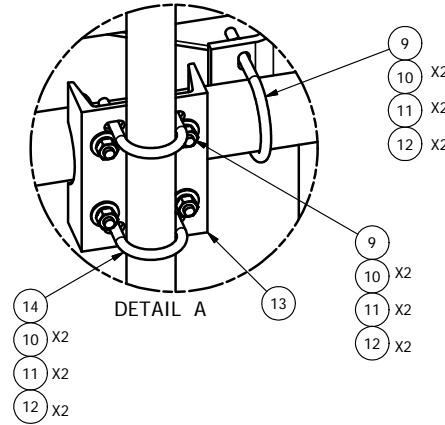
Front View - Looking at Structure



| Re # | Model          | Height (i) | Width (i) | H Dist Fr L. | Pipe # | Pipe Pos V | A t Pos | C. A t Fr T. | A t H O | St t s   | V lid tio |
|------|----------------|------------|-----------|--------------|--------|------------|---------|--------------|---------|----------|-----------|
| A4   | XXDWMM-12.5-65 | 12.3       | 8.7       | 133.5        | 1      |            | Fro t   | 48           | 0       | Added    |           |
| R8   | RF4461d-13A    | 15         | 15        | 133.5        | 1      |            | Behi d  | 18           | 0       | Added    |           |
| A1   | JAHH-65B-R3B   | 72         | 13.8      | 94.5         | 2      |            | Fro t   | 48           | 9       | Ret i ed |           |
| A1   | JAHH-65B-R3B   | 72         | 13.8      | 94.5         | 2      |            | Fro t   | 48           | -9      | Ret i ed |           |
| R6   | CBC78T-DS-43   | 6.4        | 6.9       | 94.5         | 2      |            | Behi d  | 48           | 0       | Added    |           |
| R7   | RF4439d-25A    | 15         | 15        | 94.5         | 2      |            | Behi d  | 18           | 0       | Added    |           |
| A3   | MT6413-77A     | 28.9       | 15.8      | 55.5         | 3      |            | Fro t   | 48           | 0       | Added    |           |
| A2   | LNx-6514DS-VTM | 72         | 11.9      | 16.5         | 4      |            | Fro t   | 48           | 0       | Ret i ed |           |



| PARTS LIST |     |          |   |            |          |         |
|------------|-----|----------|---|------------|----------|---------|
| ITEM       | QTY | PART NO. | PART DESCRIPTION                          | LENGTH     | UNIT WT. | NET WT. |
| 1          | 3   | X-LWRM   | RING MOUNT WELDMENT                       |            | 68.81    | 206.42  |
| 2          | 9   | G58R-48  | 5/8" x 48" THREADED ROD (HDG.)            |            | 0.40     | 3.59    |
| 2          | 9   | G58R-24  | 5/8" x 24" THREADED ROD (HDG.)            |            | 0.40     | 3.59    |
| 3          | 3   | X-SV196  | LOW PROFILE PLATFORM CORNER               |            | 212.10   | 636.31  |
| 4          | 12  | A58234   | 5/8" x 2-3/4" HDG A325 HEX BOLT           | 2.75       | 0.36     | 4.27    |
| 5          | 12  | A58FW    | 5/8" HDG A325 FLATWASHER                  |            | 0.03     | 0.41    |
| 6          | 30  | G58LW    | 5/8" HDG LOCKWASHER                       |            | 0.03     | 0.78    |
| 7          | 30  | A58NUT   | 5/8" HDG A325 HEX NUT                     |            | 0.13     | 3.90    |
| 8          | 3   | P3150    | 3-1/2" X 150" SCH 40 GALVANIZED PIPE      | 150.000 in | 94.80    | 284.40  |
| 9          | 36  | X-UB1306 | 1/2" X 3-5/8" X 6" X 3" U-BOLT (HDG.)     |            | 0.26     | 9.25    |
| 10         | 120 | G12FW    | 1/2" HDG USS FLATWASHER                   |            | 0.03     | 4.09    |
| 11         | 120 | G12LW    | 1/2" HDG LOCKWASHER                       |            | 0.01     | 1.67    |
| 12         | 120 | G12NUT   | 1/2" HDG HEAVY 2H HEX NUT                 |            | 0.07     | 8.60    |
| 13         | 12  | X-SP219  | SMALL SUPPORT CROSS PLATE                 | 8.250 in   | 8.61     | 103.33  |
| 14         | 24  | X-UB1212 | 1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.) |            | 0.26     | 6.17    |
| 15         | 12  | B        | ANTENNA MOUNTING PIPE                     | C          | D        | E       |



| 2-3/8" O.D. VERTICAL MOUNTING PIPES |              |             |                  |                 |              |
|-------------------------------------|--------------|-------------|------------------|-----------------|--------------|
| ASSEMBLY NO. "A"                    | PART NO. "B" | LENGTH, "C" | UNIT WEIGHT, "D" | NET WEIGHT, "E" | TOTAL WEIGHT |
| RMQP-463                            | P263         | 63"         | 20.18            | 242.16          | 1591.11      |
| RMQP-472                            | P272         | 72"         | 23.07            | 276.84          | 1625.79      |
| RMQP-484                            | P284         | 84"         | 26.91            | 322.92          | 1671.87      |
| RMQP-496                            | P296         | 96"         | 30.76            | 369.12          | 1718.07      |
| RMQP-4126                           | P2126        | 126"        | 40.75            | 489.00          | 1837.95      |

| REV              | DESCRIPTION OF REVISIONS            | CPD | BY | DATE     |
|------------------|-------------------------------------|-----|----|----------|
| A                | ADDED 10' 6" ANTENNA MOUNTING PIPES | CEK |    | 7/9/2015 |
| REVISION HISTORY |                                     |     |    |          |

**TOLERANCE NOTE**  
**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**  
 LOW PROFILE CO-LOCATION PLATFORM  
 FOR 12 ANTENNAS WITH 12' 6" FACE WIDTH  
 FOR 12" - 38" DIAMETER POLES

**DRAWN BY**  
 CEK 1/20/2012

**CPD NO.**  
 semb

**DRAWING USAGE**  
 CUSTOMER

**ENG. APPROVAL**  
 BMC

**CHECKED BY**  
 7/9/2015

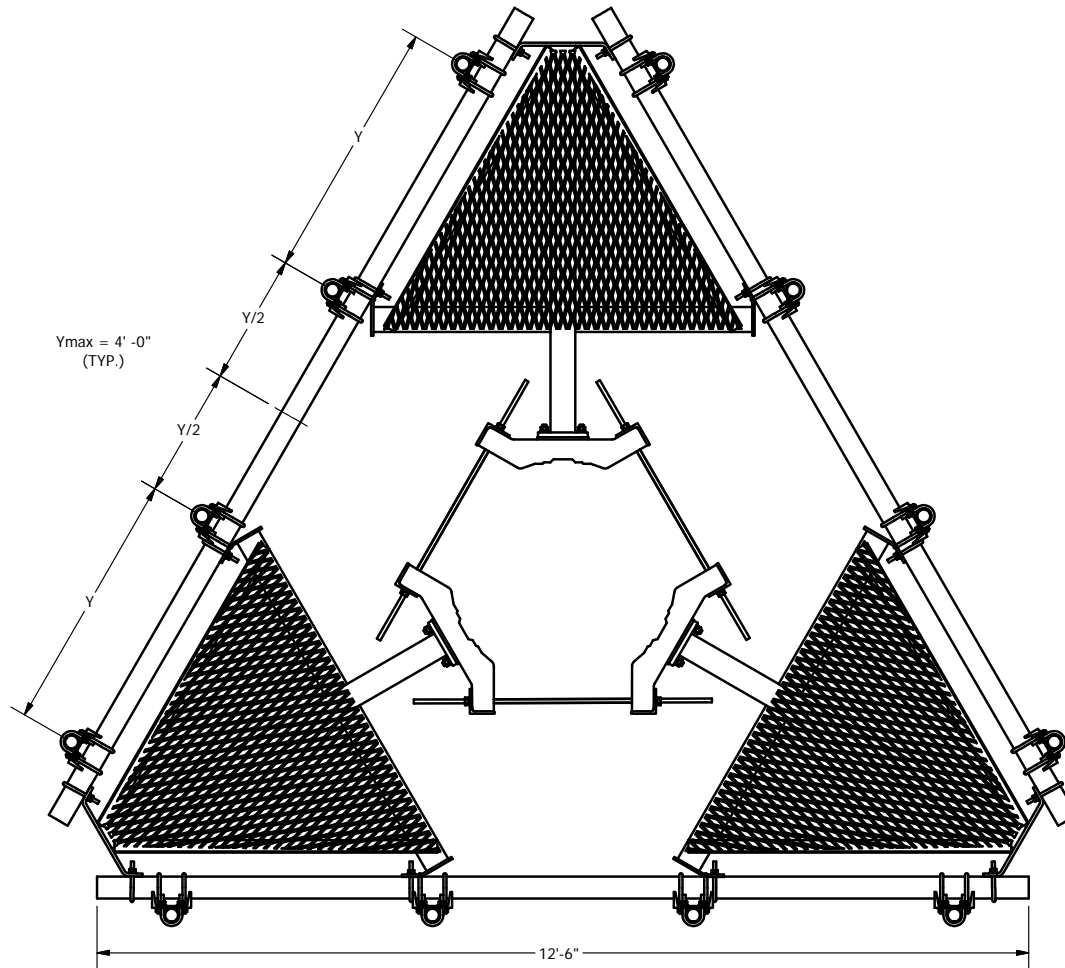
**SITE PRO 1**  
 Engineering Support Team:  
 1-888-753-7446

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

**A valmont COMPANY**

**PART NO.**  
 SEE ASSEMBLY NO. "A"

**DWG. NO.**  
 RMQP-4XX



**TOLERANCE NOTE**

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

**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**

**LOW PROFILE CO-LOCATION PLATFORM  
 FOR 12 ANTENNAS WITH 12' 6" FACE WIDTH  
 FOR 12" - 38" DIAMETER POLES**



Engineering  
 Support Team:  
 1-888-753-7446

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

A valmont COMPANY

**DRAWN BY**

**CEK 1/20/2012**

**CPD NO.**

**semb**

**DRAWING USAGE**

**CUSTOMER**

**ENG. APPROVAL**

**CHECKED BY**

**BMC**

**7/9/2015**

**PART NO.**

**SEE ASSEMBLY NO. "A"**

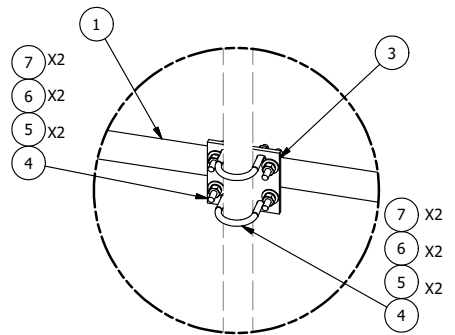
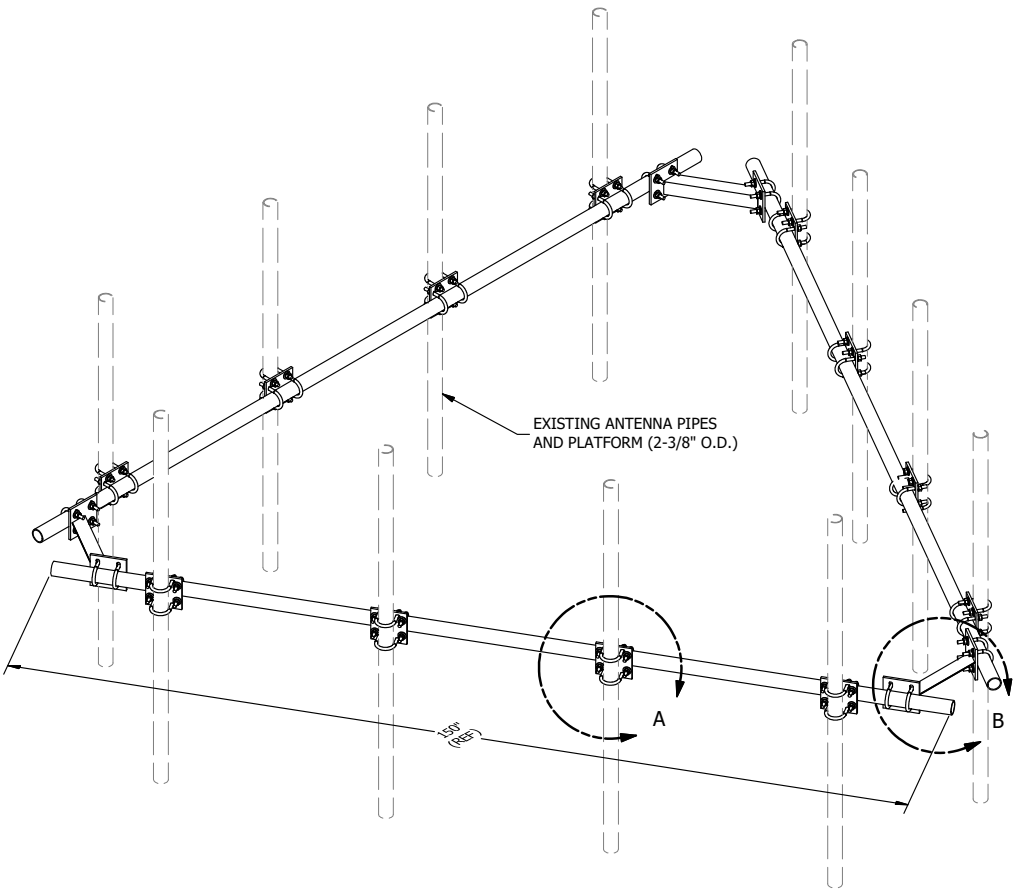
**DWG. NO.**

**RMQP-4XX**

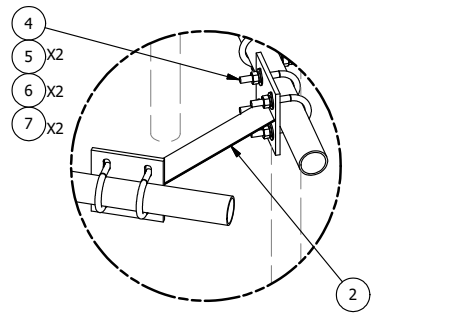
| REV | DESCRIPTION OF REVISIONS            | CPD | BY  | DATE     |
|-----|-------------------------------------|-----|-----|----------|
| A   | ADDED 10' 6" ANTENNA MOUNTING PIPES |     | CEK | 7/9/2015 |

**REVISION HISTORY**

| PARTS LIST  |     |          |   |         |          |         |
|-------------|-----|----------|---|---------|----------|---------|
| ITEM        | QTY | PART NO. | PART DESCRIPTION                          | LENGTH  | UNIT WT. | NET WT. |
| 1           | 3   | P2150    | 2-3/8" O.D. X 150" SCH 40 GALVANIZED PIPE | 150 in  | 45.77    | 137.31  |
| 2           | 3   | X-AHCP   | ANGLE HANDRAIL CORNER PLATE               |         | 12.92    | 38.76   |
| 3           | 12  | SCX1     | CROSSOVER PLATE 2-3/8" X 2-3/8"           | 6 in    | 3.71     | 44.50   |
| 4           | 60  | X-UB1212 | 1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.) |         | 0.63     | 37.51   |
| 5           | 120 | G12FW    | 1/2" HDG USS FLATWASHER                   | 3/32 in | 0.03     | 4.09    |
| 6           | 120 | G12LW    | 1/2" HDG LOCKWASHER                       | 1/8 in  | 0.01     | 1.67    |
| 7           | 120 | G12NUT   | 1/2" HDG HEAVY 2H HEX NUT                 |         | 0.07     | 8.60    |
| TOTAL WT. # |     |          |   |         |          | 272.43  |



DETAIL A



DETAIL B

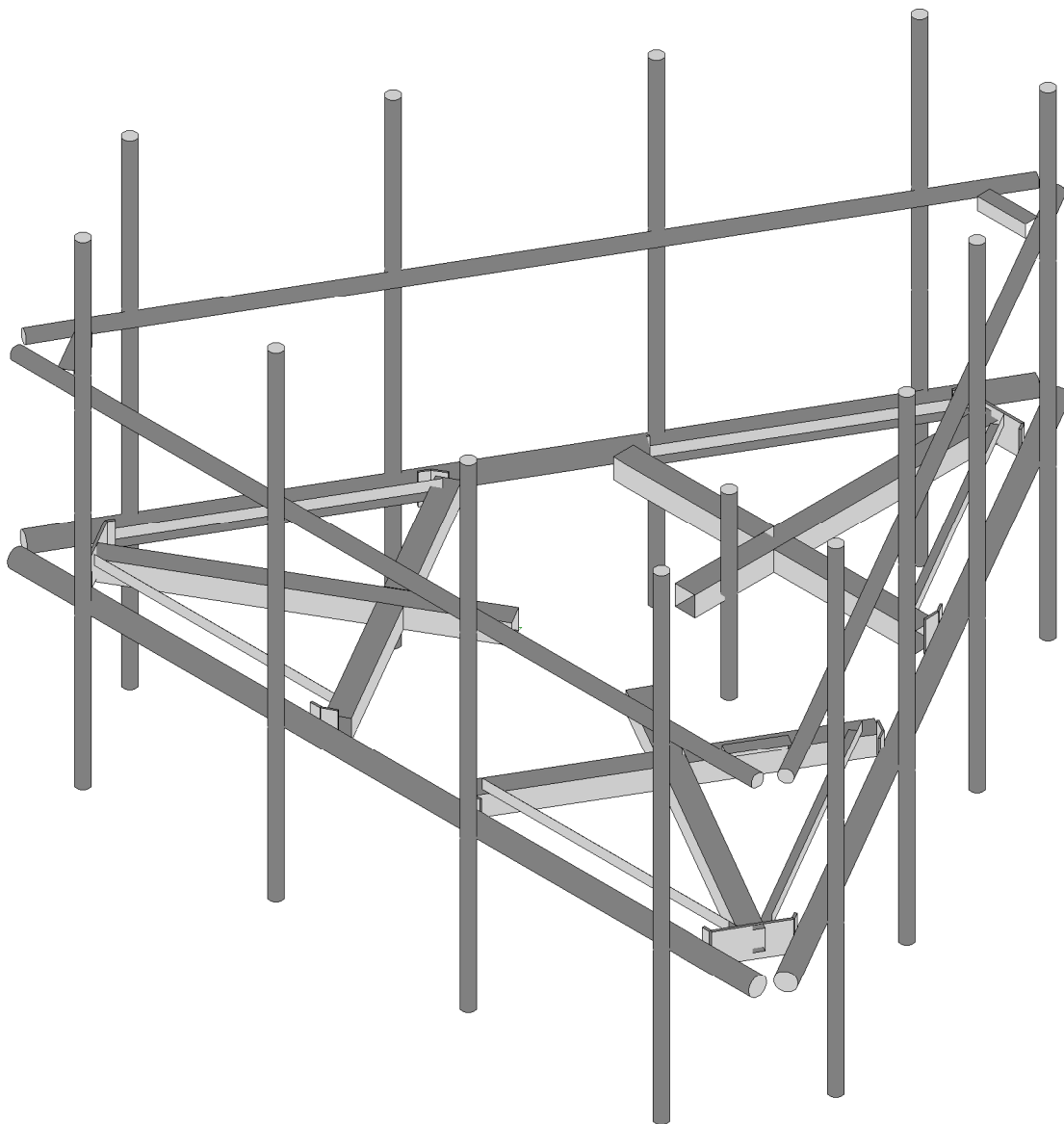
| REV              | DESCRIPTION OF REVISIONS | CPD | BY | DATE      |
|------------------|--------------------------|-----|----|-----------|
| A                | REPLACED HCP WITH X-AHCP | CEK |    | 7/10/2014 |
| REVISION HISTORY |                          |     |    |           |

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

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                         |               |               |               |
|-------------------------------------|---------------|---------------|---------------|
| <b>HANDRAIL KIT FOR 12'-6" FACE</b> |               |               |               |
| CPD NO.                             | DRAWN BY      | ENG. APPROVAL |               |
|                                     | KC8 5/30/2012 |               |               |
| CLASS                               | SUB           | DRAWING USAGE | CHECKED BY    |
| 81                                  | 01            | CUSTOMER      | BMC 7/13/2014 |

|                              |   |
|------------------------------|---|
| <br><b>A valmont COMPANY</b> | Locations:<br>New York, NY<br>Atlanta, GA<br>Los Angeles, CA<br>Plymouth, IN<br>Salem, OR<br>Dallas, TX |
|                              | Engineering Support Team:<br>1-888-753-7446   |
| PART NO.                     | <b>HRK12</b>  |
| DWG. NO.                     | <b>HRK12</b>  |



Envelope Only Solution

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|  |

Rendered Model

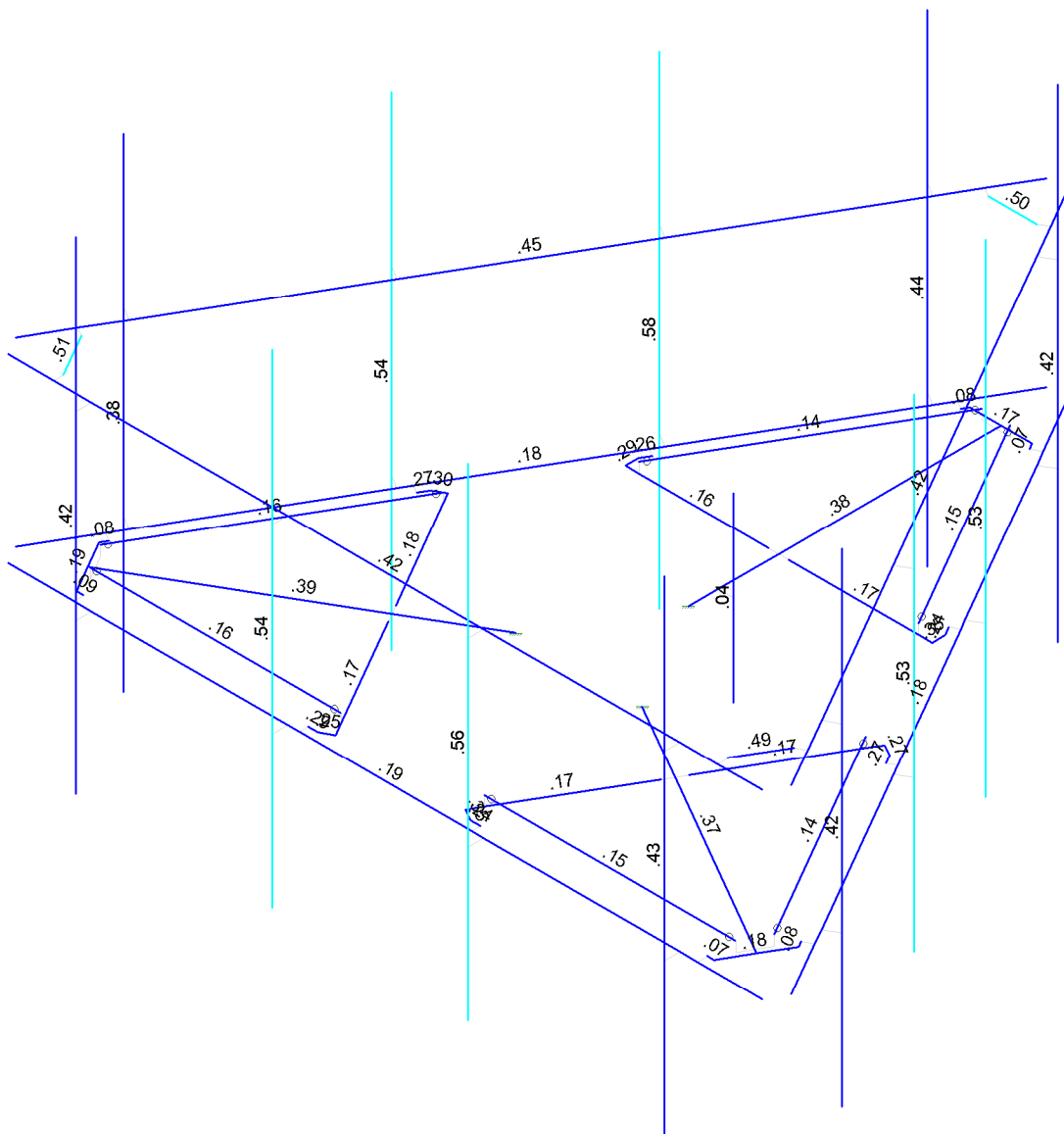
SK - 1

Nov 15, 2023 at 11:02 AM

5000216413-VZW\_MT\_LO\_H.r3d

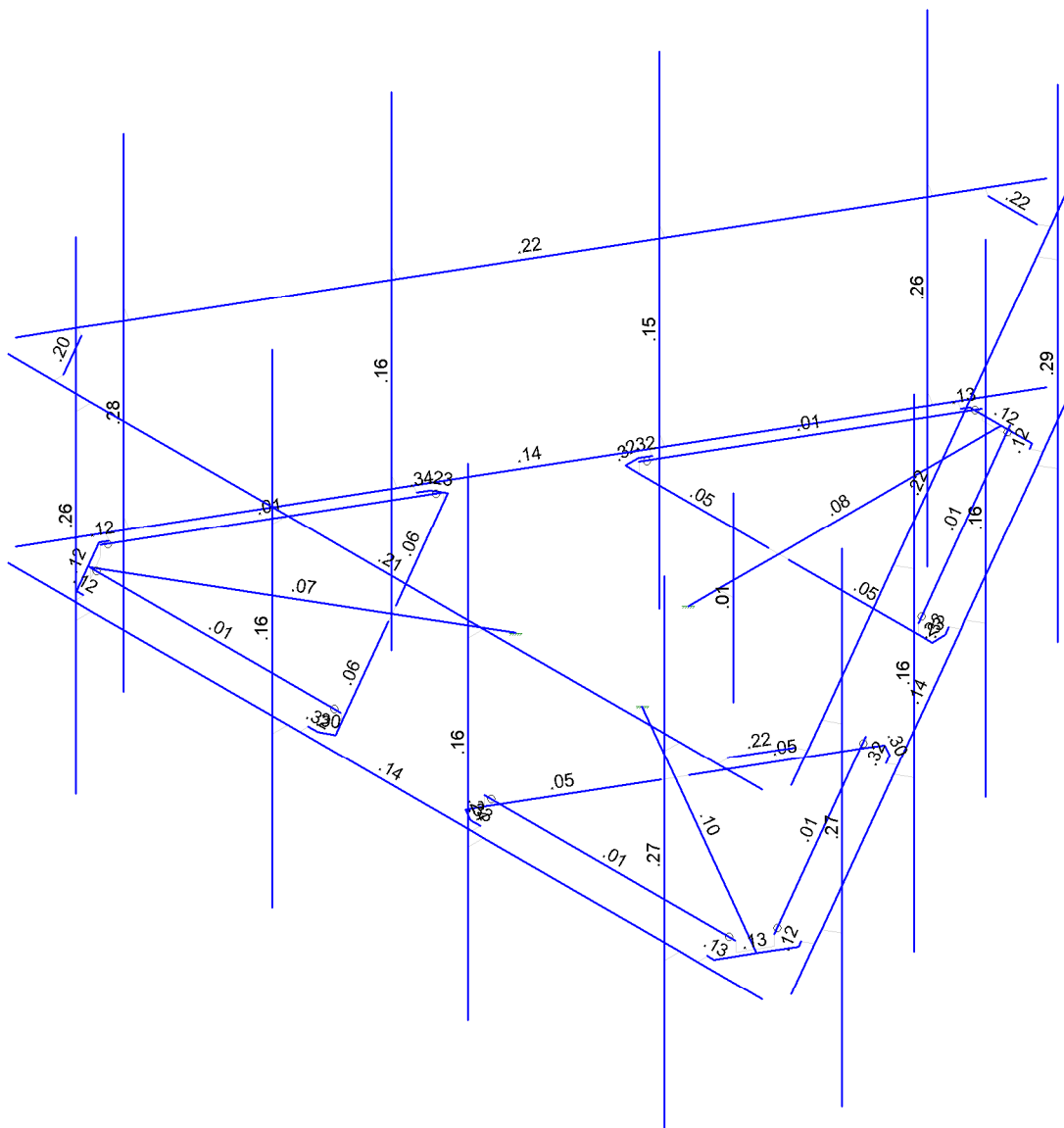


| Code Check (ENR) |         |
|------------------|---------|
| Black            | No Calc |
| Red              | > 1.0   |
| Yellow           | 80-1.0  |
| Green            | 75-90   |
| Cyan             | 50-75   |
| Blue             | 0-50    |



Member Code Checks Displayed (Enveloped)  
Envelope Only Solution

|  |               |                            |
|--|---------------|----------------------------|
|  |               | SK - 2                     |
|  |               | Nov 15, 2023 at 11:02 AM   |
|  | Bending Check | 5000216413-VZW_MT_LO_H.r3d |



Member Shear Checks Displayed (Enveloped)  
Envelope Only Solution

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|                            |
|----------------------------|
| SK - 3                     |
| Nov 15, 2023 at 11:02 AM   |
| 5000216413-VZW_MT_LO_H.r3d |

Shear Check



Company :  
 Designer :  
 Job Number :  
 Model Name :

Nov 15, 2023  
 11:03 AM  
 Checked By: \_\_\_\_\_

**Basic Load Cases**

|    | BLC Description        | Category | X Gravity | Y Gravity | Z Gravity | Joint | Point | Distributed Area(Me... | Surface(P... |
|----|------------------------|----------|-----------|-----------|-----------|-------|-------|------------------------|--------------|
| 1  | Antenna D              | None     |           |           |           |       | 111   |                        |              |
| 2  | Antenna Di             | None     |           |           |           |       | 111   |                        |              |
| 3  | Antenna Wo (0 Deg)     | None     |           |           |           |       | 111   |                        |              |
| 4  | Antenna Wo (30 Deg)    | None     |           |           |           |       | 111   |                        |              |
| 5  | Antenna Wo (60 Deg)    | None     |           |           |           |       | 111   |                        |              |
| 6  | Antenna Wo (90 Deg)    | None     |           |           |           |       | 111   |                        |              |
| 7  | Antenna Wo (120 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 8  | Antenna Wo (150 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 9  | Antenna Wo (180 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 10 | Antenna Wo (210 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 11 | Antenna Wo (240 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 12 | Antenna Wo (270 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 13 | Antenna Wo (300 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 14 | Antenna Wo (330 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 15 | Antenna Wi (0 Deg)     | None     |           |           |           |       | 111   |                        |              |
| 16 | Antenna Wi (30 Deg)    | None     |           |           |           |       | 111   |                        |              |
| 17 | Antenna Wi (60 Deg)    | None     |           |           |           |       | 111   |                        |              |
| 18 | Antenna Wi (90 Deg)    | None     |           |           |           |       | 111   |                        |              |
| 19 | Antenna Wi (120 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 20 | Antenna Wi (150 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 21 | Antenna Wi (180 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 22 | Antenna Wi (210 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 23 | Antenna Wi (240 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 24 | Antenna Wi (270 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 25 | Antenna Wi (300 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 26 | Antenna Wi (330 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 27 | Antenna Wm (0 Deg)     | None     |           |           |           |       | 111   |                        |              |
| 28 | Antenna Wm (30 Deg)    | None     |           |           |           |       | 111   |                        |              |
| 29 | Antenna Wm (60 Deg)    | None     |           |           |           |       | 111   |                        |              |
| 30 | Antenna Wm (90 Deg)    | None     |           |           |           |       | 111   |                        |              |
| 31 | Antenna Wm (120 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 32 | Antenna Wm (150 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 33 | Antenna Wm (180 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 34 | Antenna Wm (210 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 35 | Antenna Wm (240 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 36 | Antenna Wm (270 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 37 | Antenna Wm (300 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 38 | Antenna Wm (330 Deg)   | None     |           |           |           |       | 111   |                        |              |
| 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 D... | None     |           |           |           |       |       | 116                    |              |
| 46 | Structure Wo (150 D... | None     |           |           |           |       |       | 116                    |              |
| 47 | Structure Wo (180 D... | None     |           |           |           |       |       | 116                    |              |
| 48 | Structure Wo (210 D... | None     |           |           |           |       |       | 116                    |              |
| 49 | Structure Wo (240 D... | None     |           |           |           |       |       | 116                    |              |
| 50 | Structure Wo (270 D... | None     |           |           |           |       |       | 116                    |              |
| 51 | Structure Wo (300 D... | None     |           |           |           |       |       | 116                    |              |
| 52 | Structure Wo (330 D... | None     |           |           |           |       |       | 116                    |              |
| 53 | Structure Wi (0 Deg)   | None     |           |           |           |       |       | 116                    |              |





Company :  
 Designer :  
 Job Number :  
 Model Name :

Nov 15, 2023  
 11:03 AM  
 Checked By: \_\_\_\_\_

**Basic Load Cases (Continued)**

| BLC Description            | Category | X Gravity | Y Gravity | Z Gravity | Joint | Point | Distributed Area(Me... | Surface(P... |
|----------------------------|----------|-----------|-----------|-----------|-------|-------|------------------------|--------------|
| 54 Structure Wi (30 Deg)   | None     |           |           |           |       |       | 116                    |              |
| 55 Structure Wi (60 Deg)   | None     |           |           |           |       |       | 116                    |              |
| 56 Structure Wi (90 Deg)   | None     |           |           |           |       |       | 116                    |              |
| 57 Structure Wi (120 De..) | None     |           |           |           |       |       | 116                    |              |
| 58 Structure Wi (150 De..) | None     |           |           |           |       |       | 116                    |              |
| 59 Structure Wi (180 De..) | None     |           |           |           |       |       | 116                    |              |
| 60 Structure Wi (210 De..) | None     |           |           |           |       |       | 116                    |              |
| 61 Structure Wi (240 De..) | None     |           |           |           |       |       | 116                    |              |
| 62 Structure Wi (270 De..) | None     |           |           |           |       |       | 116                    |              |
| 63 Structure Wi (300 De..) | None     |           |           |           |       |       | 116                    |              |
| 64 Structure Wi (330 De..) | None     |           |           |           |       |       | 116                    |              |
| 65 Structure Wm (0 Deg)    | None     |           |           |           |       |       | 116                    |              |
| 66 Structure Wm (30 De..)  | None     |           |           |           |       |       | 116                    |              |
| 67 Structure Wm (60 De..)  | None     |           |           |           |       |       | 116                    |              |
| 68 Structure Wm (90 De..)  | None     |           |           |           |       |       | 116                    |              |
| 69 Structure Wm (120 D..)  | None     |           |           |           |       |       | 116                    |              |
| 70 Structure Wm (150 D..)  | None     |           |           |           |       |       | 116                    |              |
| 71 Structure Wm (180 D..)  | None     |           |           |           |       |       | 116                    |              |
| 72 Structure Wm (210 D..)  | None     |           |           |           |       |       | 116                    |              |
| 73 Structure Wm (240 D..)  | None     |           |           |           |       |       | 116                    |              |
| 74 Structure Wm (270 D..)  | None     |           |           |           |       |       | 116                    |              |
| 75 Structure Wm (300 D..)  | None     |           |           |           |       |       | 116                    |              |
| 76 Structure Wm (330 D..)  | None     |           |           |           |       |       | 116                    |              |
| 77 Lm1                     | None     |           |           |           |       | 1     |                        |              |
| 78 Lm2                     | None     |           |           |           |       | 1     |                        |              |
| 79 Lv1                     | None     |           |           |           |       | 1     |                        |              |
| 80 Lv2                     | None     |           |           |           |       | 1     |                        |              |
| 81 Antenna Ev              | None     |           |           |           |       | 111   |                        |              |
| 82 Antenna Eh (0 Deg)      | None     |           |           |           |       | 74    |                        |              |
| 83 Antenna Eh (90 Deg)     | None     |           |           |           |       | 74    |                        |              |
| 84 Structure Ev            | ELY      |           |           |           |       |       |                        | 3            |
| 85 Structure Eh (0 Deg)    | ELZ      |           |           | -03       |       |       |                        | 3            |
| 86 Structure Eh (90 Deg)   | ELX      | .03       |           |           |       |       |                        | 3            |
| 87 BLC 39 Transient Are..  | None     |           |           |           |       |       | 30                     |              |
| 88 BLC 40 Transient Are..  | None     |           |           |           |       |       | 30                     |              |
| 89 BLC 84 Transient Are..  | None     |           |           |           |       |       |                        |              |
| 90 BLC 85 Transient Are..  | None     |           |           |           |       |       | 30                     |              |
| 91 BLC 86 Transient Are..  | None     |           |           |           |       |       | 30                     |              |

**Load Combinations**

| Description                      | S... | P... | S... | B... | Fa... | B... | Fa... | B... | Fa... | B... | Fa... | B... | Fa... | B... | Fa... | B... | Fa... | B... | Fa... |
|----------------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| 1 1.2D+1.0Wo (0 Deg)             | Yes  | Y    |      | 1    | 1.2   | 39   | 1.2   | 3    | 1     | 41   | 1     |      |       |      |       |      |       |      |       |
| 2 1.2D+1.0Wo (30 Deg)            | Yes  | Y    |      | 1    | 1.2   | 39   | 1.2   | 4    | 1     | 42   | 1     |      |       |      |       |      |       |      |       |
| 3 1.2D+1.0Wo (60 Deg)            | Yes  | Y    |      | 1    | 1.2   | 39   | 1.2   | 5    | 1     | 43   | 1     |      |       |      |       |      |       |      |       |
| 4 1.2D+1.0Wo (90 Deg)            | Yes  | Y    |      | 1    | 1.2   | 39   | 1.2   | 6    | 1     | 44   | 1     |      |       |      |       |      |       |      |       |
| 5 1.2D+1.0Wo (120 Deg)           | Yes  | Y    |      | 1    | 1.2   | 39   | 1.2   | 7    | 1     | 45   | 1     |      |       |      |       |      |       |      |       |
| 6 1.2D+1.0Wo (150 Deg)           | Yes  | Y    |      | 1    | 1.2   | 39   | 1.2   | 8    | 1     | 46   | 1     |      |       |      |       |      |       |      |       |
| 7 1.2D+1.0Wo (180 Deg)           | Yes  | Y    |      | 1    | 1.2   | 39   | 1.2   | 9    | 1     | 47   | 1     |      |       |      |       |      |       |      |       |
| 8 1.2D+1.0Wo (210 Deg)           | Yes  | Y    |      | 1    | 1.2   | 39   | 1.2   | 10   | 1     | 48   | 1     |      |       |      |       |      |       |      |       |
| 9 1.2D+1.0Wo (240 Deg)           | Yes  | Y    |      | 1    | 1.2   | 39   | 1.2   | 11   | 1     | 49   | 1     |      |       |      |       |      |       |      |       |
| 10 1.2D+1.0Wo (270 Deg)          | Yes  | Y    |      | 1    | 1.2   | 39   | 1.2   | 12   | 1     | 50   | 1     |      |       |      |       |      |       |      |       |
| 11 1.2D+1.0Wo (300 Deg)          | Yes  | Y    |      | 1    | 1.2   | 39   | 1.2   | 13   | 1     | 51   | 1     |      |       |      |       |      |       |      |       |
| 12 1.2D+1.0Wo (330 Deg)          | Yes  | Y    |      | 1    | 1.2   | 39   | 1.2   | 14   | 1     | 52   | 1     |      |       |      |       |      |       |      |       |
| 13 1.2D + 1.0Di + 1.0Wi (0 Deg)  | Yes  | Y    |      | 1    | 1.2   | 39   | 1.2   | 2    | 1     | 40   | 1     | 15   | 1     | 53   | 1     |      |       |      |       |
| 14 1.2D + 1.0Di + 1.0Wi (30 Deg) | Yes  | Y    |      | 1    | 1.2   | 39   | 1.2   | 2    | 1     | 40   | 1     | 16   | 1     | 54   | 1     |      |       |      |       |

**Load Combinations (Continued)**

| Description                        | S... | P... | S... | B... | Fa... | B... | Fa... | B... | Fa... | B... | Fa... | B... | Fa... | B...   | Fa... | B...   | Fa... | B...   | Fa... | B...   | Fa... | B... |
|------------------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|--------|-------|--------|-------|--------|-------|--------|-------|------|
| 15 1.2D + 1.0Di + 1.0Wi (60 Deg)   | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 2     | 1    | 40    | 1    | 17    | 1      | 55    | 1      |       |        |       |        |       |      |
| 16 1.2D + 1.0Di + 1.0Wi (90 Deg)   | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 2     | 1    | 40    | 1    | 18    | 1      | 56    | 1      |       |        |       |        |       |      |
| 17 1.2D + 1.0Di + 1.0Wi (120 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 2     | 1    | 40    | 1    | 19    | 1      | 57    | 1      |       |        |       |        |       |      |
| 18 1.2D + 1.0Di + 1.0Wi (150 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 2     | 1    | 40    | 1    | 20    | 1      | 58    | 1      |       |        |       |        |       |      |
| 19 1.2D + 1.0Di + 1.0Wi (180 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 2     | 1    | 40    | 1    | 21    | 1      | 59    | 1      |       |        |       |        |       |      |
| 20 1.2D + 1.0Di + 1.0Wi (210 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 2     | 1    | 40    | 1    | 22    | 1      | 60    | 1      |       |        |       |        |       |      |
| 21 1.2D + 1.0Di + 1.0Wi (240 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 2     | 1    | 40    | 1    | 23    | 1      | 61    | 1      |       |        |       |        |       |      |
| 22 1.2D + 1.0Di + 1.0Wi (270 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 2     | 1    | 40    | 1    | 24    | 1      | 62    | 1      |       |        |       |        |       |      |
| 23 1.2D + 1.0Di + 1.0Wi (300 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 2     | 1    | 40    | 1    | 25    | 1      | 63    | 1      |       |        |       |        |       |      |
| 24 1.2D + 1.0Di + 1.0Wi (330 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 2     | 1    | 40    | 1    | 26    | 1      | 64    | 1      |       |        |       |        |       |      |
| 25 1.2D + 1.5Lm1 + 1.0Wm (0 Deg)   | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 77    | 1.5  | 27    | 1    | 65    | 1      |       |        |       |        |       |        |       |      |
| 26 1.2D + 1.5Lm1 + 1.0Wm (30 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 77    | 1.5  | 28    | 1    | 66    | 1      |       |        |       |        |       |        |       |      |
| 27 1.2D + 1.5Lm1 + 1.0Wm (60 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 77    | 1.5  | 29    | 1    | 67    | 1      |       |        |       |        |       |        |       |      |
| 28 1.2D + 1.5Lm1 + 1.0Wm (90 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 77    | 1.5  | 30    | 1    | 68    | 1      |       |        |       |        |       |        |       |      |
| 29 1.2D + 1.5Lm1 + 1.0Wm (120 Deg) | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 77    | 1.5  | 31    | 1    | 69    | 1      |       |        |       |        |       |        |       |      |
| 30 1.2D + 1.5Lm1 + 1.0Wm (150 Deg) | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 77    | 1.5  | 32    | 1    | 70    | 1      |       |        |       |        |       |        |       |      |
| 31 1.2D + 1.5Lm1 + 1.0Wm (180 Deg) | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 77    | 1.5  | 33    | 1    | 71    | 1      |       |        |       |        |       |        |       |      |
| 32 1.2D + 1.5Lm1 + 1.0Wm (210 Deg) | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 77    | 1.5  | 34    | 1    | 72    | 1      |       |        |       |        |       |        |       |      |
| 33 1.2D + 1.5Lm1 + 1.0Wm (240 Deg) | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 77    | 1.5  | 35    | 1    | 73    | 1      |       |        |       |        |       |        |       |      |
| 34 1.2D + 1.5Lm1 + 1.0Wm (270 Deg) | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 77    | 1.5  | 36    | 1    | 74    | 1      |       |        |       |        |       |        |       |      |
| 35 1.2D + 1.5Lm1 + 1.0Wm (300 Deg) | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 77    | 1.5  | 37    | 1    | 75    | 1      |       |        |       |        |       |        |       |      |
| 36 1.2D + 1.5Lm1 + 1.0Wm (330 Deg) | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 77    | 1.5  | 38    | 1    | 76    | 1      |       |        |       |        |       |        |       |      |
| 37 1.2D + 1.5Lm2 + 1.0Wm (0 Deg)   | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 78    | 1.5  | 27    | 1    | 65    | 1      |       |        |       |        |       |        |       |      |
| 38 1.2D + 1.5Lm2 + 1.0Wm (30 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 78    | 1.5  | 28    | 1    | 66    | 1      |       |        |       |        |       |        |       |      |
| 39 1.2D + 1.5Lm2 + 1.0Wm (60 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 78    | 1.5  | 29    | 1    | 67    | 1      |       |        |       |        |       |        |       |      |
| 40 1.2D + 1.5Lm2 + 1.0Wm (90 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 78    | 1.5  | 30    | 1    | 68    | 1      |       |        |       |        |       |        |       |      |
| 41 1.2D + 1.5Lm2 + 1.0Wm (120 Deg) | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 78    | 1.5  | 31    | 1    | 69    | 1      |       |        |       |        |       |        |       |      |
| 42 1.2D + 1.5Lm2 + 1.0Wm (150 Deg) | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 78    | 1.5  | 32    | 1    | 70    | 1      |       |        |       |        |       |        |       |      |
| 43 1.2D + 1.5Lm2 + 1.0Wm (180 Deg) | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 78    | 1.5  | 33    | 1    | 71    | 1      |       |        |       |        |       |        |       |      |
| 44 1.2D + 1.5Lm2 + 1.0Wm (210 Deg) | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 78    | 1.5  | 34    | 1    | 72    | 1      |       |        |       |        |       |        |       |      |
| 45 1.2D + 1.5Lm2 + 1.0Wm (240 Deg) | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 78    | 1.5  | 35    | 1    | 73    | 1      |       |        |       |        |       |        |       |      |
| 46 1.2D + 1.5Lm2 + 1.0Wm (270 Deg) | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 78    | 1.5  | 36    | 1    | 74    | 1      |       |        |       |        |       |        |       |      |
| 47 1.2D + 1.5Lm2 + 1.0Wm (300 Deg) | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 78    | 1.5  | 37    | 1    | 75    | 1      |       |        |       |        |       |        |       |      |
| 48 1.2D + 1.5Lm2 + 1.0Wm (330 Deg) | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 78    | 1.5  | 38    | 1    | 76    | 1      |       |        |       |        |       |        |       |      |
| 49 1.2D + 1.5Lv1                   | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 79    | 1.5  |       |      |       |        |       |        |       |        |       |        |       |      |
| 50 1.2D + 1.5Lv2                   | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 80    | 1.5  |       |      |       |        |       |        |       |        |       |        |       |      |
| 51 1.4D                            | Yes  | Y    |      |      | 1     | 1.4  | 39    | 1.4  |       |      |       |      |       |        |       |        |       |        |       |        |       |      |
| 52 1.2D + 1.0Ev + 1.0Eh (0 Deg)    | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 81    | 1    | E...  | 1    | 82    | 1      | 83    | E...   | 1     | E...   |       |        |       |      |
| 53 1.2D + 1.0Ev + 1.0Eh (30 Deg)   | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 81    | 1    | E...  | 1    | 82    | .866   | 83    | .5     | E...  | .866   | E...  | .5     |       |      |
| 54 1.2D + 1.0Ev + 1.0Eh (60 Deg)   | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 81    | 1    | E...  | 1    | 82    | .5     | 83    | .866   | E...  | .5     | E...  | .866   |       |      |
| 55 1.2D + 1.0Ev + 1.0Eh (90 Deg)   | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 81    | 1    | E...  | 1    | 82    |        | 83    | 1      | E...  |        | E...  | 1      |       |      |
| 56 1.2D + 1.0Ev + 1.0Eh (120 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 81    | 1    | E...  | 1    | 82    | -.5    | 83    | .866   | E...  | -.5    | E...  | .866   |       |      |
| 57 1.2D + 1.0Ev + 1.0Eh (150 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 81    | 1    | E...  | 1    | 82    | -.8... | 83    | .5     | E...  | -.8... | E...  | .5     |       |      |
| 58 1.2D + 1.0Ev + 1.0Eh (180 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 81    | 1    | E...  | 1    | 82    | -1     | 83    |        | E...  | -1     | E...  |        |       |      |
| 59 1.2D + 1.0Ev + 1.0Eh (210 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 81    | 1    | E...  | 1    | 82    | -.8... | 83    | -.5    | E...  | -.8... | E...  | -.5    |       |      |
| 60 1.2D + 1.0Ev + 1.0Eh (240 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 81    | 1    | E...  | 1    | 82    | -.5    | 83    | -.8... | E...  | -.5    | E...  | -.8... |       |      |
| 61 1.2D + 1.0Ev + 1.0Eh (270 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 81    | 1    | E...  | 1    | 82    |        | 83    | -1     | E...  |        | E...  | -1     |       |      |
| 62 1.2D + 1.0Ev + 1.0Eh (300 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 81    | 1    | E...  | 1    | 82    | .5     | 83    | -.8... | E...  | .5     | E...  | -.8... |       |      |
| 63 1.2D + 1.0Ev + 1.0Eh (330 Deg)  | Yes  | Y    |      |      | 1     | 1.2  | 39    | 1.2  | 81    | 1    | E...  | 1    | 82    | .866   | 83    | -.5    | E...  | .866   | E...  | -.5    |       |      |
| 64 0.9D - 1.0Ev + 1.0Eh (0 Deg)    | Yes  | Y    |      |      | 1     | .9   | 39    | .9   | 81    | -1   | E...  | -1   | 82    | 1      | 83    | E...   | 1     | E...   |       |        |       |      |
| 65 0.9D - 1.0Ev + 1.0Eh (30 Deg)   | Yes  | Y    |      |      | 1     | .9   | 39    | .9   | 81    | -1   | E...  | -1   | 82    | .866   | 83    | .5     | E...  | .866   | E...  | .5     |       |      |
| 66 0.9D - 1.0Ev + 1.0Eh (60 Deg)   | Yes  | Y    |      |      | 1     | .9   | 39    | .9   | 81    | -1   | E...  | -1   | 82    | .5     | 83    | .866   | E...  | .5     | E...  | .866   |       |      |
| 67 0.9D - 1.0Ev + 1.0Eh (90 Deg)   | Yes  | Y    |      |      | 1     | .9   | 39    | .9   | 81    | -1   | E...  | -1   | 82    |        | 83    | 1      | E...  |        | E...  | 1      |       |      |
| 68 0.9D - 1.0Ev + 1.0Eh (120 Deg)  | Yes  | Y    |      |      | 1     | .9   | 39    | .9   | 81    | -1   | E...  | -1   | 82    | -.5    | 83    | .866   | E...  | -.5    | E...  | .866   |       |      |
| 69 0.9D - 1.0Ev + 1.0Eh (150 Deg)  | Yes  | Y    |      |      | 1     | .9   | 39    | .9   | 81    | -1   | E...  | -1   | 82    | -.8... | 83    | .5     | E...  | -.8... | E...  | .5     |       |      |
| 70 0.9D - 1.0Ev + 1.0Eh (180 Deg)  | Yes  | Y    |      |      | 1     | .9   | 39    | .9   | 81    | -1   | E...  | -1   | 82    | -1     | 83    |        | E...  | -1     | E...  |        |       |      |
| 71 0.9D - 1.0Ev + 1.0Eh (210 Deg)  | Yes  | Y    |      |      | 1     | .9   | 39    | .9   | 81    | -1   | E...  | -1   | 82    | -.8... | 83    | -.5    | E...  | -.8... | E...  | -.5    |       |      |

**Load Combinations (Continued)**

|    | Description                    | S... | P... | S... | B... | Fa... | B... | Fa... | B... | Fa... | B... | Fa... | B... | Fa... | B... | Fa... | B... | Fa... | B... | Fa...  | B... | Fa... | B... | Fa... | B... | Fa... | B... |  |
|----|--------------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|--------|------|-------|------|-------|------|-------|------|--|
| 72 | 0.9D - 1.0Ev + 1.0Eh (240 Deg) | Yes  | Y    |      | 1    | .9    | 39   | .9    | 81   | -1    | E... | -1    | 82   | -.5   | 83   | -8... | E... | -.5   | E... | -.8... |      |       |      |       |      |       |      |  |
| 73 | 0.9D - 1.0Ev + 1.0Eh (270 Deg) | Yes  | Y    |      | 1    | .9    | 39   | .9    | 81   | -1    | E... | -1    | 82   |       | 83   | -1    | E... |       | E... |        | -1   |       |      |       |      |       |      |  |
| 74 | 0.9D - 1.0Ev + 1.0Eh (300 Deg) | Yes  | Y    |      | 1    | .9    | 39   | .9    | 81   | -1    | E... | -1    | 82   | .5    | 83   | -8... | E... | .5    | E... | -.8... |      |       |      |       |      |       |      |  |
| 75 | 0.9D - 1.0Ev + 1.0Eh (330 Deg) | Yes  | Y    |      | 1    | .9    | 39   | .9    | 81   | -1    | E... | -1    | 82   | .866  | 83   | -.5   | E... | .866  | E... | -.5    |      |       |      |       |      |       |      |  |

**Joint Coordinates and Temperatures**

|    | Label | X [ft]    | Y [ft]   | Z [ft]    | Temp [F] | Detach From Diap... |
|----|-------|-----------|----------|-----------|----------|---------------------|
| 1  | N1    | 6.25      | 0        | 3.810523  | 0        |                     |
| 2  | N2    | -6.25     | 0        | 3.810523  | 0        |                     |
| 3  | N3    | 0         | 0        | -1.208333 | 0        |                     |
| 4  | N5    | -2.541667 | 0        | -2.708333 | 0        |                     |
| 5  | N6    | 2.315104  | 0.166667 | -2.708333 | 0        |                     |
| 6  | N7    | -2.315104 | 0.166667 | -2.708333 | 0        |                     |
| 7  | N8    | 4.875     | 0        | 3.810523  | 0        |                     |
| 8  | N9    | 4.875     | 0        | 4.060523  | 0        |                     |
| 9  | N10   | -4.875    | 0        | 3.810523  | 0        |                     |
| 10 | N11   | -4.875    | 0        | 4.060523  | 0        |                     |
| 11 | N12   | 1.625     | 0        | 3.810523  | 0        |                     |
| 12 | N13   | 1.625     | 0        | 4.060523  | 0        |                     |
| 13 | N14   | -1.625    | 0        | 3.810523  | 0        |                     |
| 14 | N15   | -1.625    | 0        | 4.060523  | 0        |                     |
| 15 | N16   | -1.625    | -2.5     | 4.060523  | 0        |                     |
| 16 | N17   | -1.625    | 5.5      | 4.060523  | 0        |                     |
| 17 | N18   | -4.875    | -2.5     | 4.060523  | 0        |                     |
| 18 | N19   | -4.875    | 5.5      | 4.060523  | 0        |                     |
| 19 | N20   | 1.625     | -2.5     | 4.060523  | 0        |                     |
| 20 | N21   | 1.625     | 5.5      | 4.060523  | 0        |                     |
| 21 | N22   | 4.875     | -2.5     | 4.060523  | 0        |                     |
| 22 | N23   | 4.875     | 5.5      | 4.060523  | 0        |                     |
| 23 | N24   | 0         | 0        | -2.708333 | 0        |                     |
| 24 | N27   | 0         | 0        | -6.395833 | 0        |                     |
| 25 | CP    | 0         | 0        | 0         | 0        |                     |
| 26 | N29   | 2.315104  | 0        | -2.708333 | 0        |                     |
| 27 | N30   | -2.315104 | 0        | -2.708333 | 0        |                     |
| 28 | N101  | 2.541667  | 0        | -2.708333 | 0        |                     |
| 29 | N102  | -0.166667 | 0        | -2.708333 | 0        |                     |
| 30 | N103A | 0.166667  | 0        | -2.708333 | 0        |                     |
| 31 | N104A | -2.541667 | 0        | -2.927083 | 0        |                     |
| 32 | N105  | 2.541667  | 0        | -2.927083 | 0        |                     |
| 33 | N131  | 2.458333  | 0        | -3.071421 | 0        |                     |
| 34 | N135  | 0.571615  | 0        | -6.298857 | 0        |                     |
| 35 | N144  | -2.458333 | 0        | -3.071421 | 0        |                     |
| 36 | N148  | -0.571615 | 0        | -6.298857 | 0        |                     |
| 37 | N86A  | 2.584629  | 0        | -3.144338 | 0        |                     |
| 38 | N86B  | -2.584629 | 0        | -3.144338 | 0        |                     |
| 39 | N86C  | -0.515625 | 0        | -6.395833 | 0        |                     |
| 40 | N87A  | 0.515625  | 0        | -6.395833 | 0        |                     |
| 41 | N86D  | 0.715429  | 0        | -6.381888 | 0        |                     |
| 42 | N86E  | -0.715429 | 0        | -6.381888 | 0        |                     |
| 43 | N88A  | 0         | 0        | -6.3125   | 0        |                     |
| 44 | N87C  | 0.234238  | 0.166667 | -6.3125   | 0        |                     |
| 45 | N86G  | 0.234238  | 0        | -6.3125   | 0        |                     |
| 46 | N87B  | -0.234238 | 0.166667 | -6.3125   | 0        |                     |
| 47 | N88C  | -0.234238 | 0        | -6.3125   | 0        |                     |
| 48 | N87D  | -1.046447 | 0        | 0.604167  | 0        |                     |



Company :  
 Designer :  
 Job Number :  
 Model Name :

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 Checked By: \_\_\_\_\_

**Joint Coordinates and Temperatures (Continued)**

|     | Label | X [ft]    | Y [ft]   | Z [ft]    | Temp [F] | Detach From Diap... |
|-----|-------|-----------|----------|-----------|----------|---------------------|
| 49  | N88B  | -1.074652 | 0        | 3.555315  | 0        |                     |
| 50  | N89   | -3.503038 | 0.166667 | -0.650772 | 0        |                     |
| 51  | N90   | -1.187933 | 0.166667 | 3.359106  | 0        |                     |
| 52  | N91   | -2.345485 | 0        | 1.354167  | 0        |                     |
| 53  | N92   | -5.538954 | 0        | 3.197917  | 0        |                     |
| 54  | N93   | -3.503038 | 0        | -0.650772 | 0        |                     |
| 55  | N94   | -1.187933 | 0        | 3.359106  | 0        |                     |
| 56  | N95   | -3.616319 | 0        | -0.846981 | 0        |                     |
| 57  | N96   | -2.262152 | 0        | 1.498504  | 0        |                     |
| 58  | N97   | -2.428819 | 0        | 1.209829  | 0        |                     |
| 59  | N98   | -1.264095 | 0        | 3.66469   | 0        |                     |
| 60  | N99   | -3.805762 | 0        | -0.737606 | 0        |                     |
| 61  | N100  | -3.889095 | 0        | -0.593269 | 0        |                     |
| 62  | N101A | -5.740777 | 0        | 2.654396  | 0        |                     |
| 63  | N102A | -1.430762 | 0        | 3.66469   | 0        |                     |
| 64  | N103  | -5.169162 | 0        | 3.644461  | 0        |                     |
| 65  | N104  | -4.015391 | 0        | -0.666185 | 0        |                     |
| 66  | N105A | -1.430762 | 0        | 3.810523  | 0        |                     |
| 67  | N106  | -5.281142 | 0        | 3.644461  | 0        |                     |
| 68  | N107  | -5.796767 | 0        | 2.751372  | 0        |                     |
| 69  | N108  | -5.884591 | 0        | 2.571364  | 0        |                     |
| 70  | N109  | -5.169162 | 0        | 3.810523  | 0        |                     |
| 71  | N110  | -5.466785 | 0        | 3.15625   | 0        |                     |
| 72  | N111  | -5.583904 | 0.166667 | 2.953394  | 0        |                     |
| 73  | N112  | -5.583904 | 0        | 2.953394  | 0        |                     |
| 74  | N113  | -5.349667 | 0.166667 | 3.359106  | 0        |                     |
| 75  | N114  | -5.349667 | 0        | 3.359106  | 0        |                     |
| 76  | N115  | 1.046447  | 0        | 0.604167  | 0        |                     |
| 77  | N116  | 3.616319  | 0        | -0.846981 | 0        |                     |
| 78  | N117  | 1.187933  | 0.166667 | 3.359106  | 0        |                     |
| 79  | N118  | 3.503038  | 0.166667 | -0.650772 | 0        |                     |
| 80  | N119  | 2.345485  | 0        | 1.354167  | 0        |                     |
| 81  | N120  | 5.538954  | 0        | 3.197917  | 0        |                     |
| 82  | N121  | 1.187933  | 0        | 3.359106  | 0        |                     |
| 83  | N122  | 3.503038  | 0        | -0.650772 | 0        |                     |
| 84  | N123  | 1.074652  | 0        | 3.555315  | 0        |                     |
| 85  | N124  | 2.428819  | 0        | 1.209829  | 0        |                     |
| 86  | N125  | 2.262152  | 0        | 1.498504  | 0        |                     |
| 87  | N126  | 3.805762  | 0        | -0.737606 | 0        |                     |
| 88  | N127  | 1.264095  | 0        | 3.66469   | 0        |                     |
| 89  | N128  | 1.430762  | 0        | 3.66469   | 0        |                     |
| 90  | N129  | 5.169162  | 0        | 3.644461  | 0        |                     |
| 91  | N130  | 3.889095  | 0        | -0.593269 | 0        |                     |
| 92  | N131A | 5.740777  | 0        | 2.654396  | 0        |                     |
| 93  | N132  | 1.430762  | 0        | 3.810523  | 0        |                     |
| 94  | N133  | 4.015391  | 0        | -0.666186 | 0        |                     |
| 95  | N134  | 5.796767  | 0        | 2.751372  | 0        |                     |
| 96  | N135A | 5.281142  | 0        | 3.644461  | 0        |                     |
| 97  | N136  | 5.169162  | 0        | 3.810523  | 0        |                     |
| 98  | N137  | 5.884591  | 0        | 2.571364  | 0        |                     |
| 99  | N138  | 5.466785  | 0        | 3.15625   | 0        |                     |
| 100 | N139  | 5.349667  | 0.166667 | 3.359106  | 0        |                     |
| 101 | N140  | 5.349667  | 0        | 3.359106  | 0        |                     |
| 102 | N141  | 5.583904  | 0.166667 | 2.953394  | 0        |                     |
| 103 | N142  | 5.583904  | 0        | 2.953394  | 0        |                     |
| 104 | N104B | 0.17501   | 0        | -7.31792  | 0        |                     |
| 105 | N105B | 6.42501   | 0        | 3.507397  | 0        |                     |



Company :  
 Designer :  
 Job Number :  
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**Joint Coordinates and Temperatures (Continued)**

|     | Label | X [ft]    | Y [ft] | Z [ft]    | Temp [F] | Detach From Diap... |
|-----|-------|-----------|--------|-----------|----------|---------------------|
| 106 | N124A | -6.42501  | 0      | 3.507397  | 0        |                     |
| 107 | N125A | -0.17501  | 0      | -7.31792  | 0        |                     |
| 108 | N144A | 6.25      | 3      | 3.810523  | 0        |                     |
| 109 | N145  | -6.25     | 3      | 3.810523  | 0        |                     |
| 110 | N146  | 4.875     | 3      | 3.810523  | 0        |                     |
| 111 | N147  | 4.875     | 3      | 4.060523  | 0        |                     |
| 112 | N148A | -4.875    | 3      | 3.810523  | 0        |                     |
| 113 | N149  | -4.875    | 3      | 4.060523  | 0        |                     |
| 114 | N150  | 1.625     | 3      | 3.810523  | 0        |                     |
| 115 | N151  | 1.625     | 3      | 4.060523  | 0        |                     |
| 116 | N152  | -1.625    | 3      | 3.810523  | 0        |                     |
| 117 | N153  | -1.625    | 3      | 4.060523  | 0        |                     |
| 118 | N154  | 0.17501   | 3      | -7.31792  | 0        |                     |
| 119 | N155  | 6.42501   | 3      | 3.507397  | 0        |                     |
| 120 | N156  | -6.42501  | 3      | 3.507397  | 0        |                     |
| 121 | N157  | -0.17501  | 3      | -7.31792  | 0        |                     |
| 122 | N174  | -5.5      | 3      | 3.810523  | 0        |                     |
| 123 | N175  | 5.5       | 3      | 3.810523  | 0        |                     |
| 124 | N176  | -5.5      | 3      | 3.643857  | 0        |                     |
| 125 | N177  | 5.5       | 3      | 3.643857  | 0        |                     |
| 126 | N178  | 6.05001   | 3      | 2.857878  | 0        |                     |
| 127 | N179  | 0.55001   | 3      | -6.668401 | 0        |                     |
| 128 | N180  | 5.905672  | 3      | 2.941211  | 0        |                     |
| 129 | N181  | 0.405672  | 3      | -6.585068 | 0        |                     |
| 130 | N182  | -0.55001  | 3      | -6.668401 | 0        |                     |
| 131 | N183  | -6.05001  | 3      | 2.857878  | 0        |                     |
| 132 | N184  | -0.405672 | 3      | -6.585068 | 0        |                     |
| 133 | N185  | -5.905672 | 3      | 2.941211  | 0        |                     |
| 134 | ACL   | -4.875    | 1.5    | 4.060523  | 0        |                     |
| 135 | N135B | 0.86251   | 0      | -6.127135 | 0        |                     |
| 136 | N136A | 1.079016  | 0      | -6.252135 | 0        |                     |
| 137 | N137A | 5.73751   | 0      | 2.316612  | 0        |                     |
| 138 | N138A | 5.954016  | 0      | 2.191612  | 0        |                     |
| 139 | N139A | 2.48751   | 0      | -3.312553 | 0        |                     |
| 140 | N140A | 2.704016  | 0      | -3.437553 | 0        |                     |
| 141 | N141A | 4.11251   | 0      | -0.49797  | 0        |                     |
| 142 | N142A | 4.329016  | 0      | -0.62297  | 0        |                     |
| 143 | N143  | 4.329016  | -2.5   | -0.62297  | 0        |                     |
| 144 | N144B | 4.329016  | 5.5    | -0.62297  | 0        |                     |
| 145 | N145A | 5.954016  | -2.5   | 2.191612  | 0        |                     |
| 146 | N146A | 5.954016  | 5.5    | 2.191612  | 0        |                     |
| 147 | N147A | 2.704016  | -2.5   | -3.437553 | 0        |                     |
| 148 | N148B | 2.704016  | 5.5    | -3.437553 | 0        |                     |
| 149 | N149A | 1.079016  | -2.5   | -6.252135 | 0        |                     |
| 150 | N150A | 1.079016  | 5.5    | -6.252135 | 0        |                     |
| 151 | N151A | 0.86251   | 3      | -6.127135 | 0        |                     |
| 152 | N152A | 1.079016  | 3      | -6.252135 | 0        |                     |
| 153 | N153A | 5.73751   | 3      | 2.316612  | 0        |                     |
| 154 | N154A | 5.954016  | 3      | 2.191612  | 0        |                     |
| 155 | N155A | 2.48751   | 3      | -3.312553 | 0        |                     |
| 156 | N156A | 2.704016  | 3      | -3.437553 | 0        |                     |
| 157 | N157A | 4.11251   | 3      | -0.49797  | 0        |                     |
| 158 | N158  | 4.329016  | 3      | -0.62297  | 0        |                     |
| 159 | N159  | 5.954016  | 1.5    | 2.191612  | 0        |                     |
| 160 | N160  | -5.73751  | 0      | 2.316612  | 0        |                     |
| 161 | N161  | -5.954016 | 0      | 2.191612  | 0        |                     |
| 162 | N162  | -0.86251  | 0      | -6.127135 | 0        |                     |

### Joint Coordinates and Temperatures (Continued)

|     | Label | X [ft]    | Y [ft] | Z [ft]    | Temp [F] | Detach From Diap... |
|-----|-------|-----------|--------|-----------|----------|---------------------|
| 163 | N163  | -1.079016 | 0      | -6.252135 | 0        |                     |
| 164 | N164  | -4.11251  | 0      | -0.49797  | 0        |                     |
| 165 | N165  | -4.329016 | 0      | -0.62297  | 0        |                     |
| 166 | N166  | -2.48751  | 0      | -3.312553 | 0        |                     |
| 167 | N167  | -2.704016 | 0      | -3.437553 | 0        |                     |
| 168 | N168  | -2.704016 | -2.5   | -3.437553 | 0        |                     |
| 169 | N169  | -2.704016 | 5.5    | -3.437553 | 0        |                     |
| 170 | N170  | -1.079016 | -2.5   | -6.252135 | 0        |                     |
| 171 | N171  | -1.079016 | 5.5    | -6.252135 | 0        |                     |
| 172 | N172  | -4.329016 | -2.5   | -0.62297  | 0        |                     |
| 173 | N173  | -4.329016 | 5.5    | -0.62297  | 0        |                     |
| 174 | N174A | -5.954016 | -2.5   | 2.191612  | 0        |                     |
| 175 | N175A | -5.954016 | 5.5    | 2.191612  | 0        |                     |
| 176 | N176A | -5.73751  | 3      | 2.316612  | 0        |                     |
| 177 | N177A | -5.954016 | 3      | 2.191612  | 0        |                     |
| 178 | N178A | -0.86251  | 3      | -6.127135 | 0        |                     |
| 179 | N179A | -1.079016 | 3      | -6.252135 | 0        |                     |
| 180 | N180A | -4.11251  | 3      | -0.49797  | 0        |                     |
| 181 | N181A | -4.329016 | 3      | -0.62297  | 0        |                     |
| 182 | N182A | -2.48751  | 3      | -3.312553 | 0        |                     |
| 183 | N183A | -2.704016 | 3      | -3.437553 | 0        |                     |
| 184 | N184A | -1.079016 | 1.5    | -6.252135 | 0        |                     |
| 185 | N185A | -4.875    | 3.5    | 4.060523  | 0        |                     |
| 186 | N186  | 0         | 0      | -1.708333 | 0        |                     |
| 187 | N187  | .25       | 0      | -1.708333 | 0        |                     |
| 188 | N188  | .25       | 1.5    | -1.708333 | 0        |                     |
| 189 | N189  | .25       | -1.5   | -1.708333 | 0        |                     |

### Hot Rolled Steel Section Sets

|   | Label                | Shape      | Type   | Design List  | Material       | Design R... | A [in <sup>2</sup> ] | I <sub>yy</sub> [in <sup>4</sup> ] | I <sub>zz</sub> [in <sup>4</sup> ] | J [in <sup>4</sup> ] |
|---|----------------------|------------|--------|--------------|----------------|-------------|----------------------|------------------------------------|------------------------------------|----------------------|
| 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 Rect | Typical     | 3.37                 | 7.8                                | 7.8                                | 12.8                 |
| 3 | Corner Plate         | PL1/2x6    | Beam   | BAR          | A36 Gr.36      | Typical     | 3                    | .063                               | 9                                  | .237                 |
| 4 | Platform Crossmem... | HSS4X4X4   | Beam   | SquareTube   | A500 Gr.B Rect | 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   | Column | Pipe         | A53 Gr.B       | Typical     | 1.02                 | .627                               | .627                               | 1.25                 |
| 7 | Cross Arm Plate      | PL3/8x6    | Column | RECT         | A36 Gr.36      | Typical     | 2.25                 | .026                               | 6.75                               | .101                 |
| 8 | Support Rail         | PIPE 2.0   | Column | Pipe         | A53 Gr.B       | Typical     | 1.02                 | .627                               | .627                               | 1.25                 |
| 9 | Support Rail Brace   | L2.5x2.5x4 | Beam   | Single Angle | A36 Gr.36      | Typical     | 1.19                 | .692                               | .692                               | .026                 |

### Hot Rolled Steel Properties

|   | Label          | E [ksi] | G [ksi] | Nu | Therm (/1E... | Density[k/ft... | Yield[ksi] | Ry  | Fu[ksi] | Rt  |
|---|----------------|---------|---------|----|---------------|-----------------|------------|-----|---------|-----|
| 1 | A992           | 29000   | 11154   | .3 | .65           | .49             | 50         | 1.1 | 65      | 1.1 |
| 2 | A36 Gr.36      | 29000   | 11154   | .3 | .65           | .49             | 36         | 1.5 | 58      | 1.2 |
| 3 | A572 Gr.50     | 29000   | 11154   | .3 | .65           | .49             | 50         | 1.1 | 65      | 1.1 |
| 4 | A500 Gr.B RND  | 29000   | 11154   | .3 | .65           | .527            | 42         | 1.4 | 58      | 1.3 |
| 5 | A500 Gr.B Rect | 29000   | 11154   | .3 | .65           | .527            | 46         | 1.4 | 58      | 1.3 |
| 6 | A53 Gr.B       | 29000   | 11154   | .3 | .65           | .49             | 35         | 1.6 | 60      | 1.2 |
| 7 | A1085          | 29000   | 11154   | .3 | .65           | .49             | 50         | 1.4 | 65      | 1.3 |
| 8 | Q235           | 29000   | 11154   | .3 | .65           | .49             | 35         | 1.5 | 58      | 1.2 |

**Member Primary Data**

|    | Label | I Joint | J Joint | K Joint | Rotate(deg) | Section/Shape     | Type   | Design List  | Material     | Design Rules |
|----|-------|---------|---------|---------|-------------|-------------------|--------|--------------|--------------|--------------|
| 1  | M121  | N176    | N185    |         | 180         | Support Rail B... | Beam   | Single Angle | A36 Gr.36    | Typical      |
| 2  | M122  | N184    | N181    |         | 180         | Support Rail B... | Beam   | Single Angle | A36 Gr.36    | Typical      |
| 3  | M123  | N180    | N177    |         | 180         | Support Rail B... | Beam   | Single Angle | A36 Gr.36    | Typical      |
| 4  | M100  | N144A   | N145    |         |             | Support Rail      | Column | Pipe         | A53 Gr.B     | Typical      |
| 5  | M105  | N154    | N155    |         |             | Support Rail      | Column | Pipe         | A53 Gr.B     | Typical      |
| 6  | M106  | N156    | N157    |         |             | Support Rail      | Column | Pipe         | A53 Gr.B     | Typical      |
| 7  | M4    | N3      | N27     |         |             | Standoff Horiz... | Beam   | SquareTube   | A500 Gr.B... | Typical      |
| 8  | M52A  | N87D    | N92     |         |             | Standoff Horiz... | Beam   | SquareTube   | A500 Gr.B... | Typical      |
| 9  | M76A  | N115    | N120    |         |             | Standoff Horiz... | Beam   | SquareTube   | A500 Gr.B... | Typical      |
| 10 | M19   | N8      | N9      |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 11 | M20   | N10     | N11     |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 12 | M21   | N12     | N13     |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 13 | M22   | N14     | N15     |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 14 | M35A  | N7      | N30     |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 15 | M36A  | N6      | N29     |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 16 | M52   | N87B    | N88C    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 17 | M58   | N102    | N24     |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 18 | M59   | N24     | N103A   |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 19 | M79   | N131    | N86A    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 20 | M83   | N135    | N86D    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 21 | M88   | N144    | N86B    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 22 | M92   | N148    | N86E    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 23 | M50   | N88C    | N88A    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 24 | M51   | N88A    | N86G    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 25 | M51A  | N87C    | N86G    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 26 | M56   | N90     | N94     |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 27 | M57   | N89     | N93     |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 28 | M60   | N113    | N114    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 29 | M61   | N96     | N91     |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 30 | M62   | N91     | N97     |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 31 | M65   | N100    | N104    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 32 | M67   | N101A   | N108    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 33 | M70   | N102A   | N105A   |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 34 | M72   | N103    | N109    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 35 | M73   | N114    | N110    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 36 | M74   | N110    | N112    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 37 | M75   | N111    | N112    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 38 | M80A  | N118    | N122    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 39 | M81   | N117    | N121    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 40 | M84A  | N141    | N142    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 41 | M85A  | N124    | N119    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 42 | M86   | N119    | N125    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 43 | M89   | N128    | N132    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 44 | M91A  | N129    | N136    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 45 | M94   | N130    | N133    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 46 | M96   | N131A   | N137    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 47 | M97   | N142    | N138    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 48 | M98   | N138    | N140    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 49 | M99   | N139    | N140    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 50 | M101  | N146    | N147    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 51 | M102  | N148A   | N149    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 52 | M103  | N150    | N151    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 53 | M104  | N152    | N153    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 54 | M115  | N174    | N176    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 55 | M116  | N175    | N177    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 56 | M117  | N178    | N180    |         |             | RIGID             | None   | None         | RIGID        | Typical      |

**Member Primary Data (Continued)**

|     | Label | I Joint | J Joint | K Joint | Rotate(deg) | Section/Shape     | Type   | Design List  | Material     | Design Rules |
|-----|-------|---------|---------|---------|-------------|-------------------|--------|--------------|--------------|--------------|
| 57  | M118  | N179    | N181    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 58  | M119  | N182    | N184    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 59  | M120  | N183    | N185    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 60  | M100A | N135B   | N136A   |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 61  | M101A | N137A   | N138A   |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 62  | M102A | N139A   | N140A   |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 63  | M103A | N141A   | N142A   |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 64  | M108  | N151A   | N152A   |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 65  | M109  | N153A   | N154A   |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 66  | M110  | N155A   | N156A   |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 67  | M111  | N157A   | N158    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 68  | M112  | N160    | N161    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 69  | M113  | N162    | N163    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 70  | M114  | N164    | N165    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 71  | M115A | N166    | N167    |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 72  | M120A | N176A   | N177A   |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 73  | M121A | N178A   | N179A   |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 74  | M122A | N180A   | N181A   |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 75  | M123A | N182A   | N183A   |         |             | RIGID             | None   | None         | RIGID        | Typical      |
| 76  | M10   | N101    | N103A   |         |             | Platform Cross... | Beam   | SquareTube   | A500 Gr.B... | Typical      |
| 77  | M43   | N102    | N5      |         |             | Platform Cross... | Beam   | SquareTube   | A500 Gr.B... | Typical      |
| 78  | M53   | N95     | N97     |         |             | Platform Cross... | Beam   | SquareTube   | A500 Gr.B... | Typical      |
| 79  | M54   | N96     | N88B    |         |             | Platform Cross... | Beam   | SquareTube   | A500 Gr.B... | Typical      |
| 80  | M77A  | N123    | N125    |         |             | Platform Cross... | Beam   | SquareTube   | A500 Gr.B... | Typical      |
| 81  | M78   | N124    | N116    |         |             | Platform Cross... | Beam   | SquareTube   | A500 Gr.B... | Typical      |
| 82  | MP3A  | N17     | N16     |         |             | Mount Pipe        | Column | Pipe         | A53 Gr.B     | Typical      |
| 83  | MP4A  | N19     | N18     |         |             | Mount Pipe        | Column | Pipe         | A53 Gr.B     | Typical      |
| 84  | MP2A  | N21     | N20     |         |             | Mount Pipe        | Column | Pipe         | A53 Gr.B     | Typical      |
| 85  | MP1A  | N23     | N22     |         |             | Mount Pipe        | Column | Pipe         | A53 Gr.B     | Typical      |
| 86  | MP3C  | N144B   | N143    |         |             | Mount Pipe        | Column | Pipe         | A53 Gr.B     | Typical      |
| 87  | MP4C  | N146A   | N145A   |         |             | Mount Pipe        | Column | Pipe         | A53 Gr.B     | Typical      |
| 88  | MP2C  | N148B   | N147A   |         |             | Mount Pipe        | Column | Pipe         | A53 Gr.B     | Typical      |
| 89  | MP1C  | N150A   | N149A   |         |             | Mount Pipe        | Column | Pipe         | A53 Gr.B     | Typical      |
| 90  | MP3B  | N169    | N168    |         |             | Mount Pipe        | Column | Pipe         | A53 Gr.B     | Typical      |
| 91  | MP4B  | N171    | N170    |         |             | Mount Pipe        | Column | Pipe         | A53 Gr.B     | Typical      |
| 92  | MP2B  | N173    | N172    |         |             | Mount Pipe        | Column | Pipe         | A53 Gr.B     | Typical      |
| 93  | MP1B  | N175A   | N174A   |         |             | Mount Pipe        | Column | Pipe         | A53 Gr.B     | Typical      |
| 94  | M51B  | N87C    | N6      |         |             | Grating Support   | Beam   | Single Angle | A36 Gr.36    | Typical      |
| 95  | M52B  | N7      | N87B    |         |             | Grating Support   | Beam   | Single Angle | A36 Gr.36    | Typical      |
| 96  | M58A  | N111    | N89     |         |             | Grating Support   | Beam   | Single Angle | A36 Gr.36    | Typical      |
| 97  | M59A  | N90     | N113    |         |             | Grating Support   | Beam   | Single Angle | A36 Gr.36    | Typical      |
| 98  | M82   | N139    | N117    |         |             | Grating Support   | Beam   | Single Angle | A36 Gr.36    | Typical      |
| 99  | M83A  | N118    | N141    |         |             | Grating Support   | Beam   | Single Angle | A36 Gr.36    | Typical      |
| 100 | M1    | N1      | N2      |         |             | Face Horizontal   | Beam   | Pipe         | A53 Gr.B     | Typical      |
| 101 | M82A  | N104B   | N105B   |         |             | Face Horizontal   | Beam   | Pipe         | A53 Gr.B     | Typical      |
| 102 | M91B  | N124A   | N125A   |         |             | Face Horizontal   | Beam   | Pipe         | A53 Gr.B     | Typical      |
| 103 | M76   | N101    | N105    |         |             | Cross Arm Plate   | Column | RECT         | A36 Gr.36    | Typical      |
| 104 | M77   | N105    | N131    |         |             | Cross Arm Plate   | Column | RECT         | A36 Gr.36    | Typical      |
| 105 | M84   | N5      | N104A   |         |             | Cross Arm Plate   | Column | RECT         | A36 Gr.36    | Typical      |
| 106 | M85   | N104A   | N144    |         |             | Cross Arm Plate   | Column | RECT         | A36 Gr.36    | Typical      |
| 107 | M63   | N95     | N99     |         |             | Cross Arm Plate   | Column | RECT         | A36 Gr.36    | Typical      |
| 108 | M64   | N99     | N100    |         |             | Cross Arm Plate   | Column | RECT         | A36 Gr.36    | Typical      |
| 109 | M68   | N88B    | N98     |         |             | Cross Arm Plate   | Column | RECT         | A36 Gr.36    | Typical      |
| 110 | M69   | N98     | N102A   |         |             | Cross Arm Plate   | Column | RECT         | A36 Gr.36    | Typical      |
| 111 | M87   | N123    | N127    |         |             | Cross Arm Plate   | Column | RECT         | A36 Gr.36    | Typical      |
| 112 | M88A  | N127    | N128    |         |             | Cross Arm Plate   | Column | RECT         | A36 Gr.36    | Typical      |
| 113 | M92A  | N116    | N126    |         |             | Cross Arm Plate   | Column | RECT         | A36 Gr.36    | Typical      |





Company :  
 Designer :  
 Job Number :  
 Model Name :

Nov 15, 2023  
 11:03 AM  
 Checked By: \_\_\_\_\_

**Member Primary Data (Continued)**

|     | Label | I Joint | J Joint | K Joint | Rotate(deg) | Section/Shape   | Type   | Design List | Material  | Design Rules |
|-----|-------|---------|---------|---------|-------------|-----------------|--------|-------------|-----------|--------------|
| 114 | M93   | N126    | N130    |         |             | Cross Arm Plate | Column | RECT        | A36 Gr.36 | Typical      |
| 115 | M46   | N86C    | N87A    |         |             | Corner Plate    | Beam   | BAR         | A36 Gr.36 | Typical      |
| 116 | M80   | N87A    | N135    |         |             | Corner Plate    | Beam   | BAR         | A36 Gr.36 | Typical      |
| 117 | M91   | N86C    | N148    |         |             | Corner Plate    | Beam   | BAR         | A36 Gr.36 | Typical      |
| 118 | M55   | N106    | N107    |         |             | Corner Plate    | Beam   | BAR         | A36 Gr.36 | Typical      |
| 119 | M66   | N107    | N101A   |         |             | Corner Plate    | Beam   | BAR         | A36 Gr.36 | Typical      |
| 120 | M71   | N106    | N103    |         |             | Corner Plate    | Beam   | BAR         | A36 Gr.36 | Typical      |
| 121 | M79A  | N134    | N135A   |         |             | Corner Plate    | Beam   | BAR         | A36 Gr.36 | Typical      |
| 122 | M90   | N135A   | N129    |         |             | Corner Plate    | Beam   | BAR         | A36 Gr.36 | Typical      |
| 123 | M95   | N134    | N131A   |         |             | Corner Plate    | Beam   | BAR         | A36 Gr.36 | Typical      |
| 124 | M124  | N186    | N187    |         |             | RIGID           | None   | None        | RIGID     | Typical      |
| 125 | OVP1  | N188    | N189    |         |             | Mount Pipe      | Column | Pipe        | A53 Gr.B  | Typical      |

**Member Advanced Data**

|    | Label | I Release | J Release | I Offset[in] | J Offset[in] | T/C Only | Physical | Defl Rat.. | Analysis ... | Inactive | Seismic... |
|----|-------|-----------|-----------|--------------|--------------|----------|----------|------------|--------------|----------|------------|
| 1  | M121  |           |           |              |              |          | Yes      |            |              |          | None       |
| 2  | M122  |           |           |              |              |          | Yes      |            |              |          | None       |
| 3  | M123  |           |           |              |              |          | Yes      |            |              |          | None       |
| 4  | M100  |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 5  | M105  |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 6  | M106  |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 7  | M4    |           |           |              |              |          | Yes      |            |              |          | None       |
| 8  | M52A  |           |           |              |              |          | Yes      |            |              |          | None       |
| 9  | M76A  |           |           |              |              |          | Yes      |            |              |          | None       |
| 10 | M19   |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 11 | M20   |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 12 | M21   |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 13 | M22   |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 14 | M35A  |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 15 | M36A  |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 16 | M52   |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 17 | M58   |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 18 | M59   |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 19 | M79   |           | BenPIN    |              |              |          | Yes      | ** NA **   |              |          | None       |
| 20 | M83   |           | BenPIN    |              |              |          | Yes      | ** NA **   |              |          | None       |
| 21 | M88   |           | BenPIN    |              |              |          | Yes      | ** NA **   |              |          | None       |
| 22 | M92   |           | BenPIN    |              |              |          | Yes      | ** NA **   |              |          | None       |
| 23 | M50   |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 24 | M51   |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 25 | M51A  |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 26 | M56   |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 27 | M57   |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 28 | M60   |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 29 | M61   |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 30 | M62   |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 31 | M65   |           | BenPIN    |              |              |          | Yes      | ** NA **   |              |          | None       |
| 32 | M67   |           | BenPIN    |              |              |          | Yes      | ** NA **   |              |          | None       |
| 33 | M70   |           | BenPIN    |              |              |          | Yes      | ** NA **   |              |          | None       |
| 34 | M72   |           | BenPIN    |              |              |          | Yes      | ** NA **   |              |          | None       |
| 35 | M73   |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 36 | M74   |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 37 | M75   |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 38 | M80A  |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 39 | M81   |           |           |              |              |          | Yes      | ** NA **   |              |          | None       |
| 40 | M84A  |           |           |              |              |          | 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.. |
|----|-------|-----------|-----------|--------------|--------------|----------|----------|------------|--------------|----------|-----------|
| 41 | M85A  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 42 | M86   |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 43 | M89   |           | BenPIN    |              |              |          | Yes      | ** NA **   |              |          | None      |
| 44 | M91A  |           | BenPIN    |              |              |          | Yes      | ** NA **   |              |          | None      |
| 45 | M94   |           | BenPIN    |              |              |          | Yes      | ** NA **   |              |          | None      |
| 46 | M96   |           | BenPIN    |              |              |          | Yes      | ** NA **   |              |          | None      |
| 47 | M97   |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 48 | M98   |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 49 | M99   |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 50 | M101  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 51 | M102  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 52 | M103  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 53 | M104  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 54 | M115  | OOOOOX    |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 55 | M116  | OOOOOX    |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 56 | M117  | OOOOOX    |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 57 | M118  | OOOOOX    |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 58 | M119  | OOOOOX    |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 59 | M120  | OOOOOX    |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 60 | M100A |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 61 | M101A |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 62 | M102A |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 63 | M103A |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 64 | M108  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 65 | M109  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 66 | M110  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 67 | M111  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 68 | M112  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 69 | M113  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 70 | M114  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 71 | M115A |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 72 | M120A |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 73 | M121A |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 74 | M122A |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 75 | M123A |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 76 | M10   |           |           |              |              |          | Yes      | Default    |              |          | None      |
| 77 | M43   |           |           |              |              |          | Yes      | Default    |              |          | None      |
| 78 | M53   |           |           |              |              |          | Yes      | Default    |              |          | None      |
| 79 | M54   |           |           |              |              |          | Yes      | Default    |              |          | None      |
| 80 | M77A  |           |           |              |              |          | Yes      | Default    |              |          | None      |
| 81 | M78   |           |           |              |              |          | Yes      | Default    |              |          | None      |
| 82 | MP3A  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 83 | MP4A  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 84 | MP2A  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 85 | MP1A  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 86 | MP3C  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 87 | MP4C  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 88 | MP2C  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 89 | MP1C  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 90 | MP3B  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 91 | MP4B  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 92 | MP2B  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 93 | MP1B  |           |           |              |              |          | Yes      | ** NA **   |              |          | None      |
| 94 | M51B  | OOOOOX    | OOOOOX    |              |              |          | Yes      | Default    |              |          | None      |
| 95 | M52B  | OOOOOX    | OOOOOX    |              |              |          | Yes      | Default    |              |          | None      |
| 96 | M58A  | OOOOOX    | OOOOOX    |              |              |          | Yes      | Default    |              |          | None      |
| 97 | M59A  | OOOOOX    | OOOOOX    |              |              |          | Yes      | Default    |              |          | 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... |
|-----|-------|-----------|-----------|--------------|--------------|----------|----------|-------------|--------------|----------|------------|
| 98  | M82   | OOOOOX    | OOOOOX    |              |              |          | Yes      | Default     |              |          | None       |
| 99  | M83A  | OOOOOX    | OOOOOX    |              |              |          | Yes      | Default     |              |          | None       |
| 100 | M1    |           |           |              |              |          | Yes      | Default     |              |          | None       |
| 101 | M82A  |           |           |              |              |          | Yes      | Default     |              |          | None       |
| 102 | M91B  |           |           |              |              |          | Yes      | Default     |              |          | None       |
| 103 | M76   |           |           |              |              |          | Yes      | ** NA **    |              |          | None       |
| 104 | M77   |           |           |              |              |          | Yes      | ** NA **    |              |          | None       |
| 105 | M84   |           |           |              |              |          | Yes      | ** NA **    |              |          | None       |
| 106 | M85   |           |           |              |              |          | Yes      | ** NA **    |              |          | None       |
| 107 | M63   |           |           |              |              |          | Yes      | ** NA **    |              |          | None       |
| 108 | M64   |           |           |              |              |          | Yes      | ** NA **    |              |          | None       |
| 109 | M68   |           |           |              |              |          | Yes      | ** NA **    |              |          | None       |
| 110 | M69   |           |           |              |              |          | Yes      | ** NA **    |              |          | None       |
| 111 | M87   |           |           |              |              |          | Yes      | ** NA **    |              |          | None       |
| 112 | M88A  |           |           |              |              |          | Yes      | ** NA **    |              |          | None       |
| 113 | M92A  |           |           |              |              |          | Yes      | ** NA **    |              |          | None       |
| 114 | M93   |           |           |              |              |          | Yes      | ** NA **    |              |          | None       |
| 115 | M46   |           |           |              |              |          | Yes      | Default     |              |          | None       |
| 116 | M80   |           |           |              |              |          | Yes      |             |              |          | None       |
| 117 | M91   |           |           |              |              |          | Yes      |             |              |          | None       |
| 118 | M55   |           |           |              |              |          | Yes      | Default     |              |          | None       |
| 119 | M66   |           |           |              |              |          | Yes      |             |              |          | None       |
| 120 | M71   |           |           |              |              |          | Yes      |             |              |          | None       |
| 121 | M79A  |           |           |              |              |          | Yes      | Default     |              |          | None       |
| 122 | M90   |           |           |              |              |          | Yes      |             |              |          | None       |
| 123 | M95   |           |           |              |              |          | Yes      |             |              |          | None       |
| 124 | M124  |           |           |              |              |          | Yes      | ** NA **    |              |          | None       |
| 125 | OVP1  |           |           |              |              |          | Yes      | ** NA **    |              |          | None       |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | Y         | -31.65             | 2              |
| 2  | MP2A         | My        | -.025              | 2              |
| 3  | MP2A         | Mz        | .02                | 2              |
| 4  | MP2A         | Y         | -31.65             | 6              |
| 5  | MP2A         | My        | -.025              | 6              |
| 6  | MP2A         | Mz        | .02                | 6              |
| 7  | MP2B         | Y         | -31.65             | 2              |
| 8  | MP2B         | My        | -.02               | 2              |
| 9  | MP2B         | Mz        | -.025              | 2              |
| 10 | MP2B         | Y         | -31.65             | 6              |
| 11 | MP2B         | My        | -.02               | 6              |
| 12 | MP2B         | Mz        | -.025              | 6              |
| 13 | MP2C         | Y         | -31.65             | 2              |
| 14 | MP2C         | My        | .031               | 2              |
| 15 | MP2C         | Mz        | .006               | 2              |
| 16 | MP2C         | Y         | -31.65             | 6              |
| 17 | MP2C         | My        | .031               | 6              |
| 18 | MP2C         | Mz        | .006               | 6              |
| 19 | MP2A         | Y         | -31.65             | 2              |
| 20 | MP2A         | My        | -.017              | 2              |
| 21 | MP2A         | Mz        | -.027              | 2              |
| 22 | MP2A         | Y         | -31.65             | 6              |
| 23 | MP2A         | My        | -.017              | 6              |
| 24 | MP2A         | Mz        | -.027              | 6              |



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 25 | MP2B         | Y         | -31.65             | 2              |
| 26 | MP2B         | My        | .027               | 2              |
| 27 | MP2B         | Mz        | -.017              | 2              |
| 28 | MP2B         | Y         | -31.65             | 6              |
| 29 | MP2B         | My        | .027               | 6              |
| 30 | MP2B         | Mz        | -.017              | 6              |
| 31 | MP2C         | Y         | -31.65             | 2              |
| 32 | MP2C         | My        | -.01               | 2              |
| 33 | MP2C         | Mz        | .03                | 2              |
| 34 | MP2C         | Y         | -31.65             | 6              |
| 35 | MP2C         | My        | -.01               | 6              |
| 36 | MP2C         | Mz        | .03                | 6              |
| 37 | MP4A         | Y         | -16.55             | 1              |
| 38 | MP4A         | My        | -.011              | 1              |
| 39 | MP4A         | Mz        | -.002              | 1              |
| 40 | MP4A         | Y         | -16.55             | 7              |
| 41 | MP4A         | My        | -.011              | 7              |
| 42 | MP4A         | Mz        | -.002              | 7              |
| 43 | MP4B         | Y         | -16.55             | 1              |
| 44 | MP4B         | My        | .002               | 1              |
| 45 | MP4B         | Mz        | -.011              | 1              |
| 46 | MP4B         | Y         | -16.55             | 7              |
| 47 | MP4B         | My        | .002               | 7              |
| 48 | MP4B         | Mz        | -.011              | 7              |
| 49 | MP4C         | Y         | -16.55             | 1              |
| 50 | MP4C         | My        | .006               | 1              |
| 51 | MP4C         | Mz        | .01                | 1              |
| 52 | MP4C         | Y         | -16.55             | 7              |
| 53 | MP4C         | My        | .006               | 7              |
| 54 | MP4C         | Mz        | .01                | 7              |
| 55 | MP3A         | Y         | -28.65             | 3              |
| 56 | MP3A         | My        | -.019              | 3              |
| 57 | MP3A         | Mz        | -.003              | 3              |
| 58 | MP3A         | Y         | -28.65             | 5              |
| 59 | MP3A         | My        | -.019              | 5              |
| 60 | MP3A         | Mz        | -.003              | 5              |
| 61 | MP3B         | Y         | -28.65             | 3              |
| 62 | MP3B         | My        | .003               | 3              |
| 63 | MP3B         | Mz        | -.019              | 3              |
| 64 | MP3B         | Y         | -28.65             | 5              |
| 65 | MP3B         | My        | .003               | 5              |
| 66 | MP3B         | Mz        | -.019              | 5              |
| 67 | MP3C         | Y         | -28.65             | 3              |
| 68 | MP3C         | My        | .01                | 3              |
| 69 | MP3C         | Mz        | .017               | 3              |
| 70 | MP3C         | Y         | -28.65             | 5              |
| 71 | MP3C         | My        | .01                | 5              |
| 72 | MP3C         | Mz        | .017               | 5              |
| 73 | MP1A         | Y         | -4.4               | 4              |
| 74 | MP1A         | My        | -.002              | 4              |
| 75 | MP1A         | Mz        | -.000382           | 4              |
| 76 | MP1B         | Y         | -4.4               | 4              |
| 77 | MP1B         | My        | .000382            | 4              |
| 78 | MP1B         | Mz        | -.002              | 4              |
| 79 | MP1C         | Y         | -4.4               | 4              |
| 80 | MP1C         | My        | .001               | 4              |
| 81 | MP1C         | Mz        | .002               | 4              |

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 82  | OVP1         | Y         | -32                | 1              |
| 83  | OVP1         | My        | 0                  | 1              |
| 84  | OVP1         | Mz        | 0                  | 1              |
| 85  | MP2A         | Y         | -10.4              | 4              |
| 86  | MP2A         | My        | .005               | 4              |
| 87  | MP2A         | Mz        | .000903            | 4              |
| 88  | MP2B         | Y         | -10.4              | 4              |
| 89  | MP2B         | My        | -.000903           | 4              |
| 90  | MP2B         | Mz        | .005               | 4              |
| 91  | MP2C         | Y         | -10.4              | 4              |
| 92  | MP2C         | My        | -.003              | 4              |
| 93  | MP2C         | Mz        | -.005              | 4              |
| 94  | MP2A         | Y         | -74.7              | 1.5            |
| 95  | MP2A         | My        | .049               | 1.5            |
| 96  | MP2A         | Mz        | .009               | 1.5            |
| 97  | MP2B         | Y         | -74.7              | 1.5            |
| 98  | MP2B         | My        | -.009              | 1.5            |
| 99  | MP2B         | Mz        | .049               | 1.5            |
| 100 | MP2C         | Y         | -74.7              | 1.5            |
| 101 | MP2C         | My        | -.025              | 1.5            |
| 102 | MP2C         | Mz        | -.043              | 1.5            |
| 103 | MP1A         | Y         | -79.1              | 1.5            |
| 104 | MP1A         | My        | .052               | 1.5            |
| 105 | MP1A         | Mz        | .009               | 1.5            |
| 106 | MP1B         | Y         | -79.1              | 1.5            |
| 107 | MP1B         | My        | -.009              | 1.5            |
| 108 | MP1B         | Mz        | .052               | 1.5            |
| 109 | MP1C         | Y         | -79.1              | 1.5            |
| 110 | MP1C         | My        | -.026              | 1.5            |
| 111 | MP1C         | Mz        | -.046              | 1.5            |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | Y         | -67.982            | 2              |
| 2  | MP2A         | My        | -.053              | 2              |
| 3  | MP2A         | Mz        | .042               | 2              |
| 4  | MP2A         | Y         | -67.982            | 6              |
| 5  | MP2A         | My        | -.053              | 6              |
| 6  | MP2A         | Mz        | .042               | 6              |
| 7  | MP2B         | Y         | -67.982            | 2              |
| 8  | MP2B         | My        | -.042              | 2              |
| 9  | MP2B         | Mz        | -.053              | 2              |
| 10 | MP2B         | Y         | -67.982            | 6              |
| 11 | MP2B         | My        | -.042              | 6              |
| 12 | MP2B         | Mz        | -.053              | 6              |
| 13 | MP2C         | Y         | -67.982            | 2              |
| 14 | MP2C         | My        | .067               | 2              |
| 15 | MP2C         | Mz        | .014               | 2              |
| 16 | MP2C         | Y         | -67.982            | 6              |
| 17 | MP2C         | My        | .067               | 6              |
| 18 | MP2C         | Mz        | .014               | 6              |
| 19 | MP2A         | Y         | -67.982            | 2              |
| 20 | MP2A         | My        | -.036              | 2              |
| 21 | MP2A         | Mz        | -.058              | 2              |
| 22 | MP2A         | Y         | -67.982            | 6              |
| 23 | MP2A         | My        | -.036              | 6              |



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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 24 | MP2A         | Mz        | -.058              | 6              |
| 25 | MP2B         | Y         | -67.982            | 2              |
| 26 | MP2B         | My        | .058               | 2              |
| 27 | MP2B         | Mz        | -.036              | 2              |
| 28 | MP2B         | Y         | -67.982            | 6              |
| 29 | MP2B         | My        | .058               | 6              |
| 30 | MP2B         | Mz        | -.036              | 6              |
| 31 | MP2C         | Y         | -67.982            | 2              |
| 32 | MP2C         | My        | -.021              | 2              |
| 33 | MP2C         | Mz        | .065               | 2              |
| 34 | MP2C         | Y         | -67.982            | 6              |
| 35 | MP2C         | My        | -.021              | 6              |
| 36 | MP2C         | Mz        | .065               | 6              |
| 37 | MP4A         | Y         | -58.875            | 1              |
| 38 | MP4A         | My        | -.039              | 1              |
| 39 | MP4A         | Mz        | -.007              | 1              |
| 40 | MP4A         | Y         | -58.875            | 7              |
| 41 | MP4A         | My        | -.039              | 7              |
| 42 | MP4A         | Mz        | -.007              | 7              |
| 43 | MP4B         | Y         | -58.875            | 1              |
| 44 | MP4B         | My        | .007               | 1              |
| 45 | MP4B         | Mz        | -.039              | 1              |
| 46 | MP4B         | Y         | -58.875            | 7              |
| 47 | MP4B         | My        | .007               | 7              |
| 48 | MP4B         | Mz        | -.039              | 7              |
| 49 | MP4C         | Y         | -58.875            | 1              |
| 50 | MP4C         | My        | .02                | 1              |
| 51 | MP4C         | Mz        | .034               | 1              |
| 52 | MP4C         | Y         | -58.875            | 7              |
| 53 | MP4C         | My        | .02                | 7              |
| 54 | MP4C         | Mz        | .034               | 7              |
| 55 | MP3A         | Y         | -28.922            | 3              |
| 56 | MP3A         | My        | -.019              | 3              |
| 57 | MP3A         | Mz        | -.003              | 3              |
| 58 | MP3A         | Y         | -28.922            | 5              |
| 59 | MP3A         | My        | -.019              | 5              |
| 60 | MP3A         | Mz        | -.003              | 5              |
| 61 | MP3B         | Y         | -28.922            | 3              |
| 62 | MP3B         | My        | .003               | 3              |
| 63 | MP3B         | Mz        | -.019              | 3              |
| 64 | MP3B         | Y         | -28.922            | 5              |
| 65 | MP3B         | My        | .003               | 5              |
| 66 | MP3B         | Mz        | -.019              | 5              |
| 67 | MP3C         | Y         | -28.922            | 3              |
| 68 | MP3C         | My        | .01                | 3              |
| 69 | MP3C         | Mz        | .017               | 3              |
| 70 | MP3C         | Y         | -28.922            | 5              |
| 71 | MP3C         | My        | .01                | 5              |
| 72 | MP3C         | Mz        | .017               | 5              |
| 73 | MP1A         | Y         | -13.016            | 4              |
| 74 | MP1A         | My        | -.006              | 4              |
| 75 | MP1A         | Mz        | -.001              | 4              |
| 76 | MP1B         | Y         | -13.016            | 4              |
| 77 | MP1B         | My        | .001               | 4              |
| 78 | MP1B         | Mz        | -.006              | 4              |
| 79 | MP1C         | Y         | -13.016            | 4              |
| 80 | MP1C         | My        | .003               | 4              |

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 81  | MP1C         | Mz        | .006               | 4              |
| 82  | OVP1         | Y         | -85.441            | 1              |
| 83  | OVP1         | My        | 0                  | 1              |
| 84  | OVP1         | Mz        | 0                  | 1              |
| 85  | MP2A         | Y         | -10.392            | 4              |
| 86  | MP2A         | My        | .005               | 4              |
| 87  | MP2A         | Mz        | .000902            | 4              |
| 88  | MP2B         | Y         | -10.392            | 4              |
| 89  | MP2B         | My        | -.000902           | 4              |
| 90  | MP2B         | Mz        | .005               | 4              |
| 91  | MP2C         | Y         | -10.392            | 4              |
| 92  | MP2C         | My        | -.003              | 4              |
| 93  | MP2C         | Mz        | -.004              | 4              |
| 94  | MP2A         | Y         | -43.598            | 1.5            |
| 95  | MP2A         | My        | .029               | 1.5            |
| 96  | MP2A         | Mz        | .005               | 1.5            |
| 97  | MP2B         | Y         | -43.598            | 1.5            |
| 98  | MP2B         | My        | -.005              | 1.5            |
| 99  | MP2B         | Mz        | .029               | 1.5            |
| 100 | MP2C         | Y         | -43.598            | 1.5            |
| 101 | MP2C         | My        | -.015              | 1.5            |
| 102 | MP2C         | Mz        | -.025              | 1.5            |
| 103 | MP1A         | Y         | -44.061            | 1.5            |
| 104 | MP1A         | My        | .029               | 1.5            |
| 105 | MP1A         | Mz        | .005               | 1.5            |
| 106 | MP1B         | Y         | -44.061            | 1.5            |
| 107 | MP1B         | My        | -.005              | 1.5            |
| 108 | MP1B         | Mz        | .029               | 1.5            |
| 109 | MP1C         | Y         | -44.061            | 1.5            |
| 110 | MP1C         | My        | -.015              | 1.5            |
| 111 | MP1C         | Mz        | -.025              | 1.5            |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | 0                  | 2              |
| 2  | MP2A         | Z         | -182.101           | 2              |
| 3  | MP2A         | Mx        | -.113              | 2              |
| 4  | MP2A         | X         | 0                  | 6              |
| 5  | MP2A         | Z         | -182.101           | 6              |
| 6  | MP2A         | Mx        | -.113              | 6              |
| 7  | MP2B         | X         | 0                  | 2              |
| 8  | MP2B         | Z         | -122.757           | 2              |
| 9  | MP2B         | Mx        | .097               | 2              |
| 10 | MP2B         | X         | 0                  | 6              |
| 11 | MP2B         | Z         | -122.757           | 6              |
| 12 | MP2B         | Mx        | .097               | 6              |
| 13 | MP2C         | X         | 0                  | 2              |
| 14 | MP2C         | Z         | -136.641           | 2              |
| 15 | MP2C         | Mx        | -.028              | 2              |
| 16 | MP2C         | X         | 0                  | 6              |
| 17 | MP2C         | Z         | -136.641           | 6              |
| 18 | MP2C         | Mx        | -.028              | 6              |
| 19 | MP2A         | X         | 0                  | 2              |
| 20 | MP2A         | Z         | -182.101           | 2              |
| 21 | MP2A         | Mx        | .156               | 2              |
| 22 | MP2A         | X         | 0                  | 6              |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 23 | MP2A         | Z         | -182.101           | 6              |
| 24 | MP2A         | Mx        | .156               | 6              |
| 25 | MP2B         | X         | 0                  | 2              |
| 26 | MP2B         | Z         | -122.757           | 2              |
| 27 | MP2B         | Mx        | .065               | 2              |
| 28 | MP2B         | X         | 0                  | 6              |
| 29 | MP2B         | Z         | -122.757           | 6              |
| 30 | MP2B         | Mx        | .065               | 6              |
| 31 | MP2C         | X         | 0                  | 2              |
| 32 | MP2C         | Z         | -136.641           | 2              |
| 33 | MP2C         | Mx        | -.13               | 2              |
| 34 | MP2C         | X         | 0                  | 6              |
| 35 | MP2C         | Z         | -136.641           | 6              |
| 36 | MP2C         | Mx        | -.13               | 6              |
| 37 | MP4A         | X         | 0                  | 1              |
| 38 | MP4A         | Z         | -161.729           | 1              |
| 39 | MP4A         | Mx        | .019               | 1              |
| 40 | MP4A         | X         | 0                  | 7              |
| 41 | MP4A         | Z         | -161.729           | 7              |
| 42 | MP4A         | Mx        | .019               | 7              |
| 43 | MP4B         | X         | 0                  | 1              |
| 44 | MP4B         | Z         | -109.566           | 1              |
| 45 | MP4B         | Mx        | .072               | 1              |
| 46 | MP4B         | X         | 0                  | 7              |
| 47 | MP4B         | Z         | -109.566           | 7              |
| 48 | MP4B         | Mx        | .072               | 7              |
| 49 | MP4C         | X         | 0                  | 1              |
| 50 | MP4C         | Z         | -121.77            | 1              |
| 51 | MP4C         | Mx        | -.07               | 1              |
| 52 | MP4C         | X         | 0                  | 7              |
| 53 | MP4C         | Z         | -121.77            | 7              |
| 54 | MP4C         | Mx        | -.07               | 7              |
| 55 | MP3A         | X         | 0                  | 3              |
| 56 | MP3A         | Z         | -75.132            | 3              |
| 57 | MP3A         | Mx        | .009               | 3              |
| 58 | MP3A         | X         | 0                  | 5              |
| 59 | MP3A         | Z         | -75.132            | 5              |
| 60 | MP3A         | Mx        | .009               | 5              |
| 61 | MP3B         | X         | 0                  | 3              |
| 62 | MP3B         | Z         | -30.903            | 3              |
| 63 | MP3B         | Mx        | .02                | 3              |
| 64 | MP3B         | X         | 0                  | 5              |
| 65 | MP3B         | Z         | -30.903            | 5              |
| 66 | MP3B         | Mx        | .02                | 5              |
| 67 | MP3C         | X         | 0                  | 3              |
| 68 | MP3C         | Z         | -41.25             | 3              |
| 69 | MP3C         | Mx        | -.024              | 3              |
| 70 | MP3C         | X         | 0                  | 5              |
| 71 | MP3C         | Z         | -41.25             | 5              |
| 72 | MP3C         | Mx        | -.024              | 5              |
| 73 | MP1A         | X         | 0                  | 4              |
| 74 | MP1A         | Z         | -35.081            | 4              |
| 75 | MP1A         | Mx        | .003               | 4              |
| 76 | MP1B         | X         | 0                  | 4              |
| 77 | MP1B         | Z         | -7.922             | 4              |
| 78 | MP1B         | Mx        | .004               | 4              |
| 79 | MP1C         | X         | 0                  | 4              |



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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|-----|--------------|-----------|--------------------|-----------------|
| 80  | MP1C         | Z         | -14.276            | 4               |
| 81  | MP1C         | Mx        | -.006              | 4               |
| 82  | OVP1         | X         | 0                  | 1               |
| 83  | OVP1         | Z         | -120.381           | 1               |
| 84  | OVP1         | Mx        | 0                  | 1               |
| 85  | MP2A         | X         | 0                  | 4               |
| 86  | MP2A         | Z         | -14.808            | 4               |
| 87  | MP2A         | Mx        | -.001              | 4               |
| 88  | MP2B         | X         | 0                  | 4               |
| 89  | MP2B         | Z         | -10.48             | 4               |
| 90  | MP2B         | Mx        | -.005              | 4               |
| 91  | MP2C         | X         | 0                  | 4               |
| 92  | MP2C         | Z         | -11.493            | 4               |
| 93  | MP2C         | Mx        | .005               | 4               |
| 94  | MP2A         | X         | 0                  | 1.5             |
| 95  | MP2A         | Z         | -61.993            | 1.5             |
| 96  | MP2A         | Mx        | -.007              | 1.5             |
| 97  | MP2B         | X         | 0                  | 1.5             |
| 98  | MP2B         | Z         | -42.633            | 1.5             |
| 99  | MP2B         | Mx        | -.028              | 1.5             |
| 100 | MP2C         | X         | 0                  | 1.5             |
| 101 | MP2C         | Z         | -47.163            | 1.5             |
| 102 | MP2C         | Mx        | .027               | 1.5             |
| 103 | MP1A         | X         | 0                  | 1.5             |
| 104 | MP1A         | Z         | -74.816            | 1.5             |
| 105 | MP1A         | Mx        | -.009              | 1.5             |
| 106 | MP1B         | X         | 0                  | 1.5             |
| 107 | MP1B         | Z         | -52.23             | 1.5             |
| 108 | MP1B         | Mx        | -.034              | 1.5             |
| 109 | MP1C         | X         | 0                  | 1.5             |
| 110 | MP1C         | Z         | -57.514            | 1.5             |
| 111 | MP1C         | Mx        | .033               | 1.5             |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 1  | MP2A         | X         | 88.309             | 2               |
| 2  | MP2A         | Z         | -152.955           | 2               |
| 3  | MP2A         | Mx        | -.165              | 2               |
| 4  | MP2A         | X         | 88.309             | 6               |
| 5  | MP2A         | Z         | -152.955           | 6               |
| 6  | MP2A         | Mx        | -.165              | 6               |
| 7  | MP2B         | X         | 64.12              | 2               |
| 8  | MP2B         | Z         | -111.059           | 2               |
| 9  | MP2B         | Mx        | .047               | 2               |
| 10 | MP2B         | X         | 64.12              | 6               |
| 11 | MP2B         | Z         | -111.059           | 6               |
| 12 | MP2B         | Mx        | .047               | 6               |
| 13 | MP2C         | X         | 84.109             | 2               |
| 14 | MP2C         | Z         | -145.68            | 2               |
| 15 | MP2C         | Mx        | .053               | 2               |
| 16 | MP2C         | X         | 84.109             | 6               |
| 17 | MP2C         | Z         | -145.68            | 6               |
| 18 | MP2C         | Mx        | .053               | 6               |
| 19 | MP2A         | X         | 88.309             | 2               |
| 20 | MP2A         | Z         | -152.955           | 2               |
| 21 | MP2A         | Mx        | .084               | 2               |



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 22 | MP2A         | X         | 88.309             | 6              |
| 23 | MP2A         | Z         | -152.955           | 6              |
| 24 | MP2A         | Mx        | .084               | 6              |
| 25 | MP2B         | X         | 64.12              | 2              |
| 26 | MP2B         | Z         | -111.059           | 2              |
| 27 | MP2B         | Mx        | .113               | 2              |
| 28 | MP2B         | X         | 64.12              | 6              |
| 29 | MP2B         | Z         | -111.059           | 6              |
| 30 | MP2B         | Mx        | .113               | 6              |
| 31 | MP2C         | X         | 84.109             | 2              |
| 32 | MP2C         | Z         | -145.68            | 2              |
| 33 | MP2C         | Mx        | -.165              | 2              |
| 34 | MP2C         | X         | 84.109             | 6              |
| 35 | MP2C         | Z         | -145.68            | 6              |
| 36 | MP2C         | Mx        | -.165              | 6              |
| 37 | MP4A         | X         | 78.455             | 1              |
| 38 | MP4A         | Z         | -135.888           | 1              |
| 39 | MP4A         | Mx        | -.036              | 1              |
| 40 | MP4A         | X         | 78.455             | 7              |
| 41 | MP4A         | Z         | -135.888           | 7              |
| 42 | MP4A         | Mx        | -.036              | 7              |
| 43 | MP4B         | X         | 57.193             | 1              |
| 44 | MP4B         | Z         | -99.061            | 1              |
| 45 | MP4B         | Mx        | .072               | 1              |
| 46 | MP4B         | X         | 57.193             | 7              |
| 47 | MP4B         | Z         | -99.061            | 7              |
| 48 | MP4B         | Mx        | .072               | 7              |
| 49 | MP4C         | X         | 74.763             | 1              |
| 50 | MP4C         | Z         | -129.493           | 1              |
| 51 | MP4C         | Mx        | -.05               | 1              |
| 52 | MP4C         | X         | 74.763             | 7              |
| 53 | MP4C         | Z         | -129.493           | 7              |
| 54 | MP4C         | Mx        | -.05               | 7              |
| 55 | MP3A         | X         | 35.523             | 3              |
| 56 | MP3A         | Z         | -61.527            | 3              |
| 57 | MP3A         | Mx        | -.016              | 3              |
| 58 | MP3A         | X         | 35.523             | 5              |
| 59 | MP3A         | Z         | -61.527            | 5              |
| 60 | MP3A         | Mx        | -.016              | 5              |
| 61 | MP3B         | X         | 17.495             | 3              |
| 62 | MP3B         | Z         | -30.302            | 3              |
| 63 | MP3B         | Mx        | .022               | 3              |
| 64 | MP3B         | X         | 17.495             | 5              |
| 65 | MP3B         | Z         | -30.302            | 5              |
| 66 | MP3B         | Mx        | .022               | 5              |
| 67 | MP3C         | X         | 32.392             | 3              |
| 68 | MP3C         | Z         | -56.105            | 3              |
| 69 | MP3C         | Mx        | -.022              | 3              |
| 70 | MP3C         | X         | 32.392             | 5              |
| 71 | MP3C         | Z         | -56.105            | 5              |
| 72 | MP3C         | Mx        | -.022              | 5              |
| 73 | MP1A         | X         | 16.286             | 4              |
| 74 | MP1A         | Z         | -28.208            | 4              |
| 75 | MP1A         | Mx        | -.006              | 4              |
| 76 | MP1B         | X         | 5.216              | 4              |
| 77 | MP1B         | Z         | -9.034             | 4              |
| 78 | MP1B         | Mx        | .005               | 4              |

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 79  | MP1C         | X         | 14.364             | 4              |
| 80  | MP1C         | Z         | -24.878            | 4              |
| 81  | MP1C         | Mx        | -.007              | 4              |
| 82  | OVP1         | X         | 52.515             | 1              |
| 83  | OVP1         | Z         | -90.959            | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | 7.204              | 4              |
| 86  | MP2A         | Z         | -12.478            | 4              |
| 87  | MP2A         | Mx        | .002               | 4              |
| 88  | MP2B         | X         | 5.44               | 4              |
| 89  | MP2B         | Z         | -9.422             | 4              |
| 90  | MP2B         | Mx        | -.005              | 4              |
| 91  | MP2C         | X         | 6.898              | 4              |
| 92  | MP2C         | Z         | -11.947            | 4              |
| 93  | MP2C         | Mx        | .003               | 4              |
| 94  | MP2A         | X         | 30.102             | 1.5            |
| 95  | MP2A         | Z         | -52.138            | 1.5            |
| 96  | MP2A         | Mx        | .014               | 1.5            |
| 97  | MP2B         | X         | 22.211             | 1.5            |
| 98  | MP2B         | Z         | -38.471            | 1.5            |
| 99  | MP2B         | Mx        | -.028              | 1.5            |
| 100 | MP2C         | X         | 28.732             | 1.5            |
| 101 | MP2C         | Z         | -49.765            | 1.5            |
| 102 | MP2C         | Mx        | .019               | 1.5            |
| 103 | MP1A         | X         | 36.365             | 1.5            |
| 104 | MP1A         | Z         | -62.986            | 1.5            |
| 105 | MP1A         | Mx        | .017               | 1.5            |
| 106 | MP1B         | X         | 27.158             | 1.5            |
| 107 | MP1B         | Z         | -47.04             | 1.5            |
| 108 | MP1B         | Mx        | -.034              | 1.5            |
| 109 | MP1C         | X         | 34.766             | 1.5            |
| 110 | MP1C         | Z         | -60.217            | 1.5            |
| 111 | MP1C         | Mx        | .023               | 1.5            |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | 127.259            | 2              |
| 2  | MP2A         | Z         | -73.473            | 2              |
| 3  | MP2A         | Mx        | -.146              | 2              |
| 4  | MP2A         | X         | 127.259            | 6              |
| 5  | MP2A         | Z         | -73.473            | 6              |
| 6  | MP2A         | Mx        | -.146              | 6              |
| 7  | MP2B         | X         | 136.756            | 2              |
| 8  | MP2B         | Z         | -78.956            | 2              |
| 9  | MP2B         | Mx        | -.023              | 2              |
| 10 | MP2B         | X         | 136.756            | 6              |
| 11 | MP2B         | Z         | -78.956            | 6              |
| 12 | MP2B         | Mx        | -.023              | 6              |
| 13 | MP2C         | X         | 159.353            | 2              |
| 14 | MP2C         | Z         | -92.003            | 2              |
| 15 | MP2C         | Mx        | .138               | 2              |
| 16 | MP2C         | X         | 159.353            | 6              |
| 17 | MP2C         | Z         | -92.003            | 6              |
| 18 | MP2C         | Mx        | .138               | 6              |
| 19 | MP2A         | X         | 127.259            | 2              |
| 20 | MP2A         | Z         | -73.473            | 2              |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 21 | MP2A         | Mx        | -.004              | 2              |
| 22 | MP2A         | X         | 127.259            | 6              |
| 23 | MP2A         | Z         | -73.473            | 6              |
| 24 | MP2A         | Mx        | -.004              | 6              |
| 25 | MP2B         | X         | 136.756            | 2              |
| 26 | MP2B         | Z         | -78.956            | 2              |
| 27 | MP2B         | Mx        | .158               | 2              |
| 28 | MP2B         | X         | 136.756            | 6              |
| 29 | MP2B         | Z         | -78.956            | 6              |
| 30 | MP2B         | Mx        | .158               | 6              |
| 31 | MP2C         | X         | 159.353            | 2              |
| 32 | MP2C         | Z         | -92.003            | 2              |
| 33 | MP2C         | Mx        | -.138              | 2              |
| 34 | MP2C         | X         | 159.353            | 6              |
| 35 | MP2C         | Z         | -92.003            | 6              |
| 36 | MP2C         | Mx        | -.138              | 6              |
| 37 | MP4A         | X         | 113.3              | 1              |
| 38 | MP4A         | Z         | -65.414            | 1              |
| 39 | MP4A         | Mx        | -.067              | 1              |
| 40 | MP4A         | X         | 113.3              | 7              |
| 41 | MP4A         | Z         | -65.414            | 7              |
| 42 | MP4A         | Mx        | -.067              | 7              |
| 43 | MP4B         | X         | 121.648            | 1              |
| 44 | MP4B         | Z         | -70.234            | 1              |
| 45 | MP4B         | Mx        | .06                | 1              |
| 46 | MP4B         | X         | 121.648            | 7              |
| 47 | MP4B         | Z         | -70.234            | 7              |
| 48 | MP4B         | Mx        | .06                | 7              |
| 49 | MP4C         | X         | 141.511            | 1              |
| 50 | MP4C         | Z         | -81.702            | 1              |
| 51 | MP4C         | Mx        | 0                  | 1              |
| 52 | MP4C         | X         | 141.511            | 7              |
| 53 | MP4C         | Z         | -81.702            | 7              |
| 54 | MP4C         | Mx        | 0                  | 7              |
| 55 | MP3A         | X         | 42.375             | 3              |
| 56 | MP3A         | Z         | -24.465            | 3              |
| 57 | MP3A         | Mx        | -.025              | 3              |
| 58 | MP3A         | X         | 42.375             | 5              |
| 59 | MP3A         | Z         | -24.465            | 5              |
| 60 | MP3A         | Mx        | -.025              | 5              |
| 61 | MP3B         | X         | 49.453             | 3              |
| 62 | MP3B         | Z         | -28.552            | 3              |
| 63 | MP3B         | Mx        | .024               | 3              |
| 64 | MP3B         | X         | 49.453             | 5              |
| 65 | MP3B         | Z         | -28.552            | 5              |
| 66 | MP3B         | Mx        | .024               | 5              |
| 67 | MP3C         | X         | 66.295             | 3              |
| 68 | MP3C         | Z         | -38.276            | 3              |
| 69 | MP3C         | Mx        | 0                  | 3              |
| 70 | MP3C         | X         | 66.295             | 5              |
| 71 | MP3C         | Z         | -38.276            | 5              |
| 72 | MP3C         | Mx        | 0                  | 5              |
| 73 | MP1A         | X         | 16.448             | 4              |
| 74 | MP1A         | Z         | -9.496             | 4              |
| 75 | MP1A         | Mx        | -.007              | 4              |
| 76 | MP1B         | X         | 20.794             | 4              |
| 77 | MP1B         | Z         | -12.006            | 4              |

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 78  | MP1B         | Mx        | .008               | 4              |
| 79  | MP1C         | X         | 31.136             | 4              |
| 80  | MP1C         | Z         | -17.976            | 4              |
| 81  | MP1C         | Mx        | 0                  | 4              |
| 82  | OVP1         | X         | 84.312             | 1              |
| 83  | OVP1         | Z         | -48.678            | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | 10.604             | 4              |
| 86  | MP2A         | Z         | -6.122             | 4              |
| 87  | MP2A         | Mx        | .005               | 4              |
| 88  | MP2B         | X         | 11.296             | 4              |
| 89  | MP2B         | Z         | -6.522             | 4              |
| 90  | MP2B         | Mx        | -.004              | 4              |
| 91  | MP2C         | X         | 12.944             | 4              |
| 92  | MP2C         | Z         | -7.473             | 4              |
| 93  | MP2C         | Mx        | 0                  | 4              |
| 94  | MP2A         | X         | 43.755             | 1.5            |
| 95  | MP2A         | Z         | -25.262            | 1.5            |
| 96  | MP2A         | Mx        | .026               | 1.5            |
| 97  | MP2B         | X         | 46.854             | 1.5            |
| 98  | MP2B         | Z         | -27.051            | 1.5            |
| 99  | MP2B         | Mx        | -.023              | 1.5            |
| 100 | MP2C         | X         | 54.226             | 1.5            |
| 101 | MP2C         | Z         | -31.307            | 1.5            |
| 102 | MP2C         | Mx        | 0                  | 1.5            |
| 103 | MP1A         | X         | 53.205             | 1.5            |
| 104 | MP1A         | Z         | -30.718            | 1.5            |
| 105 | MP1A         | Mx        | .031               | 1.5            |
| 106 | MP1B         | X         | 56.82              | 1.5            |
| 107 | MP1B         | Z         | -32.805            | 1.5            |
| 108 | MP1B         | Mx        | -.028              | 1.5            |
| 109 | MP1C         | X         | 65.421             | 1.5            |
| 110 | MP1C         | Z         | -37.771            | 1.5            |
| 111 | MP1C         | Mx        | 0                  | 1.5            |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | 122.757            | 2              |
| 2  | MP2A         | Z         | 0                  | 2              |
| 3  | MP2A         | Mx        | -.097              | 2              |
| 4  | MP2A         | X         | 122.757            | 6              |
| 5  | MP2A         | Z         | 0                  | 6              |
| 6  | MP2A         | Mx        | -.097              | 6              |
| 7  | MP2B         | X         | 182.101            | 2              |
| 8  | MP2B         | Z         | 0                  | 2              |
| 9  | MP2B         | Mx        | -.113              | 2              |
| 10 | MP2B         | X         | 182.101            | 6              |
| 11 | MP2B         | Z         | 0                  | 6              |
| 12 | MP2B         | Mx        | -.113              | 6              |
| 13 | MP2C         | X         | 168.217            | 2              |
| 14 | MP2C         | Z         | 0                  | 2              |
| 15 | MP2C         | Mx        | .165               | 2              |
| 16 | MP2C         | X         | 168.217            | 6              |
| 17 | MP2C         | Z         | 0                  | 6              |
| 18 | MP2C         | Mx        | .165               | 6              |
| 19 | MP2A         | X         | 122.757            | 2              |



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 20 | MP2A         | Z         | 0                  | 2              |
| 21 | MP2A         | Mx        | -.065              | 2              |
| 22 | MP2A         | X         | 122.757            | 6              |
| 23 | MP2A         | Z         | 0                  | 6              |
| 24 | MP2A         | Mx        | -.065              | 6              |
| 25 | MP2B         | X         | 182.101            | 2              |
| 26 | MP2B         | Z         | 0                  | 2              |
| 27 | MP2B         | Mx        | .156               | 2              |
| 28 | MP2B         | X         | 182.101            | 6              |
| 29 | MP2B         | Z         | 0                  | 6              |
| 30 | MP2B         | Mx        | .156               | 6              |
| 31 | MP2C         | X         | 168.217            | 2              |
| 32 | MP2C         | Z         | 0                  | 2              |
| 33 | MP2C         | Mx        | -.053              | 2              |
| 34 | MP2C         | X         | 168.217            | 6              |
| 35 | MP2C         | Z         | 0                  | 6              |
| 36 | MP2C         | Mx        | -.053              | 6              |
| 37 | MP4A         | X         | 109.566            | 1              |
| 38 | MP4A         | Z         | 0                  | 1              |
| 39 | MP4A         | Mx        | -.072              | 1              |
| 40 | MP4A         | X         | 109.566            | 7              |
| 41 | MP4A         | Z         | 0                  | 7              |
| 42 | MP4A         | Mx        | -.072              | 7              |
| 43 | MP4B         | X         | 161.729            | 1              |
| 44 | MP4B         | Z         | 0                  | 1              |
| 45 | MP4B         | Mx        | .019               | 1              |
| 46 | MP4B         | X         | 161.729            | 7              |
| 47 | MP4B         | Z         | 0                  | 7              |
| 48 | MP4B         | Mx        | .019               | 7              |
| 49 | MP4C         | X         | 149.525            | 1              |
| 50 | MP4C         | Z         | 0                  | 1              |
| 51 | MP4C         | Mx        | .05                | 1              |
| 52 | MP4C         | X         | 149.525            | 7              |
| 53 | MP4C         | Z         | 0                  | 7              |
| 54 | MP4C         | Mx        | .05                | 7              |
| 55 | MP3A         | X         | 30.903             | 3              |
| 56 | MP3A         | Z         | 0                  | 3              |
| 57 | MP3A         | Mx        | -.02               | 3              |
| 58 | MP3A         | X         | 30.903             | 5              |
| 59 | MP3A         | Z         | 0                  | 5              |
| 60 | MP3A         | Mx        | -.02               | 5              |
| 61 | MP3B         | X         | 75.132             | 3              |
| 62 | MP3B         | Z         | 0                  | 3              |
| 63 | MP3B         | Mx        | .009               | 3              |
| 64 | MP3B         | X         | 75.132             | 5              |
| 65 | MP3B         | Z         | 0                  | 5              |
| 66 | MP3B         | Mx        | .009               | 5              |
| 67 | MP3C         | X         | 64.784             | 3              |
| 68 | MP3C         | Z         | 0                  | 3              |
| 69 | MP3C         | Mx        | .022               | 3              |
| 70 | MP3C         | X         | 64.784             | 5              |
| 71 | MP3C         | Z         | 0                  | 5              |
| 72 | MP3C         | Mx        | .022               | 5              |
| 73 | MP1A         | X         | 7.922              | 4              |
| 74 | MP1A         | Z         | 0                  | 4              |
| 75 | MP1A         | Mx        | -.004              | 4              |
| 76 | MP1B         | X         | 35.081             | 4              |

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|-----|--------------|-----------|--------------------|-----------------|
| 77  | MP1B         | Z         | 0                  | 4               |
| 78  | MP1B         | Mx        | .003               | 4               |
| 79  | MP1C         | X         | 28.727             | 4               |
| 80  | MP1C         | Z         | 0                  | 4               |
| 81  | MP1C         | Mx        | .007               | 4               |
| 82  | OVP1         | X         | 105.03             | 1               |
| 83  | OVP1         | Z         | 0                  | 1               |
| 84  | OVP1         | Mx        | 0                  | 1               |
| 85  | MP2A         | X         | 10.48              | 4               |
| 86  | MP2A         | Z         | 0                  | 4               |
| 87  | MP2A         | Mx        | .005               | 4               |
| 88  | MP2B         | X         | 14.808             | 4               |
| 89  | MP2B         | Z         | 0                  | 4               |
| 90  | MP2B         | Mx        | -.001              | 4               |
| 91  | MP2C         | X         | 13.795             | 4               |
| 92  | MP2C         | Z         | 0                  | 4               |
| 93  | MP2C         | Mx        | -.003              | 4               |
| 94  | MP2A         | X         | 42.633             | 1.5             |
| 95  | MP2A         | Z         | 0                  | 1.5             |
| 96  | MP2A         | Mx        | .028               | 1.5             |
| 97  | MP2B         | X         | 61.993             | 1.5             |
| 98  | MP2B         | Z         | 0                  | 1.5             |
| 99  | MP2B         | Mx        | -.007              | 1.5             |
| 100 | MP2C         | X         | 57.464             | 1.5             |
| 101 | MP2C         | Z         | 0                  | 1.5             |
| 102 | MP2C         | Mx        | -.019              | 1.5             |
| 103 | MP1A         | X         | 52.23              | 1.5             |
| 104 | MP1A         | Z         | 0                  | 1.5             |
| 105 | MP1A         | Mx        | .034               | 1.5             |
| 106 | MP1B         | X         | 74.816             | 1.5             |
| 107 | MP1B         | Z         | 0                  | 1.5             |
| 108 | MP1B         | Mx        | -.009              | 1.5             |
| 109 | MP1C         | X         | 69.532             | 1.5             |
| 110 | MP1C         | Z         | 0                  | 1.5             |
| 111 | MP1C         | Mx        | -.023              | 1.5             |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 1  | MP2A         | X         | 111.059            | 2               |
| 2  | MP2A         | Z         | 64.12              | 2               |
| 3  | MP2A         | Mx        | -.047              | 2               |
| 4  | MP2A         | X         | 111.059            | 6               |
| 5  | MP2A         | Z         | 64.12              | 6               |
| 6  | MP2A         | Mx        | -.047              | 6               |
| 7  | MP2B         | X         | 152.955            | 2               |
| 8  | MP2B         | Z         | 88.309             | 2               |
| 9  | MP2B         | Mx        | -.165              | 2               |
| 10 | MP2B         | X         | 152.955            | 6               |
| 11 | MP2B         | Z         | 88.309             | 6               |
| 12 | MP2B         | Mx        | -.165              | 6               |
| 13 | MP2C         | X         | 118.334            | 2               |
| 14 | MP2C         | Z         | 68.32              | 2               |
| 15 | MP2C         | Mx        | .13                | 2               |
| 16 | MP2C         | X         | 118.334            | 6               |
| 17 | MP2C         | Z         | 68.32              | 6               |
| 18 | MP2C         | Mx        | .13                | 6               |



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 Model Name :

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 19 | MP2A         | X         | 111.059            | 2              |
| 20 | MP2A         | Z         | 64.12              | 2              |
| 21 | MP2A         | Mx        | -.113              | 2              |
| 22 | MP2A         | X         | 111.059            | 6              |
| 23 | MP2A         | Z         | 64.12              | 6              |
| 24 | MP2A         | Mx        | -.113              | 6              |
| 25 | MP2B         | X         | 152.955            | 2              |
| 26 | MP2B         | Z         | 88.309             | 2              |
| 27 | MP2B         | Mx        | .084               | 2              |
| 28 | MP2B         | X         | 152.955            | 6              |
| 29 | MP2B         | Z         | 88.309             | 6              |
| 30 | MP2B         | Mx        | .084               | 6              |
| 31 | MP2C         | X         | 118.334            | 2              |
| 32 | MP2C         | Z         | 68.32              | 2              |
| 33 | MP2C         | Mx        | .028               | 2              |
| 34 | MP2C         | X         | 118.334            | 6              |
| 35 | MP2C         | Z         | 68.32              | 6              |
| 36 | MP2C         | Mx        | .028               | 6              |
| 37 | MP4A         | X         | 99.061             | 1              |
| 38 | MP4A         | Z         | 57.193             | 1              |
| 39 | MP4A         | Mx        | -.072              | 1              |
| 40 | MP4A         | X         | 99.061             | 7              |
| 41 | MP4A         | Z         | 57.193             | 7              |
| 42 | MP4A         | Mx        | -.072              | 7              |
| 43 | MP4B         | X         | 135.888            | 1              |
| 44 | MP4B         | Z         | 78.455             | 1              |
| 45 | MP4B         | Mx        | -.036              | 1              |
| 46 | MP4B         | X         | 135.888            | 7              |
| 47 | MP4B         | Z         | 78.455             | 7              |
| 48 | MP4B         | Mx        | -.036              | 7              |
| 49 | MP4C         | X         | 105.456            | 1              |
| 50 | MP4C         | Z         | 60.885             | 1              |
| 51 | MP4C         | Mx        | .07                | 1              |
| 52 | MP4C         | X         | 105.456            | 7              |
| 53 | MP4C         | Z         | 60.885             | 7              |
| 54 | MP4C         | Mx        | .07                | 7              |
| 55 | MP3A         | X         | 30.302             | 3              |
| 56 | MP3A         | Z         | 17.495             | 3              |
| 57 | MP3A         | Mx        | -.022              | 3              |
| 58 | MP3A         | X         | 30.302             | 5              |
| 59 | MP3A         | Z         | 17.495             | 5              |
| 60 | MP3A         | Mx        | -.022              | 5              |
| 61 | MP3B         | X         | 61.527             | 3              |
| 62 | MP3B         | Z         | 35.523             | 3              |
| 63 | MP3B         | Mx        | -.016              | 3              |
| 64 | MP3B         | X         | 61.527             | 5              |
| 65 | MP3B         | Z         | 35.523             | 5              |
| 66 | MP3B         | Mx        | -.016              | 5              |
| 67 | MP3C         | X         | 35.724             | 3              |
| 68 | MP3C         | Z         | 20.625             | 3              |
| 69 | MP3C         | Mx        | .024               | 3              |
| 70 | MP3C         | X         | 35.724             | 5              |
| 71 | MP3C         | Z         | 20.625             | 5              |
| 72 | MP3C         | Mx        | .024               | 5              |
| 73 | MP1A         | X         | 9.034              | 4              |
| 74 | MP1A         | Z         | 5.216              | 4              |
| 75 | MP1A         | Mx        | -.005              | 4              |





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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 76  | MP1B         | X         | 28.208             | 4              |
| 77  | MP1B         | Z         | 16.286             | 4              |
| 78  | MP1B         | Mx        | -.006              | 4              |
| 79  | MP1C         | X         | 12.363             | 4              |
| 80  | MP1C         | Z         | 7.138              | 4              |
| 81  | MP1C         | Mx        | .006               | 4              |
| 82  | OVP1         | X         | 104.253            | 1              |
| 83  | OVP1         | Z         | 60.191             | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | 9.422              | 4              |
| 86  | MP2A         | Z         | 5.44               | 4              |
| 87  | MP2A         | Mx        | .005               | 4              |
| 88  | MP2B         | X         | 12.478             | 4              |
| 89  | MP2B         | Z         | 7.204              | 4              |
| 90  | MP2B         | Mx        | .002               | 4              |
| 91  | MP2C         | X         | 9.953              | 4              |
| 92  | MP2C         | Z         | 5.746              | 4              |
| 93  | MP2C         | Mx        | -.005              | 4              |
| 94  | MP2A         | X         | 38.471             | 1.5            |
| 95  | MP2A         | Z         | 22.211             | 1.5            |
| 96  | MP2A         | Mx        | .028               | 1.5            |
| 97  | MP2B         | X         | 52.138             | 1.5            |
| 98  | MP2B         | Z         | 30.102             | 1.5            |
| 99  | MP2B         | Mx        | .014               | 1.5            |
| 100 | MP2C         | X         | 40.844             | 1.5            |
| 101 | MP2C         | Z         | 23.581             | 1.5            |
| 102 | MP2C         | Mx        | -.027              | 1.5            |
| 103 | MP1A         | X         | 47.04              | 1.5            |
| 104 | MP1A         | Z         | 27.158             | 1.5            |
| 105 | MP1A         | Mx        | .034               | 1.5            |
| 106 | MP1B         | X         | 62.986             | 1.5            |
| 107 | MP1B         | Z         | 36.365             | 1.5            |
| 108 | MP1B         | Mx        | .017               | 1.5            |
| 109 | MP1C         | X         | 49.809             | 1.5            |
| 110 | MP1C         | Z         | 28.757             | 1.5            |
| 111 | MP1C         | Mx        | -.033              | 1.5            |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | 78.956             | 2              |
| 2  | MP2A         | Z         | 136.756            | 2              |
| 3  | MP2A         | Mx        | .023               | 2              |
| 4  | MP2A         | X         | 78.956             | 6              |
| 5  | MP2A         | Z         | 136.756            | 6              |
| 6  | MP2A         | Mx        | .023               | 6              |
| 7  | MP2B         | X         | 73.473             | 2              |
| 8  | MP2B         | Z         | 127.259            | 2              |
| 9  | MP2B         | Mx        | -.146              | 2              |
| 10 | MP2B         | X         | 73.473             | 6              |
| 11 | MP2B         | Z         | 127.259            | 6              |
| 12 | MP2B         | Mx        | -.146              | 6              |
| 13 | MP2C         | X         | 60.426             | 2              |
| 14 | MP2C         | Z         | 104.661            | 2              |
| 15 | MP2C         | Mx        | .081               | 2              |
| 16 | MP2C         | X         | 60.426             | 6              |
| 17 | MP2C         | Z         | 104.661            | 6              |



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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 18 | MP2C         | Mx        | .081               | 6              |
| 19 | MP2A         | X         | 78.956             | 2              |
| 20 | MP2A         | Z         | 136.756            | 2              |
| 21 | MP2A         | Mx        | -.158              | 2              |
| 22 | MP2A         | X         | 78.956             | 6              |
| 23 | MP2A         | Z         | 136.756            | 6              |
| 24 | MP2A         | Mx        | -.158              | 6              |
| 25 | MP2B         | X         | 73.473             | 2              |
| 26 | MP2B         | Z         | 127.259            | 2              |
| 27 | MP2B         | Mx        | -.004              | 2              |
| 28 | MP2B         | X         | 73.473             | 6              |
| 29 | MP2B         | Z         | 127.259            | 6              |
| 30 | MP2B         | Mx        | -.004              | 6              |
| 31 | MP2C         | X         | 60.426             | 2              |
| 32 | MP2C         | Z         | 104.661            | 2              |
| 33 | MP2C         | Mx        | .081               | 2              |
| 34 | MP2C         | X         | 60.426             | 6              |
| 35 | MP2C         | Z         | 104.661            | 6              |
| 36 | MP2C         | Mx        | .081               | 6              |
| 37 | MP4A         | X         | 70.234             | 1              |
| 38 | MP4A         | Z         | 121.648            | 1              |
| 39 | MP4A         | Mx        | -.06               | 1              |
| 40 | MP4A         | X         | 70.234             | 7              |
| 41 | MP4A         | Z         | 121.648            | 7              |
| 42 | MP4A         | Mx        | -.06               | 7              |
| 43 | MP4B         | X         | 65.414             | 1              |
| 44 | MP4B         | Z         | 113.3              | 1              |
| 45 | MP4B         | Mx        | -.067              | 1              |
| 46 | MP4B         | X         | 65.414             | 7              |
| 47 | MP4B         | Z         | 113.3              | 7              |
| 48 | MP4B         | Mx        | -.067              | 7              |
| 49 | MP4C         | X         | 53.946             | 1              |
| 50 | MP4C         | Z         | 93.437             | 1              |
| 51 | MP4C         | Mx        | .072               | 1              |
| 52 | MP4C         | X         | 53.946             | 7              |
| 53 | MP4C         | Z         | 93.437             | 7              |
| 54 | MP4C         | Mx        | .072               | 7              |
| 55 | MP3A         | X         | 28.552             | 3              |
| 56 | MP3A         | Z         | 49.453             | 3              |
| 57 | MP3A         | Mx        | -.024              | 3              |
| 58 | MP3A         | X         | 28.552             | 5              |
| 59 | MP3A         | Z         | 49.453             | 5              |
| 60 | MP3A         | Mx        | -.024              | 5              |
| 61 | MP3B         | X         | 24.465             | 3              |
| 62 | MP3B         | Z         | 42.375             | 3              |
| 63 | MP3B         | Mx        | -.025              | 3              |
| 64 | MP3B         | X         | 24.465             | 5              |
| 65 | MP3B         | Z         | 42.375             | 5              |
| 66 | MP3B         | Mx        | -.025              | 5              |
| 67 | MP3C         | X         | 14.742             | 3              |
| 68 | MP3C         | Z         | 25.534             | 3              |
| 69 | MP3C         | Mx        | .02                | 3              |
| 70 | MP3C         | X         | 14.742             | 5              |
| 71 | MP3C         | Z         | 25.534             | 5              |
| 72 | MP3C         | Mx        | .02                | 5              |
| 73 | MP1A         | X         | 12.006             | 4              |
| 74 | MP1A         | Z         | 20.794             | 4              |

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 75  | MP1A         | Mx        | -.008              | 4              |
| 76  | MP1B         | X         | 9.496              | 4              |
| 77  | MP1B         | Z         | 16.448             | 4              |
| 78  | MP1B         | Mx        | -.007              | 4              |
| 79  | MP1C         | X         | 3.525              | 4              |
| 80  | MP1C         | Z         | 6.106              | 4              |
| 81  | MP1C         | Mx        | .004               | 4              |
| 82  | OVP1         | X         | 64.028             | 1              |
| 83  | OVP1         | Z         | 110.9              | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | 6.522              | 4              |
| 86  | MP2A         | Z         | 11.296             | 4              |
| 87  | MP2A         | Mx        | .004               | 4              |
| 88  | MP2B         | X         | 6.122              | 4              |
| 89  | MP2B         | Z         | 10.604             | 4              |
| 90  | MP2B         | Mx        | .005               | 4              |
| 91  | MP2C         | X         | 5.171              | 4              |
| 92  | MP2C         | Z         | 8.956              | 4              |
| 93  | MP2C         | Mx        | -.005              | 4              |
| 94  | MP2A         | X         | 27.051             | 1.5            |
| 95  | MP2A         | Z         | 46.854             | 1.5            |
| 96  | MP2A         | Mx        | .023               | 1.5            |
| 97  | MP2B         | X         | 25.262             | 1.5            |
| 98  | MP2B         | Z         | 43.755             | 1.5            |
| 99  | MP2B         | Mx        | .026               | 1.5            |
| 100 | MP2C         | X         | 21.006             | 1.5            |
| 101 | MP2C         | Z         | 36.384             | 1.5            |
| 102 | MP2C         | Mx        | -.028              | 1.5            |
| 103 | MP1A         | X         | 32.805             | 1.5            |
| 104 | MP1A         | Z         | 56.82              | 1.5            |
| 105 | MP1A         | Mx        | .028               | 1.5            |
| 106 | MP1B         | X         | 30.718             | 1.5            |
| 107 | MP1B         | Z         | 53.205             | 1.5            |
| 108 | MP1B         | Mx        | .031               | 1.5            |
| 109 | MP1C         | X         | 25.753             | 1.5            |
| 110 | MP1C         | Z         | 44.605             | 1.5            |
| 111 | MP1C         | Mx        | -.034              | 1.5            |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | 0                  | 2              |
| 2  | MP2A         | Z         | 182.101            | 2              |
| 3  | MP2A         | Mx        | .113               | 2              |
| 4  | MP2A         | X         | 0                  | 6              |
| 5  | MP2A         | Z         | 182.101            | 6              |
| 6  | MP2A         | Mx        | .113               | 6              |
| 7  | MP2B         | X         | 0                  | 2              |
| 8  | MP2B         | Z         | 122.757            | 2              |
| 9  | MP2B         | Mx        | -.097              | 2              |
| 10 | MP2B         | X         | 0                  | 6              |
| 11 | MP2B         | Z         | 122.757            | 6              |
| 12 | MP2B         | Mx        | -.097              | 6              |
| 13 | MP2C         | X         | 0                  | 2              |
| 14 | MP2C         | Z         | 136.641            | 2              |
| 15 | MP2C         | Mx        | .028               | 2              |
| 16 | MP2C         | X         | 0                  | 6              |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 17 | MP2C         | Z         | 136.641            | 6              |
| 18 | MP2C         | Mx        | .028               | 6              |
| 19 | MP2A         | X         | 0                  | 2              |
| 20 | MP2A         | Z         | 182.101            | 2              |
| 21 | MP2A         | Mx        | -.156              | 2              |
| 22 | MP2A         | X         | 0                  | 6              |
| 23 | MP2A         | Z         | 182.101            | 6              |
| 24 | MP2A         | Mx        | -.156              | 6              |
| 25 | MP2B         | X         | 0                  | 2              |
| 26 | MP2B         | Z         | 122.757            | 2              |
| 27 | MP2B         | Mx        | -.065              | 2              |
| 28 | MP2B         | X         | 0                  | 6              |
| 29 | MP2B         | Z         | 122.757            | 6              |
| 30 | MP2B         | Mx        | -.065              | 6              |
| 31 | MP2C         | X         | 0                  | 2              |
| 32 | MP2C         | Z         | 136.641            | 2              |
| 33 | MP2C         | Mx        | .13                | 2              |
| 34 | MP2C         | X         | 0                  | 6              |
| 35 | MP2C         | Z         | 136.641            | 6              |
| 36 | MP2C         | Mx        | .13                | 6              |
| 37 | MP4A         | X         | 0                  | 1              |
| 38 | MP4A         | Z         | 161.729            | 1              |
| 39 | MP4A         | Mx        | -.019              | 1              |
| 40 | MP4A         | X         | 0                  | 7              |
| 41 | MP4A         | Z         | 161.729            | 7              |
| 42 | MP4A         | Mx        | -.019              | 7              |
| 43 | MP4B         | X         | 0                  | 1              |
| 44 | MP4B         | Z         | 109.566            | 1              |
| 45 | MP4B         | Mx        | -.072              | 1              |
| 46 | MP4B         | X         | 0                  | 7              |
| 47 | MP4B         | Z         | 109.566            | 7              |
| 48 | MP4B         | Mx        | -.072              | 7              |
| 49 | MP4C         | X         | 0                  | 1              |
| 50 | MP4C         | Z         | 121.77             | 1              |
| 51 | MP4C         | Mx        | .07                | 1              |
| 52 | MP4C         | X         | 0                  | 7              |
| 53 | MP4C         | Z         | 121.77             | 7              |
| 54 | MP4C         | Mx        | .07                | 7              |
| 55 | MP3A         | X         | 0                  | 3              |
| 56 | MP3A         | Z         | 75.132             | 3              |
| 57 | MP3A         | Mx        | -.009              | 3              |
| 58 | MP3A         | X         | 0                  | 5              |
| 59 | MP3A         | Z         | 75.132             | 5              |
| 60 | MP3A         | Mx        | -.009              | 5              |
| 61 | MP3B         | X         | 0                  | 3              |
| 62 | MP3B         | Z         | 30.903             | 3              |
| 63 | MP3B         | Mx        | -.02               | 3              |
| 64 | MP3B         | X         | 0                  | 5              |
| 65 | MP3B         | Z         | 30.903             | 5              |
| 66 | MP3B         | Mx        | -.02               | 5              |
| 67 | MP3C         | X         | 0                  | 3              |
| 68 | MP3C         | Z         | 41.25              | 3              |
| 69 | MP3C         | Mx        | .024               | 3              |
| 70 | MP3C         | X         | 0                  | 5              |
| 71 | MP3C         | Z         | 41.25              | 5              |
| 72 | MP3C         | Mx        | .024               | 5              |
| 73 | MP1A         | X         | 0                  | 4              |

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 74  | MP1A         | Z         | 35.081             | 4              |
| 75  | MP1A         | Mx        | -.003              | 4              |
| 76  | MP1B         | X         | 0                  | 4              |
| 77  | MP1B         | Z         | 7.922              | 4              |
| 78  | MP1B         | Mx        | -.004              | 4              |
| 79  | MP1C         | X         | 0                  | 4              |
| 80  | MP1C         | Z         | 14.276             | 4              |
| 81  | MP1C         | Mx        | .006               | 4              |
| 82  | OVP1         | X         | 0                  | 1              |
| 83  | OVP1         | Z         | 120.381            | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | 0                  | 4              |
| 86  | MP2A         | Z         | 14.808             | 4              |
| 87  | MP2A         | Mx        | .001               | 4              |
| 88  | MP2B         | X         | 0                  | 4              |
| 89  | MP2B         | Z         | 10.48              | 4              |
| 90  | MP2B         | Mx        | .005               | 4              |
| 91  | MP2C         | X         | 0                  | 4              |
| 92  | MP2C         | Z         | 11.493             | 4              |
| 93  | MP2C         | Mx        | -.005              | 4              |
| 94  | MP2A         | X         | 0                  | 1.5            |
| 95  | MP2A         | Z         | 61.993             | 1.5            |
| 96  | MP2A         | Mx        | .007               | 1.5            |
| 97  | MP2B         | X         | 0                  | 1.5            |
| 98  | MP2B         | Z         | 42.633             | 1.5            |
| 99  | MP2B         | Mx        | .028               | 1.5            |
| 100 | MP2C         | X         | 0                  | 1.5            |
| 101 | MP2C         | Z         | 47.163             | 1.5            |
| 102 | MP2C         | Mx        | -.027              | 1.5            |
| 103 | MP1A         | X         | 0                  | 1.5            |
| 104 | MP1A         | Z         | 74.816             | 1.5            |
| 105 | MP1A         | Mx        | .009               | 1.5            |
| 106 | MP1B         | X         | 0                  | 1.5            |
| 107 | MP1B         | Z         | 52.23              | 1.5            |
| 108 | MP1B         | Mx        | .034               | 1.5            |
| 109 | MP1C         | X         | 0                  | 1.5            |
| 110 | MP1C         | Z         | 57.514             | 1.5            |
| 111 | MP1C         | Mx        | -.033              | 1.5            |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | -88.309            | 2              |
| 2  | MP2A         | Z         | 152.955            | 2              |
| 3  | MP2A         | Mx        | .165               | 2              |
| 4  | MP2A         | X         | -88.309            | 6              |
| 5  | MP2A         | Z         | 152.955            | 6              |
| 6  | MP2A         | Mx        | .165               | 6              |
| 7  | MP2B         | X         | -64.12             | 2              |
| 8  | MP2B         | Z         | 111.059            | 2              |
| 9  | MP2B         | Mx        | -.047              | 2              |
| 10 | MP2B         | X         | -64.12             | 6              |
| 11 | MP2B         | Z         | 111.059            | 6              |
| 12 | MP2B         | Mx        | -.047              | 6              |
| 13 | MP2C         | X         | -84.109            | 2              |
| 14 | MP2C         | Z         | 145.68             | 2              |
| 15 | MP2C         | Mx        | -.053              | 2              |



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 16 | MP2C         | X         | -84.109            | 6              |
| 17 | MP2C         | Z         | 145.68             | 6              |
| 18 | MP2C         | Mx        | -.053              | 6              |
| 19 | MP2A         | X         | -88.309            | 2              |
| 20 | MP2A         | Z         | 152.955            | 2              |
| 21 | MP2A         | Mx        | -.084              | 2              |
| 22 | MP2A         | X         | -88.309            | 6              |
| 23 | MP2A         | Z         | 152.955            | 6              |
| 24 | MP2A         | Mx        | -.084              | 6              |
| 25 | MP2B         | X         | -64.12             | 2              |
| 26 | MP2B         | Z         | 111.059            | 2              |
| 27 | MP2B         | Mx        | -.113              | 2              |
| 28 | MP2B         | X         | -64.12             | 6              |
| 29 | MP2B         | Z         | 111.059            | 6              |
| 30 | MP2B         | Mx        | -.113              | 6              |
| 31 | MP2C         | X         | -84.109            | 2              |
| 32 | MP2C         | Z         | 145.68             | 2              |
| 33 | MP2C         | Mx        | .165               | 2              |
| 34 | MP2C         | X         | -84.109            | 6              |
| 35 | MP2C         | Z         | 145.68             | 6              |
| 36 | MP2C         | Mx        | .165               | 6              |
| 37 | MP4A         | X         | -78.455            | 1              |
| 38 | MP4A         | Z         | 135.888            | 1              |
| 39 | MP4A         | Mx        | .036               | 1              |
| 40 | MP4A         | X         | -78.455            | 7              |
| 41 | MP4A         | Z         | 135.888            | 7              |
| 42 | MP4A         | Mx        | .036               | 7              |
| 43 | MP4B         | X         | -57.193            | 1              |
| 44 | MP4B         | Z         | 99.061             | 1              |
| 45 | MP4B         | Mx        | -.072              | 1              |
| 46 | MP4B         | X         | -57.193            | 7              |
| 47 | MP4B         | Z         | 99.061             | 7              |
| 48 | MP4B         | Mx        | -.072              | 7              |
| 49 | MP4C         | X         | -74.763            | 1              |
| 50 | MP4C         | Z         | 129.493            | 1              |
| 51 | MP4C         | Mx        | .05                | 1              |
| 52 | MP4C         | X         | -74.763            | 7              |
| 53 | MP4C         | Z         | 129.493            | 7              |
| 54 | MP4C         | Mx        | .05                | 7              |
| 55 | MP3A         | X         | -35.523            | 3              |
| 56 | MP3A         | Z         | 61.527             | 3              |
| 57 | MP3A         | Mx        | .016               | 3              |
| 58 | MP3A         | X         | -35.523            | 5              |
| 59 | MP3A         | Z         | 61.527             | 5              |
| 60 | MP3A         | Mx        | .016               | 5              |
| 61 | MP3B         | X         | -17.495            | 3              |
| 62 | MP3B         | Z         | 30.302             | 3              |
| 63 | MP3B         | Mx        | -.022              | 3              |
| 64 | MP3B         | X         | -17.495            | 5              |
| 65 | MP3B         | Z         | 30.302             | 5              |
| 66 | MP3B         | Mx        | -.022              | 5              |
| 67 | MP3C         | X         | -32.392            | 3              |
| 68 | MP3C         | Z         | 56.105             | 3              |
| 69 | MP3C         | Mx        | .022               | 3              |
| 70 | MP3C         | X         | -32.392            | 5              |
| 71 | MP3C         | Z         | 56.105             | 5              |
| 72 | MP3C         | Mx        | .022               | 5              |



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 Model Name :

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 73  | MP1A         | X         | -16.286            | 4              |
| 74  | MP1A         | Z         | 28.208             | 4              |
| 75  | MP1A         | Mx        | .006               | 4              |
| 76  | MP1B         | X         | -5.216             | 4              |
| 77  | MP1B         | Z         | 9.034              | 4              |
| 78  | MP1B         | Mx        | -.005              | 4              |
| 79  | MP1C         | X         | -14.364            | 4              |
| 80  | MP1C         | Z         | 24.878             | 4              |
| 81  | MP1C         | Mx        | .007               | 4              |
| 82  | OVP1         | X         | -52.515            | 1              |
| 83  | OVP1         | Z         | 90.959             | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | -7.204             | 4              |
| 86  | MP2A         | Z         | 12.478             | 4              |
| 87  | MP2A         | Mx        | -.002              | 4              |
| 88  | MP2B         | X         | -5.44              | 4              |
| 89  | MP2B         | Z         | 9.422              | 4              |
| 90  | MP2B         | Mx        | .005               | 4              |
| 91  | MP2C         | X         | -6.898             | 4              |
| 92  | MP2C         | Z         | 11.947             | 4              |
| 93  | MP2C         | Mx        | -.003              | 4              |
| 94  | MP2A         | X         | -30.102            | 1.5            |
| 95  | MP2A         | Z         | 52.138             | 1.5            |
| 96  | MP2A         | Mx        | -.014              | 1.5            |
| 97  | MP2B         | X         | -22.211            | 1.5            |
| 98  | MP2B         | Z         | 38.471             | 1.5            |
| 99  | MP2B         | Mx        | .028               | 1.5            |
| 100 | MP2C         | X         | -28.732            | 1.5            |
| 101 | MP2C         | Z         | 49.765             | 1.5            |
| 102 | MP2C         | Mx        | -.019              | 1.5            |
| 103 | MP1A         | X         | -36.365            | 1.5            |
| 104 | MP1A         | Z         | 62.986             | 1.5            |
| 105 | MP1A         | Mx        | -.017              | 1.5            |
| 106 | MP1B         | X         | -27.158            | 1.5            |
| 107 | MP1B         | Z         | 47.04              | 1.5            |
| 108 | MP1B         | Mx        | .034               | 1.5            |
| 109 | MP1C         | X         | -34.766            | 1.5            |
| 110 | MP1C         | Z         | 60.217             | 1.5            |
| 111 | MP1C         | Mx        | -.023              | 1.5            |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | -127.259           | 2              |
| 2  | MP2A         | Z         | 73.473             | 2              |
| 3  | MP2A         | Mx        | .146               | 2              |
| 4  | MP2A         | X         | -127.259           | 6              |
| 5  | MP2A         | Z         | 73.473             | 6              |
| 6  | MP2A         | Mx        | .146               | 6              |
| 7  | MP2B         | X         | -136.756           | 2              |
| 8  | MP2B         | Z         | 78.956             | 2              |
| 9  | MP2B         | Mx        | .023               | 2              |
| 10 | MP2B         | X         | -136.756           | 6              |
| 11 | MP2B         | Z         | 78.956             | 6              |
| 12 | MP2B         | Mx        | .023               | 6              |
| 13 | MP2C         | X         | -159.353           | 2              |
| 14 | MP2C         | Z         | 92.003             | 2              |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 15 | MP2C         | Mx        | -.138              | 2              |
| 16 | MP2C         | X         | -159.353           | 6              |
| 17 | MP2C         | Z         | 92.003             | 6              |
| 18 | MP2C         | Mx        | -.138              | 6              |
| 19 | MP2A         | X         | -127.259           | 2              |
| 20 | MP2A         | Z         | 73.473             | 2              |
| 21 | MP2A         | Mx        | .004               | 2              |
| 22 | MP2A         | X         | -127.259           | 6              |
| 23 | MP2A         | Z         | 73.473             | 6              |
| 24 | MP2A         | Mx        | .004               | 6              |
| 25 | MP2B         | X         | -136.756           | 2              |
| 26 | MP2B         | Z         | 78.956             | 2              |
| 27 | MP2B         | Mx        | -.158              | 2              |
| 28 | MP2B         | X         | -136.756           | 6              |
| 29 | MP2B         | Z         | 78.956             | 6              |
| 30 | MP2B         | Mx        | -.158              | 6              |
| 31 | MP2C         | X         | -159.353           | 2              |
| 32 | MP2C         | Z         | 92.003             | 2              |
| 33 | MP2C         | Mx        | .138               | 2              |
| 34 | MP2C         | X         | -159.353           | 6              |
| 35 | MP2C         | Z         | 92.003             | 6              |
| 36 | MP2C         | Mx        | .138               | 6              |
| 37 | MP4A         | X         | -113.3             | 1              |
| 38 | MP4A         | Z         | 65.414             | 1              |
| 39 | MP4A         | Mx        | .067               | 1              |
| 40 | MP4A         | X         | -113.3             | 7              |
| 41 | MP4A         | Z         | 65.414             | 7              |
| 42 | MP4A         | Mx        | .067               | 7              |
| 43 | MP4B         | X         | -121.648           | 1              |
| 44 | MP4B         | Z         | 70.234             | 1              |
| 45 | MP4B         | Mx        | -.06               | 1              |
| 46 | MP4B         | X         | -121.648           | 7              |
| 47 | MP4B         | Z         | 70.234             | 7              |
| 48 | MP4B         | Mx        | -.06               | 7              |
| 49 | MP4C         | X         | -141.511           | 1              |
| 50 | MP4C         | Z         | 81.702             | 1              |
| 51 | MP4C         | Mx        | 0                  | 1              |
| 52 | MP4C         | X         | -141.511           | 7              |
| 53 | MP4C         | Z         | 81.702             | 7              |
| 54 | MP4C         | Mx        | 0                  | 7              |
| 55 | MP3A         | X         | -42.375            | 3              |
| 56 | MP3A         | Z         | 24.465             | 3              |
| 57 | MP3A         | Mx        | .025               | 3              |
| 58 | MP3A         | X         | -42.375            | 5              |
| 59 | MP3A         | Z         | 24.465             | 5              |
| 60 | MP3A         | Mx        | .025               | 5              |
| 61 | MP3B         | X         | -49.453            | 3              |
| 62 | MP3B         | Z         | 28.552             | 3              |
| 63 | MP3B         | Mx        | -.024              | 3              |
| 64 | MP3B         | X         | -49.453            | 5              |
| 65 | MP3B         | Z         | 28.552             | 5              |
| 66 | MP3B         | Mx        | -.024              | 5              |
| 67 | MP3C         | X         | -66.295            | 3              |
| 68 | MP3C         | Z         | 38.276             | 3              |
| 69 | MP3C         | Mx        | 0                  | 3              |
| 70 | MP3C         | X         | -66.295            | 5              |
| 71 | MP3C         | Z         | 38.276             | 5              |



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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 72  | MP3C         | Mx        | 0                  | 5              |
| 73  | MP1A         | X         | -16.448            | 4              |
| 74  | MP1A         | Z         | 9.496              | 4              |
| 75  | MP1A         | Mx        | .007               | 4              |
| 76  | MP1B         | X         | -20.794            | 4              |
| 77  | MP1B         | Z         | 12.006             | 4              |
| 78  | MP1B         | Mx        | -.008              | 4              |
| 79  | MP1C         | X         | -31.136            | 4              |
| 80  | MP1C         | Z         | 17.976             | 4              |
| 81  | MP1C         | Mx        | 0                  | 4              |
| 82  | OVP1         | X         | -84.312            | 1              |
| 83  | OVP1         | Z         | 48.678             | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | -10.604            | 4              |
| 86  | MP2A         | Z         | 6.122              | 4              |
| 87  | MP2A         | Mx        | -.005              | 4              |
| 88  | MP2B         | X         | -11.296            | 4              |
| 89  | MP2B         | Z         | 6.522              | 4              |
| 90  | MP2B         | Mx        | .004               | 4              |
| 91  | MP2C         | X         | -12.944            | 4              |
| 92  | MP2C         | Z         | 7.473              | 4              |
| 93  | MP2C         | Mx        | 0                  | 4              |
| 94  | MP2A         | X         | -43.755            | 1.5            |
| 95  | MP2A         | Z         | 25.262             | 1.5            |
| 96  | MP2A         | Mx        | -.026              | 1.5            |
| 97  | MP2B         | X         | -46.854            | 1.5            |
| 98  | MP2B         | Z         | 27.051             | 1.5            |
| 99  | MP2B         | Mx        | .023               | 1.5            |
| 100 | MP2C         | X         | -54.226            | 1.5            |
| 101 | MP2C         | Z         | 31.307             | 1.5            |
| 102 | MP2C         | Mx        | 0                  | 1.5            |
| 103 | MP1A         | X         | -53.205            | 1.5            |
| 104 | MP1A         | Z         | 30.718             | 1.5            |
| 105 | MP1A         | Mx        | -.031              | 1.5            |
| 106 | MP1B         | X         | -56.82             | 1.5            |
| 107 | MP1B         | Z         | 32.805             | 1.5            |
| 108 | MP1B         | Mx        | .028               | 1.5            |
| 109 | MP1C         | X         | -65.421            | 1.5            |
| 110 | MP1C         | Z         | 37.771             | 1.5            |
| 111 | MP1C         | Mx        | 0                  | 1.5            |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | -122.757           | 2              |
| 2  | MP2A         | Z         | 0                  | 2              |
| 3  | MP2A         | Mx        | .097               | 2              |
| 4  | MP2A         | X         | -122.757           | 6              |
| 5  | MP2A         | Z         | 0                  | 6              |
| 6  | MP2A         | Mx        | .097               | 6              |
| 7  | MP2B         | X         | -182.101           | 2              |
| 8  | MP2B         | Z         | 0                  | 2              |
| 9  | MP2B         | Mx        | .113               | 2              |
| 10 | MP2B         | X         | -182.101           | 6              |
| 11 | MP2B         | Z         | 0                  | 6              |
| 12 | MP2B         | Mx        | .113               | 6              |
| 13 | MP2C         | X         | -168.217           | 2              |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 14 | MP2C         | Z         | 0                  | 2              |
| 15 | MP2C         | Mx        | -.165              | 2              |
| 16 | MP2C         | X         | -168.217           | 6              |
| 17 | MP2C         | Z         | 0                  | 6              |
| 18 | MP2C         | Mx        | -.165              | 6              |
| 19 | MP2A         | X         | -122.757           | 2              |
| 20 | MP2A         | Z         | 0                  | 2              |
| 21 | MP2A         | Mx        | .065               | 2              |
| 22 | MP2A         | X         | -122.757           | 6              |
| 23 | MP2A         | Z         | 0                  | 6              |
| 24 | MP2A         | Mx        | .065               | 6              |
| 25 | MP2B         | X         | -182.101           | 2              |
| 26 | MP2B         | Z         | 0                  | 2              |
| 27 | MP2B         | Mx        | -.156              | 2              |
| 28 | MP2B         | X         | -182.101           | 6              |
| 29 | MP2B         | Z         | 0                  | 6              |
| 30 | MP2B         | Mx        | -.156              | 6              |
| 31 | MP2C         | X         | -168.217           | 2              |
| 32 | MP2C         | Z         | 0                  | 2              |
| 33 | MP2C         | Mx        | .053               | 2              |
| 34 | MP2C         | X         | -168.217           | 6              |
| 35 | MP2C         | Z         | 0                  | 6              |
| 36 | MP2C         | Mx        | .053               | 6              |
| 37 | MP4A         | X         | -109.566           | 1              |
| 38 | MP4A         | Z         | 0                  | 1              |
| 39 | MP4A         | Mx        | .072               | 1              |
| 40 | MP4A         | X         | -109.566           | 7              |
| 41 | MP4A         | Z         | 0                  | 7              |
| 42 | MP4A         | Mx        | .072               | 7              |
| 43 | MP4B         | X         | -161.729           | 1              |
| 44 | MP4B         | Z         | 0                  | 1              |
| 45 | MP4B         | Mx        | -.019              | 1              |
| 46 | MP4B         | X         | -161.729           | 7              |
| 47 | MP4B         | Z         | 0                  | 7              |
| 48 | MP4B         | Mx        | -.019              | 7              |
| 49 | MP4C         | X         | -149.525           | 1              |
| 50 | MP4C         | Z         | 0                  | 1              |
| 51 | MP4C         | Mx        | -.05               | 1              |
| 52 | MP4C         | X         | -149.525           | 7              |
| 53 | MP4C         | Z         | 0                  | 7              |
| 54 | MP4C         | Mx        | -.05               | 7              |
| 55 | MP3A         | X         | -30.903            | 3              |
| 56 | MP3A         | Z         | 0                  | 3              |
| 57 | MP3A         | Mx        | .02                | 3              |
| 58 | MP3A         | X         | -30.903            | 5              |
| 59 | MP3A         | Z         | 0                  | 5              |
| 60 | MP3A         | Mx        | .02                | 5              |
| 61 | MP3B         | X         | -75.132            | 3              |
| 62 | MP3B         | Z         | 0                  | 3              |
| 63 | MP3B         | Mx        | -.009              | 3              |
| 64 | MP3B         | X         | -75.132            | 5              |
| 65 | MP3B         | Z         | 0                  | 5              |
| 66 | MP3B         | Mx        | -.009              | 5              |
| 67 | MP3C         | X         | -64.784            | 3              |
| 68 | MP3C         | Z         | 0                  | 3              |
| 69 | MP3C         | Mx        | -.022              | 3              |
| 70 | MP3C         | X         | -64.784            | 5              |

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 71  | MP3C         | Z         | 0                  | 5              |
| 72  | MP3C         | Mx        | -.022              | 5              |
| 73  | MP1A         | X         | -7.922             | 4              |
| 74  | MP1A         | Z         | 0                  | 4              |
| 75  | MP1A         | Mx        | .004               | 4              |
| 76  | MP1B         | X         | -35.081            | 4              |
| 77  | MP1B         | Z         | 0                  | 4              |
| 78  | MP1B         | Mx        | -.003              | 4              |
| 79  | MP1C         | X         | -28.727            | 4              |
| 80  | MP1C         | Z         | 0                  | 4              |
| 81  | MP1C         | Mx        | -.007              | 4              |
| 82  | OVP1         | X         | -105.03            | 1              |
| 83  | OVP1         | Z         | 0                  | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | -10.48             | 4              |
| 86  | MP2A         | Z         | 0                  | 4              |
| 87  | MP2A         | Mx        | -.005              | 4              |
| 88  | MP2B         | X         | -14.808            | 4              |
| 89  | MP2B         | Z         | 0                  | 4              |
| 90  | MP2B         | Mx        | .001               | 4              |
| 91  | MP2C         | X         | -13.795            | 4              |
| 92  | MP2C         | Z         | 0                  | 4              |
| 93  | MP2C         | Mx        | .003               | 4              |
| 94  | MP2A         | X         | -42.633            | 1.5            |
| 95  | MP2A         | Z         | 0                  | 1.5            |
| 96  | MP2A         | Mx        | -.028              | 1.5            |
| 97  | MP2B         | X         | -61.993            | 1.5            |
| 98  | MP2B         | Z         | 0                  | 1.5            |
| 99  | MP2B         | Mx        | .007               | 1.5            |
| 100 | MP2C         | X         | -57.464            | 1.5            |
| 101 | MP2C         | Z         | 0                  | 1.5            |
| 102 | MP2C         | Mx        | .019               | 1.5            |
| 103 | MP1A         | X         | -52.23             | 1.5            |
| 104 | MP1A         | Z         | 0                  | 1.5            |
| 105 | MP1A         | Mx        | -.034              | 1.5            |
| 106 | MP1B         | X         | -74.816            | 1.5            |
| 107 | MP1B         | Z         | 0                  | 1.5            |
| 108 | MP1B         | Mx        | .009               | 1.5            |
| 109 | MP1C         | X         | -69.532            | 1.5            |
| 110 | MP1C         | Z         | 0                  | 1.5            |
| 111 | MP1C         | Mx        | .023               | 1.5            |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | -111.059           | 2              |
| 2  | MP2A         | Z         | -64.12             | 2              |
| 3  | MP2A         | Mx        | .047               | 2              |
| 4  | MP2A         | X         | -111.059           | 6              |
| 5  | MP2A         | Z         | -64.12             | 6              |
| 6  | MP2A         | Mx        | .047               | 6              |
| 7  | MP2B         | X         | -152.955           | 2              |
| 8  | MP2B         | Z         | -88.309            | 2              |
| 9  | MP2B         | Mx        | .165               | 2              |
| 10 | MP2B         | X         | -152.955           | 6              |
| 11 | MP2B         | Z         | -88.309            | 6              |
| 12 | MP2B         | Mx        | .165               | 6              |

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

| Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |   |
|--------------|-----------|--------------------|----------------|---|
| 13           | MP2C      | X                  | -118.334       | 2 |
| 14           | MP2C      | Z                  | -68.32         | 2 |
| 15           | MP2C      | Mx                 | -.13           | 2 |
| 16           | MP2C      | X                  | -118.334       | 6 |
| 17           | MP2C      | Z                  | -68.32         | 6 |
| 18           | MP2C      | Mx                 | -.13           | 6 |
| 19           | MP2A      | X                  | -111.059       | 2 |
| 20           | MP2A      | Z                  | -64.12         | 2 |
| 21           | MP2A      | Mx                 | .113           | 2 |
| 22           | MP2A      | X                  | -111.059       | 6 |
| 23           | MP2A      | Z                  | -64.12         | 6 |
| 24           | MP2A      | Mx                 | .113           | 6 |
| 25           | MP2B      | X                  | -152.955       | 2 |
| 26           | MP2B      | Z                  | -88.309        | 2 |
| 27           | MP2B      | Mx                 | -.084          | 2 |
| 28           | MP2B      | X                  | -152.955       | 6 |
| 29           | MP2B      | Z                  | -88.309        | 6 |
| 30           | MP2B      | Mx                 | -.084          | 6 |
| 31           | MP2C      | X                  | -118.334       | 2 |
| 32           | MP2C      | Z                  | -68.32         | 2 |
| 33           | MP2C      | Mx                 | -.028          | 2 |
| 34           | MP2C      | X                  | -118.334       | 6 |
| 35           | MP2C      | Z                  | -68.32         | 6 |
| 36           | MP2C      | Mx                 | -.028          | 6 |
| 37           | MP4A      | X                  | -99.061        | 1 |
| 38           | MP4A      | Z                  | -57.193        | 1 |
| 39           | MP4A      | Mx                 | .072           | 1 |
| 40           | MP4A      | X                  | -99.061        | 7 |
| 41           | MP4A      | Z                  | -57.193        | 7 |
| 42           | MP4A      | Mx                 | .072           | 7 |
| 43           | MP4B      | X                  | -135.888       | 1 |
| 44           | MP4B      | Z                  | -78.455        | 1 |
| 45           | MP4B      | Mx                 | .036           | 1 |
| 46           | MP4B      | X                  | -135.888       | 7 |
| 47           | MP4B      | Z                  | -78.455        | 7 |
| 48           | MP4B      | Mx                 | .036           | 7 |
| 49           | MP4C      | X                  | -105.456       | 1 |
| 50           | MP4C      | Z                  | -60.885        | 1 |
| 51           | MP4C      | Mx                 | -.07           | 1 |
| 52           | MP4C      | X                  | -105.456       | 7 |
| 53           | MP4C      | Z                  | -60.885        | 7 |
| 54           | MP4C      | Mx                 | -.07           | 7 |
| 55           | MP3A      | X                  | -30.302        | 3 |
| 56           | MP3A      | Z                  | -17.495        | 3 |
| 57           | MP3A      | Mx                 | .022           | 3 |
| 58           | MP3A      | X                  | -30.302        | 5 |
| 59           | MP3A      | Z                  | -17.495        | 5 |
| 60           | MP3A      | Mx                 | .022           | 5 |
| 61           | MP3B      | X                  | -61.527        | 3 |
| 62           | MP3B      | Z                  | -35.523        | 3 |
| 63           | MP3B      | Mx                 | .016           | 3 |
| 64           | MP3B      | X                  | -61.527        | 5 |
| 65           | MP3B      | Z                  | -35.523        | 5 |
| 66           | MP3B      | Mx                 | .016           | 5 |
| 67           | MP3C      | X                  | -35.724        | 3 |
| 68           | MP3C      | Z                  | -20.625        | 3 |
| 69           | MP3C      | Mx                 | -.024          | 3 |



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 70  | MP3C         | X         | -35.724            | 5              |
| 71  | MP3C         | Z         | -20.625            | 5              |
| 72  | MP3C         | Mx        | -.024              | 5              |
| 73  | MP1A         | X         | -9.034             | 4              |
| 74  | MP1A         | Z         | -5.216             | 4              |
| 75  | MP1A         | Mx        | .005               | 4              |
| 76  | MP1B         | X         | -28.208            | 4              |
| 77  | MP1B         | Z         | -16.286            | 4              |
| 78  | MP1B         | Mx        | .006               | 4              |
| 79  | MP1C         | X         | -12.363            | 4              |
| 80  | MP1C         | Z         | -7.138             | 4              |
| 81  | MP1C         | Mx        | -.006              | 4              |
| 82  | OVP1         | X         | -104.253           | 1              |
| 83  | OVP1         | Z         | -60.191            | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | -9.422             | 4              |
| 86  | MP2A         | Z         | -5.44              | 4              |
| 87  | MP2A         | Mx        | -.005              | 4              |
| 88  | MP2B         | X         | -12.478            | 4              |
| 89  | MP2B         | Z         | -7.204             | 4              |
| 90  | MP2B         | Mx        | -.002              | 4              |
| 91  | MP2C         | X         | -9.953             | 4              |
| 92  | MP2C         | Z         | -5.746             | 4              |
| 93  | MP2C         | Mx        | .005               | 4              |
| 94  | MP2A         | X         | -38.471            | 1.5            |
| 95  | MP2A         | Z         | -22.211            | 1.5            |
| 96  | MP2A         | Mx        | -.028              | 1.5            |
| 97  | MP2B         | X         | -52.138            | 1.5            |
| 98  | MP2B         | Z         | -30.102            | 1.5            |
| 99  | MP2B         | Mx        | -.014              | 1.5            |
| 100 | MP2C         | X         | -40.844            | 1.5            |
| 101 | MP2C         | Z         | -23.581            | 1.5            |
| 102 | MP2C         | Mx        | .027               | 1.5            |
| 103 | MP1A         | X         | -47.04             | 1.5            |
| 104 | MP1A         | Z         | -27.158            | 1.5            |
| 105 | MP1A         | Mx        | -.034              | 1.5            |
| 106 | MP1B         | X         | -62.986            | 1.5            |
| 107 | MP1B         | Z         | -36.365            | 1.5            |
| 108 | MP1B         | Mx        | -.017              | 1.5            |
| 109 | MP1C         | X         | -49.809            | 1.5            |
| 110 | MP1C         | Z         | -28.757            | 1.5            |
| 111 | MP1C         | Mx        | .033               | 1.5            |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | -78.956            | 2              |
| 2  | MP2A         | Z         | -136.756           | 2              |
| 3  | MP2A         | Mx        | -.023              | 2              |
| 4  | MP2A         | X         | -78.956            | 6              |
| 5  | MP2A         | Z         | -136.756           | 6              |
| 6  | MP2A         | Mx        | -.023              | 6              |
| 7  | MP2B         | X         | -73.473            | 2              |
| 8  | MP2B         | Z         | -127.259           | 2              |
| 9  | MP2B         | Mx        | .146               | 2              |
| 10 | MP2B         | X         | -73.473            | 6              |
| 11 | MP2B         | Z         | -127.259           | 6              |



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 12 | MP2B         | Mx        | .146               | 6              |
| 13 | MP2C         | X         | -60.426            | 2              |
| 14 | MP2C         | Z         | -104.661           | 2              |
| 15 | MP2C         | Mx        | -.081              | 2              |
| 16 | MP2C         | X         | -60.426            | 6              |
| 17 | MP2C         | Z         | -104.661           | 6              |
| 18 | MP2C         | Mx        | -.081              | 6              |
| 19 | MP2A         | X         | -78.956            | 2              |
| 20 | MP2A         | Z         | -136.756           | 2              |
| 21 | MP2A         | Mx        | .158               | 2              |
| 22 | MP2A         | X         | -78.956            | 6              |
| 23 | MP2A         | Z         | -136.756           | 6              |
| 24 | MP2A         | Mx        | .158               | 6              |
| 25 | MP2B         | X         | -73.473            | 2              |
| 26 | MP2B         | Z         | -127.259           | 2              |
| 27 | MP2B         | Mx        | .004               | 2              |
| 28 | MP2B         | X         | -73.473            | 6              |
| 29 | MP2B         | Z         | -127.259           | 6              |
| 30 | MP2B         | Mx        | .004               | 6              |
| 31 | MP2C         | X         | -60.426            | 2              |
| 32 | MP2C         | Z         | -104.661           | 2              |
| 33 | MP2C         | Mx        | -.081              | 2              |
| 34 | MP2C         | X         | -60.426            | 6              |
| 35 | MP2C         | Z         | -104.661           | 6              |
| 36 | MP2C         | Mx        | -.081              | 6              |
| 37 | MP4A         | X         | -70.234            | 1              |
| 38 | MP4A         | Z         | -121.648           | 1              |
| 39 | MP4A         | Mx        | .06                | 1              |
| 40 | MP4A         | X         | -70.234            | 7              |
| 41 | MP4A         | Z         | -121.648           | 7              |
| 42 | MP4A         | Mx        | .06                | 7              |
| 43 | MP4B         | X         | -65.414            | 1              |
| 44 | MP4B         | Z         | -113.3             | 1              |
| 45 | MP4B         | Mx        | .067               | 1              |
| 46 | MP4B         | X         | -65.414            | 7              |
| 47 | MP4B         | Z         | -113.3             | 7              |
| 48 | MP4B         | Mx        | .067               | 7              |
| 49 | MP4C         | X         | -53.946            | 1              |
| 50 | MP4C         | Z         | -93.437            | 1              |
| 51 | MP4C         | Mx        | -.072              | 1              |
| 52 | MP4C         | X         | -53.946            | 7              |
| 53 | MP4C         | Z         | -93.437            | 7              |
| 54 | MP4C         | Mx        | -.072              | 7              |
| 55 | MP3A         | X         | -28.552            | 3              |
| 56 | MP3A         | Z         | -49.453            | 3              |
| 57 | MP3A         | Mx        | .024               | 3              |
| 58 | MP3A         | X         | -28.552            | 5              |
| 59 | MP3A         | Z         | -49.453            | 5              |
| 60 | MP3A         | Mx        | .024               | 5              |
| 61 | MP3B         | X         | -24.465            | 3              |
| 62 | MP3B         | Z         | -42.375            | 3              |
| 63 | MP3B         | Mx        | .025               | 3              |
| 64 | MP3B         | X         | -24.465            | 5              |
| 65 | MP3B         | Z         | -42.375            | 5              |
| 66 | MP3B         | Mx        | .025               | 5              |
| 67 | MP3C         | X         | -14.742            | 3              |
| 68 | MP3C         | Z         | -25.534            | 3              |

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 69  | MP3C         | Mx        | -.02               | 3              |
| 70  | MP3C         | X         | -14.742            | 5              |
| 71  | MP3C         | Z         | -25.534            | 5              |
| 72  | MP3C         | Mx        | -.02               | 5              |
| 73  | MP1A         | X         | -12.006            | 4              |
| 74  | MP1A         | Z         | -20.794            | 4              |
| 75  | MP1A         | Mx        | .008               | 4              |
| 76  | MP1B         | X         | -9.496             | 4              |
| 77  | MP1B         | Z         | -16.448            | 4              |
| 78  | MP1B         | Mx        | .007               | 4              |
| 79  | MP1C         | X         | -3.525             | 4              |
| 80  | MP1C         | Z         | -6.106             | 4              |
| 81  | MP1C         | Mx        | -.004              | 4              |
| 82  | OVP1         | X         | -64.028            | 1              |
| 83  | OVP1         | Z         | -110.9             | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | -6.522             | 4              |
| 86  | MP2A         | Z         | -11.296            | 4              |
| 87  | MP2A         | Mx        | -.004              | 4              |
| 88  | MP2B         | X         | -6.122             | 4              |
| 89  | MP2B         | Z         | -10.604            | 4              |
| 90  | MP2B         | Mx        | -.005              | 4              |
| 91  | MP2C         | X         | -5.171             | 4              |
| 92  | MP2C         | Z         | -8.956             | 4              |
| 93  | MP2C         | Mx        | .005               | 4              |
| 94  | MP2A         | X         | -27.051            | 1.5            |
| 95  | MP2A         | Z         | -46.854            | 1.5            |
| 96  | MP2A         | Mx        | -.023              | 1.5            |
| 97  | MP2B         | X         | -25.262            | 1.5            |
| 98  | MP2B         | Z         | -43.755            | 1.5            |
| 99  | MP2B         | Mx        | -.026              | 1.5            |
| 100 | MP2C         | X         | -21.006            | 1.5            |
| 101 | MP2C         | Z         | -36.384            | 1.5            |
| 102 | MP2C         | Mx        | .028               | 1.5            |
| 103 | MP1A         | X         | -32.805            | 1.5            |
| 104 | MP1A         | Z         | -56.82             | 1.5            |
| 105 | MP1A         | Mx        | -.028              | 1.5            |
| 106 | MP1B         | X         | -30.718            | 1.5            |
| 107 | MP1B         | Z         | -53.205            | 1.5            |
| 108 | MP1B         | Mx        | -.031              | 1.5            |
| 109 | MP1C         | X         | -25.753            | 1.5            |
| 110 | MP1C         | Z         | -44.605            | 1.5            |
| 111 | MP1C         | Mx        | .034               | 1.5            |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | 0                  | 2              |
| 2  | MP2A         | Z         | -34.589            | 2              |
| 3  | MP2A         | Mx        | -.022              | 2              |
| 4  | MP2A         | X         | 0                  | 6              |
| 5  | MP2A         | Z         | -34.589            | 6              |
| 6  | MP2A         | Mx        | -.022              | 6              |
| 7  | MP2B         | X         | 0                  | 2              |
| 8  | MP2B         | Z         | -24.137            | 2              |
| 9  | MP2B         | Mx        | .019               | 2              |
| 10 | MP2B         | X         | 0                  | 6              |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 11 | MP2B         | Z         | -24.137            | 6              |
| 12 | MP2B         | Mx        | .019               | 6              |
| 13 | MP2C         | X         | 0                  | 2              |
| 14 | MP2C         | Z         | -26.582            | 2              |
| 15 | MP2C         | Mx        | -.005              | 2              |
| 16 | MP2C         | X         | 0                  | 6              |
| 17 | MP2C         | Z         | -26.582            | 6              |
| 18 | MP2C         | Mx        | -.005              | 6              |
| 19 | MP2A         | X         | 0                  | 2              |
| 20 | MP2A         | Z         | -34.589            | 2              |
| 21 | MP2A         | Mx        | .03                | 2              |
| 22 | MP2A         | X         | 0                  | 6              |
| 23 | MP2A         | Z         | -34.589            | 6              |
| 24 | MP2A         | Mx        | .03                | 6              |
| 25 | MP2B         | X         | 0                  | 2              |
| 26 | MP2B         | Z         | -24.137            | 2              |
| 27 | MP2B         | Mx        | .013               | 2              |
| 28 | MP2B         | X         | 0                  | 6              |
| 29 | MP2B         | Z         | -24.137            | 6              |
| 30 | MP2B         | Mx        | .013               | 6              |
| 31 | MP2C         | X         | 0                  | 2              |
| 32 | MP2C         | Z         | -26.582            | 2              |
| 33 | MP2C         | Mx        | -.025              | 2              |
| 34 | MP2C         | X         | 0                  | 6              |
| 35 | MP2C         | Z         | -26.582            | 6              |
| 36 | MP2C         | Mx        | -.025              | 6              |
| 37 | MP4A         | X         | 0                  | 1              |
| 38 | MP4A         | Z         | -30.883            | 1              |
| 39 | MP4A         | Mx        | .004               | 1              |
| 40 | MP4A         | X         | 0                  | 7              |
| 41 | MP4A         | Z         | -30.883            | 7              |
| 42 | MP4A         | Mx        | .004               | 7              |
| 43 | MP4B         | X         | 0                  | 1              |
| 44 | MP4B         | Z         | -21.768            | 1              |
| 45 | MP4B         | Mx        | .014               | 1              |
| 46 | MP4B         | X         | 0                  | 7              |
| 47 | MP4B         | Z         | -21.768            | 7              |
| 48 | MP4B         | Mx        | .014               | 7              |
| 49 | MP4C         | X         | 0                  | 1              |
| 50 | MP4C         | Z         | -23.901            | 1              |
| 51 | MP4C         | Mx        | -.014              | 1              |
| 52 | MP4C         | X         | 0                  | 7              |
| 53 | MP4C         | Z         | -23.901            | 7              |
| 54 | MP4C         | Mx        | -.014              | 7              |
| 55 | MP3A         | X         | 0                  | 3              |
| 56 | MP3A         | Z         | -14.879            | 3              |
| 57 | MP3A         | Mx        | .002               | 3              |
| 58 | MP3A         | X         | 0                  | 5              |
| 59 | MP3A         | Z         | -14.879            | 5              |
| 60 | MP3A         | Mx        | .002               | 5              |
| 61 | MP3B         | X         | 0                  | 3              |
| 62 | MP3B         | Z         | -6.643             | 3              |
| 63 | MP3B         | Mx        | .004               | 3              |
| 64 | MP3B         | X         | 0                  | 5              |
| 65 | MP3B         | Z         | -6.643             | 5              |
| 66 | MP3B         | Mx        | .004               | 5              |
| 67 | MP3C         | X         | 0                  | 3              |



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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 68  | MP3C         | Z         | -8.57              | 3              |
| 69  | MP3C         | Mx        | -0.005             | 3              |
| 70  | MP3C         | X         | 0                  | 5              |
| 71  | MP3C         | Z         | -8.57              | 5              |
| 72  | MP3C         | Mx        | -0.005             | 5              |
| 73  | MP1A         | X         | 0                  | 4              |
| 74  | MP1A         | Z         | -7.865             | 4              |
| 75  | MP1A         | Mx        | .000683            | 4              |
| 76  | MP1B         | X         | 0                  | 4              |
| 77  | MP1B         | Z         | -2.514             | 4              |
| 78  | MP1B         | Mx        | .001               | 4              |
| 79  | MP1C         | X         | 0                  | 4              |
| 80  | MP1C         | Z         | -3.766             | 4              |
| 81  | MP1C         | Mx        | -.002              | 4              |
| 82  | OVP1         | X         | 0                  | 1              |
| 83  | OVP1         | Z         | -30.391            | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | 0                  | 4              |
| 86  | MP2A         | Z         | -3.744             | 4              |
| 87  | MP2A         | Mx        | -.000325           | 4              |
| 88  | MP2B         | X         | 0                  | 4              |
| 89  | MP2B         | Z         | -2.855             | 4              |
| 90  | MP2B         | Mx        | -.001              | 4              |
| 91  | MP2C         | X         | 0                  | 4              |
| 92  | MP2C         | Z         | -3.063             | 4              |
| 93  | MP2C         | Mx        | .001               | 4              |
| 94  | MP2A         | X         | 0                  | 1.5            |
| 95  | MP2A         | Z         | -15.478            | 1.5            |
| 96  | MP2A         | Mx        | -.002              | 1.5            |
| 97  | MP2B         | X         | 0                  | 1.5            |
| 98  | MP2B         | Z         | -10.999            | 1.5            |
| 99  | MP2B         | Mx        | -.007              | 1.5            |
| 100 | MP2C         | X         | 0                  | 1.5            |
| 101 | MP2C         | Z         | -12.047            | 1.5            |
| 102 | MP2C         | Mx        | .007               | 1.5            |
| 103 | MP1A         | X         | 0                  | 1.5            |
| 104 | MP1A         | Z         | -15.484            | 1.5            |
| 105 | MP1A         | Mx        | -.002              | 1.5            |
| 106 | MP1B         | X         | 0                  | 1.5            |
| 107 | MP1B         | Z         | -11.184            | 1.5            |
| 108 | MP1B         | Mx        | -.007              | 1.5            |
| 109 | MP1C         | X         | 0                  | 1.5            |
| 110 | MP1C         | Z         | -12.19             | 1.5            |
| 111 | MP1C         | Mx        | .007               | 1.5            |

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

|   | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP2A         | X         | 16.812             | 2              |
| 2 | MP2A         | Z         | -29.119            | 2              |
| 3 | MP2A         | Mx        | -.031              | 2              |
| 4 | MP2A         | X         | 16.812             | 6              |
| 5 | MP2A         | Z         | -29.119            | 6              |
| 6 | MP2A         | Mx        | -.031              | 6              |
| 7 | MP2B         | X         | 12.551             | 2              |
| 8 | MP2B         | Z         | -21.739            | 2              |
| 9 | MP2B         | Mx        | .009               | 2              |



Company :  
 Designer :  
 Job Number :  
 Model Name :

Nov 15, 2023  
 11:03 AM  
 Checked By: \_\_\_\_\_

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 10 | MP2B         | X         | 12.551             | 6              |
| 11 | MP2B         | Z         | -21.739            | 6              |
| 12 | MP2B         | Mx        | .009               | 6              |
| 13 | MP2C         | X         | 16.072             | 2              |
| 14 | MP2C         | Z         | -27.837            | 2              |
| 15 | MP2C         | Mx        | .01                | 2              |
| 16 | MP2C         | X         | 16.072             | 6              |
| 17 | MP2C         | Z         | -27.837            | 6              |
| 18 | MP2C         | Mx        | .01                | 6              |
| 19 | MP2A         | X         | 16.812             | 2              |
| 20 | MP2A         | Z         | -29.119            | 2              |
| 21 | MP2A         | Mx        | .016               | 2              |
| 22 | MP2A         | X         | 16.812             | 6              |
| 23 | MP2A         | Z         | -29.119            | 6              |
| 24 | MP2A         | Mx        | .016               | 6              |
| 25 | MP2B         | X         | 12.551             | 2              |
| 26 | MP2B         | Z         | -21.739            | 2              |
| 27 | MP2B         | Mx        | .022               | 2              |
| 28 | MP2B         | X         | 12.551             | 6              |
| 29 | MP2B         | Z         | -21.739            | 6              |
| 30 | MP2B         | Mx        | .022               | 6              |
| 31 | MP2C         | X         | 16.072             | 2              |
| 32 | MP2C         | Z         | -27.837            | 2              |
| 33 | MP2C         | Mx        | -.032              | 2              |
| 34 | MP2C         | X         | 16.072             | 6              |
| 35 | MP2C         | Z         | -27.837            | 6              |
| 36 | MP2C         | Mx        | -.032              | 6              |
| 37 | MP4A         | X         | 15.02              | 1              |
| 38 | MP4A         | Z         | -26.016            | 1              |
| 39 | MP4A         | Mx        | -.007              | 1              |
| 40 | MP4A         | X         | 15.02              | 7              |
| 41 | MP4A         | Z         | -26.016            | 7              |
| 42 | MP4A         | Mx        | -.007              | 7              |
| 43 | MP4B         | X         | 11.305             | 1              |
| 44 | MP4B         | Z         | -19.581            | 1              |
| 45 | MP4B         | Mx        | .014               | 1              |
| 46 | MP4B         | X         | 11.305             | 7              |
| 47 | MP4B         | Z         | -19.581            | 7              |
| 48 | MP4B         | Mx        | .014               | 7              |
| 49 | MP4C         | X         | 14.375             | 1              |
| 50 | MP4C         | Z         | -24.899            | 1              |
| 51 | MP4C         | Mx        | -.01               | 1              |
| 52 | MP4C         | X         | 14.375             | 7              |
| 53 | MP4C         | Z         | -24.899            | 7              |
| 54 | MP4C         | Mx        | -.01               | 7              |
| 55 | MP3A         | X         | 7.059              | 3              |
| 56 | MP3A         | Z         | -12.226            | 3              |
| 57 | MP3A         | Mx        | -.003              | 3              |
| 58 | MP3A         | X         | 7.059              | 5              |
| 59 | MP3A         | Z         | -12.226            | 5              |
| 60 | MP3A         | Mx        | -.003              | 5              |
| 61 | MP3B         | X         | 3.702              | 3              |
| 62 | MP3B         | Z         | -6.412             | 3              |
| 63 | MP3B         | Mx        | .005               | 3              |
| 64 | MP3B         | X         | 3.702              | 5              |
| 65 | MP3B         | Z         | -6.412             | 5              |
| 66 | MP3B         | Mx        | .005               | 5              |

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 67  | MP3C         | X         | 6.476              | 3              |
| 68  | MP3C         | Z         | -11.217            | 3              |
| 69  | MP3C         | Mx        | -.004              | 3              |
| 70  | MP3C         | X         | 6.476              | 5              |
| 71  | MP3C         | Z         | -11.217            | 5              |
| 72  | MP3C         | Mx        | -.004              | 5              |
| 73  | MP1A         | X         | 3.685              | 4              |
| 74  | MP1A         | Z         | -6.383             | 4              |
| 75  | MP1A         | Mx        | -.001              | 4              |
| 76  | MP1B         | X         | 1.504              | 4              |
| 77  | MP1B         | Z         | -2.605             | 4              |
| 78  | MP1B         | Mx        | .001               | 4              |
| 79  | MP1C         | X         | 3.306              | 4              |
| 80  | MP1C         | Z         | -5.727             | 4              |
| 81  | MP1C         | Mx        | -.002              | 4              |
| 82  | OVP1         | X         | 13.44              | 1              |
| 83  | OVP1         | Z         | -23.278            | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | 1.831              | 4              |
| 86  | MP2A         | Z         | -3.171             | 4              |
| 87  | MP2A         | Mx        | .000626            | 4              |
| 88  | MP2B         | X         | 1.469              | 4              |
| 89  | MP2B         | Z         | -2.544             | 4              |
| 90  | MP2B         | Mx        | -.001              | 4              |
| 91  | MP2C         | X         | 1.768              | 4              |
| 92  | MP2C         | Z         | -3.062             | 4              |
| 93  | MP2C         | Mx        | .000884            | 4              |
| 94  | MP2A         | X         | 7.532              | 1.5            |
| 95  | MP2A         | Z         | -13.046            | 1.5            |
| 96  | MP2A         | Mx        | .003               | 1.5            |
| 97  | MP2B         | X         | 5.707              | 1.5            |
| 98  | MP2B         | Z         | -9.884             | 1.5            |
| 99  | MP2B         | Mx        | -.007              | 1.5            |
| 100 | MP2C         | X         | 7.215              | 1.5            |
| 101 | MP2C         | Z         | -12.497            | 1.5            |
| 102 | MP2C         | Mx        | .005               | 1.5            |
| 103 | MP1A         | X         | 7.543              | 1.5            |
| 104 | MP1A         | Z         | -13.066            | 1.5            |
| 105 | MP1A         | Mx        | .003               | 1.5            |
| 106 | MP1B         | X         | 5.791              | 1.5            |
| 107 | MP1B         | Z         | -10.03             | 1.5            |
| 108 | MP1B         | Mx        | -.007              | 1.5            |
| 109 | MP1C         | X         | 7.239              | 1.5            |
| 110 | MP1C         | Z         | -12.538            | 1.5            |
| 111 | MP1C         | Mx        | .005               | 1.5            |

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

|   | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP2A         | X         | 24.593             | 2              |
| 2 | MP2A         | Z         | -14.199            | 2              |
| 3 | MP2A         | Mx        | -.028              | 2              |
| 4 | MP2A         | X         | 24.593             | 6              |
| 5 | MP2A         | Z         | -14.199            | 6              |
| 6 | MP2A         | Mx        | -.028              | 6              |
| 7 | MP2B         | X         | 26.265             | 2              |
| 8 | MP2B         | Z         | -15.164            | 2              |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 9  | MP2B         | Mx        | -.004              | 2              |
| 10 | MP2B         | X         | 26.265             | 6              |
| 11 | MP2B         | Z         | -15.164            | 6              |
| 12 | MP2B         | Mx        | -.004              | 6              |
| 13 | MP2C         | X         | 30.245             | 2              |
| 14 | MP2C         | Z         | -17.462            | 2              |
| 15 | MP2C         | Mx        | .026               | 2              |
| 16 | MP2C         | X         | 30.245             | 6              |
| 17 | MP2C         | Z         | -17.462            | 6              |
| 18 | MP2C         | Mx        | .026               | 6              |
| 19 | MP2A         | X         | 24.593             | 2              |
| 20 | MP2A         | Z         | -14.199            | 2              |
| 21 | MP2A         | Mx        | -.000812           | 2              |
| 22 | MP2A         | X         | 24.593             | 6              |
| 23 | MP2A         | Z         | -14.199            | 6              |
| 24 | MP2A         | Mx        | -.000812           | 6              |
| 25 | MP2B         | X         | 26.265             | 2              |
| 26 | MP2B         | Z         | -15.164            | 2              |
| 27 | MP2B         | Mx        | .03                | 2              |
| 28 | MP2B         | X         | 26.265             | 6              |
| 29 | MP2B         | Z         | -15.164            | 6              |
| 30 | MP2B         | Mx        | .03                | 6              |
| 31 | MP2C         | X         | 30.245             | 2              |
| 32 | MP2C         | Z         | -17.462            | 2              |
| 33 | MP2C         | Mx        | -.026              | 2              |
| 34 | MP2C         | X         | 30.245             | 6              |
| 35 | MP2C         | Z         | -17.462            | 6              |
| 36 | MP2C         | Mx        | -.026              | 6              |
| 37 | MP4A         | X         | 22.069             | 1              |
| 38 | MP4A         | Z         | -12.742            | 1              |
| 39 | MP4A         | Mx        | -.013              | 1              |
| 40 | MP4A         | X         | 22.069             | 7              |
| 41 | MP4A         | Z         | -12.742            | 7              |
| 42 | MP4A         | Mx        | -.013              | 7              |
| 43 | MP4B         | X         | 23.528             | 1              |
| 44 | MP4B         | Z         | -13.584            | 1              |
| 45 | MP4B         | Mx        | .012               | 1              |
| 46 | MP4B         | X         | 23.528             | 7              |
| 47 | MP4B         | Z         | -13.584            | 7              |
| 48 | MP4B         | Mx        | .012               | 7              |
| 49 | MP4C         | X         | 26.999             | 1              |
| 50 | MP4C         | Z         | -15.588            | 1              |
| 51 | MP4C         | Mx        | 0                  | 1              |
| 52 | MP4C         | X         | 26.999             | 7              |
| 53 | MP4C         | Z         | -15.588            | 7              |
| 54 | MP4C         | Mx        | 0                  | 7              |
| 55 | MP3A         | X         | 8.66               | 3              |
| 56 | MP3A         | Z         | -5                 | 3              |
| 57 | MP3A         | Mx        | -.005              | 3              |
| 58 | MP3A         | X         | 8.66               | 5              |
| 59 | MP3A         | Z         | -5                 | 5              |
| 60 | MP3A         | Mx        | -.005              | 5              |
| 61 | MP3B         | X         | 9.978              | 3              |
| 62 | MP3B         | Z         | -5.761             | 3              |
| 63 | MP3B         | Mx        | .005               | 3              |
| 64 | MP3B         | X         | 9.978              | 5              |
| 65 | MP3B         | Z         | -5.761             | 5              |

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 66  | MP3B         | Mx        | .005               | 5              |
| 67  | MP3C         | X         | 13.114             | 3              |
| 68  | MP3C         | Z         | -7.571             | 3              |
| 69  | MP3C         | Mx        | 0                  | 3              |
| 70  | MP3C         | X         | 13.114             | 5              |
| 71  | MP3C         | Z         | -7.571             | 5              |
| 72  | MP3C         | Mx        | 0                  | 5              |
| 73  | MP1A         | X         | 4.066              | 4              |
| 74  | MP1A         | Z         | -2.347             | 4              |
| 75  | MP1A         | Mx        | -.002              | 4              |
| 76  | MP1B         | X         | 4.922              | 4              |
| 77  | MP1B         | Z         | -2.842             | 4              |
| 78  | MP1B         | Mx        | .002               | 4              |
| 79  | MP1C         | X         | 6.96               | 4              |
| 80  | MP1C         | Z         | -4.018             | 4              |
| 81  | MP1C         | Mx        | 0                  | 4              |
| 82  | OVP1         | X         | 21.757             | 1              |
| 83  | OVP1         | Z         | -12.562            | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | 2.786              | 4              |
| 86  | MP2A         | Z         | -1.609             | 4              |
| 87  | MP2A         | Mx        | .001               | 4              |
| 88  | MP2B         | X         | 2.929              | 4              |
| 89  | MP2B         | Z         | -1.691             | 4              |
| 90  | MP2B         | Mx        | -.001              | 4              |
| 91  | MP2C         | X         | 3.267              | 4              |
| 92  | MP2C         | Z         | -1.886             | 4              |
| 93  | MP2C         | Mx        | 0                  | 4              |
| 94  | MP2A         | X         | 11.107             | 1.5            |
| 95  | MP2A         | Z         | -6.412             | 1.5            |
| 96  | MP2A         | Mx        | .007               | 1.5            |
| 97  | MP2B         | X         | 11.823             | 1.5            |
| 98  | MP2B         | Z         | -6.826             | 1.5            |
| 99  | MP2B         | Mx        | -.006              | 1.5            |
| 100 | MP2C         | X         | 13.529             | 1.5            |
| 101 | MP2C         | Z         | -7.811             | 1.5            |
| 102 | MP2C         | Mx        | 0                  | 1.5            |
| 103 | MP1A         | X         | 11.204             | 1.5            |
| 104 | MP1A         | Z         | -6.468             | 1.5            |
| 105 | MP1A         | Mx        | .007               | 1.5            |
| 106 | MP1B         | X         | 11.892             | 1.5            |
| 107 | MP1B         | Z         | -6.866             | 1.5            |
| 108 | MP1B         | Mx        | -.006              | 1.5            |
| 109 | MP1C         | X         | 13.529             | 1.5            |
| 110 | MP1C         | Z         | -7.811             | 1.5            |
| 111 | MP1C         | Mx        | 0                  | 1.5            |

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

|   | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP2A         | X         | 24.137             | 2              |
| 2 | MP2A         | Z         | 0                  | 2              |
| 3 | MP2A         | Mx        | -.019              | 2              |
| 4 | MP2A         | X         | 24.137             | 6              |
| 5 | MP2A         | Z         | 0                  | 6              |
| 6 | MP2A         | Mx        | -.019              | 6              |
| 7 | MP2B         | X         | 34.589             | 2              |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 8  | MP2B         | Z         | 0                  | 2              |
| 9  | MP2B         | Mx        | -.022              | 2              |
| 10 | MP2B         | X         | 34.589             | 6              |
| 11 | MP2B         | Z         | 0                  | 6              |
| 12 | MP2B         | Mx        | -.022              | 6              |
| 13 | MP2C         | X         | 32.144             | 2              |
| 14 | MP2C         | Z         | 0                  | 2              |
| 15 | MP2C         | Mx        | .032               | 2              |
| 16 | MP2C         | X         | 32.144             | 6              |
| 17 | MP2C         | Z         | 0                  | 6              |
| 18 | MP2C         | Mx        | .032               | 6              |
| 19 | MP2A         | X         | 24.137             | 2              |
| 20 | MP2A         | Z         | 0                  | 2              |
| 21 | MP2A         | Mx        | -.013              | 2              |
| 22 | MP2A         | X         | 24.137             | 6              |
| 23 | MP2A         | Z         | 0                  | 6              |
| 24 | MP2A         | Mx        | -.013              | 6              |
| 25 | MP2B         | X         | 34.589             | 2              |
| 26 | MP2B         | Z         | 0                  | 2              |
| 27 | MP2B         | Mx        | .03                | 2              |
| 28 | MP2B         | X         | 34.589             | 6              |
| 29 | MP2B         | Z         | 0                  | 6              |
| 30 | MP2B         | Mx        | .03                | 6              |
| 31 | MP2C         | X         | 32.144             | 2              |
| 32 | MP2C         | Z         | 0                  | 2              |
| 33 | MP2C         | Mx        | -.01               | 2              |
| 34 | MP2C         | X         | 32.144             | 6              |
| 35 | MP2C         | Z         | 0                  | 6              |
| 36 | MP2C         | Mx        | -.01               | 6              |
| 37 | MP4A         | X         | 21.768             | 1              |
| 38 | MP4A         | Z         | 0                  | 1              |
| 39 | MP4A         | Mx        | -.014              | 1              |
| 40 | MP4A         | X         | 21.768             | 7              |
| 41 | MP4A         | Z         | 0                  | 7              |
| 42 | MP4A         | Mx        | -.014              | 7              |
| 43 | MP4B         | X         | 30.883             | 1              |
| 44 | MP4B         | Z         | 0                  | 1              |
| 45 | MP4B         | Mx        | .004               | 1              |
| 46 | MP4B         | X         | 30.883             | 7              |
| 47 | MP4B         | Z         | 0                  | 7              |
| 48 | MP4B         | Mx        | .004               | 7              |
| 49 | MP4C         | X         | 28.751             | 1              |
| 50 | MP4C         | Z         | 0                  | 1              |
| 51 | MP4C         | Mx        | .01                | 1              |
| 52 | MP4C         | X         | 28.751             | 7              |
| 53 | MP4C         | Z         | 0                  | 7              |
| 54 | MP4C         | Mx        | .01                | 7              |
| 55 | MP3A         | X         | 6.643              | 3              |
| 56 | MP3A         | Z         | 0                  | 3              |
| 57 | MP3A         | Mx        | -.004              | 3              |
| 58 | MP3A         | X         | 6.643              | 5              |
| 59 | MP3A         | Z         | 0                  | 5              |
| 60 | MP3A         | Mx        | -.004              | 5              |
| 61 | MP3B         | X         | 14.879             | 3              |
| 62 | MP3B         | Z         | 0                  | 3              |
| 63 | MP3B         | Mx        | .002               | 3              |
| 64 | MP3B         | X         | 14.879             | 5              |

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft,%] |
|-----|--------------|-----------|--------------------|----------------|
| 65  | MP3B         | Z         | 0                  | 5              |
| 66  | MP3B         | Mx        | .002               | 5              |
| 67  | MP3C         | X         | 12.952             | 3              |
| 68  | MP3C         | Z         | 0                  | 3              |
| 69  | MP3C         | Mx        | .004               | 3              |
| 70  | MP3C         | X         | 12.952             | 5              |
| 71  | MP3C         | Z         | 0                  | 5              |
| 72  | MP3C         | Mx        | .004               | 5              |
| 73  | MP1A         | X         | 2.514              | 4              |
| 74  | MP1A         | Z         | 0                  | 4              |
| 75  | MP1A         | Mx        | -.001              | 4              |
| 76  | MP1B         | X         | 7.865              | 4              |
| 77  | MP1B         | Z         | 0                  | 4              |
| 78  | MP1B         | Mx        | .000683            | 4              |
| 79  | MP1C         | X         | 6.613              | 4              |
| 80  | MP1C         | Z         | 0                  | 4              |
| 81  | MP1C         | Mx        | .002               | 4              |
| 82  | OVP1         | X         | 26.879             | 1              |
| 83  | OVP1         | Z         | 0                  | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | 2.855              | 4              |
| 86  | MP2A         | Z         | 0                  | 4              |
| 87  | MP2A         | Mx        | .001               | 4              |
| 88  | MP2B         | X         | 3.744              | 4              |
| 89  | MP2B         | Z         | 0                  | 4              |
| 90  | MP2B         | Mx        | -.000325           | 4              |
| 91  | MP2C         | X         | 3.536              | 4              |
| 92  | MP2C         | Z         | 0                  | 4              |
| 93  | MP2C         | Mx        | -.000884           | 4              |
| 94  | MP2A         | X         | 10.999             | 1.5            |
| 95  | MP2A         | Z         | 0                  | 1.5            |
| 96  | MP2A         | Mx        | .007               | 1.5            |
| 97  | MP2B         | X         | 15.478             | 1.5            |
| 98  | MP2B         | Z         | 0                  | 1.5            |
| 99  | MP2B         | Mx        | -.002              | 1.5            |
| 100 | MP2C         | X         | 14.43              | 1.5            |
| 101 | MP2C         | Z         | 0                  | 1.5            |
| 102 | MP2C         | Mx        | -.005              | 1.5            |
| 103 | MP1A         | X         | 11.184             | 1.5            |
| 104 | MP1A         | Z         | 0                  | 1.5            |
| 105 | MP1A         | Mx        | .007               | 1.5            |
| 106 | MP1B         | X         | 15.484             | 1.5            |
| 107 | MP1B         | Z         | 0                  | 1.5            |
| 108 | MP1B         | Mx        | -.002              | 1.5            |
| 109 | MP1C         | X         | 14.478             | 1.5            |
| 110 | MP1C         | Z         | 0                  | 1.5            |
| 111 | MP1C         | Mx        | -.005              | 1.5            |

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

|   | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft,%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP2A         | X         | 21.739             | 2              |
| 2 | MP2A         | Z         | 12.551             | 2              |
| 3 | MP2A         | Mx        | -.009              | 2              |
| 4 | MP2A         | X         | 21.739             | 6              |
| 5 | MP2A         | Z         | 12.551             | 6              |
| 6 | MP2A         | Mx        | -.009              | 6              |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 7  | MP2B         | X         | 29.119             | 2              |
| 8  | MP2B         | Z         | 16.812             | 2              |
| 9  | MP2B         | Mx        | -.031              | 2              |
| 10 | MP2B         | X         | 29.119             | 6              |
| 11 | MP2B         | Z         | 16.812             | 6              |
| 12 | MP2B         | Mx        | -.031              | 6              |
| 13 | MP2C         | X         | 23.021             | 2              |
| 14 | MP2C         | Z         | 13.291             | 2              |
| 15 | MP2C         | Mx        | .025               | 2              |
| 16 | MP2C         | X         | 23.021             | 6              |
| 17 | MP2C         | Z         | 13.291             | 6              |
| 18 | MP2C         | Mx        | .025               | 6              |
| 19 | MP2A         | X         | 21.739             | 2              |
| 20 | MP2A         | Z         | 12.551             | 2              |
| 21 | MP2A         | Mx        | -.022              | 2              |
| 22 | MP2A         | X         | 21.739             | 6              |
| 23 | MP2A         | Z         | 12.551             | 6              |
| 24 | MP2A         | Mx        | -.022              | 6              |
| 25 | MP2B         | X         | 29.119             | 2              |
| 26 | MP2B         | Z         | 16.812             | 2              |
| 27 | MP2B         | Mx        | .016               | 2              |
| 28 | MP2B         | X         | 29.119             | 6              |
| 29 | MP2B         | Z         | 16.812             | 6              |
| 30 | MP2B         | Mx        | .016               | 6              |
| 31 | MP2C         | X         | 23.021             | 2              |
| 32 | MP2C         | Z         | 13.291             | 2              |
| 33 | MP2C         | Mx        | .005               | 2              |
| 34 | MP2C         | X         | 23.021             | 6              |
| 35 | MP2C         | Z         | 13.291             | 6              |
| 36 | MP2C         | Mx        | .005               | 6              |
| 37 | MP4A         | X         | 19.581             | 1              |
| 38 | MP4A         | Z         | 11.305             | 1              |
| 39 | MP4A         | Mx        | -.014              | 1              |
| 40 | MP4A         | X         | 19.581             | 7              |
| 41 | MP4A         | Z         | 11.305             | 7              |
| 42 | MP4A         | Mx        | -.014              | 7              |
| 43 | MP4B         | X         | 26.016             | 1              |
| 44 | MP4B         | Z         | 15.02              | 1              |
| 45 | MP4B         | Mx        | -.007              | 1              |
| 46 | MP4B         | X         | 26.016             | 7              |
| 47 | MP4B         | Z         | 15.02              | 7              |
| 48 | MP4B         | Mx        | -.007              | 7              |
| 49 | MP4C         | X         | 20.699             | 1              |
| 50 | MP4C         | Z         | 11.95              | 1              |
| 51 | MP4C         | Mx        | .014               | 1              |
| 52 | MP4C         | X         | 20.699             | 7              |
| 53 | MP4C         | Z         | 11.95              | 7              |
| 54 | MP4C         | Mx        | .014               | 7              |
| 55 | MP3A         | X         | 6.412              | 3              |
| 56 | MP3A         | Z         | 3.702              | 3              |
| 57 | MP3A         | Mx        | -.005              | 3              |
| 58 | MP3A         | X         | 6.412              | 5              |
| 59 | MP3A         | Z         | 3.702              | 5              |
| 60 | MP3A         | Mx        | -.005              | 5              |
| 61 | MP3B         | X         | 12.226             | 3              |
| 62 | MP3B         | Z         | 7.059              | 3              |
| 63 | MP3B         | Mx        | -.003              | 3              |



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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 64  | MP3B         | X         | 12.226             | 5              |
| 65  | MP3B         | Z         | 7.059              | 5              |
| 66  | MP3B         | Mx        | -.003              | 5              |
| 67  | MP3C         | X         | 7.422              | 3              |
| 68  | MP3C         | Z         | 4.285              | 3              |
| 69  | MP3C         | Mx        | .005               | 3              |
| 70  | MP3C         | X         | 7.422              | 5              |
| 71  | MP3C         | Z         | 4.285              | 5              |
| 72  | MP3C         | Mx        | .005               | 5              |
| 73  | MP1A         | X         | 2.605              | 4              |
| 74  | MP1A         | Z         | 1.504              | 4              |
| 75  | MP1A         | Mx        | -.001              | 4              |
| 76  | MP1B         | X         | 6.383              | 4              |
| 77  | MP1B         | Z         | 3.685              | 4              |
| 78  | MP1B         | Mx        | -.001              | 4              |
| 79  | MP1C         | X         | 3.261              | 4              |
| 80  | MP1C         | Z         | 1.883              | 4              |
| 81  | MP1C         | Mx        | .002               | 4              |
| 82  | OVP1         | X         | 26.319             | 1              |
| 83  | OVP1         | Z         | 15.195             | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | 2.544              | 4              |
| 86  | MP2A         | Z         | 1.469              | 4              |
| 87  | MP2A         | Mx        | .001               | 4              |
| 88  | MP2B         | X         | 3.171              | 4              |
| 89  | MP2B         | Z         | 1.831              | 4              |
| 90  | MP2B         | Mx        | .000626            | 4              |
| 91  | MP2C         | X         | 2.653              | 4              |
| 92  | MP2C         | Z         | 1.531              | 4              |
| 93  | MP2C         | Mx        | -.001              | 4              |
| 94  | MP2A         | X         | 9.884              | 1.5            |
| 95  | MP2A         | Z         | 5.707              | 1.5            |
| 96  | MP2A         | Mx        | .007               | 1.5            |
| 97  | MP2B         | X         | 13.046             | 1.5            |
| 98  | MP2B         | Z         | 7.532              | 1.5            |
| 99  | MP2B         | Mx        | .003               | 1.5            |
| 100 | MP2C         | X         | 10.433             | 1.5            |
| 101 | MP2C         | Z         | 6.024              | 1.5            |
| 102 | MP2C         | Mx        | -.007              | 1.5            |
| 103 | MP1A         | X         | 10.03              | 1.5            |
| 104 | MP1A         | Z         | 5.791              | 1.5            |
| 105 | MP1A         | Mx        | .007               | 1.5            |
| 106 | MP1B         | X         | 13.066             | 1.5            |
| 107 | MP1B         | Z         | 7.543              | 1.5            |
| 108 | MP1B         | Mx        | .003               | 1.5            |
| 109 | MP1C         | X         | 10.557             | 1.5            |
| 110 | MP1C         | Z         | 6.095              | 1.5            |
| 111 | MP1C         | Mx        | -.007              | 1.5            |

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

|   | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP2A         | X         | 15.164             | 2              |
| 2 | MP2A         | Z         | 26.265             | 2              |
| 3 | MP2A         | Mx        | .004               | 2              |
| 4 | MP2A         | X         | 15.164             | 6              |
| 5 | MP2A         | Z         | 26.265             | 6              |



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

| Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |   |
|--------------|-----------|--------------------|----------------|---|
| 6            | MP2A      | Mx                 | .004           | 6 |
| 7            | MP2B      | X                  | 14.199         | 2 |
| 8            | MP2B      | Z                  | 24.593         | 2 |
| 9            | MP2B      | Mx                 | -.028          | 2 |
| 10           | MP2B      | X                  | 14.199         | 6 |
| 11           | MP2B      | Z                  | 24.593         | 6 |
| 12           | MP2B      | Mx                 | -.028          | 6 |
| 13           | MP2C      | X                  | 11.901         | 2 |
| 14           | MP2C      | Z                  | 20.612         | 2 |
| 15           | MP2C      | Mx                 | .016           | 2 |
| 16           | MP2C      | X                  | 11.901         | 6 |
| 17           | MP2C      | Z                  | 20.612         | 6 |
| 18           | MP2C      | Mx                 | .016           | 6 |
| 19           | MP2A      | X                  | 15.164         | 2 |
| 20           | MP2A      | Z                  | 26.265         | 2 |
| 21           | MP2A      | Mx                 | -.03           | 2 |
| 22           | MP2A      | X                  | 15.164         | 6 |
| 23           | MP2A      | Z                  | 26.265         | 6 |
| 24           | MP2A      | Mx                 | -.03           | 6 |
| 25           | MP2B      | X                  | 14.199         | 2 |
| 26           | MP2B      | Z                  | 24.593         | 2 |
| 27           | MP2B      | Mx                 | -.000812       | 2 |
| 28           | MP2B      | X                  | 14.199         | 6 |
| 29           | MP2B      | Z                  | 24.593         | 6 |
| 30           | MP2B      | Mx                 | -.000812       | 6 |
| 31           | MP2C      | X                  | 11.901         | 2 |
| 32           | MP2C      | Z                  | 20.612         | 2 |
| 33           | MP2C      | Mx                 | .016           | 2 |
| 34           | MP2C      | X                  | 11.901         | 6 |
| 35           | MP2C      | Z                  | 20.612         | 6 |
| 36           | MP2C      | Mx                 | .016           | 6 |
| 37           | MP4A      | X                  | 13.584         | 1 |
| 38           | MP4A      | Z                  | 23.528         | 1 |
| 39           | MP4A      | Mx                 | -.012          | 1 |
| 40           | MP4A      | X                  | 13.584         | 7 |
| 41           | MP4A      | Z                  | 23.528         | 7 |
| 42           | MP4A      | Mx                 | -.012          | 7 |
| 43           | MP4B      | X                  | 12.742         | 1 |
| 44           | MP4B      | Z                  | 22.069         | 1 |
| 45           | MP4B      | Mx                 | -.013          | 1 |
| 46           | MP4B      | X                  | 12.742         | 7 |
| 47           | MP4B      | Z                  | 22.069         | 7 |
| 48           | MP4B      | Mx                 | -.013          | 7 |
| 49           | MP4C      | X                  | 10.738         | 1 |
| 50           | MP4C      | Z                  | 18.599         | 1 |
| 51           | MP4C      | Mx                 | .014           | 1 |
| 52           | MP4C      | X                  | 10.738         | 7 |
| 53           | MP4C      | Z                  | 18.599         | 7 |
| 54           | MP4C      | Mx                 | .014           | 7 |
| 55           | MP3A      | X                  | 5.761          | 3 |
| 56           | MP3A      | Z                  | 9.978          | 3 |
| 57           | MP3A      | Mx                 | -.005          | 3 |
| 58           | MP3A      | X                  | 5.761          | 5 |
| 59           | MP3A      | Z                  | 9.978          | 5 |
| 60           | MP3A      | Mx                 | -.005          | 5 |
| 61           | MP3B      | X                  | 5              | 3 |
| 62           | MP3B      | Z                  | 8.66           | 3 |

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 63  | MP3B         | Mx        | -.005              | 3              |
| 64  | MP3B         | X         | 5                  | 5              |
| 65  | MP3B         | Z         | 8.66               | 5              |
| 66  | MP3B         | Mx        | -.005              | 5              |
| 67  | MP3C         | X         | 3.189              | 3              |
| 68  | MP3C         | Z         | 5.524              | 3              |
| 69  | MP3C         | Mx        | .004               | 3              |
| 70  | MP3C         | X         | 3.189              | 5              |
| 71  | MP3C         | Z         | 5.524              | 5              |
| 72  | MP3C         | Mx        | .004               | 5              |
| 73  | MP1A         | X         | 2.842              | 4              |
| 74  | MP1A         | Z         | 4.922              | 4              |
| 75  | MP1A         | Mx        | -.002              | 4              |
| 76  | MP1B         | X         | 2.347              | 4              |
| 77  | MP1B         | Z         | 4.066              | 4              |
| 78  | MP1B         | Mx        | -.002              | 4              |
| 79  | MP1C         | X         | 1.171              | 4              |
| 80  | MP1C         | Z         | 2.028              | 4              |
| 81  | MP1C         | Mx        | .001               | 4              |
| 82  | OVP1         | X         | 16.073             | 1              |
| 83  | OVP1         | Z         | 27.839             | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | 1.691              | 4              |
| 86  | MP2A         | Z         | 2.929              | 4              |
| 87  | MP2A         | Mx        | .001               | 4              |
| 88  | MP2B         | X         | 1.609              | 4              |
| 89  | MP2B         | Z         | 2.786              | 4              |
| 90  | MP2B         | Mx        | .001               | 4              |
| 91  | MP2C         | X         | 1.413              | 4              |
| 92  | MP2C         | Z         | 2.448              | 4              |
| 93  | MP2C         | Mx        | -.001              | 4              |
| 94  | MP2A         | X         | 6.826              | 1.5            |
| 95  | MP2A         | Z         | 11.823             | 1.5            |
| 96  | MP2A         | Mx        | .006               | 1.5            |
| 97  | MP2B         | X         | 6.412              | 1.5            |
| 98  | MP2B         | Z         | 11.107             | 1.5            |
| 99  | MP2B         | Mx        | .007               | 1.5            |
| 100 | MP2C         | X         | 5.428              | 1.5            |
| 101 | MP2C         | Z         | 9.401              | 1.5            |
| 102 | MP2C         | Mx        | -.007              | 1.5            |
| 103 | MP1A         | X         | 6.866              | 1.5            |
| 104 | MP1A         | Z         | 11.892             | 1.5            |
| 105 | MP1A         | Mx        | .006               | 1.5            |
| 106 | MP1B         | X         | 6.468              | 1.5            |
| 107 | MP1B         | Z         | 11.204             | 1.5            |
| 108 | MP1B         | Mx        | .007               | 1.5            |
| 109 | MP1C         | X         | 5.523              | 1.5            |
| 110 | MP1C         | Z         | 9.566              | 1.5            |
| 111 | MP1C         | Mx        | -.007              | 1.5            |

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

|   | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP2A         | X         | 0                  | 2              |
| 2 | MP2A         | Z         | 34.589             | 2              |
| 3 | MP2A         | Mx        | .022               | 2              |
| 4 | MP2A         | X         | 0                  | 6              |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 5  | MP2A         | Z         | 34.589             | 6              |
| 6  | MP2A         | Mx        | .022               | 6              |
| 7  | MP2B         | X         | 0                  | 2              |
| 8  | MP2B         | Z         | 24.137             | 2              |
| 9  | MP2B         | Mx        | -.019              | 2              |
| 10 | MP2B         | X         | 0                  | 6              |
| 11 | MP2B         | Z         | 24.137             | 6              |
| 12 | MP2B         | Mx        | -.019              | 6              |
| 13 | MP2C         | X         | 0                  | 2              |
| 14 | MP2C         | Z         | 26.582             | 2              |
| 15 | MP2C         | Mx        | .005               | 2              |
| 16 | MP2C         | X         | 0                  | 6              |
| 17 | MP2C         | Z         | 26.582             | 6              |
| 18 | MP2C         | Mx        | .005               | 6              |
| 19 | MP2A         | X         | 0                  | 2              |
| 20 | MP2A         | Z         | 34.589             | 2              |
| 21 | MP2A         | Mx        | -.03               | 2              |
| 22 | MP2A         | X         | 0                  | 6              |
| 23 | MP2A         | Z         | 34.589             | 6              |
| 24 | MP2A         | Mx        | -.03               | 6              |
| 25 | MP2B         | X         | 0                  | 2              |
| 26 | MP2B         | Z         | 24.137             | 2              |
| 27 | MP2B         | Mx        | -.013              | 2              |
| 28 | MP2B         | X         | 0                  | 6              |
| 29 | MP2B         | Z         | 24.137             | 6              |
| 30 | MP2B         | Mx        | -.013              | 6              |
| 31 | MP2C         | X         | 0                  | 2              |
| 32 | MP2C         | Z         | 26.582             | 2              |
| 33 | MP2C         | Mx        | .025               | 2              |
| 34 | MP2C         | X         | 0                  | 6              |
| 35 | MP2C         | Z         | 26.582             | 6              |
| 36 | MP2C         | Mx        | .025               | 6              |
| 37 | MP4A         | X         | 0                  | 1              |
| 38 | MP4A         | Z         | 30.883             | 1              |
| 39 | MP4A         | Mx        | -.004              | 1              |
| 40 | MP4A         | X         | 0                  | 7              |
| 41 | MP4A         | Z         | 30.883             | 7              |
| 42 | MP4A         | Mx        | -.004              | 7              |
| 43 | MP4B         | X         | 0                  | 1              |
| 44 | MP4B         | Z         | 21.768             | 1              |
| 45 | MP4B         | Mx        | -.014              | 1              |
| 46 | MP4B         | X         | 0                  | 7              |
| 47 | MP4B         | Z         | 21.768             | 7              |
| 48 | MP4B         | Mx        | -.014              | 7              |
| 49 | MP4C         | X         | 0                  | 1              |
| 50 | MP4C         | Z         | 23.901             | 1              |
| 51 | MP4C         | Mx        | .014               | 1              |
| 52 | MP4C         | X         | 0                  | 7              |
| 53 | MP4C         | Z         | 23.901             | 7              |
| 54 | MP4C         | Mx        | .014               | 7              |
| 55 | MP3A         | X         | 0                  | 3              |
| 56 | MP3A         | Z         | 14.879             | 3              |
| 57 | MP3A         | Mx        | -.002              | 3              |
| 58 | MP3A         | X         | 0                  | 5              |
| 59 | MP3A         | Z         | 14.879             | 5              |
| 60 | MP3A         | Mx        | -.002              | 5              |
| 61 | MP3B         | X         | 0                  | 3              |

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 62  | MP3B         | Z         | 6.643              | 3              |
| 63  | MP3B         | Mx        | -.004              | 3              |
| 64  | MP3B         | X         | 0                  | 5              |
| 65  | MP3B         | Z         | 6.643              | 5              |
| 66  | MP3B         | Mx        | -.004              | 5              |
| 67  | MP3C         | X         | 0                  | 3              |
| 68  | MP3C         | Z         | 8.57               | 3              |
| 69  | MP3C         | Mx        | .005               | 3              |
| 70  | MP3C         | X         | 0                  | 5              |
| 71  | MP3C         | Z         | 8.57               | 5              |
| 72  | MP3C         | Mx        | .005               | 5              |
| 73  | MP1A         | X         | 0                  | 4              |
| 74  | MP1A         | Z         | 7.865              | 4              |
| 75  | MP1A         | Mx        | -.000683           | 4              |
| 76  | MP1B         | X         | 0                  | 4              |
| 77  | MP1B         | Z         | 2.514              | 4              |
| 78  | MP1B         | Mx        | -.001              | 4              |
| 79  | MP1C         | X         | 0                  | 4              |
| 80  | MP1C         | Z         | 3.766              | 4              |
| 81  | MP1C         | Mx        | .002               | 4              |
| 82  | OVP1         | X         | 0                  | 1              |
| 83  | OVP1         | Z         | 30.391             | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | 0                  | 4              |
| 86  | MP2A         | Z         | 3.744              | 4              |
| 87  | MP2A         | Mx        | .000325            | 4              |
| 88  | MP2B         | X         | 0                  | 4              |
| 89  | MP2B         | Z         | 2.855              | 4              |
| 90  | MP2B         | Mx        | .001               | 4              |
| 91  | MP2C         | X         | 0                  | 4              |
| 92  | MP2C         | Z         | 3.063              | 4              |
| 93  | MP2C         | Mx        | -.001              | 4              |
| 94  | MP2A         | X         | 0                  | 1.5            |
| 95  | MP2A         | Z         | 15.478             | 1.5            |
| 96  | MP2A         | Mx        | .002               | 1.5            |
| 97  | MP2B         | X         | 0                  | 1.5            |
| 98  | MP2B         | Z         | 10.999             | 1.5            |
| 99  | MP2B         | Mx        | .007               | 1.5            |
| 100 | MP2C         | X         | 0                  | 1.5            |
| 101 | MP2C         | Z         | 12.047             | 1.5            |
| 102 | MP2C         | Mx        | -.007              | 1.5            |
| 103 | MP1A         | X         | 0                  | 1.5            |
| 104 | MP1A         | Z         | 15.484             | 1.5            |
| 105 | MP1A         | Mx        | .002               | 1.5            |
| 106 | MP1B         | X         | 0                  | 1.5            |
| 107 | MP1B         | Z         | 11.184             | 1.5            |
| 108 | MP1B         | Mx        | .007               | 1.5            |
| 109 | MP1C         | X         | 0                  | 1.5            |
| 110 | MP1C         | Z         | 12.19              | 1.5            |
| 111 | MP1C         | Mx        | -.007              | 1.5            |

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

|   | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP2A         | X         | -16.812            | 2              |
| 2 | MP2A         | Z         | 29.119             | 2              |
| 3 | MP2A         | Mx        | .031               | 2              |



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 4  | MP2A         | X         | -16.812            | 6              |
| 5  | MP2A         | Z         | 29.119             | 6              |
| 6  | MP2A         | Mx        | .031               | 6              |
| 7  | MP2B         | X         | -12.551            | 2              |
| 8  | MP2B         | Z         | 21.739             | 2              |
| 9  | MP2B         | Mx        | -.009              | 2              |
| 10 | MP2B         | X         | -12.551            | 6              |
| 11 | MP2B         | Z         | 21.739             | 6              |
| 12 | MP2B         | Mx        | -.009              | 6              |
| 13 | MP2C         | X         | -16.072            | 2              |
| 14 | MP2C         | Z         | 27.837             | 2              |
| 15 | MP2C         | Mx        | -.01               | 2              |
| 16 | MP2C         | X         | -16.072            | 6              |
| 17 | MP2C         | Z         | 27.837             | 6              |
| 18 | MP2C         | Mx        | -.01               | 6              |
| 19 | MP2A         | X         | -16.812            | 2              |
| 20 | MP2A         | Z         | 29.119             | 2              |
| 21 | MP2A         | Mx        | -.016              | 2              |
| 22 | MP2A         | X         | -16.812            | 6              |
| 23 | MP2A         | Z         | 29.119             | 6              |
| 24 | MP2A         | Mx        | -.016              | 6              |
| 25 | MP2B         | X         | -12.551            | 2              |
| 26 | MP2B         | Z         | 21.739             | 2              |
| 27 | MP2B         | Mx        | -.022              | 2              |
| 28 | MP2B         | X         | -12.551            | 6              |
| 29 | MP2B         | Z         | 21.739             | 6              |
| 30 | MP2B         | Mx        | -.022              | 6              |
| 31 | MP2C         | X         | -16.072            | 2              |
| 32 | MP2C         | Z         | 27.837             | 2              |
| 33 | MP2C         | Mx        | .032               | 2              |
| 34 | MP2C         | X         | -16.072            | 6              |
| 35 | MP2C         | Z         | 27.837             | 6              |
| 36 | MP2C         | Mx        | .032               | 6              |
| 37 | MP4A         | X         | -15.02             | 1              |
| 38 | MP4A         | Z         | 26.016             | 1              |
| 39 | MP4A         | Mx        | .007               | 1              |
| 40 | MP4A         | X         | -15.02             | 7              |
| 41 | MP4A         | Z         | 26.016             | 7              |
| 42 | MP4A         | Mx        | .007               | 7              |
| 43 | MP4B         | X         | -11.305            | 1              |
| 44 | MP4B         | Z         | 19.581             | 1              |
| 45 | MP4B         | Mx        | -.014              | 1              |
| 46 | MP4B         | X         | -11.305            | 7              |
| 47 | MP4B         | Z         | 19.581             | 7              |
| 48 | MP4B         | Mx        | -.014              | 7              |
| 49 | MP4C         | X         | -14.375            | 1              |
| 50 | MP4C         | Z         | 24.899             | 1              |
| 51 | MP4C         | Mx        | .01                | 1              |
| 52 | MP4C         | X         | -14.375            | 7              |
| 53 | MP4C         | Z         | 24.899             | 7              |
| 54 | MP4C         | Mx        | .01                | 7              |
| 55 | MP3A         | X         | -7.059             | 3              |
| 56 | MP3A         | Z         | 12.226             | 3              |
| 57 | MP3A         | Mx        | .003               | 3              |
| 58 | MP3A         | X         | -7.059             | 5              |
| 59 | MP3A         | Z         | 12.226             | 5              |
| 60 | MP3A         | Mx        | .003               | 5              |

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 61  | MP3B         | X         | -3.702             | 3              |
| 62  | MP3B         | Z         | 6.412              | 3              |
| 63  | MP3B         | Mx        | -.005              | 3              |
| 64  | MP3B         | X         | -3.702             | 5              |
| 65  | MP3B         | Z         | 6.412              | 5              |
| 66  | MP3B         | Mx        | -.005              | 5              |
| 67  | MP3C         | X         | -6.476             | 3              |
| 68  | MP3C         | Z         | 11.217             | 3              |
| 69  | MP3C         | Mx        | .004               | 3              |
| 70  | MP3C         | X         | -6.476             | 5              |
| 71  | MP3C         | Z         | 11.217             | 5              |
| 72  | MP3C         | Mx        | .004               | 5              |
| 73  | MP1A         | X         | -3.685             | 4              |
| 74  | MP1A         | Z         | 6.383              | 4              |
| 75  | MP1A         | Mx        | .001               | 4              |
| 76  | MP1B         | X         | -1.504             | 4              |
| 77  | MP1B         | Z         | 2.605              | 4              |
| 78  | MP1B         | Mx        | -.001              | 4              |
| 79  | MP1C         | X         | -3.306             | 4              |
| 80  | MP1C         | Z         | 5.727              | 4              |
| 81  | MP1C         | Mx        | .002               | 4              |
| 82  | OVP1         | X         | -13.44             | 1              |
| 83  | OVP1         | Z         | 23.278             | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | -1.831             | 4              |
| 86  | MP2A         | Z         | 3.171              | 4              |
| 87  | MP2A         | Mx        | -.000626           | 4              |
| 88  | MP2B         | X         | -1.469             | 4              |
| 89  | MP2B         | Z         | 2.544              | 4              |
| 90  | MP2B         | Mx        | .001               | 4              |
| 91  | MP2C         | X         | -1.768             | 4              |
| 92  | MP2C         | Z         | 3.062              | 4              |
| 93  | MP2C         | Mx        | -.000884           | 4              |
| 94  | MP2A         | X         | -7.532             | 1.5            |
| 95  | MP2A         | Z         | 13.046             | 1.5            |
| 96  | MP2A         | Mx        | -.003              | 1.5            |
| 97  | MP2B         | X         | -5.707             | 1.5            |
| 98  | MP2B         | Z         | 9.884              | 1.5            |
| 99  | MP2B         | Mx        | .007               | 1.5            |
| 100 | MP2C         | X         | -7.215             | 1.5            |
| 101 | MP2C         | Z         | 12.497             | 1.5            |
| 102 | MP2C         | Mx        | -.005              | 1.5            |
| 103 | MP1A         | X         | -7.543             | 1.5            |
| 104 | MP1A         | Z         | 13.066             | 1.5            |
| 105 | MP1A         | Mx        | -.003              | 1.5            |
| 106 | MP1B         | X         | -5.791             | 1.5            |
| 107 | MP1B         | Z         | 10.03              | 1.5            |
| 108 | MP1B         | Mx        | .007               | 1.5            |
| 109 | MP1C         | X         | -7.239             | 1.5            |
| 110 | MP1C         | Z         | 12.538             | 1.5            |
| 111 | MP1C         | Mx        | -.005              | 1.5            |

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

|   | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP2A         | X         | -24.593            | 2              |
| 2 | MP2A         | Z         | 14.199             | 2              |



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 3  | MP2A         | Mx        | .028               | 2              |
| 4  | MP2A         | X         | -24.593            | 6              |
| 5  | MP2A         | Z         | 14.199             | 6              |
| 6  | MP2A         | Mx        | .028               | 6              |
| 7  | MP2B         | X         | -26.265            | 2              |
| 8  | MP2B         | Z         | 15.164             | 2              |
| 9  | MP2B         | Mx        | .004               | 2              |
| 10 | MP2B         | X         | -26.265            | 6              |
| 11 | MP2B         | Z         | 15.164             | 6              |
| 12 | MP2B         | Mx        | .004               | 6              |
| 13 | MP2C         | X         | -30.245            | 2              |
| 14 | MP2C         | Z         | 17.462             | 2              |
| 15 | MP2C         | Mx        | -.026              | 2              |
| 16 | MP2C         | X         | -30.245            | 6              |
| 17 | MP2C         | Z         | 17.462             | 6              |
| 18 | MP2C         | Mx        | -.026              | 6              |
| 19 | MP2A         | X         | -24.593            | 2              |
| 20 | MP2A         | Z         | 14.199             | 2              |
| 21 | MP2A         | Mx        | .000812            | 2              |
| 22 | MP2A         | X         | -24.593            | 6              |
| 23 | MP2A         | Z         | 14.199             | 6              |
| 24 | MP2A         | Mx        | .000812            | 6              |
| 25 | MP2B         | X         | -26.265            | 2              |
| 26 | MP2B         | Z         | 15.164             | 2              |
| 27 | MP2B         | Mx        | -.03               | 2              |
| 28 | MP2B         | X         | -26.265            | 6              |
| 29 | MP2B         | Z         | 15.164             | 6              |
| 30 | MP2B         | Mx        | -.03               | 6              |
| 31 | MP2C         | X         | -30.245            | 2              |
| 32 | MP2C         | Z         | 17.462             | 2              |
| 33 | MP2C         | Mx        | .026               | 2              |
| 34 | MP2C         | X         | -30.245            | 6              |
| 35 | MP2C         | Z         | 17.462             | 6              |
| 36 | MP2C         | Mx        | .026               | 6              |
| 37 | MP4A         | X         | -22.069            | 1              |
| 38 | MP4A         | Z         | 12.742             | 1              |
| 39 | MP4A         | Mx        | .013               | 1              |
| 40 | MP4A         | X         | -22.069            | 7              |
| 41 | MP4A         | Z         | 12.742             | 7              |
| 42 | MP4A         | Mx        | .013               | 7              |
| 43 | MP4B         | X         | -23.528            | 1              |
| 44 | MP4B         | Z         | 13.584             | 1              |
| 45 | MP4B         | Mx        | -.012              | 1              |
| 46 | MP4B         | X         | -23.528            | 7              |
| 47 | MP4B         | Z         | 13.584             | 7              |
| 48 | MP4B         | Mx        | -.012              | 7              |
| 49 | MP4C         | X         | -26.999            | 1              |
| 50 | MP4C         | Z         | 15.588             | 1              |
| 51 | MP4C         | Mx        | 0                  | 1              |
| 52 | MP4C         | X         | -26.999            | 7              |
| 53 | MP4C         | Z         | 15.588             | 7              |
| 54 | MP4C         | Mx        | 0                  | 7              |
| 55 | MP3A         | X         | -8.66              | 3              |
| 56 | MP3A         | Z         | 5                  | 3              |
| 57 | MP3A         | Mx        | .005               | 3              |
| 58 | MP3A         | X         | -8.66              | 5              |
| 59 | MP3A         | Z         | 5                  | 5              |





Company :  
 Designer :  
 Job Number :  
 Model Name :

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 60  | MP3A         | Mx        | .005               | 5              |
| 61  | MP3B         | X         | -9.978             | 3              |
| 62  | MP3B         | Z         | 5.761              | 3              |
| 63  | MP3B         | Mx        | -.005              | 3              |
| 64  | MP3B         | X         | -9.978             | 5              |
| 65  | MP3B         | Z         | 5.761              | 5              |
| 66  | MP3B         | Mx        | -.005              | 5              |
| 67  | MP3C         | X         | -13.114            | 3              |
| 68  | MP3C         | Z         | 7.571              | 3              |
| 69  | MP3C         | Mx        | 0                  | 3              |
| 70  | MP3C         | X         | -13.114            | 5              |
| 71  | MP3C         | Z         | 7.571              | 5              |
| 72  | MP3C         | Mx        | 0                  | 5              |
| 73  | MP1A         | X         | -4.066             | 4              |
| 74  | MP1A         | Z         | 2.347              | 4              |
| 75  | MP1A         | Mx        | .002               | 4              |
| 76  | MP1B         | X         | -4.922             | 4              |
| 77  | MP1B         | Z         | 2.842              | 4              |
| 78  | MP1B         | Mx        | -.002              | 4              |
| 79  | MP1C         | X         | -6.96              | 4              |
| 80  | MP1C         | Z         | 4.018              | 4              |
| 81  | MP1C         | Mx        | 0                  | 4              |
| 82  | OVP1         | X         | -21.757            | 1              |
| 83  | OVP1         | Z         | 12.562             | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | -2.786             | 4              |
| 86  | MP2A         | Z         | 1.609              | 4              |
| 87  | MP2A         | Mx        | -.001              | 4              |
| 88  | MP2B         | X         | -2.929             | 4              |
| 89  | MP2B         | Z         | 1.691              | 4              |
| 90  | MP2B         | Mx        | .001               | 4              |
| 91  | MP2C         | X         | -3.267             | 4              |
| 92  | MP2C         | Z         | 1.886              | 4              |
| 93  | MP2C         | Mx        | 0                  | 4              |
| 94  | MP2A         | X         | -11.107            | 1.5            |
| 95  | MP2A         | Z         | 6.412              | 1.5            |
| 96  | MP2A         | Mx        | -.007              | 1.5            |
| 97  | MP2B         | X         | -11.823            | 1.5            |
| 98  | MP2B         | Z         | 6.826              | 1.5            |
| 99  | MP2B         | Mx        | .006               | 1.5            |
| 100 | MP2C         | X         | -13.529            | 1.5            |
| 101 | MP2C         | Z         | 7.811              | 1.5            |
| 102 | MP2C         | Mx        | 0                  | 1.5            |
| 103 | MP1A         | X         | -11.204            | 1.5            |
| 104 | MP1A         | Z         | 6.468              | 1.5            |
| 105 | MP1A         | Mx        | -.007              | 1.5            |
| 106 | MP1B         | X         | -11.892            | 1.5            |
| 107 | MP1B         | Z         | 6.866              | 1.5            |
| 108 | MP1B         | Mx        | .006               | 1.5            |
| 109 | MP1C         | X         | -13.529            | 1.5            |
| 110 | MP1C         | Z         | 7.811              | 1.5            |
| 111 | MP1C         | Mx        | 0                  | 1.5            |

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

|   | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP2A         | X         | -24.137            | 2              |

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 2  | MP2A         | Z         | 0                  | 2              |
| 3  | MP2A         | Mx        | .019               | 2              |
| 4  | MP2A         | X         | -24.137            | 6              |
| 5  | MP2A         | Z         | 0                  | 6              |
| 6  | MP2A         | Mx        | .019               | 6              |
| 7  | MP2B         | X         | -34.589            | 2              |
| 8  | MP2B         | Z         | 0                  | 2              |
| 9  | MP2B         | Mx        | .022               | 2              |
| 10 | MP2B         | X         | -34.589            | 6              |
| 11 | MP2B         | Z         | 0                  | 6              |
| 12 | MP2B         | Mx        | .022               | 6              |
| 13 | MP2C         | X         | -32.144            | 2              |
| 14 | MP2C         | Z         | 0                  | 2              |
| 15 | MP2C         | Mx        | -.032              | 2              |
| 16 | MP2C         | X         | -32.144            | 6              |
| 17 | MP2C         | Z         | 0                  | 6              |
| 18 | MP2C         | Mx        | -.032              | 6              |
| 19 | MP2A         | X         | -24.137            | 2              |
| 20 | MP2A         | Z         | 0                  | 2              |
| 21 | MP2A         | Mx        | .013               | 2              |
| 22 | MP2A         | X         | -24.137            | 6              |
| 23 | MP2A         | Z         | 0                  | 6              |
| 24 | MP2A         | Mx        | .013               | 6              |
| 25 | MP2B         | X         | -34.589            | 2              |
| 26 | MP2B         | Z         | 0                  | 2              |
| 27 | MP2B         | Mx        | -.03               | 2              |
| 28 | MP2B         | X         | -34.589            | 6              |
| 29 | MP2B         | Z         | 0                  | 6              |
| 30 | MP2B         | Mx        | -.03               | 6              |
| 31 | MP2C         | X         | -32.144            | 2              |
| 32 | MP2C         | Z         | 0                  | 2              |
| 33 | MP2C         | Mx        | .01                | 2              |
| 34 | MP2C         | X         | -32.144            | 6              |
| 35 | MP2C         | Z         | 0                  | 6              |
| 36 | MP2C         | Mx        | .01                | 6              |
| 37 | MP4A         | X         | -21.768            | 1              |
| 38 | MP4A         | Z         | 0                  | 1              |
| 39 | MP4A         | Mx        | .014               | 1              |
| 40 | MP4A         | X         | -21.768            | 7              |
| 41 | MP4A         | Z         | 0                  | 7              |
| 42 | MP4A         | Mx        | .014               | 7              |
| 43 | MP4B         | X         | -30.883            | 1              |
| 44 | MP4B         | Z         | 0                  | 1              |
| 45 | MP4B         | Mx        | -.004              | 1              |
| 46 | MP4B         | X         | -30.883            | 7              |
| 47 | MP4B         | Z         | 0                  | 7              |
| 48 | MP4B         | Mx        | -.004              | 7              |
| 49 | MP4C         | X         | -28.751            | 1              |
| 50 | MP4C         | Z         | 0                  | 1              |
| 51 | MP4C         | Mx        | -.01               | 1              |
| 52 | MP4C         | X         | -28.751            | 7              |
| 53 | MP4C         | Z         | 0                  | 7              |
| 54 | MP4C         | Mx        | -.01               | 7              |
| 55 | MP3A         | X         | -6.643             | 3              |
| 56 | MP3A         | Z         | 0                  | 3              |
| 57 | MP3A         | Mx        | .004               | 3              |
| 58 | MP3A         | X         | -6.643             | 5              |

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|-----|--------------|-----------|--------------------|-----------------|
| 59  | MP3A         | Z         | 0                  | 5               |
| 60  | MP3A         | Mx        | .004               | 5               |
| 61  | MP3B         | X         | -14.879            | 3               |
| 62  | MP3B         | Z         | 0                  | 3               |
| 63  | MP3B         | Mx        | -.002              | 3               |
| 64  | MP3B         | X         | -14.879            | 5               |
| 65  | MP3B         | Z         | 0                  | 5               |
| 66  | MP3B         | Mx        | -.002              | 5               |
| 67  | MP3C         | X         | -12.952            | 3               |
| 68  | MP3C         | Z         | 0                  | 3               |
| 69  | MP3C         | Mx        | -.004              | 3               |
| 70  | MP3C         | X         | -12.952            | 5               |
| 71  | MP3C         | Z         | 0                  | 5               |
| 72  | MP3C         | Mx        | -.004              | 5               |
| 73  | MP1A         | X         | -2.514             | 4               |
| 74  | MP1A         | Z         | 0                  | 4               |
| 75  | MP1A         | Mx        | .001               | 4               |
| 76  | MP1B         | X         | -7.865             | 4               |
| 77  | MP1B         | Z         | 0                  | 4               |
| 78  | MP1B         | Mx        | -.000683           | 4               |
| 79  | MP1C         | X         | -6.613             | 4               |
| 80  | MP1C         | Z         | 0                  | 4               |
| 81  | MP1C         | Mx        | -.002              | 4               |
| 82  | OVP1         | X         | -26.879            | 1               |
| 83  | OVP1         | Z         | 0                  | 1               |
| 84  | OVP1         | Mx        | 0                  | 1               |
| 85  | MP2A         | X         | -2.855             | 4               |
| 86  | MP2A         | Z         | 0                  | 4               |
| 87  | MP2A         | Mx        | -.001              | 4               |
| 88  | MP2B         | X         | -3.744             | 4               |
| 89  | MP2B         | Z         | 0                  | 4               |
| 90  | MP2B         | Mx        | .000325            | 4               |
| 91  | MP2C         | X         | -3.536             | 4               |
| 92  | MP2C         | Z         | 0                  | 4               |
| 93  | MP2C         | Mx        | .000884            | 4               |
| 94  | MP2A         | X         | -10.999            | 1.5             |
| 95  | MP2A         | Z         | 0                  | 1.5             |
| 96  | MP2A         | Mx        | -.007              | 1.5             |
| 97  | MP2B         | X         | -15.478            | 1.5             |
| 98  | MP2B         | Z         | 0                  | 1.5             |
| 99  | MP2B         | Mx        | .002               | 1.5             |
| 100 | MP2C         | X         | -14.43             | 1.5             |
| 101 | MP2C         | Z         | 0                  | 1.5             |
| 102 | MP2C         | Mx        | .005               | 1.5             |
| 103 | MP1A         | X         | -11.184            | 1.5             |
| 104 | MP1A         | Z         | 0                  | 1.5             |
| 105 | MP1A         | Mx        | -.007              | 1.5             |
| 106 | MP1B         | X         | -15.484            | 1.5             |
| 107 | MP1B         | Z         | 0                  | 1.5             |
| 108 | MP1B         | Mx        | .002               | 1.5             |
| 109 | MP1C         | X         | -14.478            | 1.5             |
| 110 | MP1C         | Z         | 0                  | 1.5             |
| 111 | MP1C         | Mx        | .005               | 1.5             |

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

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

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | -21.739            | 2              |
| 2  | MP2A         | Z         | -12.551            | 2              |
| 3  | MP2A         | Mx        | .009               | 2              |
| 4  | MP2A         | X         | -21.739            | 6              |
| 5  | MP2A         | Z         | -12.551            | 6              |
| 6  | MP2A         | Mx        | .009               | 6              |
| 7  | MP2B         | X         | -29.119            | 2              |
| 8  | MP2B         | Z         | -16.812            | 2              |
| 9  | MP2B         | Mx        | .031               | 2              |
| 10 | MP2B         | X         | -29.119            | 6              |
| 11 | MP2B         | Z         | -16.812            | 6              |
| 12 | MP2B         | Mx        | .031               | 6              |
| 13 | MP2C         | X         | -23.021            | 2              |
| 14 | MP2C         | Z         | -13.291            | 2              |
| 15 | MP2C         | Mx        | -.025              | 2              |
| 16 | MP2C         | X         | -23.021            | 6              |
| 17 | MP2C         | Z         | -13.291            | 6              |
| 18 | MP2C         | Mx        | -.025              | 6              |
| 19 | MP2A         | X         | -21.739            | 2              |
| 20 | MP2A         | Z         | -12.551            | 2              |
| 21 | MP2A         | Mx        | .022               | 2              |
| 22 | MP2A         | X         | -21.739            | 6              |
| 23 | MP2A         | Z         | -12.551            | 6              |
| 24 | MP2A         | Mx        | .022               | 6              |
| 25 | MP2B         | X         | -29.119            | 2              |
| 26 | MP2B         | Z         | -16.812            | 2              |
| 27 | MP2B         | Mx        | -.016              | 2              |
| 28 | MP2B         | X         | -29.119            | 6              |
| 29 | MP2B         | Z         | -16.812            | 6              |
| 30 | MP2B         | Mx        | -.016              | 6              |
| 31 | MP2C         | X         | -23.021            | 2              |
| 32 | MP2C         | Z         | -13.291            | 2              |
| 33 | MP2C         | Mx        | -.005              | 2              |
| 34 | MP2C         | X         | -23.021            | 6              |
| 35 | MP2C         | Z         | -13.291            | 6              |
| 36 | MP2C         | Mx        | -.005              | 6              |
| 37 | MP4A         | X         | -19.581            | 1              |
| 38 | MP4A         | Z         | -11.305            | 1              |
| 39 | MP4A         | Mx        | .014               | 1              |
| 40 | MP4A         | X         | -19.581            | 7              |
| 41 | MP4A         | Z         | -11.305            | 7              |
| 42 | MP4A         | Mx        | .014               | 7              |
| 43 | MP4B         | X         | -26.016            | 1              |
| 44 | MP4B         | Z         | -15.02             | 1              |
| 45 | MP4B         | Mx        | .007               | 1              |
| 46 | MP4B         | X         | -26.016            | 7              |
| 47 | MP4B         | Z         | -15.02             | 7              |
| 48 | MP4B         | Mx        | .007               | 7              |
| 49 | MP4C         | X         | -20.699            | 1              |
| 50 | MP4C         | Z         | -11.95             | 1              |
| 51 | MP4C         | Mx        | -.014              | 1              |
| 52 | MP4C         | X         | -20.699            | 7              |
| 53 | MP4C         | Z         | -11.95             | 7              |
| 54 | MP4C         | Mx        | -.014              | 7              |
| 55 | MP3A         | X         | -6.412             | 3              |
| 56 | MP3A         | Z         | -3.702             | 3              |
| 57 | MP3A         | Mx        | .005               | 3              |



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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 58  | MP3A         | X         | -6.412             | 5              |
| 59  | MP3A         | Z         | -3.702             | 5              |
| 60  | MP3A         | Mx        | .005               | 5              |
| 61  | MP3B         | X         | -12.226            | 3              |
| 62  | MP3B         | Z         | -7.059             | 3              |
| 63  | MP3B         | Mx        | .003               | 3              |
| 64  | MP3B         | X         | -12.226            | 5              |
| 65  | MP3B         | Z         | -7.059             | 5              |
| 66  | MP3B         | Mx        | .003               | 5              |
| 67  | MP3C         | X         | -7.422             | 3              |
| 68  | MP3C         | Z         | -4.285             | 3              |
| 69  | MP3C         | Mx        | -.005              | 3              |
| 70  | MP3C         | X         | -7.422             | 5              |
| 71  | MP3C         | Z         | -4.285             | 5              |
| 72  | MP3C         | Mx        | -.005              | 5              |
| 73  | MP1A         | X         | -2.605             | 4              |
| 74  | MP1A         | Z         | -1.504             | 4              |
| 75  | MP1A         | Mx        | .001               | 4              |
| 76  | MP1B         | X         | -6.383             | 4              |
| 77  | MP1B         | Z         | -3.685             | 4              |
| 78  | MP1B         | Mx        | .001               | 4              |
| 79  | MP1C         | X         | -3.261             | 4              |
| 80  | MP1C         | Z         | -1.883             | 4              |
| 81  | MP1C         | Mx        | -.002              | 4              |
| 82  | OVP1         | X         | -26.319            | 1              |
| 83  | OVP1         | Z         | -15.195            | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | -2.544             | 4              |
| 86  | MP2A         | Z         | -1.469             | 4              |
| 87  | MP2A         | Mx        | -.001              | 4              |
| 88  | MP2B         | X         | -3.171             | 4              |
| 89  | MP2B         | Z         | -1.831             | 4              |
| 90  | MP2B         | Mx        | -.000626           | 4              |
| 91  | MP2C         | X         | -2.653             | 4              |
| 92  | MP2C         | Z         | -1.531             | 4              |
| 93  | MP2C         | Mx        | .001               | 4              |
| 94  | MP2A         | X         | -9.884             | 1.5            |
| 95  | MP2A         | Z         | -5.707             | 1.5            |
| 96  | MP2A         | Mx        | -.007              | 1.5            |
| 97  | MP2B         | X         | -13.046            | 1.5            |
| 98  | MP2B         | Z         | -7.532             | 1.5            |
| 99  | MP2B         | Mx        | -.003              | 1.5            |
| 100 | MP2C         | X         | -10.433            | 1.5            |
| 101 | MP2C         | Z         | -6.024             | 1.5            |
| 102 | MP2C         | Mx        | .007               | 1.5            |
| 103 | MP1A         | X         | -10.03             | 1.5            |
| 104 | MP1A         | Z         | -5.791             | 1.5            |
| 105 | MP1A         | Mx        | -.007              | 1.5            |
| 106 | MP1B         | X         | -13.066            | 1.5            |
| 107 | MP1B         | Z         | -7.543             | 1.5            |
| 108 | MP1B         | Mx        | -.003              | 1.5            |
| 109 | MP1C         | X         | -10.557            | 1.5            |
| 110 | MP1C         | Z         | -6.095             | 1.5            |
| 111 | MP1C         | Mx        | .007               | 1.5            |

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

|  | Member Label | Direction | Magnitude[lb.k.ft] | Location[ft.%] |
|--|--------------|-----------|--------------------|----------------|
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**Member Point Loads (BLC 26 : Antenna Wi (330 Deg)) (Continued)**

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | -15.164            | 2              |
| 2  | MP2A         | Z         | -26.265            | 2              |
| 3  | MP2A         | Mx        | -.004              | 2              |
| 4  | MP2A         | X         | -15.164            | 6              |
| 5  | MP2A         | Z         | -26.265            | 6              |
| 6  | MP2A         | Mx        | -.004              | 6              |
| 7  | MP2B         | X         | -14.199            | 2              |
| 8  | MP2B         | Z         | -24.593            | 2              |
| 9  | MP2B         | Mx        | .028               | 2              |
| 10 | MP2B         | X         | -14.199            | 6              |
| 11 | MP2B         | Z         | -24.593            | 6              |
| 12 | MP2B         | Mx        | .028               | 6              |
| 13 | MP2C         | X         | -11.901            | 2              |
| 14 | MP2C         | Z         | -20.612            | 2              |
| 15 | MP2C         | Mx        | -.016              | 2              |
| 16 | MP2C         | X         | -11.901            | 6              |
| 17 | MP2C         | Z         | -20.612            | 6              |
| 18 | MP2C         | Mx        | -.016              | 6              |
| 19 | MP2A         | X         | -15.164            | 2              |
| 20 | MP2A         | Z         | -26.265            | 2              |
| 21 | MP2A         | Mx        | .03                | 2              |
| 22 | MP2A         | X         | -15.164            | 6              |
| 23 | MP2A         | Z         | -26.265            | 6              |
| 24 | MP2A         | Mx        | .03                | 6              |
| 25 | MP2B         | X         | -14.199            | 2              |
| 26 | MP2B         | Z         | -24.593            | 2              |
| 27 | MP2B         | Mx        | .000812            | 2              |
| 28 | MP2B         | X         | -14.199            | 6              |
| 29 | MP2B         | Z         | -24.593            | 6              |
| 30 | MP2B         | Mx        | .000812            | 6              |
| 31 | MP2C         | X         | -11.901            | 2              |
| 32 | MP2C         | Z         | -20.612            | 2              |
| 33 | MP2C         | Mx        | -.016              | 2              |
| 34 | MP2C         | X         | -11.901            | 6              |
| 35 | MP2C         | Z         | -20.612            | 6              |
| 36 | MP2C         | Mx        | -.016              | 6              |
| 37 | MP4A         | X         | -13.584            | 1              |
| 38 | MP4A         | Z         | -23.528            | 1              |
| 39 | MP4A         | Mx        | .012               | 1              |
| 40 | MP4A         | X         | -13.584            | 7              |
| 41 | MP4A         | Z         | -23.528            | 7              |
| 42 | MP4A         | Mx        | .012               | 7              |
| 43 | MP4B         | X         | -12.742            | 1              |
| 44 | MP4B         | Z         | -22.069            | 1              |
| 45 | MP4B         | Mx        | .013               | 1              |
| 46 | MP4B         | X         | -12.742            | 7              |
| 47 | MP4B         | Z         | -22.069            | 7              |
| 48 | MP4B         | Mx        | .013               | 7              |
| 49 | MP4C         | X         | -10.738            | 1              |
| 50 | MP4C         | Z         | -18.599            | 1              |
| 51 | MP4C         | Mx        | -.014              | 1              |
| 52 | MP4C         | X         | -10.738            | 7              |
| 53 | MP4C         | Z         | -18.599            | 7              |
| 54 | MP4C         | Mx        | -.014              | 7              |
| 55 | MP3A         | X         | -5.761             | 3              |
| 56 | MP3A         | Z         | -9.978             | 3              |
| 57 | MP3A         | Mx        | .005               | 3              |



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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 58  | MP3A         | X         | -5.761             | 5              |
| 59  | MP3A         | Z         | -9.978             | 5              |
| 60  | MP3A         | Mx        | .005               | 5              |
| 61  | MP3B         | X         | -5                 | 3              |
| 62  | MP3B         | Z         | -8.66              | 3              |
| 63  | MP3B         | Mx        | .005               | 3              |
| 64  | MP3B         | X         | -5                 | 5              |
| 65  | MP3B         | Z         | -8.66              | 5              |
| 66  | MP3B         | Mx        | .005               | 5              |
| 67  | MP3C         | X         | -3.189             | 3              |
| 68  | MP3C         | Z         | -5.524             | 3              |
| 69  | MP3C         | Mx        | -.004              | 3              |
| 70  | MP3C         | X         | -3.189             | 5              |
| 71  | MP3C         | Z         | -5.524             | 5              |
| 72  | MP3C         | Mx        | -.004              | 5              |
| 73  | MP1A         | X         | -2.842             | 4              |
| 74  | MP1A         | Z         | -4.922             | 4              |
| 75  | MP1A         | Mx        | .002               | 4              |
| 76  | MP1B         | X         | -2.347             | 4              |
| 77  | MP1B         | Z         | -4.066             | 4              |
| 78  | MP1B         | Mx        | .002               | 4              |
| 79  | MP1C         | X         | -1.171             | 4              |
| 80  | MP1C         | Z         | -2.028             | 4              |
| 81  | MP1C         | Mx        | -.001              | 4              |
| 82  | OVP1         | X         | -16.073            | 1              |
| 83  | OVP1         | Z         | -27.839            | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | -1.691             | 4              |
| 86  | MP2A         | Z         | -2.929             | 4              |
| 87  | MP2A         | Mx        | -.001              | 4              |
| 88  | MP2B         | X         | -1.609             | 4              |
| 89  | MP2B         | Z         | -2.786             | 4              |
| 90  | MP2B         | Mx        | -.001              | 4              |
| 91  | MP2C         | X         | -1.413             | 4              |
| 92  | MP2C         | Z         | -2.448             | 4              |
| 93  | MP2C         | Mx        | .001               | 4              |
| 94  | MP2A         | X         | -6.826             | 1.5            |
| 95  | MP2A         | Z         | -11.823            | 1.5            |
| 96  | MP2A         | Mx        | -.006              | 1.5            |
| 97  | MP2B         | X         | -6.412             | 1.5            |
| 98  | MP2B         | Z         | -11.107            | 1.5            |
| 99  | MP2B         | Mx        | -.007              | 1.5            |
| 100 | MP2C         | X         | -5.428             | 1.5            |
| 101 | MP2C         | Z         | -9.401             | 1.5            |
| 102 | MP2C         | Mx        | .007               | 1.5            |
| 103 | MP1A         | X         | -6.866             | 1.5            |
| 104 | MP1A         | Z         | -11.892            | 1.5            |
| 105 | MP1A         | Mx        | -.006              | 1.5            |
| 106 | MP1B         | X         | -6.468             | 1.5            |
| 107 | MP1B         | Z         | -11.204            | 1.5            |
| 108 | MP1B         | Mx        | -.007              | 1.5            |
| 109 | MP1C         | X         | -5.523             | 1.5            |
| 110 | MP1C         | Z         | -9.566             | 1.5            |
| 111 | MP1C         | Mx        | .007               | 1.5            |

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

|  | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|--|--------------|-----------|--------------------|----------------|
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**Member Point Loads (BLC 27 : Antenna Wm (0 Deg)) (Continued)**

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | 0                  | 2              |
| 2  | MP2A         | Z         | -11.381            | 2              |
| 3  | MP2A         | Mx        | -.007              | 2              |
| 4  | MP2A         | X         | 0                  | 6              |
| 5  | MP2A         | Z         | -11.381            | 6              |
| 6  | MP2A         | Mx        | -.007              | 6              |
| 7  | MP2B         | X         | 0                  | 2              |
| 8  | MP2B         | Z         | -7.672             | 2              |
| 9  | MP2B         | Mx        | .006               | 2              |
| 10 | MP2B         | X         | 0                  | 6              |
| 11 | MP2B         | Z         | -7.672             | 6              |
| 12 | MP2B         | Mx        | .006               | 6              |
| 13 | MP2C         | X         | 0                  | 2              |
| 14 | MP2C         | Z         | -8.54              | 2              |
| 15 | MP2C         | Mx        | -.002              | 2              |
| 16 | MP2C         | X         | 0                  | 6              |
| 17 | MP2C         | Z         | -8.54              | 6              |
| 18 | MP2C         | Mx        | -.002              | 6              |
| 19 | MP2A         | X         | 0                  | 2              |
| 20 | MP2A         | Z         | -11.381            | 2              |
| 21 | MP2A         | Mx        | .01                | 2              |
| 22 | MP2A         | X         | 0                  | 6              |
| 23 | MP2A         | Z         | -11.381            | 6              |
| 24 | MP2A         | Mx        | .01                | 6              |
| 25 | MP2B         | X         | 0                  | 2              |
| 26 | MP2B         | Z         | -7.672             | 2              |
| 27 | MP2B         | Mx        | .004               | 2              |
| 28 | MP2B         | X         | 0                  | 6              |
| 29 | MP2B         | Z         | -7.672             | 6              |
| 30 | MP2B         | Mx        | .004               | 6              |
| 31 | MP2C         | X         | 0                  | 2              |
| 32 | MP2C         | Z         | -8.54              | 2              |
| 33 | MP2C         | Mx        | -.008              | 2              |
| 34 | MP2C         | X         | 0                  | 6              |
| 35 | MP2C         | Z         | -8.54              | 6              |
| 36 | MP2C         | Mx        | -.008              | 6              |
| 37 | MP4A         | X         | 0                  | 1              |
| 38 | MP4A         | Z         | -10.108            | 1              |
| 39 | MP4A         | Mx        | .001               | 1              |
| 40 | MP4A         | X         | 0                  | 7              |
| 41 | MP4A         | Z         | -10.108            | 7              |
| 42 | MP4A         | Mx        | .001               | 7              |
| 43 | MP4B         | X         | 0                  | 1              |
| 44 | MP4B         | Z         | -6.848             | 1              |
| 45 | MP4B         | Mx        | .004               | 1              |
| 46 | MP4B         | X         | 0                  | 7              |
| 47 | MP4B         | Z         | -6.848             | 7              |
| 48 | MP4B         | Mx        | .004               | 7              |
| 49 | MP4C         | X         | 0                  | 1              |
| 50 | MP4C         | Z         | -7.611             | 1              |
| 51 | MP4C         | Mx        | -.004              | 1              |
| 52 | MP4C         | X         | 0                  | 7              |
| 53 | MP4C         | Z         | -7.611             | 7              |
| 54 | MP4C         | Mx        | -.004              | 7              |
| 55 | MP3A         | X         | 0                  | 3              |
| 56 | MP3A         | Z         | -4.696             | 3              |
| 57 | MP3A         | Mx        | .000544            | 3              |





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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 58  | MP3A         | X         | 0                  | 5              |
| 59  | MP3A         | Z         | -4.696             | 5              |
| 60  | MP3A         | Mx        | .000544            | 5              |
| 61  | MP3B         | X         | 0                  | 3              |
| 62  | MP3B         | Z         | -1.931             | 3              |
| 63  | MP3B         | Mx        | .001               | 3              |
| 64  | MP3B         | X         | 0                  | 5              |
| 65  | MP3B         | Z         | -1.931             | 5              |
| 66  | MP3B         | Mx        | .001               | 5              |
| 67  | MP3C         | X         | 0                  | 3              |
| 68  | MP3C         | Z         | -2.578             | 3              |
| 69  | MP3C         | Mx        | -.001              | 3              |
| 70  | MP3C         | X         | 0                  | 5              |
| 71  | MP3C         | Z         | -2.578             | 5              |
| 72  | MP3C         | Mx        | -.001              | 5              |
| 73  | MP1A         | X         | 0                  | 4              |
| 74  | MP1A         | Z         | -2.193             | 4              |
| 75  | MP1A         | Mx        | .00019             | 4              |
| 76  | MP1B         | X         | 0                  | 4              |
| 77  | MP1B         | Z         | -.495              | 4              |
| 78  | MP1B         | Mx        | .000244            | 4              |
| 79  | MP1C         | X         | 0                  | 4              |
| 80  | MP1C         | Z         | -.892              | 4              |
| 81  | MP1C         | Mx        | -.000386           | 4              |
| 82  | OVP1         | X         | 0                  | 1              |
| 83  | OVP1         | Z         | -7.524             | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | 0                  | 4              |
| 86  | MP2A         | Z         | -.925              | 4              |
| 87  | MP2A         | Mx        | -8e-5              | 4              |
| 88  | MP2B         | X         | 0                  | 4              |
| 89  | MP2B         | Z         | -.655              | 4              |
| 90  | MP2B         | Mx        | -.000323           | 4              |
| 91  | MP2C         | X         | 0                  | 4              |
| 92  | MP2C         | Z         | -.718              | 4              |
| 93  | MP2C         | Mx        | .000311            | 4              |
| 94  | MP2A         | X         | 0                  | 1.5            |
| 95  | MP2A         | Z         | -3.875             | 1.5            |
| 96  | MP2A         | Mx        | -.000449           | 1.5            |
| 97  | MP2B         | X         | 0                  | 1.5            |
| 98  | MP2B         | Z         | -2.665             | 1.5            |
| 99  | MP2B         | Mx        | -.002              | 1.5            |
| 100 | MP2C         | X         | 0                  | 1.5            |
| 101 | MP2C         | Z         | -2.948             | 1.5            |
| 102 | MP2C         | Mx        | .002               | 1.5            |
| 103 | MP1A         | X         | 0                  | 1.5            |
| 104 | MP1A         | Z         | -4.676             | 1.5            |
| 105 | MP1A         | Mx        | -.000541           | 1.5            |
| 106 | MP1B         | X         | 0                  | 1.5            |
| 107 | MP1B         | Z         | -3.264             | 1.5            |
| 108 | MP1B         | Mx        | -.002              | 1.5            |
| 109 | MP1C         | X         | 0                  | 1.5            |
| 110 | MP1C         | Z         | -3.595             | 1.5            |
| 111 | MP1C         | Mx        | .002               | 1.5            |

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

|  | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|--|--------------|-----------|--------------------|----------------|
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**Member Point Loads (BLC 28 : Antenna Wm (30 Deg)) (Continued)**

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | 5.519              | 2              |
| 2  | MP2A         | Z         | -9.56              | 2              |
| 3  | MP2A         | Mx        | -.01               | 2              |
| 4  | MP2A         | X         | 5.519              | 6              |
| 5  | MP2A         | Z         | -9.56              | 6              |
| 6  | MP2A         | Mx        | -.01               | 6              |
| 7  | MP2B         | X         | 4.007              | 2              |
| 8  | MP2B         | Z         | -6.941             | 2              |
| 9  | MP2B         | Mx        | .003               | 2              |
| 10 | MP2B         | X         | 4.007              | 6              |
| 11 | MP2B         | Z         | -6.941             | 6              |
| 12 | MP2B         | Mx        | .003               | 6              |
| 13 | MP2C         | X         | 5.257              | 2              |
| 14 | MP2C         | Z         | -9.105             | 2              |
| 15 | MP2C         | Mx        | .003               | 2              |
| 16 | MP2C         | X         | 5.257              | 6              |
| 17 | MP2C         | Z         | -9.105             | 6              |
| 18 | MP2C         | Mx        | .003               | 6              |
| 19 | MP2A         | X         | 5.519              | 2              |
| 20 | MP2A         | Z         | -9.56              | 2              |
| 21 | MP2A         | Mx        | .005               | 2              |
| 22 | MP2A         | X         | 5.519              | 6              |
| 23 | MP2A         | Z         | -9.56              | 6              |
| 24 | MP2A         | Mx        | .005               | 6              |
| 25 | MP2B         | X         | 4.007              | 2              |
| 26 | MP2B         | Z         | -6.941             | 2              |
| 27 | MP2B         | Mx        | .007               | 2              |
| 28 | MP2B         | X         | 4.007              | 6              |
| 29 | MP2B         | Z         | -6.941             | 6              |
| 30 | MP2B         | Mx        | .007               | 6              |
| 31 | MP2C         | X         | 5.257              | 2              |
| 32 | MP2C         | Z         | -9.105             | 2              |
| 33 | MP2C         | Mx        | -.01               | 2              |
| 34 | MP2C         | X         | 5.257              | 6              |
| 35 | MP2C         | Z         | -9.105             | 6              |
| 36 | MP2C         | Mx        | -.01               | 6              |
| 37 | MP4A         | X         | 4.903              | 1              |
| 38 | MP4A         | Z         | -8.493             | 1              |
| 39 | MP4A         | Mx        | -.002              | 1              |
| 40 | MP4A         | X         | 4.903              | 7              |
| 41 | MP4A         | Z         | -8.493             | 7              |
| 42 | MP4A         | Mx        | -.002              | 7              |
| 43 | MP4B         | X         | 3.575              | 1              |
| 44 | MP4B         | Z         | -6.191             | 1              |
| 45 | MP4B         | Mx        | .004               | 1              |
| 46 | MP4B         | X         | 3.575              | 7              |
| 47 | MP4B         | Z         | -6.191             | 7              |
| 48 | MP4B         | Mx        | .004               | 7              |
| 49 | MP4C         | X         | 4.673              | 1              |
| 50 | MP4C         | Z         | -8.093             | 1              |
| 51 | MP4C         | Mx        | -.003              | 1              |
| 52 | MP4C         | X         | 4.673              | 7              |
| 53 | MP4C         | Z         | -8.093             | 7              |
| 54 | MP4C         | Mx        | -.003              | 7              |
| 55 | MP3A         | X         | 2.22               | 3              |
| 56 | MP3A         | Z         | -3.845             | 3              |
| 57 | MP3A         | Mx        | -.001              | 3              |



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 58  | MP3A         | X         | 2.22               | 5              |
| 59  | MP3A         | Z         | -3.845             | 5              |
| 60  | MP3A         | Mx        | -.001              | 5              |
| 61  | MP3B         | X         | 1.093              | 3              |
| 62  | MP3B         | Z         | -1.894             | 3              |
| 63  | MP3B         | Mx        | .001               | 3              |
| 64  | MP3B         | X         | 1.093              | 5              |
| 65  | MP3B         | Z         | -1.894             | 5              |
| 66  | MP3B         | Mx        | .001               | 5              |
| 67  | MP3C         | X         | 2.025              | 3              |
| 68  | MP3C         | Z         | -3.507             | 3              |
| 69  | MP3C         | Mx        | -.001              | 3              |
| 70  | MP3C         | X         | 2.025              | 5              |
| 71  | MP3C         | Z         | -3.507             | 5              |
| 72  | MP3C         | Mx        | -.001              | 5              |
| 73  | MP1A         | X         | 1.018              | 4              |
| 74  | MP1A         | Z         | -1.763             | 4              |
| 75  | MP1A         | Mx        | -.000348           | 4              |
| 76  | MP1B         | X         | .326               | 4              |
| 77  | MP1B         | Z         | -.565              | 4              |
| 78  | MP1B         | Mx        | .000307            | 4              |
| 79  | MP1C         | X         | .898               | 4              |
| 80  | MP1C         | Z         | -1.555             | 4              |
| 81  | MP1C         | Mx        | -.000449           | 4              |
| 82  | OVP1         | X         | 3.282              | 1              |
| 83  | OVP1         | Z         | -5.685             | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | .45                | 4              |
| 86  | MP2A         | Z         | -.78               | 4              |
| 87  | MP2A         | Mx        | .000154            | 4              |
| 88  | MP2B         | X         | .34                | 4              |
| 89  | MP2B         | Z         | -.589              | 4              |
| 90  | MP2B         | Mx        | -.00032            | 4              |
| 91  | MP2C         | X         | .431               | 4              |
| 92  | MP2C         | Z         | -.747              | 4              |
| 93  | MP2C         | Mx        | .000216            | 4              |
| 94  | MP2A         | X         | 1.881              | 1.5            |
| 95  | MP2A         | Z         | -3.259             | 1.5            |
| 96  | MP2A         | Mx        | .000858            | 1.5            |
| 97  | MP2B         | X         | 1.388              | 1.5            |
| 98  | MP2B         | Z         | -2.404             | 1.5            |
| 99  | MP2B         | Mx        | -.002              | 1.5            |
| 100 | MP2C         | X         | 1.796              | 1.5            |
| 101 | MP2C         | Z         | -3.11              | 1.5            |
| 102 | MP2C         | Mx        | .001               | 1.5            |
| 103 | MP1A         | X         | 2.273              | 1.5            |
| 104 | MP1A         | Z         | -3.937             | 1.5            |
| 105 | MP1A         | Mx        | .001               | 1.5            |
| 106 | MP1B         | X         | 1.697              | 1.5            |
| 107 | MP1B         | Z         | -2.94              | 1.5            |
| 108 | MP1B         | Mx        | -.002              | 1.5            |
| 109 | MP1C         | X         | 2.173              | 1.5            |
| 110 | MP1C         | Z         | -3.764             | 1.5            |
| 111 | MP1C         | Mx        | .001               | 1.5            |

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

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



Company :  
 Designer :  
 Job Number :  
 Model Name :

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | 7.954              | 2              |
| 2  | MP2A         | Z         | -4.592             | 2              |
| 3  | MP2A         | Mx        | -.009              | 2              |
| 4  | MP2A         | X         | 7.954              | 6              |
| 5  | MP2A         | Z         | -4.592             | 6              |
| 6  | MP2A         | Mx        | -.009              | 6              |
| 7  | MP2B         | X         | 8.547              | 2              |
| 8  | MP2B         | Z         | -4.935             | 2              |
| 9  | MP2B         | Mx        | -.001              | 2              |
| 10 | MP2B         | X         | 8.547              | 6              |
| 11 | MP2B         | Z         | -4.935             | 6              |
| 12 | MP2B         | Mx        | -.001              | 6              |
| 13 | MP2C         | X         | 9.96               | 2              |
| 14 | MP2C         | Z         | -5.75              | 2              |
| 15 | MP2C         | Mx        | .009               | 2              |
| 16 | MP2C         | X         | 9.96               | 6              |
| 17 | MP2C         | Z         | -5.75              | 6              |
| 18 | MP2C         | Mx        | .009               | 6              |
| 19 | MP2A         | X         | 7.954              | 2              |
| 20 | MP2A         | Z         | -4.592             | 2              |
| 21 | MP2A         | Mx        | -.000263           | 2              |
| 22 | MP2A         | X         | 7.954              | 6              |
| 23 | MP2A         | Z         | -4.592             | 6              |
| 24 | MP2A         | Mx        | -.000263           | 6              |
| 25 | MP2B         | X         | 8.547              | 2              |
| 26 | MP2B         | Z         | -4.935             | 2              |
| 27 | MP2B         | Mx        | .01                | 2              |
| 28 | MP2B         | X         | 8.547              | 6              |
| 29 | MP2B         | Z         | -4.935             | 6              |
| 30 | MP2B         | Mx        | .01                | 6              |
| 31 | MP2C         | X         | 9.96               | 2              |
| 32 | MP2C         | Z         | -5.75              | 2              |
| 33 | MP2C         | Mx        | -.009              | 2              |
| 34 | MP2C         | X         | 9.96               | 6              |
| 35 | MP2C         | Z         | -5.75              | 6              |
| 36 | MP2C         | Mx        | -.009              | 6              |
| 37 | MP4A         | X         | 7.081              | 1              |
| 38 | MP4A         | Z         | -4.088             | 1              |
| 39 | MP4A         | Mx        | -.004              | 1              |
| 40 | MP4A         | X         | 7.081              | 7              |
| 41 | MP4A         | Z         | -4.088             | 7              |
| 42 | MP4A         | Mx        | -.004              | 7              |
| 43 | MP4B         | X         | 7.603              | 1              |
| 44 | MP4B         | Z         | -4.39              | 1              |
| 45 | MP4B         | Mx        | .004               | 1              |
| 46 | MP4B         | X         | 7.603              | 7              |
| 47 | MP4B         | Z         | -4.39              | 7              |
| 48 | MP4B         | Mx        | .004               | 7              |
| 49 | MP4C         | X         | 8.844              | 1              |
| 50 | MP4C         | Z         | -5.106             | 1              |
| 51 | MP4C         | Mx        | 0                  | 1              |
| 52 | MP4C         | X         | 8.844              | 7              |
| 53 | MP4C         | Z         | -5.106             | 7              |
| 54 | MP4C         | Mx        | 0                  | 7              |
| 55 | MP3A         | X         | 2.648              | 3              |
| 56 | MP3A         | Z         | -1.529             | 3              |
| 57 | MP3A         | Mx        | -.002              | 3              |

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 58  | MP3A         | X         | 2.648              | 5              |
| 59  | MP3A         | Z         | -1.529             | 5              |
| 60  | MP3A         | Mx        | -.002              | 5              |
| 61  | MP3B         | X         | 3.091              | 3              |
| 62  | MP3B         | Z         | -1.784             | 3              |
| 63  | MP3B         | Mx        | .002               | 3              |
| 64  | MP3B         | X         | 3.091              | 5              |
| 65  | MP3B         | Z         | -1.784             | 5              |
| 66  | MP3B         | Mx        | .002               | 5              |
| 67  | MP3C         | X         | 4.143              | 3              |
| 68  | MP3C         | Z         | -2.392             | 3              |
| 69  | MP3C         | Mx        | 0                  | 3              |
| 70  | MP3C         | X         | 4.143              | 5              |
| 71  | MP3C         | Z         | -2.392             | 5              |
| 72  | MP3C         | Mx        | 0                  | 5              |
| 73  | MP1A         | X         | 1.028              | 4              |
| 74  | MP1A         | Z         | -.594              | 4              |
| 75  | MP1A         | Mx        | -.000455           | 4              |
| 76  | MP1B         | X         | 1.3                | 4              |
| 77  | MP1B         | Z         | -.75               | 4              |
| 78  | MP1B         | Mx        | .000482            | 4              |
| 79  | MP1C         | X         | 1.946              | 4              |
| 80  | MP1C         | Z         | -1.124             | 4              |
| 81  | MP1C         | Mx        | 0                  | 4              |
| 82  | OVP1         | X         | 5.27               | 1              |
| 83  | OVP1         | Z         | -3.042             | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | .663               | 4              |
| 86  | MP2A         | Z         | -.383              | 4              |
| 87  | MP2A         | Mx        | .000293            | 4              |
| 88  | MP2B         | X         | .706               | 4              |
| 89  | MP2B         | Z         | -.408              | 4              |
| 90  | MP2B         | Mx        | -.000262           | 4              |
| 91  | MP2C         | X         | .809               | 4              |
| 92  | MP2C         | Z         | -.467              | 4              |
| 93  | MP2C         | Mx        | 0                  | 4              |
| 94  | MP2A         | X         | 2.735              | 1.5            |
| 95  | MP2A         | Z         | -1.579             | 1.5            |
| 96  | MP2A         | Mx        | .002               | 1.5            |
| 97  | MP2B         | X         | 2.928              | 1.5            |
| 98  | MP2B         | Z         | -1.691             | 1.5            |
| 99  | MP2B         | Mx        | -.001              | 1.5            |
| 100 | MP2C         | X         | 3.389              | 1.5            |
| 101 | MP2C         | Z         | -1.957             | 1.5            |
| 102 | MP2C         | Mx        | 0                  | 1.5            |
| 103 | MP1A         | X         | 3.325              | 1.5            |
| 104 | MP1A         | Z         | -1.92              | 1.5            |
| 105 | MP1A         | Mx        | .002               | 1.5            |
| 106 | MP1B         | X         | 3.551              | 1.5            |
| 107 | MP1B         | Z         | -2.05              | 1.5            |
| 108 | MP1B         | Mx        | -.002              | 1.5            |
| 109 | MP1C         | X         | 4.089              | 1.5            |
| 110 | MP1C         | Z         | -2.361             | 1.5            |
| 111 | MP1C         | Mx        | 0                  | 1.5            |

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

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

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | 7.672              | 2              |
| 2  | MP2A         | Z         | 0                  | 2              |
| 3  | MP2A         | Mx        | -.006              | 2              |
| 4  | MP2A         | X         | 7.672              | 6              |
| 5  | MP2A         | Z         | 0                  | 6              |
| 6  | MP2A         | Mx        | -.006              | 6              |
| 7  | MP2B         | X         | 11.381             | 2              |
| 8  | MP2B         | Z         | 0                  | 2              |
| 9  | MP2B         | Mx        | -.007              | 2              |
| 10 | MP2B         | X         | 11.381             | 6              |
| 11 | MP2B         | Z         | 0                  | 6              |
| 12 | MP2B         | Mx        | -.007              | 6              |
| 13 | MP2C         | X         | 10.514             | 2              |
| 14 | MP2C         | Z         | 0                  | 2              |
| 15 | MP2C         | Mx        | .01                | 2              |
| 16 | MP2C         | X         | 10.514             | 6              |
| 17 | MP2C         | Z         | 0                  | 6              |
| 18 | MP2C         | Mx        | .01                | 6              |
| 19 | MP2A         | X         | 7.672              | 2              |
| 20 | MP2A         | Z         | 0                  | 2              |
| 21 | MP2A         | Mx        | -.004              | 2              |
| 22 | MP2A         | X         | 7.672              | 6              |
| 23 | MP2A         | Z         | 0                  | 6              |
| 24 | MP2A         | Mx        | -.004              | 6              |
| 25 | MP2B         | X         | 11.381             | 2              |
| 26 | MP2B         | Z         | 0                  | 2              |
| 27 | MP2B         | Mx        | .01                | 2              |
| 28 | MP2B         | X         | 11.381             | 6              |
| 29 | MP2B         | Z         | 0                  | 6              |
| 30 | MP2B         | Mx        | .01                | 6              |
| 31 | MP2C         | X         | 10.514             | 2              |
| 32 | MP2C         | Z         | 0                  | 2              |
| 33 | MP2C         | Mx        | -.003              | 2              |
| 34 | MP2C         | X         | 10.514             | 6              |
| 35 | MP2C         | Z         | 0                  | 6              |
| 36 | MP2C         | Mx        | -.003              | 6              |
| 37 | MP4A         | X         | 6.848              | 1              |
| 38 | MP4A         | Z         | 0                  | 1              |
| 39 | MP4A         | Mx        | -.004              | 1              |
| 40 | MP4A         | X         | 6.848              | 7              |
| 41 | MP4A         | Z         | 0                  | 7              |
| 42 | MP4A         | Mx        | -.004              | 7              |
| 43 | MP4B         | X         | 10.108             | 1              |
| 44 | MP4B         | Z         | 0                  | 1              |
| 45 | MP4B         | Mx        | .001               | 1              |
| 46 | MP4B         | X         | 10.108             | 7              |
| 47 | MP4B         | Z         | 0                  | 7              |
| 48 | MP4B         | Mx        | .001               | 7              |
| 49 | MP4C         | X         | 9.345              | 1              |
| 50 | MP4C         | Z         | 0                  | 1              |
| 51 | MP4C         | Mx        | .003               | 1              |
| 52 | MP4C         | X         | 9.345              | 7              |
| 53 | MP4C         | Z         | 0                  | 7              |
| 54 | MP4C         | Mx        | .003               | 7              |
| 55 | MP3A         | X         | 1.931              | 3              |
| 56 | MP3A         | Z         | 0                  | 3              |
| 57 | MP3A         | Mx        | -.001              | 3              |

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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 58  | MP3A         | X         | 1.931              | 5              |
| 59  | MP3A         | Z         | 0                  | 5              |
| 60  | MP3A         | Mx        | -.001              | 5              |
| 61  | MP3B         | X         | 4.696              | 3              |
| 62  | MP3B         | Z         | 0                  | 3              |
| 63  | MP3B         | Mx        | .000544            | 3              |
| 64  | MP3B         | X         | 4.696              | 5              |
| 65  | MP3B         | Z         | 0                  | 5              |
| 66  | MP3B         | Mx        | .000544            | 5              |
| 67  | MP3C         | X         | 4.049              | 3              |
| 68  | MP3C         | Z         | 0                  | 3              |
| 69  | MP3C         | Mx        | .001               | 3              |
| 70  | MP3C         | X         | 4.049              | 5              |
| 71  | MP3C         | Z         | 0                  | 5              |
| 72  | MP3C         | Mx        | .001               | 5              |
| 73  | MP1A         | X         | .495               | 4              |
| 74  | MP1A         | Z         | 0                  | 4              |
| 75  | MP1A         | Mx        | -.000244           | 4              |
| 76  | MP1B         | X         | 2.193              | 4              |
| 77  | MP1B         | Z         | 0                  | 4              |
| 78  | MP1B         | Mx        | .00019             | 4              |
| 79  | MP1C         | X         | 1.795              | 4              |
| 80  | MP1C         | Z         | 0                  | 4              |
| 81  | MP1C         | Mx        | .000449            | 4              |
| 82  | OVP1         | X         | 6.564              | 1              |
| 83  | OVP1         | Z         | 0                  | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | .655               | 4              |
| 86  | MP2A         | Z         | 0                  | 4              |
| 87  | MP2A         | Mx        | .000323            | 4              |
| 88  | MP2B         | X         | .925               | 4              |
| 89  | MP2B         | Z         | 0                  | 4              |
| 90  | MP2B         | Mx        | -8e-5              | 4              |
| 91  | MP2C         | X         | .862               | 4              |
| 92  | MP2C         | Z         | 0                  | 4              |
| 93  | MP2C         | Mx        | -.000215           | 4              |
| 94  | MP2A         | X         | 2.665              | 1.5            |
| 95  | MP2A         | Z         | 0                  | 1.5            |
| 96  | MP2A         | Mx        | .002               | 1.5            |
| 97  | MP2B         | X         | 3.875              | 1.5            |
| 98  | MP2B         | Z         | 0                  | 1.5            |
| 99  | MP2B         | Mx        | -.000449           | 1.5            |
| 100 | MP2C         | X         | 3.591              | 1.5            |
| 101 | MP2C         | Z         | 0                  | 1.5            |
| 102 | MP2C         | Mx        | -.001              | 1.5            |
| 103 | MP1A         | X         | 3.264              | 1.5            |
| 104 | MP1A         | Z         | 0                  | 1.5            |
| 105 | MP1A         | Mx        | .002               | 1.5            |
| 106 | MP1B         | X         | 4.676              | 1.5            |
| 107 | MP1B         | Z         | 0                  | 1.5            |
| 108 | MP1B         | Mx        | -.000541           | 1.5            |
| 109 | MP1C         | X         | 4.346              | 1.5            |
| 110 | MP1C         | Z         | 0                  | 1.5            |
| 111 | MP1C         | Mx        | -.001              | 1.5            |

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

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

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | 6.941              | 2              |
| 2  | MP2A         | Z         | 4.007              | 2              |
| 3  | MP2A         | Mx        | -.003              | 2              |
| 4  | MP2A         | X         | 6.941              | 6              |
| 5  | MP2A         | Z         | 4.007              | 6              |
| 6  | MP2A         | Mx        | -.003              | 6              |
| 7  | MP2B         | X         | 9.56               | 2              |
| 8  | MP2B         | Z         | 5.519              | 2              |
| 9  | MP2B         | Mx        | -.01               | 2              |
| 10 | MP2B         | X         | 9.56               | 6              |
| 11 | MP2B         | Z         | 5.519              | 6              |
| 12 | MP2B         | Mx        | -.01               | 6              |
| 13 | MP2C         | X         | 7.396              | 2              |
| 14 | MP2C         | Z         | 4.27               | 2              |
| 15 | MP2C         | Mx        | .008               | 2              |
| 16 | MP2C         | X         | 7.396              | 6              |
| 17 | MP2C         | Z         | 4.27               | 6              |
| 18 | MP2C         | Mx        | .008               | 6              |
| 19 | MP2A         | X         | 6.941              | 2              |
| 20 | MP2A         | Z         | 4.007              | 2              |
| 21 | MP2A         | Mx        | -.007              | 2              |
| 22 | MP2A         | X         | 6.941              | 6              |
| 23 | MP2A         | Z         | 4.007              | 6              |
| 24 | MP2A         | Mx        | -.007              | 6              |
| 25 | MP2B         | X         | 9.56               | 2              |
| 26 | MP2B         | Z         | 5.519              | 2              |
| 27 | MP2B         | Mx        | .005               | 2              |
| 28 | MP2B         | X         | 9.56               | 6              |
| 29 | MP2B         | Z         | 5.519              | 6              |
| 30 | MP2B         | Mx        | .005               | 6              |
| 31 | MP2C         | X         | 7.396              | 2              |
| 32 | MP2C         | Z         | 4.27               | 2              |
| 33 | MP2C         | Mx        | .002               | 2              |
| 34 | MP2C         | X         | 7.396              | 6              |
| 35 | MP2C         | Z         | 4.27               | 6              |
| 36 | MP2C         | Mx        | .002               | 6              |
| 37 | MP4A         | X         | 6.191              | 1              |
| 38 | MP4A         | Z         | 3.575              | 1              |
| 39 | MP4A         | Mx        | -.004              | 1              |
| 40 | MP4A         | X         | 6.191              | 7              |
| 41 | MP4A         | Z         | 3.575              | 7              |
| 42 | MP4A         | Mx        | -.004              | 7              |
| 43 | MP4B         | X         | 8.493              | 1              |
| 44 | MP4B         | Z         | 4.903              | 1              |
| 45 | MP4B         | Mx        | -.002              | 1              |
| 46 | MP4B         | X         | 8.493              | 7              |
| 47 | MP4B         | Z         | 4.903              | 7              |
| 48 | MP4B         | Mx        | -.002              | 7              |
| 49 | MP4C         | X         | 6.591              | 1              |
| 50 | MP4C         | Z         | 3.805              | 1              |
| 51 | MP4C         | Mx        | .004               | 1              |
| 52 | MP4C         | X         | 6.591              | 7              |
| 53 | MP4C         | Z         | 3.805              | 7              |
| 54 | MP4C         | Mx        | .004               | 7              |
| 55 | MP3A         | X         | 1.894              | 3              |
| 56 | MP3A         | Z         | 1.093              | 3              |
| 57 | MP3A         | Mx        | -.001              | 3              |





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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 58  | MP3A         | X         | 1.894              | 5              |
| 59  | MP3A         | Z         | 1.093              | 5              |
| 60  | MP3A         | Mx        | -.001              | 5              |
| 61  | MP3B         | X         | 3.845              | 3              |
| 62  | MP3B         | Z         | 2.22               | 3              |
| 63  | MP3B         | Mx        | -.001              | 3              |
| 64  | MP3B         | X         | 3.845              | 5              |
| 65  | MP3B         | Z         | 2.22               | 5              |
| 66  | MP3B         | Mx        | -.001              | 5              |
| 67  | MP3C         | X         | 2.233              | 3              |
| 68  | MP3C         | Z         | 1.289              | 3              |
| 69  | MP3C         | Mx        | .001               | 3              |
| 70  | MP3C         | X         | 2.233              | 5              |
| 71  | MP3C         | Z         | 1.289              | 5              |
| 72  | MP3C         | Mx        | .001               | 5              |
| 73  | MP1A         | X         | .565               | 4              |
| 74  | MP1A         | Z         | .326               | 4              |
| 75  | MP1A         | Mx        | -.000307           | 4              |
| 76  | MP1B         | X         | 1.763              | 4              |
| 77  | MP1B         | Z         | 1.018              | 4              |
| 78  | MP1B         | Mx        | -.000348           | 4              |
| 79  | MP1C         | X         | .773               | 4              |
| 80  | MP1C         | Z         | .446               | 4              |
| 81  | MP1C         | Mx        | .000386            | 4              |
| 82  | OVP1         | X         | 6.516              | 1              |
| 83  | OVP1         | Z         | 3.762              | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | .589               | 4              |
| 86  | MP2A         | Z         | .34                | 4              |
| 87  | MP2A         | Mx        | .00032             | 4              |
| 88  | MP2B         | X         | .78                | 4              |
| 89  | MP2B         | Z         | .45                | 4              |
| 90  | MP2B         | Mx        | .000154            | 4              |
| 91  | MP2C         | X         | .622               | 4              |
| 92  | MP2C         | Z         | .359               | 4              |
| 93  | MP2C         | Mx        | -.000311           | 4              |
| 94  | MP2A         | X         | 2.404              | 1.5            |
| 95  | MP2A         | Z         | 1.388              | 1.5            |
| 96  | MP2A         | Mx        | .002               | 1.5            |
| 97  | MP2B         | X         | 3.259              | 1.5            |
| 98  | MP2B         | Z         | 1.881              | 1.5            |
| 99  | MP2B         | Mx        | .000858            | 1.5            |
| 100 | MP2C         | X         | 2.553              | 1.5            |
| 101 | MP2C         | Z         | 1.474              | 1.5            |
| 102 | MP2C         | Mx        | -.002              | 1.5            |
| 103 | MP1A         | X         | 2.94               | 1.5            |
| 104 | MP1A         | Z         | 1.697              | 1.5            |
| 105 | MP1A         | Mx        | .002               | 1.5            |
| 106 | MP1B         | X         | 3.937              | 1.5            |
| 107 | MP1B         | Z         | 2.273              | 1.5            |
| 108 | MP1B         | Mx        | .001               | 1.5            |
| 109 | MP1C         | X         | 3.113              | 1.5            |
| 110 | MP1C         | Z         | 1.797              | 1.5            |
| 111 | MP1C         | Mx        | -.002              | 1.5            |

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

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

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | 4.935              | 2              |
| 2  | MP2A         | Z         | 8.547              | 2              |
| 3  | MP2A         | Mx        | .001               | 2              |
| 4  | MP2A         | X         | 4.935              | 6              |
| 5  | MP2A         | Z         | 8.547              | 6              |
| 6  | MP2A         | Mx        | .001               | 6              |
| 7  | MP2B         | X         | 4.592              | 2              |
| 8  | MP2B         | Z         | 7.954              | 2              |
| 9  | MP2B         | Mx        | -.009              | 2              |
| 10 | MP2B         | X         | 4.592              | 6              |
| 11 | MP2B         | Z         | 7.954              | 6              |
| 12 | MP2B         | Mx        | -.009              | 6              |
| 13 | MP2C         | X         | 3.777              | 2              |
| 14 | MP2C         | Z         | 6.541              | 2              |
| 15 | MP2C         | Mx        | .005               | 2              |
| 16 | MP2C         | X         | 3.777              | 6              |
| 17 | MP2C         | Z         | 6.541              | 6              |
| 18 | MP2C         | Mx        | .005               | 6              |
| 19 | MP2A         | X         | 4.935              | 2              |
| 20 | MP2A         | Z         | 8.547              | 2              |
| 21 | MP2A         | Mx        | -.01               | 2              |
| 22 | MP2A         | X         | 4.935              | 6              |
| 23 | MP2A         | Z         | 8.547              | 6              |
| 24 | MP2A         | Mx        | -.01               | 6              |
| 25 | MP2B         | X         | 4.592              | 2              |
| 26 | MP2B         | Z         | 7.954              | 2              |
| 27 | MP2B         | Mx        | -.000263           | 2              |
| 28 | MP2B         | X         | 4.592              | 6              |
| 29 | MP2B         | Z         | 7.954              | 6              |
| 30 | MP2B         | Mx        | -.000263           | 6              |
| 31 | MP2C         | X         | 3.777              | 2              |
| 32 | MP2C         | Z         | 6.541              | 2              |
| 33 | MP2C         | Mx        | .005               | 2              |
| 34 | MP2C         | X         | 3.777              | 6              |
| 35 | MP2C         | Z         | 6.541              | 6              |
| 36 | MP2C         | Mx        | .005               | 6              |
| 37 | MP4A         | X         | 4.39               | 1              |
| 38 | MP4A         | Z         | 7.603              | 1              |
| 39 | MP4A         | Mx        | -.004              | 1              |
| 40 | MP4A         | X         | 4.39               | 7              |
| 41 | MP4A         | Z         | 7.603              | 7              |
| 42 | MP4A         | Mx        | -.004              | 7              |
| 43 | MP4B         | X         | 4.088              | 1              |
| 44 | MP4B         | Z         | 7.081              | 1              |
| 45 | MP4B         | Mx        | -.004              | 1              |
| 46 | MP4B         | X         | 4.088              | 7              |
| 47 | MP4B         | Z         | 7.081              | 7              |
| 48 | MP4B         | Mx        | -.004              | 7              |
| 49 | MP4C         | X         | 3.372              | 1              |
| 50 | MP4C         | Z         | 5.84               | 1              |
| 51 | MP4C         | Mx        | .004               | 1              |
| 52 | MP4C         | X         | 3.372              | 7              |
| 53 | MP4C         | Z         | 5.84               | 7              |
| 54 | MP4C         | Mx        | .004               | 7              |
| 55 | MP3A         | X         | 1.784              | 3              |
| 56 | MP3A         | Z         | 3.091              | 3              |
| 57 | MP3A         | Mx        | -.002              | 3              |



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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 58  | MP3A         | X         | 1.784              | 5              |
| 59  | MP3A         | Z         | 3.091              | 5              |
| 60  | MP3A         | Mx        | -.002              | 5              |
| 61  | MP3B         | X         | 1.529              | 3              |
| 62  | MP3B         | Z         | 2.648              | 3              |
| 63  | MP3B         | Mx        | -.002              | 3              |
| 64  | MP3B         | X         | 1.529              | 5              |
| 65  | MP3B         | Z         | 2.648              | 5              |
| 66  | MP3B         | Mx        | -.002              | 5              |
| 67  | MP3C         | X         | .921               | 3              |
| 68  | MP3C         | Z         | 1.596              | 3              |
| 69  | MP3C         | Mx        | .001               | 3              |
| 70  | MP3C         | X         | .921               | 5              |
| 71  | MP3C         | Z         | 1.596              | 5              |
| 72  | MP3C         | Mx        | .001               | 5              |
| 73  | MP1A         | X         | .75                | 4              |
| 74  | MP1A         | Z         | 1.3                | 4              |
| 75  | MP1A         | Mx        | -.000482           | 4              |
| 76  | MP1B         | X         | .594               | 4              |
| 77  | MP1B         | Z         | 1.028              | 4              |
| 78  | MP1B         | Mx        | -.000455           | 4              |
| 79  | MP1C         | X         | .22                | 4              |
| 80  | MP1C         | Z         | .382               | 4              |
| 81  | MP1C         | Mx        | .00022             | 4              |
| 82  | OVP1         | X         | 4.002              | 1              |
| 83  | OVP1         | Z         | 6.931              | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | .408               | 4              |
| 86  | MP2A         | Z         | .706               | 4              |
| 87  | MP2A         | Mx        | .000262            | 4              |
| 88  | MP2B         | X         | .383               | 4              |
| 89  | MP2B         | Z         | .663               | 4              |
| 90  | MP2B         | Mx        | .000293            | 4              |
| 91  | MP2C         | X         | .323               | 4              |
| 92  | MP2C         | Z         | .56                | 4              |
| 93  | MP2C         | Mx        | -.000323           | 4              |
| 94  | MP2A         | X         | 1.691              | 1.5            |
| 95  | MP2A         | Z         | 2.928              | 1.5            |
| 96  | MP2A         | Mx        | .001               | 1.5            |
| 97  | MP2B         | X         | 1.579              | 1.5            |
| 98  | MP2B         | Z         | 2.735              | 1.5            |
| 99  | MP2B         | Mx        | .002               | 1.5            |
| 100 | MP2C         | X         | 1.313              | 1.5            |
| 101 | MP2C         | Z         | 2.274              | 1.5            |
| 102 | MP2C         | Mx        | -.002              | 1.5            |
| 103 | MP1A         | X         | 2.05               | 1.5            |
| 104 | MP1A         | Z         | 3.551              | 1.5            |
| 105 | MP1A         | Mx        | .002               | 1.5            |
| 106 | MP1B         | X         | 1.92               | 1.5            |
| 107 | MP1B         | Z         | 3.325              | 1.5            |
| 108 | MP1B         | Mx        | .002               | 1.5            |
| 109 | MP1C         | X         | 1.61               | 1.5            |
| 110 | MP1C         | Z         | 2.788              | 1.5            |
| 111 | MP1C         | Mx        | -.002              | 1.5            |

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

|  | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|--|--------------|-----------|--------------------|----------------|
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**Member Point Loads (BLC 33 : Antenna Wm (180 Deg)) (Continued)**

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | 0                  | 2              |
| 2  | MP2A         | Z         | 11.381             | 2              |
| 3  | MP2A         | Mx        | .007               | 2              |
| 4  | MP2A         | X         | 0                  | 6              |
| 5  | MP2A         | Z         | 11.381             | 6              |
| 6  | MP2A         | Mx        | .007               | 6              |
| 7  | MP2B         | X         | 0                  | 2              |
| 8  | MP2B         | Z         | 7.672              | 2              |
| 9  | MP2B         | Mx        | -.006              | 2              |
| 10 | MP2B         | X         | 0                  | 6              |
| 11 | MP2B         | Z         | 7.672              | 6              |
| 12 | MP2B         | Mx        | -.006              | 6              |
| 13 | MP2C         | X         | 0                  | 2              |
| 14 | MP2C         | Z         | 8.54               | 2              |
| 15 | MP2C         | Mx        | .002               | 2              |
| 16 | MP2C         | X         | 0                  | 6              |
| 17 | MP2C         | Z         | 8.54               | 6              |
| 18 | MP2C         | Mx        | .002               | 6              |
| 19 | MP2A         | X         | 0                  | 2              |
| 20 | MP2A         | Z         | 11.381             | 2              |
| 21 | MP2A         | Mx        | -.01               | 2              |
| 22 | MP2A         | X         | 0                  | 6              |
| 23 | MP2A         | Z         | 11.381             | 6              |
| 24 | MP2A         | Mx        | -.01               | 6              |
| 25 | MP2B         | X         | 0                  | 2              |
| 26 | MP2B         | Z         | 7.672              | 2              |
| 27 | MP2B         | Mx        | -.004              | 2              |
| 28 | MP2B         | X         | 0                  | 6              |
| 29 | MP2B         | Z         | 7.672              | 6              |
| 30 | MP2B         | Mx        | -.004              | 6              |
| 31 | MP2C         | X         | 0                  | 2              |
| 32 | MP2C         | Z         | 8.54               | 2              |
| 33 | MP2C         | Mx        | .008               | 2              |
| 34 | MP2C         | X         | 0                  | 6              |
| 35 | MP2C         | Z         | 8.54               | 6              |
| 36 | MP2C         | Mx        | .008               | 6              |
| 37 | MP4A         | X         | 0                  | 1              |
| 38 | MP4A         | Z         | 10.108             | 1              |
| 39 | MP4A         | Mx        | -.001              | 1              |
| 40 | MP4A         | X         | 0                  | 7              |
| 41 | MP4A         | Z         | 10.108             | 7              |
| 42 | MP4A         | Mx        | -.001              | 7              |
| 43 | MP4B         | X         | 0                  | 1              |
| 44 | MP4B         | Z         | 6.848              | 1              |
| 45 | MP4B         | Mx        | -.004              | 1              |
| 46 | MP4B         | X         | 0                  | 7              |
| 47 | MP4B         | Z         | 6.848              | 7              |
| 48 | MP4B         | Mx        | -.004              | 7              |
| 49 | MP4C         | X         | 0                  | 1              |
| 50 | MP4C         | Z         | 7.611              | 1              |
| 51 | MP4C         | Mx        | .004               | 1              |
| 52 | MP4C         | X         | 0                  | 7              |
| 53 | MP4C         | Z         | 7.611              | 7              |
| 54 | MP4C         | Mx        | .004               | 7              |
| 55 | MP3A         | X         | 0                  | 3              |
| 56 | MP3A         | Z         | 4.696              | 3              |
| 57 | MP3A         | Mx        | -.000544           | 3              |

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

| Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |     |
|--------------|-----------|--------------------|----------------|-----|
| 58           | MP3A      | X                  | 0              | 5   |
| 59           | MP3A      | Z                  | 4.696          | 5   |
| 60           | MP3A      | Mx                 | -.000544       | 5   |
| 61           | MP3B      | X                  | 0              | 3   |
| 62           | MP3B      | Z                  | 1.931          | 3   |
| 63           | MP3B      | Mx                 | -.001          | 3   |
| 64           | MP3B      | X                  | 0              | 5   |
| 65           | MP3B      | Z                  | 1.931          | 5   |
| 66           | MP3B      | Mx                 | -.001          | 5   |
| 67           | MP3C      | X                  | 0              | 3   |
| 68           | MP3C      | Z                  | 2.578          | 3   |
| 69           | MP3C      | Mx                 | .001           | 3   |
| 70           | MP3C      | X                  | 0              | 5   |
| 71           | MP3C      | Z                  | 2.578          | 5   |
| 72           | MP3C      | Mx                 | .001           | 5   |
| 73           | MP1A      | X                  | 0              | 4   |
| 74           | MP1A      | Z                  | 2.193          | 4   |
| 75           | MP1A      | Mx                 | -.00019        | 4   |
| 76           | MP1B      | X                  | 0              | 4   |
| 77           | MP1B      | Z                  | .495           | 4   |
| 78           | MP1B      | Mx                 | -.000244       | 4   |
| 79           | MP1C      | X                  | 0              | 4   |
| 80           | MP1C      | Z                  | .892           | 4   |
| 81           | MP1C      | Mx                 | .000386        | 4   |
| 82           | OVP1      | X                  | 0              | 1   |
| 83           | OVP1      | Z                  | 7.524          | 1   |
| 84           | OVP1      | Mx                 | 0              | 1   |
| 85           | MP2A      | X                  | 0              | 4   |
| 86           | MP2A      | Z                  | .925           | 4   |
| 87           | MP2A      | Mx                 | 8e-5           | 4   |
| 88           | MP2B      | X                  | 0              | 4   |
| 89           | MP2B      | Z                  | .655           | 4   |
| 90           | MP2B      | Mx                 | .000323        | 4   |
| 91           | MP2C      | X                  | 0              | 4   |
| 92           | MP2C      | Z                  | .718           | 4   |
| 93           | MP2C      | Mx                 | -.000311       | 4   |
| 94           | MP2A      | X                  | 0              | 1.5 |
| 95           | MP2A      | Z                  | 3.875          | 1.5 |
| 96           | MP2A      | Mx                 | .000449        | 1.5 |
| 97           | MP2B      | X                  | 0              | 1.5 |
| 98           | MP2B      | Z                  | 2.665          | 1.5 |
| 99           | MP2B      | Mx                 | .002           | 1.5 |
| 100          | MP2C      | X                  | 0              | 1.5 |
| 101          | MP2C      | Z                  | 2.948          | 1.5 |
| 102          | MP2C      | Mx                 | -.002          | 1.5 |
| 103          | MP1A      | X                  | 0              | 1.5 |
| 104          | MP1A      | Z                  | 4.676          | 1.5 |
| 105          | MP1A      | Mx                 | .000541        | 1.5 |
| 106          | MP1B      | X                  | 0              | 1.5 |
| 107          | MP1B      | Z                  | 3.264          | 1.5 |
| 108          | MP1B      | Mx                 | .002           | 1.5 |
| 109          | MP1C      | X                  | 0              | 1.5 |
| 110          | MP1C      | Z                  | 3.595          | 1.5 |
| 111          | MP1C      | Mx                 | -.002          | 1.5 |

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

| Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|--------------|-----------|--------------------|----------------|
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**Member Point Loads (BLC 34 : Antenna Wm (210 Deg)) (Continued)**

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | -5.519             | 2              |
| 2  | MP2A         | Z         | 9.56               | 2              |
| 3  | MP2A         | Mx        | .01                | 2              |
| 4  | MP2A         | X         | -5.519             | 6              |
| 5  | MP2A         | Z         | 9.56               | 6              |
| 6  | MP2A         | Mx        | .01                | 6              |
| 7  | MP2B         | X         | -4.007             | 2              |
| 8  | MP2B         | Z         | 6.941              | 2              |
| 9  | MP2B         | Mx        | -.003              | 2              |
| 10 | MP2B         | X         | -4.007             | 6              |
| 11 | MP2B         | Z         | 6.941              | 6              |
| 12 | MP2B         | Mx        | -.003              | 6              |
| 13 | MP2C         | X         | -5.257             | 2              |
| 14 | MP2C         | Z         | 9.105              | 2              |
| 15 | MP2C         | Mx        | -.003              | 2              |
| 16 | MP2C         | X         | -5.257             | 6              |
| 17 | MP2C         | Z         | 9.105              | 6              |
| 18 | MP2C         | Mx        | -.003              | 6              |
| 19 | MP2A         | X         | -5.519             | 2              |
| 20 | MP2A         | Z         | 9.56               | 2              |
| 21 | MP2A         | Mx        | -.005              | 2              |
| 22 | MP2A         | X         | -5.519             | 6              |
| 23 | MP2A         | Z         | 9.56               | 6              |
| 24 | MP2A         | Mx        | -.005              | 6              |
| 25 | MP2B         | X         | -4.007             | 2              |
| 26 | MP2B         | Z         | 6.941              | 2              |
| 27 | MP2B         | Mx        | -.007              | 2              |
| 28 | MP2B         | X         | -4.007             | 6              |
| 29 | MP2B         | Z         | 6.941              | 6              |
| 30 | MP2B         | Mx        | -.007              | 6              |
| 31 | MP2C         | X         | -5.257             | 2              |
| 32 | MP2C         | Z         | 9.105              | 2              |
| 33 | MP2C         | Mx        | .01                | 2              |
| 34 | MP2C         | X         | -5.257             | 6              |
| 35 | MP2C         | Z         | 9.105              | 6              |
| 36 | MP2C         | Mx        | .01                | 6              |
| 37 | MP4A         | X         | -4.903             | 1              |
| 38 | MP4A         | Z         | 8.493              | 1              |
| 39 | MP4A         | Mx        | .002               | 1              |
| 40 | MP4A         | X         | -4.903             | 7              |
| 41 | MP4A         | Z         | 8.493              | 7              |
| 42 | MP4A         | Mx        | .002               | 7              |
| 43 | MP4B         | X         | -3.575             | 1              |
| 44 | MP4B         | Z         | 6.191              | 1              |
| 45 | MP4B         | Mx        | -.004              | 1              |
| 46 | MP4B         | X         | -3.575             | 7              |
| 47 | MP4B         | Z         | 6.191              | 7              |
| 48 | MP4B         | Mx        | -.004              | 7              |
| 49 | MP4C         | X         | -4.673             | 1              |
| 50 | MP4C         | Z         | 8.093              | 1              |
| 51 | MP4C         | Mx        | .003               | 1              |
| 52 | MP4C         | X         | -4.673             | 7              |
| 53 | MP4C         | Z         | 8.093              | 7              |
| 54 | MP4C         | Mx        | .003               | 7              |
| 55 | MP3A         | X         | -2.22              | 3              |
| 56 | MP3A         | Z         | 3.845              | 3              |
| 57 | MP3A         | Mx        | .001               | 3              |



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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 58  | MP3A         | X         | -2.22              | 5              |
| 59  | MP3A         | Z         | 3.845              | 5              |
| 60  | MP3A         | Mx        | .001               | 5              |
| 61  | MP3B         | X         | -1.093             | 3              |
| 62  | MP3B         | Z         | 1.894              | 3              |
| 63  | MP3B         | Mx        | -.001              | 3              |
| 64  | MP3B         | X         | -1.093             | 5              |
| 65  | MP3B         | Z         | 1.894              | 5              |
| 66  | MP3B         | Mx        | -.001              | 5              |
| 67  | MP3C         | X         | -2.025             | 3              |
| 68  | MP3C         | Z         | 3.507              | 3              |
| 69  | MP3C         | Mx        | .001               | 3              |
| 70  | MP3C         | X         | -2.025             | 5              |
| 71  | MP3C         | Z         | 3.507              | 5              |
| 72  | MP3C         | Mx        | .001               | 5              |
| 73  | MP1A         | X         | -1.018             | 4              |
| 74  | MP1A         | Z         | 1.763              | 4              |
| 75  | MP1A         | Mx        | .000348            | 4              |
| 76  | MP1B         | X         | -.326              | 4              |
| 77  | MP1B         | Z         | .565               | 4              |
| 78  | MP1B         | Mx        | -.000307           | 4              |
| 79  | MP1C         | X         | -.898              | 4              |
| 80  | MP1C         | Z         | 1.555              | 4              |
| 81  | MP1C         | Mx        | .000449            | 4              |
| 82  | OVP1         | X         | -3.282             | 1              |
| 83  | OVP1         | Z         | 5.685              | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | -.45               | 4              |
| 86  | MP2A         | Z         | .78                | 4              |
| 87  | MP2A         | Mx        | -.000154           | 4              |
| 88  | MP2B         | X         | -.34               | 4              |
| 89  | MP2B         | Z         | .589               | 4              |
| 90  | MP2B         | Mx        | .00032             | 4              |
| 91  | MP2C         | X         | -.431              | 4              |
| 92  | MP2C         | Z         | .747               | 4              |
| 93  | MP2C         | Mx        | -.000216           | 4              |
| 94  | MP2A         | X         | -1.881             | 1.5            |
| 95  | MP2A         | Z         | 3.259              | 1.5            |
| 96  | MP2A         | Mx        | -.000858           | 1.5            |
| 97  | MP2B         | X         | -1.388             | 1.5            |
| 98  | MP2B         | Z         | 2.404              | 1.5            |
| 99  | MP2B         | Mx        | .002               | 1.5            |
| 100 | MP2C         | X         | -1.796             | 1.5            |
| 101 | MP2C         | Z         | 3.11               | 1.5            |
| 102 | MP2C         | Mx        | -.001              | 1.5            |
| 103 | MP1A         | X         | -2.273             | 1.5            |
| 104 | MP1A         | Z         | 3.937              | 1.5            |
| 105 | MP1A         | Mx        | -.001              | 1.5            |
| 106 | MP1B         | X         | -1.697             | 1.5            |
| 107 | MP1B         | Z         | 2.94               | 1.5            |
| 108 | MP1B         | Mx        | .002               | 1.5            |
| 109 | MP1C         | X         | -2.173             | 1.5            |
| 110 | MP1C         | Z         | 3.764              | 1.5            |
| 111 | MP1C         | Mx        | -.001              | 1.5            |

**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         | -7.954             | 2              |
| 2  | MP2A         | Z         | 4.592              | 2              |
| 3  | MP2A         | Mx        | .009               | 2              |
| 4  | MP2A         | X         | -7.954             | 6              |
| 5  | MP2A         | Z         | 4.592              | 6              |
| 6  | MP2A         | Mx        | .009               | 6              |
| 7  | MP2B         | X         | -8.547             | 2              |
| 8  | MP2B         | Z         | 4.935              | 2              |
| 9  | MP2B         | Mx        | .001               | 2              |
| 10 | MP2B         | X         | -8.547             | 6              |
| 11 | MP2B         | Z         | 4.935              | 6              |
| 12 | MP2B         | Mx        | .001               | 6              |
| 13 | MP2C         | X         | -9.96              | 2              |
| 14 | MP2C         | Z         | 5.75               | 2              |
| 15 | MP2C         | Mx        | -.009              | 2              |
| 16 | MP2C         | X         | -9.96              | 6              |
| 17 | MP2C         | Z         | 5.75               | 6              |
| 18 | MP2C         | Mx        | -.009              | 6              |
| 19 | MP2A         | X         | -7.954             | 2              |
| 20 | MP2A         | Z         | 4.592              | 2              |
| 21 | MP2A         | Mx        | .000263            | 2              |
| 22 | MP2A         | X         | -7.954             | 6              |
| 23 | MP2A         | Z         | 4.592              | 6              |
| 24 | MP2A         | Mx        | .000263            | 6              |
| 25 | MP2B         | X         | -8.547             | 2              |
| 26 | MP2B         | Z         | 4.935              | 2              |
| 27 | MP2B         | Mx        | -.01               | 2              |
| 28 | MP2B         | X         | -8.547             | 6              |
| 29 | MP2B         | Z         | 4.935              | 6              |
| 30 | MP2B         | Mx        | -.01               | 6              |
| 31 | MP2C         | X         | -9.96              | 2              |
| 32 | MP2C         | Z         | 5.75               | 2              |
| 33 | MP2C         | Mx        | .009               | 2              |
| 34 | MP2C         | X         | -9.96              | 6              |
| 35 | MP2C         | Z         | 5.75               | 6              |
| 36 | MP2C         | Mx        | .009               | 6              |
| 37 | MP4A         | X         | -7.081             | 1              |
| 38 | MP4A         | Z         | 4.088              | 1              |
| 39 | MP4A         | Mx        | .004               | 1              |
| 40 | MP4A         | X         | -7.081             | 7              |
| 41 | MP4A         | Z         | 4.088              | 7              |
| 42 | MP4A         | Mx        | .004               | 7              |
| 43 | MP4B         | X         | -7.603             | 1              |
| 44 | MP4B         | Z         | 4.39               | 1              |
| 45 | MP4B         | Mx        | -.004              | 1              |
| 46 | MP4B         | X         | -7.603             | 7              |
| 47 | MP4B         | Z         | 4.39               | 7              |
| 48 | MP4B         | Mx        | -.004              | 7              |
| 49 | MP4C         | X         | -8.844             | 1              |
| 50 | MP4C         | Z         | 5.106              | 1              |
| 51 | MP4C         | Mx        | 0                  | 1              |
| 52 | MP4C         | X         | -8.844             | 7              |
| 53 | MP4C         | Z         | 5.106              | 7              |
| 54 | MP4C         | Mx        | 0                  | 7              |
| 55 | MP3A         | X         | -2.648             | 3              |
| 56 | MP3A         | Z         | 1.529              | 3              |
| 57 | MP3A         | Mx        | .002               | 3              |





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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 58  | MP3A         | X         | -2.648             | 5              |
| 59  | MP3A         | Z         | 1.529              | 5              |
| 60  | MP3A         | Mx        | .002               | 5              |
| 61  | MP3B         | X         | -3.091             | 3              |
| 62  | MP3B         | Z         | 1.784              | 3              |
| 63  | MP3B         | Mx        | -.002              | 3              |
| 64  | MP3B         | X         | -3.091             | 5              |
| 65  | MP3B         | Z         | 1.784              | 5              |
| 66  | MP3B         | Mx        | -.002              | 5              |
| 67  | MP3C         | X         | -4.143             | 3              |
| 68  | MP3C         | Z         | 2.392              | 3              |
| 69  | MP3C         | Mx        | 0                  | 3              |
| 70  | MP3C         | X         | -4.143             | 5              |
| 71  | MP3C         | Z         | 2.392              | 5              |
| 72  | MP3C         | Mx        | 0                  | 5              |
| 73  | MP1A         | X         | -1.028             | 4              |
| 74  | MP1A         | Z         | .594               | 4              |
| 75  | MP1A         | Mx        | .000455            | 4              |
| 76  | MP1B         | X         | -1.3               | 4              |
| 77  | MP1B         | Z         | .75                | 4              |
| 78  | MP1B         | Mx        | -.000482           | 4              |
| 79  | MP1C         | X         | -1.946             | 4              |
| 80  | MP1C         | Z         | 1.124              | 4              |
| 81  | MP1C         | Mx        | 0                  | 4              |
| 82  | OVP1         | X         | -5.27              | 1              |
| 83  | OVP1         | Z         | 3.042              | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | -.663              | 4              |
| 86  | MP2A         | Z         | .383               | 4              |
| 87  | MP2A         | Mx        | -.000293           | 4              |
| 88  | MP2B         | X         | -.706              | 4              |
| 89  | MP2B         | Z         | .408               | 4              |
| 90  | MP2B         | Mx        | .000262            | 4              |
| 91  | MP2C         | X         | -.809              | 4              |
| 92  | MP2C         | Z         | .467               | 4              |
| 93  | MP2C         | Mx        | 0                  | 4              |
| 94  | MP2A         | X         | -2.735             | 1.5            |
| 95  | MP2A         | Z         | 1.579              | 1.5            |
| 96  | MP2A         | Mx        | -.002              | 1.5            |
| 97  | MP2B         | X         | -2.928             | 1.5            |
| 98  | MP2B         | Z         | 1.691              | 1.5            |
| 99  | MP2B         | Mx        | .001               | 1.5            |
| 100 | MP2C         | X         | -3.389             | 1.5            |
| 101 | MP2C         | Z         | 1.957              | 1.5            |
| 102 | MP2C         | Mx        | 0                  | 1.5            |
| 103 | MP1A         | X         | -3.325             | 1.5            |
| 104 | MP1A         | Z         | 1.92               | 1.5            |
| 105 | MP1A         | Mx        | -.002              | 1.5            |
| 106 | MP1B         | X         | -3.551             | 1.5            |
| 107 | MP1B         | Z         | 2.05               | 1.5            |
| 108 | MP1B         | Mx        | .002               | 1.5            |
| 109 | MP1C         | X         | -4.089             | 1.5            |
| 110 | MP1C         | Z         | 2.361              | 1.5            |
| 111 | MP1C         | Mx        | 0                  | 1.5            |

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

|  | Member Label | Direction | Magnitude[lb.k.ft] | Location[ft.%] |
|--|--------------|-----------|--------------------|----------------|
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**Member Point Loads (BLC 36 : Antenna Wm (270 Deg)) (Continued)**

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | -7.672             | 2              |
| 2  | MP2A         | Z         | 0                  | 2              |
| 3  | MP2A         | Mx        | .006               | 2              |
| 4  | MP2A         | X         | -7.672             | 6              |
| 5  | MP2A         | Z         | 0                  | 6              |
| 6  | MP2A         | Mx        | .006               | 6              |
| 7  | MP2B         | X         | -11.381            | 2              |
| 8  | MP2B         | Z         | 0                  | 2              |
| 9  | MP2B         | Mx        | .007               | 2              |
| 10 | MP2B         | X         | -11.381            | 6              |
| 11 | MP2B         | Z         | 0                  | 6              |
| 12 | MP2B         | Mx        | .007               | 6              |
| 13 | MP2C         | X         | -10.514            | 2              |
| 14 | MP2C         | Z         | 0                  | 2              |
| 15 | MP2C         | Mx        | -.01               | 2              |
| 16 | MP2C         | X         | -10.514            | 6              |
| 17 | MP2C         | Z         | 0                  | 6              |
| 18 | MP2C         | Mx        | -.01               | 6              |
| 19 | MP2A         | X         | -7.672             | 2              |
| 20 | MP2A         | Z         | 0                  | 2              |
| 21 | MP2A         | Mx        | .004               | 2              |
| 22 | MP2A         | X         | -7.672             | 6              |
| 23 | MP2A         | Z         | 0                  | 6              |
| 24 | MP2A         | Mx        | .004               | 6              |
| 25 | MP2B         | X         | -11.381            | 2              |
| 26 | MP2B         | Z         | 0                  | 2              |
| 27 | MP2B         | Mx        | -.01               | 2              |
| 28 | MP2B         | X         | -11.381            | 6              |
| 29 | MP2B         | Z         | 0                  | 6              |
| 30 | MP2B         | Mx        | -.01               | 6              |
| 31 | MP2C         | X         | -10.514            | 2              |
| 32 | MP2C         | Z         | 0                  | 2              |
| 33 | MP2C         | Mx        | .003               | 2              |
| 34 | MP2C         | X         | -10.514            | 6              |
| 35 | MP2C         | Z         | 0                  | 6              |
| 36 | MP2C         | Mx        | .003               | 6              |
| 37 | MP4A         | X         | -6.848             | 1              |
| 38 | MP4A         | Z         | 0                  | 1              |
| 39 | MP4A         | Mx        | .004               | 1              |
| 40 | MP4A         | X         | -6.848             | 7              |
| 41 | MP4A         | Z         | 0                  | 7              |
| 42 | MP4A         | Mx        | .004               | 7              |
| 43 | MP4B         | X         | -10.108            | 1              |
| 44 | MP4B         | Z         | 0                  | 1              |
| 45 | MP4B         | Mx        | -.001              | 1              |
| 46 | MP4B         | X         | -10.108            | 7              |
| 47 | MP4B         | Z         | 0                  | 7              |
| 48 | MP4B         | Mx        | -.001              | 7              |
| 49 | MP4C         | X         | -9.345             | 1              |
| 50 | MP4C         | Z         | 0                  | 1              |
| 51 | MP4C         | Mx        | -.003              | 1              |
| 52 | MP4C         | X         | -9.345             | 7              |
| 53 | MP4C         | Z         | 0                  | 7              |
| 54 | MP4C         | Mx        | -.003              | 7              |
| 55 | MP3A         | X         | -1.931             | 3              |
| 56 | MP3A         | Z         | 0                  | 3              |
| 57 | MP3A         | Mx        | .001               | 3              |



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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 58  | MP3A         | X         | -1.931             | 5              |
| 59  | MP3A         | Z         | 0                  | 5              |
| 60  | MP3A         | Mx        | .001               | 5              |
| 61  | MP3B         | X         | -4.696             | 3              |
| 62  | MP3B         | Z         | 0                  | 3              |
| 63  | MP3B         | Mx        | -.000544           | 3              |
| 64  | MP3B         | X         | -4.696             | 5              |
| 65  | MP3B         | Z         | 0                  | 5              |
| 66  | MP3B         | Mx        | -.000544           | 5              |
| 67  | MP3C         | X         | -4.049             | 3              |
| 68  | MP3C         | Z         | 0                  | 3              |
| 69  | MP3C         | Mx        | -.001              | 3              |
| 70  | MP3C         | X         | -4.049             | 5              |
| 71  | MP3C         | Z         | 0                  | 5              |
| 72  | MP3C         | Mx        | -.001              | 5              |
| 73  | MP1A         | X         | -.495              | 4              |
| 74  | MP1A         | Z         | 0                  | 4              |
| 75  | MP1A         | Mx        | .000244            | 4              |
| 76  | MP1B         | X         | -2.193             | 4              |
| 77  | MP1B         | Z         | 0                  | 4              |
| 78  | MP1B         | Mx        | -.00019            | 4              |
| 79  | MP1C         | X         | -1.795             | 4              |
| 80  | MP1C         | Z         | 0                  | 4              |
| 81  | MP1C         | Mx        | -.000449           | 4              |
| 82  | OVP1         | X         | -6.564             | 1              |
| 83  | OVP1         | Z         | 0                  | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | -.655              | 4              |
| 86  | MP2A         | Z         | 0                  | 4              |
| 87  | MP2A         | Mx        | -.000323           | 4              |
| 88  | MP2B         | X         | -.925              | 4              |
| 89  | MP2B         | Z         | 0                  | 4              |
| 90  | MP2B         | Mx        | 8e-5               | 4              |
| 91  | MP2C         | X         | -.862              | 4              |
| 92  | MP2C         | Z         | 0                  | 4              |
| 93  | MP2C         | Mx        | .000215            | 4              |
| 94  | MP2A         | X         | -2.665             | 1.5            |
| 95  | MP2A         | Z         | 0                  | 1.5            |
| 96  | MP2A         | Mx        | -.002              | 1.5            |
| 97  | MP2B         | X         | -3.875             | 1.5            |
| 98  | MP2B         | Z         | 0                  | 1.5            |
| 99  | MP2B         | Mx        | .000449            | 1.5            |
| 100 | MP2C         | X         | -3.591             | 1.5            |
| 101 | MP2C         | Z         | 0                  | 1.5            |
| 102 | MP2C         | Mx        | .001               | 1.5            |
| 103 | MP1A         | X         | -3.264             | 1.5            |
| 104 | MP1A         | Z         | 0                  | 1.5            |
| 105 | MP1A         | Mx        | -.002              | 1.5            |
| 106 | MP1B         | X         | -4.676             | 1.5            |
| 107 | MP1B         | Z         | 0                  | 1.5            |
| 108 | MP1B         | Mx        | .000541            | 1.5            |
| 109 | MP1C         | X         | -4.346             | 1.5            |
| 110 | MP1C         | Z         | 0                  | 1.5            |
| 111 | MP1C         | Mx        | .001               | 1.5            |

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

|  | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
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**Member Point Loads (BLC 37 : Antenna Wm (300 Deg)) (Continued)**

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | -6.941             | 2              |
| 2  | MP2A         | Z         | -4.007             | 2              |
| 3  | MP2A         | Mx        | .003               | 2              |
| 4  | MP2A         | X         | -6.941             | 6              |
| 5  | MP2A         | Z         | -4.007             | 6              |
| 6  | MP2A         | Mx        | .003               | 6              |
| 7  | MP2B         | X         | -9.56              | 2              |
| 8  | MP2B         | Z         | -5.519             | 2              |
| 9  | MP2B         | Mx        | .01                | 2              |
| 10 | MP2B         | X         | -9.56              | 6              |
| 11 | MP2B         | Z         | -5.519             | 6              |
| 12 | MP2B         | Mx        | .01                | 6              |
| 13 | MP2C         | X         | -7.396             | 2              |
| 14 | MP2C         | Z         | -4.27              | 2              |
| 15 | MP2C         | Mx        | -.008              | 2              |
| 16 | MP2C         | X         | -7.396             | 6              |
| 17 | MP2C         | Z         | -4.27              | 6              |
| 18 | MP2C         | Mx        | -.008              | 6              |
| 19 | MP2A         | X         | -6.941             | 2              |
| 20 | MP2A         | Z         | -4.007             | 2              |
| 21 | MP2A         | Mx        | .007               | 2              |
| 22 | MP2A         | X         | -6.941             | 6              |
| 23 | MP2A         | Z         | -4.007             | 6              |
| 24 | MP2A         | Mx        | .007               | 6              |
| 25 | MP2B         | X         | -9.56              | 2              |
| 26 | MP2B         | Z         | -5.519             | 2              |
| 27 | MP2B         | Mx        | -.005              | 2              |
| 28 | MP2B         | X         | -9.56              | 6              |
| 29 | MP2B         | Z         | -5.519             | 6              |
| 30 | MP2B         | Mx        | -.005              | 6              |
| 31 | MP2C         | X         | -7.396             | 2              |
| 32 | MP2C         | Z         | -4.27              | 2              |
| 33 | MP2C         | Mx        | -.002              | 2              |
| 34 | MP2C         | X         | -7.396             | 6              |
| 35 | MP2C         | Z         | -4.27              | 6              |
| 36 | MP2C         | Mx        | -.002              | 6              |
| 37 | MP4A         | X         | -6.191             | 1              |
| 38 | MP4A         | Z         | -3.575             | 1              |
| 39 | MP4A         | Mx        | .004               | 1              |
| 40 | MP4A         | X         | -6.191             | 7              |
| 41 | MP4A         | Z         | -3.575             | 7              |
| 42 | MP4A         | Mx        | .004               | 7              |
| 43 | MP4B         | X         | -8.493             | 1              |
| 44 | MP4B         | Z         | -4.903             | 1              |
| 45 | MP4B         | Mx        | .002               | 1              |
| 46 | MP4B         | X         | -8.493             | 7              |
| 47 | MP4B         | Z         | -4.903             | 7              |
| 48 | MP4B         | Mx        | .002               | 7              |
| 49 | MP4C         | X         | -6.591             | 1              |
| 50 | MP4C         | Z         | -3.805             | 1              |
| 51 | MP4C         | Mx        | -.004              | 1              |
| 52 | MP4C         | X         | -6.591             | 7              |
| 53 | MP4C         | Z         | -3.805             | 7              |
| 54 | MP4C         | Mx        | -.004              | 7              |
| 55 | MP3A         | X         | -1.894             | 3              |
| 56 | MP3A         | Z         | -1.093             | 3              |
| 57 | MP3A         | Mx        | .001               | 3              |



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

| Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |     |
|--------------|-----------|--------------------|----------------|-----|
| 58           | MP3A      | X                  | -1.894         | 5   |
| 59           | MP3A      | Z                  | -1.093         | 5   |
| 60           | MP3A      | Mx                 | .001           | 5   |
| 61           | MP3B      | X                  | -3.845         | 3   |
| 62           | MP3B      | Z                  | -2.22          | 3   |
| 63           | MP3B      | Mx                 | .001           | 3   |
| 64           | MP3B      | X                  | -3.845         | 5   |
| 65           | MP3B      | Z                  | -2.22          | 5   |
| 66           | MP3B      | Mx                 | .001           | 5   |
| 67           | MP3C      | X                  | -2.233         | 3   |
| 68           | MP3C      | Z                  | -1.289         | 3   |
| 69           | MP3C      | Mx                 | -.001          | 3   |
| 70           | MP3C      | X                  | -2.233         | 5   |
| 71           | MP3C      | Z                  | -1.289         | 5   |
| 72           | MP3C      | Mx                 | -.001          | 5   |
| 73           | MP1A      | X                  | -.565          | 4   |
| 74           | MP1A      | Z                  | -.326          | 4   |
| 75           | MP1A      | Mx                 | .000307        | 4   |
| 76           | MP1B      | X                  | -1.763         | 4   |
| 77           | MP1B      | Z                  | -1.018         | 4   |
| 78           | MP1B      | Mx                 | .000348        | 4   |
| 79           | MP1C      | X                  | -.773          | 4   |
| 80           | MP1C      | Z                  | -.446          | 4   |
| 81           | MP1C      | Mx                 | -.000386       | 4   |
| 82           | OVP1      | X                  | -6.516         | 1   |
| 83           | OVP1      | Z                  | -3.762         | 1   |
| 84           | OVP1      | Mx                 | 0              | 1   |
| 85           | MP2A      | X                  | -.589          | 4   |
| 86           | MP2A      | Z                  | -.34           | 4   |
| 87           | MP2A      | Mx                 | -.00032        | 4   |
| 88           | MP2B      | X                  | -.78           | 4   |
| 89           | MP2B      | Z                  | -.45           | 4   |
| 90           | MP2B      | Mx                 | -.000154       | 4   |
| 91           | MP2C      | X                  | -.622          | 4   |
| 92           | MP2C      | Z                  | -.359          | 4   |
| 93           | MP2C      | Mx                 | .000311        | 4   |
| 94           | MP2A      | X                  | -2.404         | 1.5 |
| 95           | MP2A      | Z                  | -1.388         | 1.5 |
| 96           | MP2A      | Mx                 | -.002          | 1.5 |
| 97           | MP2B      | X                  | -3.259         | 1.5 |
| 98           | MP2B      | Z                  | -1.881         | 1.5 |
| 99           | MP2B      | Mx                 | -.000858       | 1.5 |
| 100          | MP2C      | X                  | -2.553         | 1.5 |
| 101          | MP2C      | Z                  | -1.474         | 1.5 |
| 102          | MP2C      | Mx                 | .002           | 1.5 |
| 103          | MP1A      | X                  | -2.94          | 1.5 |
| 104          | MP1A      | Z                  | -1.697         | 1.5 |
| 105          | MP1A      | Mx                 | -.002          | 1.5 |
| 106          | MP1B      | X                  | -3.937         | 1.5 |
| 107          | MP1B      | Z                  | -2.273         | 1.5 |
| 108          | MP1B      | Mx                 | -.001          | 1.5 |
| 109          | MP1C      | X                  | -3.113         | 1.5 |
| 110          | MP1C      | Z                  | -1.797         | 1.5 |
| 111          | MP1C      | Mx                 | .002           | 1.5 |

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

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

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

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | -4.935             | 2              |
| 2  | MP2A         | Z         | -8.547             | 2              |
| 3  | MP2A         | Mx        | -.001              | 2              |
| 4  | MP2A         | X         | -4.935             | 6              |
| 5  | MP2A         | Z         | -8.547             | 6              |
| 6  | MP2A         | Mx        | -.001              | 6              |
| 7  | MP2B         | X         | -4.592             | 2              |
| 8  | MP2B         | Z         | -7.954             | 2              |
| 9  | MP2B         | Mx        | .009               | 2              |
| 10 | MP2B         | X         | -4.592             | 6              |
| 11 | MP2B         | Z         | -7.954             | 6              |
| 12 | MP2B         | Mx        | .009               | 6              |
| 13 | MP2C         | X         | -3.777             | 2              |
| 14 | MP2C         | Z         | -6.541             | 2              |
| 15 | MP2C         | Mx        | -.005              | 2              |
| 16 | MP2C         | X         | -3.777             | 6              |
| 17 | MP2C         | Z         | -6.541             | 6              |
| 18 | MP2C         | Mx        | -.005              | 6              |
| 19 | MP2A         | X         | -4.935             | 2              |
| 20 | MP2A         | Z         | -8.547             | 2              |
| 21 | MP2A         | Mx        | .01                | 2              |
| 22 | MP2A         | X         | -4.935             | 6              |
| 23 | MP2A         | Z         | -8.547             | 6              |
| 24 | MP2A         | Mx        | .01                | 6              |
| 25 | MP2B         | X         | -4.592             | 2              |
| 26 | MP2B         | Z         | -7.954             | 2              |
| 27 | MP2B         | Mx        | .000263            | 2              |
| 28 | MP2B         | X         | -4.592             | 6              |
| 29 | MP2B         | Z         | -7.954             | 6              |
| 30 | MP2B         | Mx        | .000263            | 6              |
| 31 | MP2C         | X         | -3.777             | 2              |
| 32 | MP2C         | Z         | -6.541             | 2              |
| 33 | MP2C         | Mx        | -.005              | 2              |
| 34 | MP2C         | X         | -3.777             | 6              |
| 35 | MP2C         | Z         | -6.541             | 6              |
| 36 | MP2C         | Mx        | -.005              | 6              |
| 37 | MP4A         | X         | -4.39              | 1              |
| 38 | MP4A         | Z         | -7.603             | 1              |
| 39 | MP4A         | Mx        | .004               | 1              |
| 40 | MP4A         | X         | -4.39              | 7              |
| 41 | MP4A         | Z         | -7.603             | 7              |
| 42 | MP4A         | Mx        | .004               | 7              |
| 43 | MP4B         | X         | -4.088             | 1              |
| 44 | MP4B         | Z         | -7.081             | 1              |
| 45 | MP4B         | Mx        | .004               | 1              |
| 46 | MP4B         | X         | -4.088             | 7              |
| 47 | MP4B         | Z         | -7.081             | 7              |
| 48 | MP4B         | Mx        | .004               | 7              |
| 49 | MP4C         | X         | -3.372             | 1              |
| 50 | MP4C         | Z         | -5.84              | 1              |
| 51 | MP4C         | Mx        | -.004              | 1              |
| 52 | MP4C         | X         | -3.372             | 7              |
| 53 | MP4C         | Z         | -5.84              | 7              |
| 54 | MP4C         | Mx        | -.004              | 7              |
| 55 | MP3A         | X         | -1.784             | 3              |
| 56 | MP3A         | Z         | -3.091             | 3              |
| 57 | MP3A         | Mx        | .002               | 3              |



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

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 58  | MP3A         | X         | -1.784             | 5              |
| 59  | MP3A         | Z         | -3.091             | 5              |
| 60  | MP3A         | Mx        | .002               | 5              |
| 61  | MP3B         | X         | -1.529             | 3              |
| 62  | MP3B         | Z         | -2.648             | 3              |
| 63  | MP3B         | Mx        | .002               | 3              |
| 64  | MP3B         | X         | -1.529             | 5              |
| 65  | MP3B         | Z         | -2.648             | 5              |
| 66  | MP3B         | Mx        | .002               | 5              |
| 67  | MP3C         | X         | -.921              | 3              |
| 68  | MP3C         | Z         | -1.596             | 3              |
| 69  | MP3C         | Mx        | -.001              | 3              |
| 70  | MP3C         | X         | -.921              | 5              |
| 71  | MP3C         | Z         | -1.596             | 5              |
| 72  | MP3C         | Mx        | -.001              | 5              |
| 73  | MP1A         | X         | -.75               | 4              |
| 74  | MP1A         | Z         | -1.3               | 4              |
| 75  | MP1A         | Mx        | .000482            | 4              |
| 76  | MP1B         | X         | -.594              | 4              |
| 77  | MP1B         | Z         | -1.028             | 4              |
| 78  | MP1B         | Mx        | .000455            | 4              |
| 79  | MP1C         | X         | -.22               | 4              |
| 80  | MP1C         | Z         | -.382              | 4              |
| 81  | MP1C         | Mx        | -.00022            | 4              |
| 82  | OVP1         | X         | -4.002             | 1              |
| 83  | OVP1         | Z         | -6.931             | 1              |
| 84  | OVP1         | Mx        | 0                  | 1              |
| 85  | MP2A         | X         | -.408              | 4              |
| 86  | MP2A         | Z         | -.706              | 4              |
| 87  | MP2A         | Mx        | -.000262           | 4              |
| 88  | MP2B         | X         | -.383              | 4              |
| 89  | MP2B         | Z         | -.663              | 4              |
| 90  | MP2B         | Mx        | -.000293           | 4              |
| 91  | MP2C         | X         | -.323              | 4              |
| 92  | MP2C         | Z         | -.56               | 4              |
| 93  | MP2C         | Mx        | .000323            | 4              |
| 94  | MP2A         | X         | -1.691             | 1.5            |
| 95  | MP2A         | Z         | -2.928             | 1.5            |
| 96  | MP2A         | Mx        | -.001              | 1.5            |
| 97  | MP2B         | X         | -1.579             | 1.5            |
| 98  | MP2B         | Z         | -2.735             | 1.5            |
| 99  | MP2B         | Mx        | -.002              | 1.5            |
| 100 | MP2C         | X         | -1.313             | 1.5            |
| 101 | MP2C         | Z         | -2.274             | 1.5            |
| 102 | MP2C         | Mx        | .002               | 1.5            |
| 103 | MP1A         | X         | -2.05              | 1.5            |
| 104 | MP1A         | Z         | -3.551             | 1.5            |
| 105 | MP1A         | Mx        | -.002              | 1.5            |
| 106 | MP1B         | X         | -1.92              | 1.5            |
| 107 | MP1B         | Z         | -3.325             | 1.5            |
| 108 | MP1B         | Mx        | -.002              | 1.5            |
| 109 | MP1C         | X         | -1.61              | 1.5            |
| 110 | MP1C         | Z         | -2.788             | 1.5            |
| 111 | MP1C         | Mx        | .002               | 1.5            |

**Member Point Loads (BLC 77 : Lm1)**

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

**Member Point Loads (BLC 77 : Lm1) (Continued)**

|   | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | M1           | Y         | -500               | %37            |

**Member Point Loads (BLC 78 : Lm2)**

|   | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | M1           | Y         | -500               | %89            |

**Member Point Loads (BLC 79 : Lv1)**

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

**Member Point Loads (BLC 80 : Lv2)**

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

**Member Point Loads (BLC 81 : Antenna Ev)**

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | Y         | 0                  | 2              |
| 2  | MP2A         | My        | 0                  | 2              |
| 3  | MP2A         | Mz        | 0                  | 2              |
| 4  | MP2A         | Y         | 0                  | 6              |
| 5  | MP2A         | My        | 0                  | 6              |
| 6  | MP2A         | Mz        | 0                  | 6              |
| 7  | MP2B         | Y         | 0                  | 2              |
| 8  | MP2B         | My        | 0                  | 2              |
| 9  | MP2B         | Mz        | 0                  | 2              |
| 10 | MP2B         | Y         | 0                  | 6              |
| 11 | MP2B         | My        | 0                  | 6              |
| 12 | MP2B         | Mz        | 0                  | 6              |
| 13 | MP2C         | Y         | 0                  | 2              |
| 14 | MP2C         | My        | 0                  | 2              |
| 15 | MP2C         | Mz        | 0                  | 2              |
| 16 | MP2C         | Y         | 0                  | 6              |
| 17 | MP2C         | My        | 0                  | 6              |
| 18 | MP2C         | Mz        | 0                  | 6              |
| 19 | MP2A         | Y         | 0                  | 2              |
| 20 | MP2A         | My        | 0                  | 2              |
| 21 | MP2A         | Mz        | 0                  | 2              |
| 22 | MP2A         | Y         | 0                  | 6              |
| 23 | MP2A         | My        | 0                  | 6              |
| 24 | MP2A         | Mz        | 0                  | 6              |
| 25 | MP2B         | Y         | 0                  | 2              |
| 26 | MP2B         | My        | 0                  | 2              |
| 27 | MP2B         | Mz        | 0                  | 2              |
| 28 | MP2B         | Y         | 0                  | 6              |
| 29 | MP2B         | My        | 0                  | 6              |
| 30 | MP2B         | Mz        | 0                  | 6              |
| 31 | MP2C         | Y         | 0                  | 2              |
| 32 | MP2C         | My        | 0                  | 2              |
| 33 | MP2C         | Mz        | 0                  | 2              |
| 34 | MP2C         | Y         | 0                  | 6              |
| 35 | MP2C         | My        | 0                  | 6              |
| 36 | MP2C         | Mz        | 0                  | 6              |
| 37 | MP4A         | Y         | 0                  | 1              |
| 38 | MP4A         | My        | 0                  | 1              |
| 39 | MP4A         | Mz        | 0                  | 1              |





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**Member Point Loads (BLC 81 : Antenna Ev) (Continued)**

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 40 | MP4A         | Y         | 0                  | 7              |
| 41 | MP4A         | My        | 0                  | 7              |
| 42 | MP4A         | Mz        | 0                  | 7              |
| 43 | MP4B         | Y         | 0                  | 1              |
| 44 | MP4B         | My        | 0                  | 1              |
| 45 | MP4B         | Mz        | 0                  | 1              |
| 46 | MP4B         | Y         | 0                  | 7              |
| 47 | MP4B         | My        | 0                  | 7              |
| 48 | MP4B         | Mz        | 0                  | 7              |
| 49 | MP4C         | Y         | 0                  | 1              |
| 50 | MP4C         | My        | 0                  | 1              |
| 51 | MP4C         | Mz        | 0                  | 1              |
| 52 | MP4C         | Y         | 0                  | 7              |
| 53 | MP4C         | My        | 0                  | 7              |
| 54 | MP4C         | Mz        | 0                  | 7              |
| 55 | MP3A         | Y         | 0                  | 3              |
| 56 | MP3A         | My        | 0                  | 3              |
| 57 | MP3A         | Mz        | 0                  | 3              |
| 58 | MP3A         | Y         | 0                  | 5              |
| 59 | MP3A         | My        | 0                  | 5              |
| 60 | MP3A         | Mz        | 0                  | 5              |
| 61 | MP3B         | Y         | 0                  | 3              |
| 62 | MP3B         | My        | 0                  | 3              |
| 63 | MP3B         | Mz        | 0                  | 3              |
| 64 | MP3B         | Y         | 0                  | 5              |
| 65 | MP3B         | My        | 0                  | 5              |
| 66 | MP3B         | Mz        | 0                  | 5              |
| 67 | MP3C         | Y         | 0                  | 3              |
| 68 | MP3C         | My        | 0                  | 3              |
| 69 | MP3C         | Mz        | 0                  | 3              |
| 70 | MP3C         | Y         | 0                  | 5              |
| 71 | MP3C         | My        | 0                  | 5              |
| 72 | MP3C         | Mz        | 0                  | 5              |
| 73 | MP1A         | Y         | 0                  | 4              |
| 74 | MP1A         | My        | 0                  | 4              |
| 75 | MP1A         | Mz        | 0                  | 4              |
| 76 | MP1B         | Y         | 0                  | 4              |
| 77 | MP1B         | My        | 0                  | 4              |
| 78 | MP1B         | Mz        | 0                  | 4              |
| 79 | MP1C         | Y         | 0                  | 4              |
| 80 | MP1C         | My        | 0                  | 4              |
| 81 | MP1C         | Mz        | 0                  | 4              |
| 82 | OVP1         | Y         | 0                  | 1              |
| 83 | OVP1         | My        | 0                  | 1              |
| 84 | OVP1         | Mz        | 0                  | 1              |
| 85 | MP2A         | Y         | 0                  | 4              |
| 86 | MP2A         | My        | 0                  | 4              |
| 87 | MP2A         | Mz        | 0                  | 4              |
| 88 | MP2B         | Y         | 0                  | 4              |
| 89 | MP2B         | My        | 0                  | 4              |
| 90 | MP2B         | Mz        | 0                  | 4              |
| 91 | MP2C         | Y         | 0                  | 4              |
| 92 | MP2C         | My        | 0                  | 4              |
| 93 | MP2C         | Mz        | 0                  | 4              |
| 94 | MP2A         | Y         | 0                  | 1.5            |
| 95 | MP2A         | My        | 0                  | 1.5            |
| 96 | MP2A         | Mz        | 0                  | 1.5            |

**Member Point Loads (BLC 81 : Antenna Ev) (Continued)**

|     | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|-----|--------------|-----------|--------------------|----------------|
| 97  | MP2B         | Y         | 0                  | 1.5            |
| 98  | MP2B         | My        | 0                  | 1.5            |
| 99  | MP2B         | Mz        | 0                  | 1.5            |
| 100 | MP2C         | Y         | 0                  | 1.5            |
| 101 | MP2C         | My        | 0                  | 1.5            |
| 102 | MP2C         | Mz        | 0                  | 1.5            |
| 103 | MP1A         | Y         | 0                  | 1.5            |
| 104 | MP1A         | My        | 0                  | 1.5            |
| 105 | MP1A         | Mz        | 0                  | 1.5            |
| 106 | MP1B         | Y         | 0                  | 1.5            |
| 107 | MP1B         | My        | 0                  | 1.5            |
| 108 | MP1B         | Mz        | 0                  | 1.5            |
| 109 | MP1C         | Y         | 0                  | 1.5            |
| 110 | MP1C         | My        | 0                  | 1.5            |
| 111 | MP1C         | Mz        | 0                  | 1.5            |

**Member Point Loads (BLC 82 : Antenna Eh (0 Deg))**

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | Z         | -.95               | 2              |
| 2  | MP2A         | Mx        | -.000591           | 2              |
| 3  | MP2A         | Z         | -.95               | 6              |
| 4  | MP2A         | Mx        | -.000591           | 6              |
| 5  | MP2B         | Z         | -.95               | 2              |
| 6  | MP2B         | Mx        | .000747            | 2              |
| 7  | MP2B         | Z         | -.95               | 6              |
| 8  | MP2B         | Mx        | .000747            | 6              |
| 9  | MP2C         | Z         | -.95               | 2              |
| 10 | MP2C         | Mx        | -.000192           | 2              |
| 11 | MP2C         | Z         | -.95               | 6              |
| 12 | MP2C         | Mx        | -.000192           | 6              |
| 13 | MP2A         | Z         | -.95               | 2              |
| 14 | MP2A         | Mx        | .000811            | 2              |
| 15 | MP2A         | Z         | -.95               | 6              |
| 16 | MP2A         | Mx        | .000811            | 6              |
| 17 | MP2B         | Z         | -.95               | 2              |
| 18 | MP2B         | Mx        | .0005              | 2              |
| 19 | MP2B         | Z         | -.95               | 6              |
| 20 | MP2B         | Mx        | .0005              | 6              |
| 21 | MP2C         | Z         | -.95               | 2              |
| 22 | MP2C         | Mx        | -.000904           | 2              |
| 23 | MP2C         | Z         | -.95               | 6              |
| 24 | MP2C         | Mx        | -.000904           | 6              |
| 25 | MP4A         | Z         | -.496              | 1              |
| 26 | MP4A         | Mx        | 5.7e-5             | 1              |
| 27 | MP4A         | Z         | -.496              | 7              |
| 28 | MP4A         | Mx        | 5.7e-5             | 7              |
| 29 | MP4B         | Z         | -.496              | 1              |
| 30 | MP4B         | Mx        | .000326            | 1              |
| 31 | MP4B         | Z         | -.496              | 7              |
| 32 | MP4B         | Mx        | .000326            | 7              |
| 33 | MP4C         | Z         | -.496              | 1              |
| 34 | MP4C         | Mx        | -.000287           | 1              |
| 35 | MP4C         | Z         | -.496              | 7              |
| 36 | MP4C         | Mx        | -.000287           | 7              |
| 37 | MP3A         | Z         | -.86               | 3              |
| 38 | MP3A         | Mx        | .0001              | 3              |

**Member Point Loads (BLC 82 : Antenna Eh (0 Deg)) (Continued)**

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 39 | MP3A         | Z         | - .86              | 5              |
| 40 | MP3A         | Mx        | .0001              | 5              |
| 41 | MP3B         | Z         | - .86              | 3              |
| 42 | MP3B         | Mx        | .000564            | 3              |
| 43 | MP3B         | Z         | - .86              | 5              |
| 44 | MP3B         | Mx        | .000564            | 5              |
| 45 | MP3C         | Z         | - .86              | 3              |
| 46 | MP3C         | Mx        | -.000496           | 3              |
| 47 | MP3C         | Z         | - .86              | 5              |
| 48 | MP3C         | Mx        | -.000496           | 5              |
| 49 | MP1A         | Z         | - .132             | 4              |
| 50 | MP1A         | Mx        | 1.1e-5             | 4              |
| 51 | MP1B         | Z         | - .132             | 4              |
| 52 | MP1B         | Mx        | 6.5e-5             | 4              |
| 53 | MP1C         | Z         | - .132             | 4              |
| 54 | MP1C         | Mx        | -5.7e-5            | 4              |
| 55 | OVP1         | Z         | - .96              | 1              |
| 56 | OVP1         | Mx        | 0                  | 1              |
| 57 | MP2A         | Z         | - .312             | 4              |
| 58 | MP2A         | Mx        | -2.7e-5            | 4              |
| 59 | MP2B         | Z         | - .312             | 4              |
| 60 | MP2B         | Mx        | -.000154           | 4              |
| 61 | MP2C         | Z         | - .312             | 4              |
| 62 | MP2C         | Mx        | .000135            | 4              |
| 63 | MP2A         | Z         | -2.241             | 1.5            |
| 64 | MP2A         | Mx        | -.000259           | 1.5            |
| 65 | MP2B         | Z         | -2.241             | 1.5            |
| 66 | MP2B         | Mx        | -.001              | 1.5            |
| 67 | MP2C         | Z         | -2.241             | 1.5            |
| 68 | MP2C         | Mx        | .001               | 1.5            |
| 69 | MP1A         | Z         | -2.373             | 1.5            |
| 70 | MP1A         | Mx        | -.000275           | 1.5            |
| 71 | MP1B         | Z         | -2.373             | 1.5            |
| 72 | MP1B         | Mx        | -.002              | 1.5            |
| 73 | MP1C         | Z         | -2.373             | 1.5            |
| 74 | MP1C         | Mx        | .001               | 1.5            |

**Member Point Loads (BLC 83 : Antenna Eh (90 Deg))**

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1  | MP2A         | X         | .95                | 2              |
| 2  | MP2A         | Mx        | -.000747           | 2              |
| 3  | MP2A         | X         | .95                | 6              |
| 4  | MP2A         | Mx        | -.000747           | 6              |
| 5  | MP2B         | X         | .95                | 2              |
| 6  | MP2B         | Mx        | -.000591           | 2              |
| 7  | MP2B         | X         | .95                | 6              |
| 8  | MP2B         | Mx        | -.000591           | 6              |
| 9  | MP2C         | X         | .95                | 2              |
| 10 | MP2C         | Mx        | .000933            | 2              |
| 11 | MP2C         | X         | .95                | 6              |
| 12 | MP2C         | Mx        | .000933            | 6              |
| 13 | MP2A         | X         | .95                | 2              |
| 14 | MP2A         | Mx        | -.0005             | 2              |
| 15 | MP2A         | X         | .95                | 6              |
| 16 | MP2A         | Mx        | -.0005             | 6              |
| 17 | MP2B         | X         | .95                | 2              |



Company :  
 Designer :  
 Job Number :  
 Model Name :

Nov 15, 2023  
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 Checked By: \_\_\_\_\_

**Member Point Loads (BLC 83 : Antenna Eh (90 Deg)) (Continued)**

|    | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 18 | MP2B         | Mx        | .000811            | 2              |
| 19 | MP2B         | X         | .95                | 6              |
| 20 | MP2B         | Mx        | .000811            | 6              |
| 21 | MP2C         | X         | .95                | 2              |
| 22 | MP2C         | Mx        | -.0003             | 2              |
| 23 | MP2C         | X         | .95                | 6              |
| 24 | MP2C         | Mx        | -.0003             | 6              |
| 25 | MP4A         | X         | .496               | 1              |
| 26 | MP4A         | Mx        | -.000326           | 1              |
| 27 | MP4A         | X         | .496               | 7              |
| 28 | MP4A         | Mx        | -.000326           | 7              |
| 29 | MP4B         | X         | .496               | 1              |
| 30 | MP4B         | Mx        | 5.7e-5             | 1              |
| 31 | MP4B         | X         | .496               | 7              |
| 32 | MP4B         | Mx        | 5.7e-5             | 7              |
| 33 | MP4C         | X         | .496               | 1              |
| 34 | MP4C         | Mx        | .000166            | 1              |
| 35 | MP4C         | X         | .496               | 7              |
| 36 | MP4C         | Mx        | .000166            | 7              |
| 37 | MP3A         | X         | .86                | 3              |
| 38 | MP3A         | Mx        | -.000564           | 3              |
| 39 | MP3A         | X         | .86                | 5              |
| 40 | MP3A         | Mx        | -.000564           | 5              |
| 41 | MP3B         | X         | .86                | 3              |
| 42 | MP3B         | Mx        | .0001              | 3              |
| 43 | MP3B         | X         | .86                | 5              |
| 44 | MP3B         | Mx        | .0001              | 5              |
| 45 | MP3C         | X         | .86                | 3              |
| 46 | MP3C         | Mx        | .000287            | 3              |
| 47 | MP3C         | X         | .86                | 5              |
| 48 | MP3C         | Mx        | .000287            | 5              |
| 49 | MP1A         | X         | .132               | 4              |
| 50 | MP1A         | Mx        | -6.5e-5            | 4              |
| 51 | MP1B         | X         | .132               | 4              |
| 52 | MP1B         | Mx        | 1.1e-5             | 4              |
| 53 | MP1C         | X         | .132               | 4              |
| 54 | MP1C         | Mx        | 3.3e-5             | 4              |
| 55 | OVP1         | X         | .96                | 1              |
| 56 | OVP1         | Mx        | 0                  | 1              |
| 57 | MP2A         | X         | .312               | 4              |
| 58 | MP2A         | Mx        | .000154            | 4              |
| 59 | MP2B         | X         | .312               | 4              |
| 60 | MP2B         | Mx        | -2.7e-5            | 4              |
| 61 | MP2C         | X         | .312               | 4              |
| 62 | MP2C         | Mx        | -7.8e-5            | 4              |
| 63 | MP2A         | X         | 2.241              | 1.5            |
| 64 | MP2A         | Mx        | .001               | 1.5            |
| 65 | MP2B         | X         | 2.241              | 1.5            |
| 66 | MP2B         | Mx        | -.000259           | 1.5            |
| 67 | MP2C         | X         | 2.241              | 1.5            |
| 68 | MP2C         | Mx        | -.000747           | 1.5            |
| 69 | MP1A         | X         | 2.373              | 1.5            |
| 70 | MP1A         | Mx        | .002               | 1.5            |
| 71 | MP1B         | X         | 2.373              | 1.5            |
| 72 | MP1B         | Mx        | -.000275           | 1.5            |
| 73 | MP1C         | X         | 2.373              | 1.5            |
| 74 | MP1C         | Mx        | -.000791           | 1.5            |



Company :  
 Designer :  
 Job Number :  
 Model Name :

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 Checked By: \_\_\_\_\_

### Joint Loads and Enforced Displacements

| Joint Label          | L,D,M | Direction | Magnitude[(lb,k-ft), (in,rad), (lb*s^2/ft, lb*s^2*ft)] |
|----------------------|-------|-----------|--|
| No Data to Print ... |       |           |  |

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

|    | Member Label | Direction | Start Magnitude[lb/ft,F,ksf] | End Magnitude[lb/ft,F,ksf] | Start Location[f...] | End Location[ft...] |
|----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 1  | M121         | Y         | -6.401                       | -6.401                     | 0                    | %100                |
| 2  | M122         | Y         | -6.401                       | -6.401                     | 0                    | %100                |
| 3  | M123         | Y         | -6.401                       | -6.401                     | 0                    | %100                |
| 4  | M100         | Y         | -4.807                       | -4.807                     | 0                    | %100                |
| 5  | M105         | Y         | -4.807                       | -4.807                     | 0                    | %100                |
| 6  | M106         | Y         | -4.807                       | -4.807                     | 0                    | %100                |
| 7  | M4           | Y         | -9.315                       | -9.315                     | 0                    | %100                |
| 8  | M52A         | Y         | -9.315                       | -9.315                     | 0                    | %100                |
| 9  | M76A         | Y         | -9.315                       | -9.315                     | 0                    | %100                |
| 10 | M10          | Y         | -9.315                       | -9.315                     | 0                    | %100                |
| 11 | M43          | Y         | -9.315                       | -9.315                     | 0                    | %100                |
| 12 | M53          | Y         | -9.315                       | -9.315                     | 0                    | %100                |
| 13 | M54          | Y         | -9.315                       | -9.315                     | 0                    | %100                |
| 14 | M77A         | Y         | -9.315                       | -9.315                     | 0                    | %100                |
| 15 | M78          | Y         | -9.315                       | -9.315                     | 0                    | %100                |
| 16 | MP3A         | Y         | -4.807                       | -4.807                     | 0                    | %100                |
| 17 | MP4A         | Y         | -4.807                       | -4.807                     | 0                    | %100                |
| 18 | MP2A         | Y         | -4.807                       | -4.807                     | 0                    | %100                |
| 19 | MP1A         | Y         | -4.807                       | -4.807                     | 0                    | %100                |
| 20 | MP3C         | Y         | -4.807                       | -4.807                     | 0                    | %100                |
| 21 | MP4C         | Y         | -4.807                       | -4.807                     | 0                    | %100                |
| 22 | MP2C         | Y         | -4.807                       | -4.807                     | 0                    | %100                |
| 23 | MP1C         | Y         | -4.807                       | -4.807                     | 0                    | %100                |
| 24 | MP3B         | Y         | -4.807                       | -4.807                     | 0                    | %100                |
| 25 | MP4B         | Y         | -4.807                       | -4.807                     | 0                    | %100                |
| 26 | MP2B         | Y         | -4.807                       | -4.807                     | 0                    | %100                |
| 27 | MP1B         | Y         | -4.807                       | -4.807                     | 0                    | %100                |
| 28 | M51B         | Y         | -5.429                       | -5.429                     | 0                    | %100                |
| 29 | M52B         | Y         | -5.429                       | -5.429                     | 0                    | %100                |
| 30 | M58A         | Y         | -5.429                       | -5.429                     | 0                    | %100                |
| 31 | M59A         | Y         | -5.429                       | -5.429                     | 0                    | %100                |
| 32 | M82          | Y         | -5.429                       | -5.429                     | 0                    | %100                |
| 33 | M83A         | Y         | -5.429                       | -5.429                     | 0                    | %100                |
| 34 | M1           | Y         | -6.352                       | -6.352                     | 0                    | %100                |
| 35 | M82A         | Y         | -6.352                       | -6.352                     | 0                    | %100                |
| 36 | M91B         | Y         | -6.352                       | -6.352                     | 0                    | %100                |
| 37 | M76          | Y         | -9.802                       | -9.802                     | 0                    | %100                |
| 38 | M77          | Y         | -9.802                       | -9.802                     | 0                    | %100                |
| 39 | M84          | Y         | -9.802                       | -9.802                     | 0                    | %100                |
| 40 | M85          | Y         | -9.802                       | -9.802                     | 0                    | %100                |
| 41 | M63          | Y         | -9.802                       | -9.802                     | 0                    | %100                |
| 42 | M64          | Y         | -9.802                       | -9.802                     | 0                    | %100                |
| 43 | M68          | Y         | -9.802                       | -9.802                     | 0                    | %100                |
| 44 | M69          | Y         | -9.802                       | -9.802                     | 0                    | %100                |
| 45 | M87          | Y         | -9.802                       | -9.802                     | 0                    | %100                |
| 46 | M88A         | Y         | -9.802                       | -9.802                     | 0                    | %100                |
| 47 | M92A         | Y         | -9.802                       | -9.802                     | 0                    | %100                |
| 48 | M93          | Y         | -9.802                       | -9.802                     | 0                    | %100                |
| 49 | M46          | Y         | -9.814                       | -9.814                     | 0                    | %100                |
| 50 | M80          | Y         | -9.814                       | -9.814                     | 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[f.. | End Location[ft.. |
|----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 51 | M91          | Y         | -9.814                       | -9.814                     | 0                  | %100              |
| 52 | M55          | Y         | -9.814                       | -9.814                     | 0                  | %100              |
| 53 | M66          | Y         | -9.814                       | -9.814                     | 0                  | %100              |
| 54 | M71          | Y         | -9.814                       | -9.814                     | 0                  | %100              |
| 55 | M79A         | Y         | -9.814                       | -9.814                     | 0                  | %100              |
| 56 | M90          | Y         | -9.814                       | -9.814                     | 0                  | %100              |
| 57 | M95          | Y         | -9.814                       | -9.814                     | 0                  | %100              |
| 58 | OVP1         | Y         | -4.807                       | -4.807                     | 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[f.. | End Location[ft.. |
|----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 1  | M121         | X         | 0                            | 0                          | 0                  | %100              |
| 2  | M121         | Z         | -2.655                       | -2.655                     | 0                  | %100              |
| 3  | M122         | X         | 0                            | 0                          | 0                  | %100              |
| 4  | M122         | Z         | -10.621                      | -10.621                    | 0                  | %100              |
| 5  | M123         | X         | 0                            | 0                          | 0                  | %100              |
| 6  | M123         | Z         | -2.655                       | -2.655                     | 0                  | %100              |
| 7  | M100         | X         | 0                            | 0                          | 0                  | %100              |
| 8  | M100         | Z         | -9.594                       | -9.594                     | 0                  | %100              |
| 9  | M105         | X         | 0                            | 0                          | 0                  | %100              |
| 10 | M105         | Z         | -2.399                       | -2.399                     | 0                  | %100              |
| 11 | M106         | X         | 0                            | 0                          | 0                  | %100              |
| 12 | M106         | Z         | -2.399                       | -2.399                     | 0                  | %100              |
| 13 | M4           | X         | 0                            | 0                          | 0                  | %100              |
| 14 | M4           | Z         | 0                            | 0                          | 0                  | %100              |
| 15 | M52A         | X         | 0                            | 0                          | 0                  | %100              |
| 16 | M52A         | Z         | -10.771                      | -10.771                    | 0                  | %100              |
| 17 | M76A         | X         | 0                            | 0                          | 0                  | %100              |
| 18 | M76A         | Z         | -10.771                      | -10.771                    | 0                  | %100              |
| 19 | M10          | X         | 0                            | 0                          | 0                  | %100              |
| 20 | M10          | Z         | -12.152                      | -12.152                    | 0                  | %100              |
| 21 | M43          | X         | 0                            | 0                          | 0                  | %100              |
| 22 | M43          | Z         | -12.152                      | -12.152                    | 0                  | %100              |
| 23 | M53          | X         | 0                            | 0                          | 0                  | %100              |
| 24 | M53          | Z         | -3.038                       | -3.038                     | 0                  | %100              |
| 25 | M54          | X         | 0                            | 0                          | 0                  | %100              |
| 26 | M54          | Z         | -3.038                       | -3.038                     | 0                  | %100              |
| 27 | M77A         | X         | 0                            | 0                          | 0                  | %100              |
| 28 | M77A         | Z         | -3.038                       | -3.038                     | 0                  | %100              |
| 29 | M78          | X         | 0                            | 0                          | 0                  | %100              |
| 30 | M78          | Z         | -3.038                       | -3.038                     | 0                  | %100              |
| 31 | MP3A         | X         | 0                            | 0                          | 0                  | %100              |
| 32 | MP3A         | Z         | -9.594                       | -9.594                     | 0                  | %100              |
| 33 | MP4A         | X         | 0                            | 0                          | 0                  | %100              |
| 34 | MP4A         | Z         | -9.594                       | -9.594                     | 0                  | %100              |
| 35 | MP2A         | X         | 0                            | 0                          | 0                  | %100              |
| 36 | MP2A         | Z         | -9.594                       | -9.594                     | 0                  | %100              |
| 37 | MP1A         | X         | 0                            | 0                          | 0                  | %100              |
| 38 | MP1A         | Z         | -9.594                       | -9.594                     | 0                  | %100              |
| 39 | MP3C         | X         | 0                            | 0                          | 0                  | %100              |
| 40 | MP3C         | Z         | -9.594                       | -9.594                     | 0                  | %100              |
| 41 | MP4C         | X         | 0                            | 0                          | 0                  | %100              |
| 42 | MP4C         | Z         | -9.594                       | -9.594                     | 0                  | %100              |
| 43 | MP2C         | X         | 0                            | 0                          | 0                  | %100              |
| 44 | MP2C         | Z         | -9.594                       | -9.594                     | 0                  | %100              |
| 45 | MP1C         | 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[f.. | End Location[ft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 46           | MP1C      | Z                            | -9.594                     | 0                  | %100              |
| 47           | MP3B      | X                            | 0                          | 0                  | %100              |
| 48           | MP3B      | Z                            | -9.594                     | 0                  | %100              |
| 49           | MP4B      | X                            | 0                          | 0                  | %100              |
| 50           | MP4B      | Z                            | -9.594                     | 0                  | %100              |
| 51           | MP2B      | X                            | 0                          | 0                  | %100              |
| 52           | MP2B      | Z                            | -9.594                     | 0                  | %100              |
| 53           | MP1B      | X                            | 0                          | 0                  | %100              |
| 54           | MP1B      | Z                            | -9.594                     | 0                  | %100              |
| 55           | M51B      | X                            | 0                          | 0                  | %100              |
| 56           | M51B      | Z                            | -3.365                     | 0                  | %100              |
| 57           | M52B      | X                            | 0                          | 0                  | %100              |
| 58           | M52B      | Z                            | -3.365                     | 0                  | %100              |
| 59           | M58A      | X                            | 0                          | 0                  | %100              |
| 60           | M58A      | Z                            | -3.365                     | 0                  | %100              |
| 61           | M59A      | X                            | 0                          | 0                  | %100              |
| 62           | M59A      | Z                            | -13.459                    | 0                  | %100              |
| 63           | M82       | X                            | 0                          | 0                  | %100              |
| 64           | M82       | Z                            | -13.459                    | 0                  | %100              |
| 65           | M83A      | X                            | 0                          | 0                  | %100              |
| 66           | M83A      | Z                            | -3.365                     | 0                  | %100              |
| 67           | M1        | X                            | 0                          | 0                  | %100              |
| 68           | M1        | Z                            | -13.916                    | 0                  | %100              |
| 69           | M82A      | X                            | 0                          | 0                  | %100              |
| 70           | M82A      | Z                            | -3.479                     | 0                  | %100              |
| 71           | M91B      | X                            | 0                          | 0                  | %100              |
| 72           | M91B      | Z                            | -3.479                     | 0                  | %100              |
| 73           | M76       | X                            | 0                          | 0                  | %100              |
| 74           | M76       | Z                            | 0                          | 0                  | %100              |
| 75           | M77       | X                            | 0                          | 0                  | %100              |
| 76           | M77       | Z                            | -6.172                     | 0                  | %100              |
| 77           | M84       | X                            | 0                          | 0                  | %100              |
| 78           | M84       | Z                            | 0                          | 0                  | %100              |
| 79           | M85       | X                            | 0                          | 0                  | %100              |
| 80           | M85       | Z                            | -6.172                     | 0                  | %100              |
| 81           | M63       | X                            | 0                          | 0                  | %100              |
| 82           | M63       | Z                            | -18.178                    | 0                  | %100              |
| 83           | M64       | X                            | 0                          | 0                  | %100              |
| 84           | M64       | Z                            | -6.172                     | 0                  | %100              |
| 85           | M68       | X                            | 0                          | 0                  | %100              |
| 86           | M68       | Z                            | -18.178                    | 0                  | %100              |
| 87           | M69       | X                            | 0                          | 0                  | %100              |
| 88           | M69       | Z                            | -24.687                    | 0                  | %100              |
| 89           | M87       | X                            | 0                          | 0                  | %100              |
| 90           | M87       | Z                            | -18.178                    | 0                  | %100              |
| 91           | M88A      | X                            | 0                          | 0                  | %100              |
| 92           | M88A      | Z                            | -24.687                    | 0                  | %100              |
| 93           | M92A      | X                            | 0                          | 0                  | %100              |
| 94           | M92A      | Z                            | -18.178                    | 0                  | %100              |
| 95           | M93       | X                            | 0                          | 0                  | %100              |
| 96           | M93       | Z                            | -6.172                     | 0                  | %100              |
| 97           | M46       | X                            | 0                          | 0                  | %100              |
| 98           | M46       | Z                            | -24.238                    | 0                  | %100              |
| 99           | M80       | X                            | 0                          | 0                  | %100              |
| 100          | M80       | Z                            | -6.5                       | 0                  | %100              |
| 101          | M91       | X                            | 0                          | 0                  | %100              |
| 102          | M91       | Z                            | -6.5                       | 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[f.. | End Location[ft.. |
|-----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 103 | M55          | X         | 0                            | 0                          | 0                  | %100              |
| 104 | M55          | Z         | -6.059                       | -6.059                     | 0                  | %100              |
| 105 | M66          | X         | 0                            | 0                          | 0                  | %100              |
| 106 | M66          | Z         | -6.5                         | -6.5                       | 0                  | %100              |
| 107 | M71          | X         | 0                            | 0                          | 0                  | %100              |
| 108 | M71          | Z         | -26.002                      | -26.002                    | 0                  | %100              |
| 109 | M79A         | X         | 0                            | 0                          | 0                  | %100              |
| 110 | M79A         | Z         | -6.059                       | -6.059                     | 0                  | %100              |
| 111 | M90          | X         | 0                            | 0                          | 0                  | %100              |
| 112 | M90          | Z         | -26.002                      | -26.002                    | 0                  | %100              |
| 113 | M95          | X         | 0                            | 0                          | 0                  | %100              |
| 114 | M95          | Z         | -6.5                         | -6.5                       | 0                  | %100              |
| 115 | OVP1         | X         | 0                            | 0                          | 0                  | %100              |
| 116 | OVP1         | Z         | -7.845                       | -7.845                     | 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[f.. | End Location[ft.. |
|----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 1  | M121         | X         | 3.983                        | 3.983                      | 0                  | %100              |
| 2  | M121         | Z         | -6.898                       | -6.898                     | 0                  | %100              |
| 3  | M122         | X         | 3.983                        | 3.983                      | 0                  | %100              |
| 4  | M122         | Z         | -6.898                       | -6.898                     | 0                  | %100              |
| 5  | M123         | X         | 0                            | 0                          | 0                  | %100              |
| 6  | M123         | Z         | 0                            | 0                          | 0                  | %100              |
| 7  | M100         | X         | 3.598                        | 3.598                      | 0                  | %100              |
| 8  | M100         | Z         | -6.232                       | -6.232                     | 0                  | %100              |
| 9  | M105         | X         | 3.598                        | 3.598                      | 0                  | %100              |
| 10 | M105         | Z         | -6.232                       | -6.232                     | 0                  | %100              |
| 11 | M106         | X         | 0                            | 0                          | 0                  | %100              |
| 12 | M106         | Z         | 0                            | 0                          | 0                  | %100              |
| 13 | M4           | X         | 1.795                        | 1.795                      | 0                  | %100              |
| 14 | M4           | Z         | -3.109                       | -3.109                     | 0                  | %100              |
| 15 | M52A         | X         | 1.795                        | 1.795                      | 0                  | %100              |
| 16 | M52A         | Z         | -3.109                       | -3.109                     | 0                  | %100              |
| 17 | M76A         | X         | 7.18                         | 7.18                       | 0                  | %100              |
| 18 | M76A         | Z         | -12.437                      | -12.437                    | 0                  | %100              |
| 19 | M10          | X         | 4.557                        | 4.557                      | 0                  | %100              |
| 20 | M10          | Z         | -7.893                       | -7.893                     | 0                  | %100              |
| 21 | M43          | X         | 4.557                        | 4.557                      | 0                  | %100              |
| 22 | M43          | Z         | -7.893                       | -7.893                     | 0                  | %100              |
| 23 | M53          | X         | 4.557                        | 4.557                      | 0                  | %100              |
| 24 | M53          | Z         | -7.893                       | -7.893                     | 0                  | %100              |
| 25 | M54          | X         | 4.557                        | 4.557                      | 0                  | %100              |
| 26 | M54          | Z         | -7.893                       | -7.893                     | 0                  | %100              |
| 27 | M77A         | X         | 0                            | 0                          | 0                  | %100              |
| 28 | M77A         | Z         | 0                            | 0                          | 0                  | %100              |
| 29 | M78          | X         | 0                            | 0                          | 0                  | %100              |
| 30 | M78          | Z         | 0                            | 0                          | 0                  | %100              |
| 31 | MP3A         | X         | 4.797                        | 4.797                      | 0                  | %100              |
| 32 | MP3A         | Z         | -8.309                       | -8.309                     | 0                  | %100              |
| 33 | MP4A         | X         | 4.797                        | 4.797                      | 0                  | %100              |
| 34 | MP4A         | Z         | -8.309                       | -8.309                     | 0                  | %100              |
| 35 | MP2A         | X         | 4.797                        | 4.797                      | 0                  | %100              |
| 36 | MP2A         | Z         | -8.309                       | -8.309                     | 0                  | %100              |
| 37 | MP1A         | X         | 4.797                        | 4.797                      | 0                  | %100              |
| 38 | MP1A         | Z         | -8.309                       | -8.309                     | 0                  | %100              |
| 39 | MP3C         | X         | 4.797                        | 4.797                      | 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 Locationft. | End Locationft. |
|--------------|-----------|------------------------------|----------------------------|-------------------|-----------------|
| 40           | MP3C      | Z                            | -8.309                     | 0                 | %100            |
| 41           | MP4C      | X                            | 4.797                      | 0                 | %100            |
| 42           | MP4C      | Z                            | -8.309                     | 0                 | %100            |
| 43           | MP2C      | X                            | 4.797                      | 0                 | %100            |
| 44           | MP2C      | Z                            | -8.309                     | 0                 | %100            |
| 45           | MP1C      | X                            | 4.797                      | 0                 | %100            |
| 46           | MP1C      | Z                            | -8.309                     | 0                 | %100            |
| 47           | MP3B      | X                            | 4.797                      | 0                 | %100            |
| 48           | MP3B      | Z                            | -8.309                     | 0                 | %100            |
| 49           | MP4B      | X                            | 4.797                      | 0                 | %100            |
| 50           | MP4B      | Z                            | -8.309                     | 0                 | %100            |
| 51           | MP2B      | X                            | 4.797                      | 0                 | %100            |
| 52           | MP2B      | Z                            | -8.309                     | 0                 | %100            |
| 53           | MP1B      | X                            | 4.797                      | 0                 | %100            |
| 54           | MP1B      | Z                            | -8.309                     | 0                 | %100            |
| 55           | M51B      | X                            | 5.047                      | 0                 | %100            |
| 56           | M51B      | Z                            | -8.742                     | 0                 | %100            |
| 57           | M52B      | X                            | 0                          | 0                 | %100            |
| 58           | M52B      | Z                            | 0                          | 0                 | %100            |
| 59           | M58A      | X                            | 0                          | 0                 | %100            |
| 60           | M58A      | Z                            | 0                          | 0                 | %100            |
| 61           | M59A      | X                            | 5.047                      | 0                 | %100            |
| 62           | M59A      | Z                            | -8.742                     | 0                 | %100            |
| 63           | M82       | X                            | 5.047                      | 0                 | %100            |
| 64           | M82       | Z                            | -8.742                     | 0                 | %100            |
| 65           | M83A      | X                            | 5.047                      | 0                 | %100            |
| 66           | M83A      | Z                            | -8.742                     | 0                 | %100            |
| 67           | M1        | X                            | 5.219                      | 0                 | %100            |
| 68           | M1        | Z                            | -9.039                     | 0                 | %100            |
| 69           | M82A      | X                            | 5.219                      | 0                 | %100            |
| 70           | M82A      | Z                            | -9.039                     | 0                 | %100            |
| 71           | M91B      | X                            | 0                          | 0                 | %100            |
| 72           | M91B      | Z                            | 0                          | 0                 | %100            |
| 73           | M76       | X                            | 3.03                       | 0                 | %100            |
| 74           | M76       | Z                            | -5.248                     | 0                 | %100            |
| 75           | M77       | X                            | 9.257                      | 0                 | %100            |
| 76           | M77       | Z                            | -16.034                    | 0                 | %100            |
| 77           | M84       | X                            | 3.03                       | 0                 | %100            |
| 78           | M84       | Z                            | -5.248                     | 0                 | %100            |
| 79           | M85       | X                            | 0                          | 0                 | %100            |
| 80           | M85       | Z                            | 0                          | 0                 | %100            |
| 81           | M63       | X                            | 3.03                       | 0                 | %100            |
| 82           | M63       | Z                            | -5.248                     | 0                 | %100            |
| 83           | M64       | X                            | 0                          | 0                 | %100            |
| 84           | M64       | Z                            | 0                          | 0                 | %100            |
| 85           | M68       | X                            | 3.03                       | 0                 | %100            |
| 86           | M68       | Z                            | -5.248                     | 0                 | %100            |
| 87           | M69       | X                            | 9.257                      | 0                 | %100            |
| 88           | M69       | Z                            | -16.034                    | 0                 | %100            |
| 89           | M87       | X                            | 12.119                     | 0                 | %100            |
| 90           | M87       | Z                            | -20.991                    | 0                 | %100            |
| 91           | M88A      | X                            | 9.257                      | 0                 | %100            |
| 92           | M88A      | Z                            | -16.034                    | 0                 | %100            |
| 93           | M92A      | X                            | 12.119                     | 0                 | %100            |
| 94           | M92A      | Z                            | -20.991                    | 0                 | %100            |
| 95           | M93       | X                            | 9.257                      | 0                 | %100            |
| 96           | M93       | Z                            | -16.034                    | 0                 | %100            |



Company :  
 Designer :  
 Job Number :  
 Model Name :

Nov 15, 2023  
 11:03 AM  
 Checked By: \_\_\_\_\_

**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[f...] | End Location[ft...] |
|-----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 97  | M46          | X         | 9.089                        | 9.089                      | 0                    | %100                |
| 98  | M46          | Z         | -15.743                      | -15.743                    | 0                    | %100                |
| 99  | M80          | X         | 9.751                        | 9.751                      | 0                    | %100                |
| 100 | M80          | Z         | -16.889                      | -16.889                    | 0                    | %100                |
| 101 | M91          | X         | 0                            | 0                          | 0                    | %100                |
| 102 | M91          | Z         | 0                            | 0                          | 0                    | %100                |
| 103 | M55          | X         | 9.089                        | 9.089                      | 0                    | %100                |
| 104 | M55          | Z         | -15.743                      | -15.743                    | 0                    | %100                |
| 105 | M66          | X         | 0                            | 0                          | 0                    | %100                |
| 106 | M66          | Z         | 0                            | 0                          | 0                    | %100                |
| 107 | M71          | X         | 9.751                        | 9.751                      | 0                    | %100                |
| 108 | M71          | Z         | -16.889                      | -16.889                    | 0                    | %100                |
| 109 | M79A         | X         | 0                            | 0                          | 0                    | %100                |
| 110 | M79A         | Z         | 0                            | 0                          | 0                    | %100                |
| 111 | M90          | X         | 9.751                        | 9.751                      | 0                    | %100                |
| 112 | M90          | Z         | -16.889                      | -16.889                    | 0                    | %100                |
| 113 | M95          | X         | 9.751                        | 9.751                      | 0                    | %100                |
| 114 | M95          | Z         | -16.889                      | -16.889                    | 0                    | %100                |
| 115 | OVP1         | X         | 3.923                        | 3.923                      | 0                    | %100                |
| 116 | OVP1         | Z         | -6.794                       | -6.794                     | 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[f...] | End Location[ft...] |
|----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 1  | M121         | X         | 9.198                        | 9.198                      | 0                    | %100                |
| 2  | M121         | Z         | -5.31                        | -5.31                      | 0                    | %100                |
| 3  | M122         | X         | 2.299                        | 2.299                      | 0                    | %100                |
| 4  | M122         | Z         | -1.328                       | -1.328                     | 0                    | %100                |
| 5  | M123         | X         | 2.299                        | 2.299                      | 0                    | %100                |
| 6  | M123         | Z         | -1.328                       | -1.328                     | 0                    | %100                |
| 7  | M100         | X         | 2.077                        | 2.077                      | 0                    | %100                |
| 8  | M100         | Z         | -1.199                       | -1.199                     | 0                    | %100                |
| 9  | M105         | X         | 8.309                        | 8.309                      | 0                    | %100                |
| 10 | M105         | Z         | -4.797                       | -4.797                     | 0                    | %100                |
| 11 | M106         | X         | 2.077                        | 2.077                      | 0                    | %100                |
| 12 | M106         | Z         | -1.199                       | -1.199                     | 0                    | %100                |
| 13 | M4           | X         | 9.328                        | 9.328                      | 0                    | %100                |
| 14 | M4           | Z         | -5.385                       | -5.385                     | 0                    | %100                |
| 15 | M52A         | X         | 0                            | 0                          | 0                    | %100                |
| 16 | M52A         | Z         | 0                            | 0                          | 0                    | %100                |
| 17 | M76A         | X         | 9.328                        | 9.328                      | 0                    | %100                |
| 18 | M76A         | Z         | -5.385                       | -5.385                     | 0                    | %100                |
| 19 | M10          | X         | 2.631                        | 2.631                      | 0                    | %100                |
| 20 | M10          | Z         | -1.519                       | -1.519                     | 0                    | %100                |
| 21 | M43          | X         | 2.631                        | 2.631                      | 0                    | %100                |
| 22 | M43          | Z         | -1.519                       | -1.519                     | 0                    | %100                |
| 23 | M53          | X         | 10.524                       | 10.524                     | 0                    | %100                |
| 24 | M53          | Z         | -6.076                       | -6.076                     | 0                    | %100                |
| 25 | M54          | X         | 10.524                       | 10.524                     | 0                    | %100                |
| 26 | M54          | Z         | -6.076                       | -6.076                     | 0                    | %100                |
| 27 | M77A         | X         | 2.631                        | 2.631                      | 0                    | %100                |
| 28 | M77A         | Z         | -1.519                       | -1.519                     | 0                    | %100                |
| 29 | M78          | X         | 2.631                        | 2.631                      | 0                    | %100                |
| 30 | M78          | Z         | -1.519                       | -1.519                     | 0                    | %100                |
| 31 | MP3A         | X         | 8.309                        | 8.309                      | 0                    | %100                |
| 32 | MP3A         | Z         | -4.797                       | -4.797                     | 0                    | %100                |
| 33 | MP4A         | X         | 8.309                        | 8.309                      | 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[f.. | End Location[ft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 34           | MP4A      | Z                            | -4.797                     | 0                  | %100              |
| 35           | MP2A      | X                            | 8.309                      | 0                  | %100              |
| 36           | MP2A      | Z                            | -4.797                     | 0                  | %100              |
| 37           | MP1A      | X                            | 8.309                      | 0                  | %100              |
| 38           | MP1A      | Z                            | -4.797                     | 0                  | %100              |
| 39           | MP3C      | X                            | 8.309                      | 0                  | %100              |
| 40           | MP3C      | Z                            | -4.797                     | 0                  | %100              |
| 41           | MP4C      | X                            | 8.309                      | 0                  | %100              |
| 42           | MP4C      | Z                            | -4.797                     | 0                  | %100              |
| 43           | MP2C      | X                            | 8.309                      | 0                  | %100              |
| 44           | MP2C      | Z                            | -4.797                     | 0                  | %100              |
| 45           | MP1C      | X                            | 8.309                      | 0                  | %100              |
| 46           | MP1C      | Z                            | -4.797                     | 0                  | %100              |
| 47           | MP3B      | X                            | 8.309                      | 0                  | %100              |
| 48           | MP3B      | Z                            | -4.797                     | 0                  | %100              |
| 49           | MP4B      | X                            | 8.309                      | 0                  | %100              |
| 50           | MP4B      | Z                            | -4.797                     | 0                  | %100              |
| 51           | MP2B      | X                            | 8.309                      | 0                  | %100              |
| 52           | MP2B      | Z                            | -4.797                     | 0                  | %100              |
| 53           | MP1B      | X                            | 8.309                      | 0                  | %100              |
| 54           | MP1B      | Z                            | -4.797                     | 0                  | %100              |
| 55           | M51B      | X                            | 11.656                     | 0                  | %100              |
| 56           | M51B      | Z                            | -6.729                     | 0                  | %100              |
| 57           | M52B      | X                            | 2.914                      | 0                  | %100              |
| 58           | M52B      | Z                            | -1.682                     | 0                  | %100              |
| 59           | M58A      | X                            | 2.914                      | 0                  | %100              |
| 60           | M58A      | Z                            | -1.682                     | 0                  | %100              |
| 61           | M59A      | X                            | 2.914                      | 0                  | %100              |
| 62           | M59A      | Z                            | -1.682                     | 0                  | %100              |
| 63           | M82       | X                            | 2.914                      | 0                  | %100              |
| 64           | M82       | Z                            | -1.682                     | 0                  | %100              |
| 65           | M83A      | X                            | 11.656                     | 0                  | %100              |
| 66           | M83A      | Z                            | -6.729                     | 0                  | %100              |
| 67           | M1        | X                            | 3.013                      | 0                  | %100              |
| 68           | M1        | Z                            | -1.74                      | 0                  | %100              |
| 69           | M82A      | X                            | 12.052                     | 0                  | %100              |
| 70           | M82A      | Z                            | -6.958                     | 0                  | %100              |
| 71           | M91B      | X                            | 3.013                      | 0                  | %100              |
| 72           | M91B      | Z                            | -1.74                      | 0                  | %100              |
| 73           | M76       | X                            | 15.743                     | 0                  | %100              |
| 74           | M76       | Z                            | -9.089                     | 0                  | %100              |
| 75           | M77       | X                            | 21.379                     | 0                  | %100              |
| 76           | M77       | Z                            | -12.343                    | 0                  | %100              |
| 77           | M84       | X                            | 15.743                     | 0                  | %100              |
| 78           | M84       | Z                            | -9.089                     | 0                  | %100              |
| 79           | M85       | X                            | 5.345                      | 0                  | %100              |
| 80           | M85       | Z                            | -3.086                     | 0                  | %100              |
| 81           | M63       | X                            | 0                          | 0                  | %100              |
| 82           | M63       | Z                            | 0                          | 0                  | %100              |
| 83           | M64       | X                            | 5.345                      | 0                  | %100              |
| 84           | M64       | Z                            | -3.086                     | 0                  | %100              |
| 85           | M68       | X                            | 0                          | 0                  | %100              |
| 86           | M68       | Z                            | 0                          | 0                  | %100              |
| 87           | M69       | X                            | 5.345                      | 0                  | %100              |
| 88           | M69       | Z                            | -3.086                     | 0                  | %100              |
| 89           | M87       | X                            | 15.743                     | 0                  | %100              |
| 90           | M87       | Z                            | -9.089                     | 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[f...] | End Location[ft...] |
|-----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 91  | M88A         | X         | 5.345                        | 5.345                      | 0                    | %100                |
| 92  | M88A         | Z         | -3.086                       | -3.086                     | 0                    | %100                |
| 93  | M92A         | X         | 15.743                       | 15.743                     | 0                    | %100                |
| 94  | M92A         | Z         | -9.089                       | -9.089                     | 0                    | %100                |
| 95  | M93          | X         | 21.379                       | 21.379                     | 0                    | %100                |
| 96  | M93          | Z         | -12.343                      | -12.343                    | 0                    | %100                |
| 97  | M46          | X         | 5.248                        | 5.248                      | 0                    | %100                |
| 98  | M46          | Z         | -3.03                        | -3.03                      | 0                    | %100                |
| 99  | M80          | X         | 22.518                       | 22.518                     | 0                    | %100                |
| 100 | M80          | Z         | -13.001                      | -13.001                    | 0                    | %100                |
| 101 | M91          | X         | 5.63                         | 5.63                       | 0                    | %100                |
| 102 | M91          | Z         | -3.25                        | -3.25                      | 0                    | %100                |
| 103 | M55          | X         | 20.991                       | 20.991                     | 0                    | %100                |
| 104 | M55          | Z         | -12.119                      | -12.119                    | 0                    | %100                |
| 105 | M66          | X         | 5.63                         | 5.63                       | 0                    | %100                |
| 106 | M66          | Z         | -3.25                        | -3.25                      | 0                    | %100                |
| 107 | M71          | X         | 5.63                         | 5.63                       | 0                    | %100                |
| 108 | M71          | Z         | -3.25                        | -3.25                      | 0                    | %100                |
| 109 | M79A         | X         | 5.248                        | 5.248                      | 0                    | %100                |
| 110 | M79A         | Z         | -3.03                        | -3.03                      | 0                    | %100                |
| 111 | M90          | X         | 5.63                         | 5.63                       | 0                    | %100                |
| 112 | M90          | Z         | -3.25                        | -3.25                      | 0                    | %100                |
| 113 | M95          | X         | 22.518                       | 22.518                     | 0                    | %100                |
| 114 | M95          | Z         | -13.001                      | -13.001                    | 0                    | %100                |
| 115 | OVP1         | X         | 6.794                        | 6.794                      | 0                    | %100                |
| 116 | OVP1         | Z         | -3.923                       | -3.923                     | 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[f...] | End Location[ft...] |
|----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 1  | M121         | X         | 7.965                        | 7.965                      | 0                    | %100                |
| 2  | M121         | Z         | 0                            | 0                          | 0                    | %100                |
| 3  | M122         | X         | 0                            | 0                          | 0                    | %100                |
| 4  | M122         | Z         | 0                            | 0                          | 0                    | %100                |
| 5  | M123         | X         | 7.965                        | 7.965                      | 0                    | %100                |
| 6  | M123         | Z         | 0                            | 0                          | 0                    | %100                |
| 7  | M100         | X         | 0                            | 0                          | 0                    | %100                |
| 8  | M100         | Z         | 0                            | 0                          | 0                    | %100                |
| 9  | M105         | X         | 7.196                        | 7.196                      | 0                    | %100                |
| 10 | M105         | Z         | 0                            | 0                          | 0                    | %100                |
| 11 | M106         | X         | 7.196                        | 7.196                      | 0                    | %100                |
| 12 | M106         | Z         | 0                            | 0                          | 0                    | %100                |
| 13 | M4           | X         | 14.361                       | 14.361                     | 0                    | %100                |
| 14 | M4           | Z         | 0                            | 0                          | 0                    | %100                |
| 15 | M52A         | X         | 3.59                         | 3.59                       | 0                    | %100                |
| 16 | M52A         | Z         | 0                            | 0                          | 0                    | %100                |
| 17 | M76A         | X         | 3.59                         | 3.59                       | 0                    | %100                |
| 18 | M76A         | Z         | 0                            | 0                          | 0                    | %100                |
| 19 | M10          | X         | 0                            | 0                          | 0                    | %100                |
| 20 | M10          | Z         | 0                            | 0                          | 0                    | %100                |
| 21 | M43          | X         | 0                            | 0                          | 0                    | %100                |
| 22 | M43          | Z         | 0                            | 0                          | 0                    | %100                |
| 23 | M53          | X         | 9.114                        | 9.114                      | 0                    | %100                |
| 24 | M53          | Z         | 0                            | 0                          | 0                    | %100                |
| 25 | M54          | X         | 9.114                        | 9.114                      | 0                    | %100                |
| 26 | M54          | Z         | 0                            | 0                          | 0                    | %100                |
| 27 | M77A         | X         | 9.114                        | 9.114                      | 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[f.. | End Location[f.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|------------------|
| 28           | M77A      | Z                            | 0                          | 0                  | %100             |
| 29           | M78       | X                            | 9.114                      | 9.114              | %100             |
| 30           | M78       | Z                            | 0                          | 0                  | %100             |
| 31           | MP3A      | X                            | 9.594                      | 9.594              | %100             |
| 32           | MP3A      | Z                            | 0                          | 0                  | %100             |
| 33           | MP4A      | X                            | 9.594                      | 9.594              | %100             |
| 34           | MP4A      | Z                            | 0                          | 0                  | %100             |
| 35           | MP2A      | X                            | 9.594                      | 9.594              | %100             |
| 36           | MP2A      | Z                            | 0                          | 0                  | %100             |
| 37           | MP1A      | X                            | 9.594                      | 9.594              | %100             |
| 38           | MP1A      | Z                            | 0                          | 0                  | %100             |
| 39           | MP3C      | X                            | 9.594                      | 9.594              | %100             |
| 40           | MP3C      | Z                            | 0                          | 0                  | %100             |
| 41           | MP4C      | X                            | 9.594                      | 9.594              | %100             |
| 42           | MP4C      | Z                            | 0                          | 0                  | %100             |
| 43           | MP2C      | X                            | 9.594                      | 9.594              | %100             |
| 44           | MP2C      | Z                            | 0                          | 0                  | %100             |
| 45           | MP1C      | X                            | 9.594                      | 9.594              | %100             |
| 46           | MP1C      | Z                            | 0                          | 0                  | %100             |
| 47           | MP3B      | X                            | 9.594                      | 9.594              | %100             |
| 48           | MP3B      | Z                            | 0                          | 0                  | %100             |
| 49           | MP4B      | X                            | 9.594                      | 9.594              | %100             |
| 50           | MP4B      | Z                            | 0                          | 0                  | %100             |
| 51           | MP2B      | X                            | 9.594                      | 9.594              | %100             |
| 52           | MP2B      | Z                            | 0                          | 0                  | %100             |
| 53           | MP1B      | X                            | 9.594                      | 9.594              | %100             |
| 54           | MP1B      | Z                            | 0                          | 0                  | %100             |
| 55           | M51B      | X                            | 10.094                     | 10.094             | %100             |
| 56           | M51B      | Z                            | 0                          | 0                  | %100             |
| 57           | M52B      | X                            | 10.094                     | 10.094             | %100             |
| 58           | M52B      | Z                            | 0                          | 0                  | %100             |
| 59           | M58A      | X                            | 10.094                     | 10.094             | %100             |
| 60           | M58A      | Z                            | 0                          | 0                  | %100             |
| 61           | M59A      | X                            | 0                          | 0                  | %100             |
| 62           | M59A      | Z                            | 0                          | 0                  | %100             |
| 63           | M82       | X                            | 0                          | 0                  | %100             |
| 64           | M82       | Z                            | 0                          | 0                  | %100             |
| 65           | M83A      | X                            | 10.094                     | 10.094             | %100             |
| 66           | M83A      | Z                            | 0                          | 0                  | %100             |
| 67           | M1        | X                            | 0                          | 0                  | %100             |
| 68           | M1        | Z                            | 0                          | 0                  | %100             |
| 69           | M82A      | X                            | 10.437                     | 10.437             | %100             |
| 70           | M82A      | Z                            | 0                          | 0                  | %100             |
| 71           | M91B      | X                            | 10.437                     | 10.437             | %100             |
| 72           | M91B      | Z                            | 0                          | 0                  | %100             |
| 73           | M76       | X                            | 24.238                     | 24.238             | %100             |
| 74           | M76       | Z                            | 0                          | 0                  | %100             |
| 75           | M77       | X                            | 18.515                     | 18.515             | %100             |
| 76           | M77       | Z                            | 0                          | 0                  | %100             |
| 77           | M84       | X                            | 24.238                     | 24.238             | %100             |
| 78           | M84       | Z                            | 0                          | 0                  | %100             |
| 79           | M85       | X                            | 18.515                     | 18.515             | %100             |
| 80           | M85       | Z                            | 0                          | 0                  | %100             |
| 81           | M63       | X                            | 6.059                      | 6.059              | %100             |
| 82           | M63       | Z                            | 0                          | 0                  | %100             |
| 83           | M64       | X                            | 18.515                     | 18.515             | %100             |
| 84           | M64       | Z                            | 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[f...] | End Location[f...] |
|-----|--------------|-----------|------------------------------|----------------------------|----------------------|--------------------|
| 85  | M68          | X         | 6.059                        | 6.059                      | 0                    | %100               |
| 86  | M68          | Z         | 0                            | 0                          | 0                    | %100               |
| 87  | M69          | X         | 0                            | 0                          | 0                    | %100               |
| 88  | M69          | Z         | 0                            | 0                          | 0                    | %100               |
| 89  | M87          | X         | 6.059                        | 6.059                      | 0                    | %100               |
| 90  | M87          | Z         | 0                            | 0                          | 0                    | %100               |
| 91  | M88A         | X         | 0                            | 0                          | 0                    | %100               |
| 92  | M88A         | Z         | 0                            | 0                          | 0                    | %100               |
| 93  | M92A         | X         | 6.059                        | 6.059                      | 0                    | %100               |
| 94  | M92A         | Z         | 0                            | 0                          | 0                    | %100               |
| 95  | M93          | X         | 18.515                       | 18.515                     | 0                    | %100               |
| 96  | M93          | Z         | 0                            | 0                          | 0                    | %100               |
| 97  | M46          | X         | 0                            | 0                          | 0                    | %100               |
| 98  | M46          | Z         | 0                            | 0                          | 0                    | %100               |
| 99  | M80          | X         | 19.501                       | 19.501                     | 0                    | %100               |
| 100 | M80          | Z         | 0                            | 0                          | 0                    | %100               |
| 101 | M91          | X         | 19.501                       | 19.501                     | 0                    | %100               |
| 102 | M91          | Z         | 0                            | 0                          | 0                    | %100               |
| 103 | M55          | X         | 18.178                       | 18.178                     | 0                    | %100               |
| 104 | M55          | Z         | 0                            | 0                          | 0                    | %100               |
| 105 | M66          | X         | 19.501                       | 19.501                     | 0                    | %100               |
| 106 | M66          | Z         | 0                            | 0                          | 0                    | %100               |
| 107 | M71          | X         | 0                            | 0                          | 0                    | %100               |
| 108 | M71          | Z         | 0                            | 0                          | 0                    | %100               |
| 109 | M79A         | X         | 18.178                       | 18.178                     | 0                    | %100               |
| 110 | M79A         | Z         | 0                            | 0                          | 0                    | %100               |
| 111 | M90          | X         | 0                            | 0                          | 0                    | %100               |
| 112 | M90          | Z         | 0                            | 0                          | 0                    | %100               |
| 113 | M95          | X         | 19.501                       | 19.501                     | 0                    | %100               |
| 114 | M95          | Z         | 0                            | 0                          | 0                    | %100               |
| 115 | OVP1         | X         | 7.845                        | 7.845                      | 0                    | %100               |
| 116 | OVP1         | 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[f...] | End Location[f...] |
|----|--------------|-----------|------------------------------|----------------------------|----------------------|--------------------|
| 1  | M121         | X         | 2.299                        | 2.299                      | 0                    | %100               |
| 2  | M121         | Z         | 1.328                        | 1.328                      | 0                    | %100               |
| 3  | M122         | X         | 2.299                        | 2.299                      | 0                    | %100               |
| 4  | M122         | Z         | 1.328                        | 1.328                      | 0                    | %100               |
| 5  | M123         | X         | 9.198                        | 9.198                      | 0                    | %100               |
| 6  | M123         | Z         | 5.31                         | 5.31                       | 0                    | %100               |
| 7  | M100         | X         | 2.077                        | 2.077                      | 0                    | %100               |
| 8  | M100         | Z         | 1.199                        | 1.199                      | 0                    | %100               |
| 9  | M105         | X         | 2.077                        | 2.077                      | 0                    | %100               |
| 10 | M105         | Z         | 1.199                        | 1.199                      | 0                    | %100               |
| 11 | M106         | X         | 8.309                        | 8.309                      | 0                    | %100               |
| 12 | M106         | Z         | 4.797                        | 4.797                      | 0                    | %100               |
| 13 | M4           | X         | 9.328                        | 9.328                      | 0                    | %100               |
| 14 | M4           | Z         | 5.385                        | 5.385                      | 0                    | %100               |
| 15 | M52A         | X         | 9.328                        | 9.328                      | 0                    | %100               |
| 16 | M52A         | Z         | 5.385                        | 5.385                      | 0                    | %100               |
| 17 | M76A         | X         | 0                            | 0                          | 0                    | %100               |
| 18 | M76A         | Z         | 0                            | 0                          | 0                    | %100               |
| 19 | M10          | X         | 2.631                        | 2.631                      | 0                    | %100               |
| 20 | M10          | Z         | 1.519                        | 1.519                      | 0                    | %100               |
| 21 | M43          | X         | 2.631                        | 2.631                      | 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 Locationf... | End Locationft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|------------------|
| 22           | M43       | Z                            | 1.519                      | 0                  | %100             |
| 23           | M53       | X                            | 2.631                      | 0                  | %100             |
| 24           | M53       | Z                            | 1.519                      | 0                  | %100             |
| 25           | M54       | X                            | 2.631                      | 0                  | %100             |
| 26           | M54       | Z                            | 1.519                      | 0                  | %100             |
| 27           | M77A      | X                            | 10.524                     | 0                  | %100             |
| 28           | M77A      | Z                            | 6.076                      | 0                  | %100             |
| 29           | M78       | X                            | 10.524                     | 0                  | %100             |
| 30           | M78       | Z                            | 6.076                      | 0                  | %100             |
| 31           | MP3A      | X                            | 8.309                      | 0                  | %100             |
| 32           | MP3A      | Z                            | 4.797                      | 0                  | %100             |
| 33           | MP4A      | X                            | 8.309                      | 0                  | %100             |
| 34           | MP4A      | Z                            | 4.797                      | 0                  | %100             |
| 35           | MP2A      | X                            | 8.309                      | 0                  | %100             |
| 36           | MP2A      | Z                            | 4.797                      | 0                  | %100             |
| 37           | MP1A      | X                            | 8.309                      | 0                  | %100             |
| 38           | MP1A      | Z                            | 4.797                      | 0                  | %100             |
| 39           | MP3C      | X                            | 8.309                      | 0                  | %100             |
| 40           | MP3C      | Z                            | 4.797                      | 0                  | %100             |
| 41           | MP4C      | X                            | 8.309                      | 0                  | %100             |
| 42           | MP4C      | Z                            | 4.797                      | 0                  | %100             |
| 43           | MP2C      | X                            | 8.309                      | 0                  | %100             |
| 44           | MP2C      | Z                            | 4.797                      | 0                  | %100             |
| 45           | MP1C      | X                            | 8.309                      | 0                  | %100             |
| 46           | MP1C      | Z                            | 4.797                      | 0                  | %100             |
| 47           | MP3B      | X                            | 8.309                      | 0                  | %100             |
| 48           | MP3B      | Z                            | 4.797                      | 0                  | %100             |
| 49           | MP4B      | X                            | 8.309                      | 0                  | %100             |
| 50           | MP4B      | Z                            | 4.797                      | 0                  | %100             |
| 51           | MP2B      | X                            | 8.309                      | 0                  | %100             |
| 52           | MP2B      | Z                            | 4.797                      | 0                  | %100             |
| 53           | MP1B      | X                            | 8.309                      | 0                  | %100             |
| 54           | MP1B      | Z                            | 4.797                      | 0                  | %100             |
| 55           | M51B      | X                            | 2.914                      | 0                  | %100             |
| 56           | M51B      | Z                            | 1.682                      | 0                  | %100             |
| 57           | M52B      | X                            | 11.656                     | 0                  | %100             |
| 58           | M52B      | Z                            | 6.729                      | 0                  | %100             |
| 59           | M58A      | X                            | 11.656                     | 0                  | %100             |
| 60           | M58A      | Z                            | 6.729                      | 0                  | %100             |
| 61           | M59A      | X                            | 2.914                      | 0                  | %100             |
| 62           | M59A      | Z                            | 1.682                      | 0                  | %100             |
| 63           | M82       | X                            | 2.914                      | 0                  | %100             |
| 64           | M82       | Z                            | 1.682                      | 0                  | %100             |
| 65           | M83A      | X                            | 2.914                      | 0                  | %100             |
| 66           | M83A      | Z                            | 1.682                      | 0                  | %100             |
| 67           | M1        | X                            | 3.013                      | 0                  | %100             |
| 68           | M1        | Z                            | 1.74                       | 0                  | %100             |
| 69           | M82A      | X                            | 3.013                      | 0                  | %100             |
| 70           | M82A      | Z                            | 1.74                       | 0                  | %100             |
| 71           | M91B      | X                            | 12.052                     | 0                  | %100             |
| 72           | M91B      | Z                            | 6.958                      | 0                  | %100             |
| 73           | M76       | X                            | 15.743                     | 0                  | %100             |
| 74           | M76       | Z                            | 9.089                      | 0                  | %100             |
| 75           | M77       | X                            | 5.345                      | 0                  | %100             |
| 76           | M77       | Z                            | 3.086                      | 0                  | %100             |
| 77           | M84       | X                            | 15.743                     | 0                  | %100             |
| 78           | M84       | Z                            | 9.089                      | 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[f.. | End Location[ft.. |
|-----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 79  | M85          | X         | 21.379                       | 21.379                     | 0                  | %100              |
| 80  | M85          | Z         | 12.343                       | 12.343                     | 0                  | %100              |
| 81  | M63          | X         | 15.743                       | 15.743                     | 0                  | %100              |
| 82  | M63          | Z         | 9.089                        | 9.089                      | 0                  | %100              |
| 83  | M64          | X         | 21.379                       | 21.379                     | 0                  | %100              |
| 84  | M64          | Z         | 12.343                       | 12.343                     | 0                  | %100              |
| 85  | M68          | X         | 15.743                       | 15.743                     | 0                  | %100              |
| 86  | M68          | Z         | 9.089                        | 9.089                      | 0                  | %100              |
| 87  | M69          | X         | 5.345                        | 5.345                      | 0                  | %100              |
| 88  | M69          | Z         | 3.086                        | 3.086                      | 0                  | %100              |
| 89  | M87          | X         | 0                            | 0                          | 0                  | %100              |
| 90  | M87          | Z         | 0                            | 0                          | 0                  | %100              |
| 91  | M88A         | X         | 5.345                        | 5.345                      | 0                  | %100              |
| 92  | M88A         | Z         | 3.086                        | 3.086                      | 0                  | %100              |
| 93  | M92A         | X         | 0                            | 0                          | 0                  | %100              |
| 94  | M92A         | Z         | 0                            | 0                          | 0                  | %100              |
| 95  | M93          | X         | 5.345                        | 5.345                      | 0                  | %100              |
| 96  | M93          | Z         | 3.086                        | 3.086                      | 0                  | %100              |
| 97  | M46          | X         | 5.248                        | 5.248                      | 0                  | %100              |
| 98  | M46          | Z         | 3.03                         | 3.03                       | 0                  | %100              |
| 99  | M80          | X         | 5.63                         | 5.63                       | 0                  | %100              |
| 100 | M80          | Z         | 3.25                         | 3.25                       | 0                  | %100              |
| 101 | M91          | X         | 22.518                       | 22.518                     | 0                  | %100              |
| 102 | M91          | Z         | 13.001                       | 13.001                     | 0                  | %100              |
| 103 | M55          | X         | 5.248                        | 5.248                      | 0                  | %100              |
| 104 | M55          | Z         | 3.03                         | 3.03                       | 0                  | %100              |
| 105 | M66          | X         | 22.518                       | 22.518                     | 0                  | %100              |
| 106 | M66          | Z         | 13.001                       | 13.001                     | 0                  | %100              |
| 107 | M71          | X         | 5.63                         | 5.63                       | 0                  | %100              |
| 108 | M71          | Z         | 3.25                         | 3.25                       | 0                  | %100              |
| 109 | M79A         | X         | 20.991                       | 20.991                     | 0                  | %100              |
| 110 | M79A         | Z         | 12.119                       | 12.119                     | 0                  | %100              |
| 111 | M90          | X         | 5.63                         | 5.63                       | 0                  | %100              |
| 112 | M90          | Z         | 3.25                         | 3.25                       | 0                  | %100              |
| 113 | M95          | X         | 5.63                         | 5.63                       | 0                  | %100              |
| 114 | M95          | Z         | 3.25                         | 3.25                       | 0                  | %100              |
| 115 | OVP1         | X         | 6.794                        | 6.794                      | 0                  | %100              |
| 116 | OVP1         | Z         | 3.923                        | 3.923                      | 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[f.. | End Location[ft.. |
|----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 1  | M121         | X         | 0                            | 0                          | 0                  | %100              |
| 2  | M121         | Z         | 0                            | 0                          | 0                  | %100              |
| 3  | M122         | X         | 3.983                        | 3.983                      | 0                  | %100              |
| 4  | M122         | Z         | 6.898                        | 6.898                      | 0                  | %100              |
| 5  | M123         | X         | 3.983                        | 3.983                      | 0                  | %100              |
| 6  | M123         | Z         | 6.898                        | 6.898                      | 0                  | %100              |
| 7  | M100         | X         | 3.598                        | 3.598                      | 0                  | %100              |
| 8  | M100         | Z         | 6.232                        | 6.232                      | 0                  | %100              |
| 9  | M105         | X         | 0                            | 0                          | 0                  | %100              |
| 10 | M105         | Z         | 0                            | 0                          | 0                  | %100              |
| 11 | M106         | X         | 3.598                        | 3.598                      | 0                  | %100              |
| 12 | M106         | Z         | 6.232                        | 6.232                      | 0                  | %100              |
| 13 | M4           | X         | 1.795                        | 1.795                      | 0                  | %100              |
| 14 | M4           | Z         | 3.109                        | 3.109                      | 0                  | %100              |
| 15 | M52A         | X         | 7.18                         | 7.18                       | 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 Locationf.. | End Locationft.. |
|--------------|-----------|------------------------------|----------------------------|-------------------|------------------|
| 16           | M52A      | Z                            | 12.437                     | 0                 | %100             |
| 17           | M76A      | X                            | 1.795                      | 0                 | %100             |
| 18           | M76A      | Z                            | 3.109                      | 0                 | %100             |
| 19           | M10       | X                            | 4.557                      | 0                 | %100             |
| 20           | M10       | Z                            | 7.893                      | 0                 | %100             |
| 21           | M43       | X                            | 4.557                      | 0                 | %100             |
| 22           | M43       | Z                            | 7.893                      | 0                 | %100             |
| 23           | M53       | X                            | 0                          | 0                 | %100             |
| 24           | M53       | Z                            | 0                          | 0                 | %100             |
| 25           | M54       | X                            | 0                          | 0                 | %100             |
| 26           | M54       | Z                            | 0                          | 0                 | %100             |
| 27           | M77A      | X                            | 4.557                      | 0                 | %100             |
| 28           | M77A      | Z                            | 7.893                      | 0                 | %100             |
| 29           | M78       | X                            | 4.557                      | 0                 | %100             |
| 30           | M78       | Z                            | 7.893                      | 0                 | %100             |
| 31           | MP3A      | X                            | 4.797                      | 0                 | %100             |
| 32           | MP3A      | Z                            | 8.309                      | 0                 | %100             |
| 33           | MP4A      | X                            | 4.797                      | 0                 | %100             |
| 34           | MP4A      | Z                            | 8.309                      | 0                 | %100             |
| 35           | MP2A      | X                            | 4.797                      | 0                 | %100             |
| 36           | MP2A      | Z                            | 8.309                      | 0                 | %100             |
| 37           | MP1A      | X                            | 4.797                      | 0                 | %100             |
| 38           | MP1A      | Z                            | 8.309                      | 0                 | %100             |
| 39           | MP3C      | X                            | 4.797                      | 0                 | %100             |
| 40           | MP3C      | Z                            | 8.309                      | 0                 | %100             |
| 41           | MP4C      | X                            | 4.797                      | 0                 | %100             |
| 42           | MP4C      | Z                            | 8.309                      | 0                 | %100             |
| 43           | MP2C      | X                            | 4.797                      | 0                 | %100             |
| 44           | MP2C      | Z                            | 8.309                      | 0                 | %100             |
| 45           | MP1C      | X                            | 4.797                      | 0                 | %100             |
| 46           | MP1C      | Z                            | 8.309                      | 0                 | %100             |
| 47           | MP3B      | X                            | 4.797                      | 0                 | %100             |
| 48           | MP3B      | Z                            | 8.309                      | 0                 | %100             |
| 49           | MP4B      | X                            | 4.797                      | 0                 | %100             |
| 50           | MP4B      | Z                            | 8.309                      | 0                 | %100             |
| 51           | MP2B      | X                            | 4.797                      | 0                 | %100             |
| 52           | MP2B      | Z                            | 8.309                      | 0                 | %100             |
| 53           | MP1B      | X                            | 4.797                      | 0                 | %100             |
| 54           | MP1B      | Z                            | 8.309                      | 0                 | %100             |
| 55           | M51B      | X                            | 0                          | 0                 | %100             |
| 56           | M51B      | Z                            | 0                          | 0                 | %100             |
| 57           | M52B      | X                            | 5.047                      | 0                 | %100             |
| 58           | M52B      | Z                            | 8.742                      | 0                 | %100             |
| 59           | M58A      | X                            | 5.047                      | 0                 | %100             |
| 60           | M58A      | Z                            | 8.742                      | 0                 | %100             |
| 61           | M59A      | X                            | 5.047                      | 0                 | %100             |
| 62           | M59A      | Z                            | 8.742                      | 0                 | %100             |
| 63           | M82       | X                            | 5.047                      | 0                 | %100             |
| 64           | M82       | Z                            | 8.742                      | 0                 | %100             |
| 65           | M83A      | X                            | 0                          | 0                 | %100             |
| 66           | M83A      | Z                            | 0                          | 0                 | %100             |
| 67           | M1        | X                            | 5.219                      | 0                 | %100             |
| 68           | M1        | Z                            | 9.039                      | 0                 | %100             |
| 69           | M82A      | X                            | 0                          | 0                 | %100             |
| 70           | M82A      | Z                            | 0                          | 0                 | %100             |
| 71           | M91B      | X                            | 5.219                      | 0                 | %100             |
| 72           | M91B      | Z                            | 9.039                      | 0                 | %100             |



Company :  
 Designer :  
 Job Number :  
 Model Name :

Nov 15, 2023  
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 Checked By: \_\_\_\_\_

**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[f.. | End Location[ft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 73           | M76       | X                            | 3.03                       | 0                  | %100              |
| 74           | M76       | Z                            | 5.248                      | 0                  | %100              |
| 75           | M77       | X                            | 0                          | 0                  | %100              |
| 76           | M77       | Z                            | 0                          | 0                  | %100              |
| 77           | M84       | X                            | 3.03                       | 0                  | %100              |
| 78           | M84       | Z                            | 5.248                      | 0                  | %100              |
| 79           | M85       | X                            | 9.257                      | 0                  | %100              |
| 80           | M85       | Z                            | 16.034                     | 0                  | %100              |
| 81           | M63       | X                            | 12.119                     | 0                  | %100              |
| 82           | M63       | Z                            | 20.991                     | 0                  | %100              |
| 83           | M64       | X                            | 9.257                      | 0                  | %100              |
| 84           | M64       | Z                            | 16.034                     | 0                  | %100              |
| 85           | M68       | X                            | 12.119                     | 0                  | %100              |
| 86           | M68       | Z                            | 20.991                     | 0                  | %100              |
| 87           | M69       | X                            | 9.257                      | 0                  | %100              |
| 88           | M69       | Z                            | 16.034                     | 0                  | %100              |
| 89           | M87       | X                            | 3.03                       | 0                  | %100              |
| 90           | M87       | Z                            | 5.248                      | 0                  | %100              |
| 91           | M88A      | X                            | 9.257                      | 0                  | %100              |
| 92           | M88A      | Z                            | 16.034                     | 0                  | %100              |
| 93           | M92A      | X                            | 3.03                       | 0                  | %100              |
| 94           | M92A      | Z                            | 5.248                      | 0                  | %100              |
| 95           | M93       | X                            | 0                          | 0                  | %100              |
| 96           | M93       | Z                            | 0                          | 0                  | %100              |
| 97           | M46       | X                            | 9.089                      | 0                  | %100              |
| 98           | M46       | Z                            | 15.743                     | 0                  | %100              |
| 99           | M80       | X                            | 0                          | 0                  | %100              |
| 100          | M80       | Z                            | 0                          | 0                  | %100              |
| 101          | M91       | X                            | 9.751                      | 0                  | %100              |
| 102          | M91       | Z                            | 16.889                     | 0                  | %100              |
| 103          | M55       | X                            | 0                          | 0                  | %100              |
| 104          | M55       | Z                            | 0                          | 0                  | %100              |
| 105          | M66       | X                            | 9.751                      | 0                  | %100              |
| 106          | M66       | Z                            | 16.889                     | 0                  | %100              |
| 107          | M71       | X                            | 9.751                      | 0                  | %100              |
| 108          | M71       | Z                            | 16.889                     | 0                  | %100              |
| 109          | M79A      | X                            | 9.089                      | 0                  | %100              |
| 110          | M79A      | Z                            | 15.743                     | 0                  | %100              |
| 111          | M90       | X                            | 9.751                      | 0                  | %100              |
| 112          | M90       | Z                            | 16.889                     | 0                  | %100              |
| 113          | M95       | X                            | 0                          | 0                  | %100              |
| 114          | M95       | Z                            | 0                          | 0                  | %100              |
| 115          | OVP1      | X                            | 3.923                      | 0                  | %100              |
| 116          | OVP1      | Z                            | 6.794                      | 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[f.. | End Location[ft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 1            | M121      | X                            | 0                          | 0                  | %100              |
| 2            | M121      | Z                            | 2.655                      | 0                  | %100              |
| 3            | M122      | X                            | 0                          | 0                  | %100              |
| 4            | M122      | Z                            | 10.621                     | 0                  | %100              |
| 5            | M123      | X                            | 0                          | 0                  | %100              |
| 6            | M123      | Z                            | 2.655                      | 0                  | %100              |
| 7            | M100      | X                            | 0                          | 0                  | %100              |
| 8            | M100      | Z                            | 9.594                      | 0                  | %100              |
| 9            | M105      | 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 Locationf. | End Locationft. |
|--------------|-----------|------------------------------|----------------------------|------------------|-----------------|
| 10           | M105      | Z                            | 2.399                      | 0                | %100            |
| 11           | M106      | X                            | 0                          | 0                | %100            |
| 12           | M106      | Z                            | 2.399                      | 0                | %100            |
| 13           | M4        | X                            | 0                          | 0                | %100            |
| 14           | M4        | Z                            | 0                          | 0                | %100            |
| 15           | M52A      | X                            | 0                          | 0                | %100            |
| 16           | M52A      | Z                            | 10.771                     | 0                | %100            |
| 17           | M76A      | X                            | 0                          | 0                | %100            |
| 18           | M76A      | Z                            | 10.771                     | 0                | %100            |
| 19           | M10       | X                            | 0                          | 0                | %100            |
| 20           | M10       | Z                            | 12.152                     | 0                | %100            |
| 21           | M43       | X                            | 0                          | 0                | %100            |
| 22           | M43       | Z                            | 12.152                     | 0                | %100            |
| 23           | M53       | X                            | 0                          | 0                | %100            |
| 24           | M53       | Z                            | 3.038                      | 0                | %100            |
| 25           | M54       | X                            | 0                          | 0                | %100            |
| 26           | M54       | Z                            | 3.038                      | 0                | %100            |
| 27           | M77A      | X                            | 0                          | 0                | %100            |
| 28           | M77A      | Z                            | 3.038                      | 0                | %100            |
| 29           | M78       | X                            | 0                          | 0                | %100            |
| 30           | M78       | Z                            | 3.038                      | 0                | %100            |
| 31           | MP3A      | X                            | 0                          | 0                | %100            |
| 32           | MP3A      | Z                            | 9.594                      | 0                | %100            |
| 33           | MP4A      | X                            | 0                          | 0                | %100            |
| 34           | MP4A      | Z                            | 9.594                      | 0                | %100            |
| 35           | MP2A      | X                            | 0                          | 0                | %100            |
| 36           | MP2A      | Z                            | 9.594                      | 0                | %100            |
| 37           | MP1A      | X                            | 0                          | 0                | %100            |
| 38           | MP1A      | Z                            | 9.594                      | 0                | %100            |
| 39           | MP3C      | X                            | 0                          | 0                | %100            |
| 40           | MP3C      | Z                            | 9.594                      | 0                | %100            |
| 41           | MP4C      | X                            | 0                          | 0                | %100            |
| 42           | MP4C      | Z                            | 9.594                      | 0                | %100            |
| 43           | MP2C      | X                            | 0                          | 0                | %100            |
| 44           | MP2C      | Z                            | 9.594                      | 0                | %100            |
| 45           | MP1C      | X                            | 0                          | 0                | %100            |
| 46           | MP1C      | Z                            | 9.594                      | 0                | %100            |
| 47           | MP3B      | X                            | 0                          | 0                | %100            |
| 48           | MP3B      | Z                            | 9.594                      | 0                | %100            |
| 49           | MP4B      | X                            | 0                          | 0                | %100            |
| 50           | MP4B      | Z                            | 9.594                      | 0                | %100            |
| 51           | MP2B      | X                            | 0                          | 0                | %100            |
| 52           | MP2B      | Z                            | 9.594                      | 0                | %100            |
| 53           | MP1B      | X                            | 0                          | 0                | %100            |
| 54           | MP1B      | Z                            | 9.594                      | 0                | %100            |
| 55           | M51B      | X                            | 0                          | 0                | %100            |
| 56           | M51B      | Z                            | 3.365                      | 0                | %100            |
| 57           | M52B      | X                            | 0                          | 0                | %100            |
| 58           | M52B      | Z                            | 3.365                      | 0                | %100            |
| 59           | M58A      | X                            | 0                          | 0                | %100            |
| 60           | M58A      | Z                            | 3.365                      | 0                | %100            |
| 61           | M59A      | X                            | 0                          | 0                | %100            |
| 62           | M59A      | Z                            | 13.459                     | 0                | %100            |
| 63           | M82       | X                            | 0                          | 0                | %100            |
| 64           | M82       | Z                            | 13.459                     | 0                | %100            |
| 65           | M83A      | X                            | 0                          | 0                | %100            |
| 66           | M83A      | Z                            | 3.365                      | 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[f...] | End Location[ft...] |
|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 67           | M1        | X                            | 0                          | 0                    | %100                |
| 68           | M1        | Z                            | 13.916                     | 13.916               | %100                |
| 69           | M82A      | X                            | 0                          | 0                    | %100                |
| 70           | M82A      | Z                            | 3.479                      | 3.479                | %100                |
| 71           | M91B      | X                            | 0                          | 0                    | %100                |
| 72           | M91B      | Z                            | 3.479                      | 3.479                | %100                |
| 73           | M76       | X                            | 0                          | 0                    | %100                |
| 74           | M76       | Z                            | 0                          | 0                    | %100                |
| 75           | M77       | X                            | 0                          | 0                    | %100                |
| 76           | M77       | Z                            | 6.172                      | 6.172                | %100                |
| 77           | M84       | X                            | 0                          | 0                    | %100                |
| 78           | M84       | Z                            | 0                          | 0                    | %100                |
| 79           | M85       | X                            | 0                          | 0                    | %100                |
| 80           | M85       | Z                            | 6.172                      | 6.172                | %100                |
| 81           | M63       | X                            | 0                          | 0                    | %100                |
| 82           | M63       | Z                            | 18.178                     | 18.178               | %100                |
| 83           | M64       | X                            | 0                          | 0                    | %100                |
| 84           | M64       | Z                            | 6.172                      | 6.172                | %100                |
| 85           | M68       | X                            | 0                          | 0                    | %100                |
| 86           | M68       | Z                            | 18.178                     | 18.178               | %100                |
| 87           | M69       | X                            | 0                          | 0                    | %100                |
| 88           | M69       | Z                            | 24.687                     | 24.687               | %100                |
| 89           | M87       | X                            | 0                          | 0                    | %100                |
| 90           | M87       | Z                            | 18.178                     | 18.178               | %100                |
| 91           | M88A      | X                            | 0                          | 0                    | %100                |
| 92           | M88A      | Z                            | 24.687                     | 24.687               | %100                |
| 93           | M92A      | X                            | 0                          | 0                    | %100                |
| 94           | M92A      | Z                            | 18.178                     | 18.178               | %100                |
| 95           | M93       | X                            | 0                          | 0                    | %100                |
| 96           | M93       | Z                            | 6.172                      | 6.172                | %100                |
| 97           | M46       | X                            | 0                          | 0                    | %100                |
| 98           | M46       | Z                            | 24.238                     | 24.238               | %100                |
| 99           | M80       | X                            | 0                          | 0                    | %100                |
| 100          | M80       | Z                            | 6.5                        | 6.5                  | %100                |
| 101          | M91       | X                            | 0                          | 0                    | %100                |
| 102          | M91       | Z                            | 6.5                        | 6.5                  | %100                |
| 103          | M55       | X                            | 0                          | 0                    | %100                |
| 104          | M55       | Z                            | 6.059                      | 6.059                | %100                |
| 105          | M66       | X                            | 0                          | 0                    | %100                |
| 106          | M66       | Z                            | 6.5                        | 6.5                  | %100                |
| 107          | M71       | X                            | 0                          | 0                    | %100                |
| 108          | M71       | Z                            | 26.002                     | 26.002               | %100                |
| 109          | M79A      | X                            | 0                          | 0                    | %100                |
| 110          | M79A      | Z                            | 6.059                      | 6.059                | %100                |
| 111          | M90       | X                            | 0                          | 0                    | %100                |
| 112          | M90       | Z                            | 26.002                     | 26.002               | %100                |
| 113          | M95       | X                            | 0                          | 0                    | %100                |
| 114          | M95       | Z                            | 6.5                        | 6.5                  | %100                |
| 115          | OVP1      | X                            | 0                          | 0                    | %100                |
| 116          | OVP1      | Z                            | 7.845                      | 7.845                | %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[f...] | End Location[ft...] |
|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 1            | M121      | X                            | -3.983                     | 0                    | %100                |
| 2            | M121      | Z                            | 6.898                      | 0                    | %100                |
| 3            | M122      | X                            | -3.983                     | 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 Locationf.. | End Locationft.. |
|--------------|-----------|------------------------------|----------------------------|-------------------|------------------|
| 4            | M122      | Z                            | 6.898                      | 0                 | %100             |
| 5            | M123      | X                            | 0                          | 0                 | %100             |
| 6            | M123      | Z                            | 0                          | 0                 | %100             |
| 7            | M100      | X                            | -3.598                     | 0                 | %100             |
| 8            | M100      | Z                            | 6.232                      | 0                 | %100             |
| 9            | M105      | X                            | -3.598                     | 0                 | %100             |
| 10           | M105      | Z                            | 6.232                      | 0                 | %100             |
| 11           | M106      | X                            | 0                          | 0                 | %100             |
| 12           | M106      | Z                            | 0                          | 0                 | %100             |
| 13           | M4        | X                            | -1.795                     | 0                 | %100             |
| 14           | M4        | Z                            | 3.109                      | 0                 | %100             |
| 15           | M52A      | X                            | -1.795                     | 0                 | %100             |
| 16           | M52A      | Z                            | 3.109                      | 0                 | %100             |
| 17           | M76A      | X                            | -7.18                      | 0                 | %100             |
| 18           | M76A      | Z                            | 12.437                     | 0                 | %100             |
| 19           | M10       | X                            | -4.557                     | 0                 | %100             |
| 20           | M10       | Z                            | 7.893                      | 0                 | %100             |
| 21           | M43       | X                            | -4.557                     | 0                 | %100             |
| 22           | M43       | Z                            | 7.893                      | 0                 | %100             |
| 23           | M53       | X                            | -4.557                     | 0                 | %100             |
| 24           | M53       | Z                            | 7.893                      | 0                 | %100             |
| 25           | M54       | X                            | -4.557                     | 0                 | %100             |
| 26           | M54       | Z                            | 7.893                      | 0                 | %100             |
| 27           | M77A      | X                            | 0                          | 0                 | %100             |
| 28           | M77A      | Z                            | 0                          | 0                 | %100             |
| 29           | M78       | X                            | 0                          | 0                 | %100             |
| 30           | M78       | Z                            | 0                          | 0                 | %100             |
| 31           | MP3A      | X                            | -4.797                     | 0                 | %100             |
| 32           | MP3A      | Z                            | 8.309                      | 0                 | %100             |
| 33           | MP4A      | X                            | -4.797                     | 0                 | %100             |
| 34           | MP4A      | Z                            | 8.309                      | 0                 | %100             |
| 35           | MP2A      | X                            | -4.797                     | 0                 | %100             |
| 36           | MP2A      | Z                            | 8.309                      | 0                 | %100             |
| 37           | MP1A      | X                            | -4.797                     | 0                 | %100             |
| 38           | MP1A      | Z                            | 8.309                      | 0                 | %100             |
| 39           | MP3C      | X                            | -4.797                     | 0                 | %100             |
| 40           | MP3C      | Z                            | 8.309                      | 0                 | %100             |
| 41           | MP4C      | X                            | -4.797                     | 0                 | %100             |
| 42           | MP4C      | Z                            | 8.309                      | 0                 | %100             |
| 43           | MP2C      | X                            | -4.797                     | 0                 | %100             |
| 44           | MP2C      | Z                            | 8.309                      | 0                 | %100             |
| 45           | MP1C      | X                            | -4.797                     | 0                 | %100             |
| 46           | MP1C      | Z                            | 8.309                      | 0                 | %100             |
| 47           | MP3B      | X                            | -4.797                     | 0                 | %100             |
| 48           | MP3B      | Z                            | 8.309                      | 0                 | %100             |
| 49           | MP4B      | X                            | -4.797                     | 0                 | %100             |
| 50           | MP4B      | Z                            | 8.309                      | 0                 | %100             |
| 51           | MP2B      | X                            | -4.797                     | 0                 | %100             |
| 52           | MP2B      | Z                            | 8.309                      | 0                 | %100             |
| 53           | MP1B      | X                            | -4.797                     | 0                 | %100             |
| 54           | MP1B      | Z                            | 8.309                      | 0                 | %100             |
| 55           | M51B      | X                            | -5.047                     | 0                 | %100             |
| 56           | M51B      | Z                            | 8.742                      | 0                 | %100             |
| 57           | M52B      | X                            | 0                          | 0                 | %100             |
| 58           | M52B      | Z                            | 0                          | 0                 | %100             |
| 59           | M58A      | X                            | 0                          | 0                 | %100             |
| 60           | M58A      | Z                            | 0                          | 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[f...] | End Location[ft...] |
|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 61           | M59A      | X                            | -5.047                     | -5.047               | 0 %100              |
| 62           | M59A      | Z                            | 8.742                      | 8.742                | 0 %100              |
| 63           | M82       | X                            | -5.047                     | -5.047               | 0 %100              |
| 64           | M82       | Z                            | 8.742                      | 8.742                | 0 %100              |
| 65           | M83A      | X                            | -5.047                     | -5.047               | 0 %100              |
| 66           | M83A      | Z                            | 8.742                      | 8.742                | 0 %100              |
| 67           | M1        | X                            | -5.219                     | -5.219               | 0 %100              |
| 68           | M1        | Z                            | 9.039                      | 9.039                | 0 %100              |
| 69           | M82A      | X                            | -5.219                     | -5.219               | 0 %100              |
| 70           | M82A      | Z                            | 9.039                      | 9.039                | 0 %100              |
| 71           | M91B      | X                            | 0                          | 0                    | 0 %100              |
| 72           | M91B      | Z                            | 0                          | 0                    | 0 %100              |
| 73           | M76       | X                            | -3.03                      | -3.03                | 0 %100              |
| 74           | M76       | Z                            | 5.248                      | 5.248                | 0 %100              |
| 75           | M77       | X                            | -9.257                     | -9.257               | 0 %100              |
| 76           | M77       | Z                            | 16.034                     | 16.034               | 0 %100              |
| 77           | M84       | X                            | -3.03                      | -3.03                | 0 %100              |
| 78           | M84       | Z                            | 5.248                      | 5.248                | 0 %100              |
| 79           | M85       | X                            | 0                          | 0                    | 0 %100              |
| 80           | M85       | Z                            | 0                          | 0                    | 0 %100              |
| 81           | M63       | X                            | -3.03                      | -3.03                | 0 %100              |
| 82           | M63       | Z                            | 5.248                      | 5.248                | 0 %100              |
| 83           | M64       | X                            | 0                          | 0                    | 0 %100              |
| 84           | M64       | Z                            | 0                          | 0                    | 0 %100              |
| 85           | M68       | X                            | -3.03                      | -3.03                | 0 %100              |
| 86           | M68       | Z                            | 5.248                      | 5.248                | 0 %100              |
| 87           | M69       | X                            | -9.257                     | -9.257               | 0 %100              |
| 88           | M69       | Z                            | 16.034                     | 16.034               | 0 %100              |
| 89           | M87       | X                            | -12.119                    | -12.119              | 0 %100              |
| 90           | M87       | Z                            | 20.991                     | 20.991               | 0 %100              |
| 91           | M88A      | X                            | -9.257                     | -9.257               | 0 %100              |
| 92           | M88A      | Z                            | 16.034                     | 16.034               | 0 %100              |
| 93           | M92A      | X                            | -12.119                    | -12.119              | 0 %100              |
| 94           | M92A      | Z                            | 20.991                     | 20.991               | 0 %100              |
| 95           | M93       | X                            | -9.257                     | -9.257               | 0 %100              |
| 96           | M93       | Z                            | 16.034                     | 16.034               | 0 %100              |
| 97           | M46       | X                            | -9.089                     | -9.089               | 0 %100              |
| 98           | M46       | Z                            | 15.743                     | 15.743               | 0 %100              |
| 99           | M80       | X                            | -9.751                     | -9.751               | 0 %100              |
| 100          | M80       | Z                            | 16.889                     | 16.889               | 0 %100              |
| 101          | M91       | X                            | 0                          | 0                    | 0 %100              |
| 102          | M91       | Z                            | 0                          | 0                    | 0 %100              |
| 103          | M55       | X                            | -9.089                     | -9.089               | 0 %100              |
| 104          | M55       | Z                            | 15.743                     | 15.743               | 0 %100              |
| 105          | M66       | X                            | 0                          | 0                    | 0 %100              |
| 106          | M66       | Z                            | 0                          | 0                    | 0 %100              |
| 107          | M71       | X                            | -9.751                     | -9.751               | 0 %100              |
| 108          | M71       | Z                            | 16.889                     | 16.889               | 0 %100              |
| 109          | M79A      | X                            | 0                          | 0                    | 0 %100              |
| 110          | M79A      | Z                            | 0                          | 0                    | 0 %100              |
| 111          | M90       | X                            | -9.751                     | -9.751               | 0 %100              |
| 112          | M90       | Z                            | 16.889                     | 16.889               | 0 %100              |
| 113          | M95       | X                            | -9.751                     | -9.751               | 0 %100              |
| 114          | M95       | Z                            | 16.889                     | 16.889               | 0 %100              |
| 115          | OVP1      | X                            | -3.923                     | -3.923               | 0 %100              |
| 116          | OVP1      | Z                            | 6.794                      | 6.794                | 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[f...] | End Location[ft...] |
|----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 1  | M121         | X         | -9.198                       | -9.198                     | 0                    | %100                |
| 2  | M121         | Z         | 5.31                         | 5.31                       | 0                    | %100                |
| 3  | M122         | X         | -2.299                       | -2.299                     | 0                    | %100                |
| 4  | M122         | Z         | 1.328                        | 1.328                      | 0                    | %100                |
| 5  | M123         | X         | -2.299                       | -2.299                     | 0                    | %100                |
| 6  | M123         | Z         | 1.328                        | 1.328                      | 0                    | %100                |
| 7  | M100         | X         | -2.077                       | -2.077                     | 0                    | %100                |
| 8  | M100         | Z         | 1.199                        | 1.199                      | 0                    | %100                |
| 9  | M105         | X         | -8.309                       | -8.309                     | 0                    | %100                |
| 10 | M105         | Z         | 4.797                        | 4.797                      | 0                    | %100                |
| 11 | M106         | X         | -2.077                       | -2.077                     | 0                    | %100                |
| 12 | M106         | Z         | 1.199                        | 1.199                      | 0                    | %100                |
| 13 | M4           | X         | -9.328                       | -9.328                     | 0                    | %100                |
| 14 | M4           | Z         | 5.385                        | 5.385                      | 0                    | %100                |
| 15 | M52A         | X         | 0                            | 0                          | 0                    | %100                |
| 16 | M52A         | Z         | 0                            | 0                          | 0                    | %100                |
| 17 | M76A         | X         | -9.328                       | -9.328                     | 0                    | %100                |
| 18 | M76A         | Z         | 5.385                        | 5.385                      | 0                    | %100                |
| 19 | M10          | X         | -2.631                       | -2.631                     | 0                    | %100                |
| 20 | M10          | Z         | 1.519                        | 1.519                      | 0                    | %100                |
| 21 | M43          | X         | -2.631                       | -2.631                     | 0                    | %100                |
| 22 | M43          | Z         | 1.519                        | 1.519                      | 0                    | %100                |
| 23 | M53          | X         | -10.524                      | -10.524                    | 0                    | %100                |
| 24 | M53          | Z         | 6.076                        | 6.076                      | 0                    | %100                |
| 25 | M54          | X         | -10.524                      | -10.524                    | 0                    | %100                |
| 26 | M54          | Z         | 6.076                        | 6.076                      | 0                    | %100                |
| 27 | M77A         | X         | -2.631                       | -2.631                     | 0                    | %100                |
| 28 | M77A         | Z         | 1.519                        | 1.519                      | 0                    | %100                |
| 29 | M78          | X         | -2.631                       | -2.631                     | 0                    | %100                |
| 30 | M78          | Z         | 1.519                        | 1.519                      | 0                    | %100                |
| 31 | MP3A         | X         | -8.309                       | -8.309                     | 0                    | %100                |
| 32 | MP3A         | Z         | 4.797                        | 4.797                      | 0                    | %100                |
| 33 | MP4A         | X         | -8.309                       | -8.309                     | 0                    | %100                |
| 34 | MP4A         | Z         | 4.797                        | 4.797                      | 0                    | %100                |
| 35 | MP2A         | X         | -8.309                       | -8.309                     | 0                    | %100                |
| 36 | MP2A         | Z         | 4.797                        | 4.797                      | 0                    | %100                |
| 37 | MP1A         | X         | -8.309                       | -8.309                     | 0                    | %100                |
| 38 | MP1A         | Z         | 4.797                        | 4.797                      | 0                    | %100                |
| 39 | MP3C         | X         | -8.309                       | -8.309                     | 0                    | %100                |
| 40 | MP3C         | Z         | 4.797                        | 4.797                      | 0                    | %100                |
| 41 | MP4C         | X         | -8.309                       | -8.309                     | 0                    | %100                |
| 42 | MP4C         | Z         | 4.797                        | 4.797                      | 0                    | %100                |
| 43 | MP2C         | X         | -8.309                       | -8.309                     | 0                    | %100                |
| 44 | MP2C         | Z         | 4.797                        | 4.797                      | 0                    | %100                |
| 45 | MP1C         | X         | -8.309                       | -8.309                     | 0                    | %100                |
| 46 | MP1C         | Z         | 4.797                        | 4.797                      | 0                    | %100                |
| 47 | MP3B         | X         | -8.309                       | -8.309                     | 0                    | %100                |
| 48 | MP3B         | Z         | 4.797                        | 4.797                      | 0                    | %100                |
| 49 | MP4B         | X         | -8.309                       | -8.309                     | 0                    | %100                |
| 50 | MP4B         | Z         | 4.797                        | 4.797                      | 0                    | %100                |
| 51 | MP2B         | X         | -8.309                       | -8.309                     | 0                    | %100                |
| 52 | MP2B         | Z         | 4.797                        | 4.797                      | 0                    | %100                |
| 53 | MP1B         | X         | -8.309                       | -8.309                     | 0                    | %100                |
| 54 | MP1B         | Z         | 4.797                        | 4.797                      | 0                    | %100                |
| 55 | M51B         | X         | -11.656                      | -11.656                    | 0                    | %100                |
| 56 | M51B         | Z         | 6.729                        | 6.729                      | 0                    | %100                |
| 57 | M52B         | X         | -2.914                       | -2.914                     | 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 Locationft.. | End Locationft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|------------------|
| 58           | M52B      | Z                            | 1.682                      | 0                  | %100             |
| 59           | M58A      | X                            | -2.914                     | 0                  | %100             |
| 60           | M58A      | Z                            | 1.682                      | 0                  | %100             |
| 61           | M59A      | X                            | -2.914                     | 0                  | %100             |
| 62           | M59A      | Z                            | 1.682                      | 0                  | %100             |
| 63           | M82       | X                            | -2.914                     | 0                  | %100             |
| 64           | M82       | Z                            | 1.682                      | 0                  | %100             |
| 65           | M83A      | X                            | -11.656                    | 0                  | %100             |
| 66           | M83A      | Z                            | 6.729                      | 0                  | %100             |
| 67           | M1        | X                            | -3.013                     | 0                  | %100             |
| 68           | M1        | Z                            | 1.74                       | 0                  | %100             |
| 69           | M82A      | X                            | -12.052                    | 0                  | %100             |
| 70           | M82A      | Z                            | 6.958                      | 0                  | %100             |
| 71           | M91B      | X                            | -3.013                     | 0                  | %100             |
| 72           | M91B      | Z                            | 1.74                       | 0                  | %100             |
| 73           | M76       | X                            | -15.743                    | 0                  | %100             |
| 74           | M76       | Z                            | 9.089                      | 0                  | %100             |
| 75           | M77       | X                            | -21.379                    | 0                  | %100             |
| 76           | M77       | Z                            | 12.343                     | 0                  | %100             |
| 77           | M84       | X                            | -15.743                    | 0                  | %100             |
| 78           | M84       | Z                            | 9.089                      | 0                  | %100             |
| 79           | M85       | X                            | -5.345                     | 0                  | %100             |
| 80           | M85       | Z                            | 3.086                      | 0                  | %100             |
| 81           | M63       | X                            | 0                          | 0                  | %100             |
| 82           | M63       | Z                            | 0                          | 0                  | %100             |
| 83           | M64       | X                            | -5.345                     | 0                  | %100             |
| 84           | M64       | Z                            | 3.086                      | 0                  | %100             |
| 85           | M68       | X                            | 0                          | 0                  | %100             |
| 86           | M68       | Z                            | 0                          | 0                  | %100             |
| 87           | M69       | X                            | -5.345                     | 0                  | %100             |
| 88           | M69       | Z                            | 3.086                      | 0                  | %100             |
| 89           | M87       | X                            | -15.743                    | 0                  | %100             |
| 90           | M87       | Z                            | 9.089                      | 0                  | %100             |
| 91           | M88A      | X                            | -5.345                     | 0                  | %100             |
| 92           | M88A      | Z                            | 3.086                      | 0                  | %100             |
| 93           | M92A      | X                            | -15.743                    | 0                  | %100             |
| 94           | M92A      | Z                            | 9.089                      | 0                  | %100             |
| 95           | M93       | X                            | -21.379                    | 0                  | %100             |
| 96           | M93       | Z                            | 12.343                     | 0                  | %100             |
| 97           | M46       | X                            | -5.248                     | 0                  | %100             |
| 98           | M46       | Z                            | 3.03                       | 0                  | %100             |
| 99           | M80       | X                            | -22.518                    | 0                  | %100             |
| 100          | M80       | Z                            | 13.001                     | 0                  | %100             |
| 101          | M91       | X                            | -5.63                      | 0                  | %100             |
| 102          | M91       | Z                            | 3.25                       | 0                  | %100             |
| 103          | M55       | X                            | -20.991                    | 0                  | %100             |
| 104          | M55       | Z                            | 12.119                     | 0                  | %100             |
| 105          | M66       | X                            | -5.63                      | 0                  | %100             |
| 106          | M66       | Z                            | 3.25                       | 0                  | %100             |
| 107          | M71       | X                            | -5.63                      | 0                  | %100             |
| 108          | M71       | Z                            | 3.25                       | 0                  | %100             |
| 109          | M79A      | X                            | -5.248                     | 0                  | %100             |
| 110          | M79A      | Z                            | 3.03                       | 0                  | %100             |
| 111          | M90       | X                            | -5.63                      | 0                  | %100             |
| 112          | M90       | Z                            | 3.25                       | 0                  | %100             |
| 113          | M95       | X                            | -22.518                    | 0                  | %100             |
| 114          | M95       | Z                            | 13.001                     | 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[f...] | End Location[ft...] |
|-----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 115 | OVP1         | X         | -6.794                       | -6.794                     | 0                    | %100                |
| 116 | OVP1         | Z         | 3.923                        | 3.923                      | 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[f...] | End Location[ft...] |
|----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 1  | M121         | X         | -7.965                       | -7.965                     | 0                    | %100                |
| 2  | M121         | Z         | 0                            | 0                          | 0                    | %100                |
| 3  | M122         | X         | 0                            | 0                          | 0                    | %100                |
| 4  | M122         | Z         | 0                            | 0                          | 0                    | %100                |
| 5  | M123         | X         | -7.965                       | -7.965                     | 0                    | %100                |
| 6  | M123         | Z         | 0                            | 0                          | 0                    | %100                |
| 7  | M100         | X         | 0                            | 0                          | 0                    | %100                |
| 8  | M100         | Z         | 0                            | 0                          | 0                    | %100                |
| 9  | M105         | X         | -7.196                       | -7.196                     | 0                    | %100                |
| 10 | M105         | Z         | 0                            | 0                          | 0                    | %100                |
| 11 | M106         | X         | -7.196                       | -7.196                     | 0                    | %100                |
| 12 | M106         | Z         | 0                            | 0                          | 0                    | %100                |
| 13 | M4           | X         | -14.361                      | -14.361                    | 0                    | %100                |
| 14 | M4           | Z         | 0                            | 0                          | 0                    | %100                |
| 15 | M52A         | X         | -3.59                        | -3.59                      | 0                    | %100                |
| 16 | M52A         | Z         | 0                            | 0                          | 0                    | %100                |
| 17 | M76A         | X         | -3.59                        | -3.59                      | 0                    | %100                |
| 18 | M76A         | Z         | 0                            | 0                          | 0                    | %100                |
| 19 | M10          | X         | 0                            | 0                          | 0                    | %100                |
| 20 | M10          | Z         | 0                            | 0                          | 0                    | %100                |
| 21 | M43          | X         | 0                            | 0                          | 0                    | %100                |
| 22 | M43          | Z         | 0                            | 0                          | 0                    | %100                |
| 23 | M53          | X         | -9.114                       | -9.114                     | 0                    | %100                |
| 24 | M53          | Z         | 0                            | 0                          | 0                    | %100                |
| 25 | M54          | X         | -9.114                       | -9.114                     | 0                    | %100                |
| 26 | M54          | Z         | 0                            | 0                          | 0                    | %100                |
| 27 | M77A         | X         | -9.114                       | -9.114                     | 0                    | %100                |
| 28 | M77A         | Z         | 0                            | 0                          | 0                    | %100                |
| 29 | M78          | X         | -9.114                       | -9.114                     | 0                    | %100                |
| 30 | M78          | Z         | 0                            | 0                          | 0                    | %100                |
| 31 | MP3A         | X         | -9.594                       | -9.594                     | 0                    | %100                |
| 32 | MP3A         | Z         | 0                            | 0                          | 0                    | %100                |
| 33 | MP4A         | X         | -9.594                       | -9.594                     | 0                    | %100                |
| 34 | MP4A         | Z         | 0                            | 0                          | 0                    | %100                |
| 35 | MP2A         | X         | -9.594                       | -9.594                     | 0                    | %100                |
| 36 | MP2A         | Z         | 0                            | 0                          | 0                    | %100                |
| 37 | MP1A         | X         | -9.594                       | -9.594                     | 0                    | %100                |
| 38 | MP1A         | Z         | 0                            | 0                          | 0                    | %100                |
| 39 | MP3C         | X         | -9.594                       | -9.594                     | 0                    | %100                |
| 40 | MP3C         | Z         | 0                            | 0                          | 0                    | %100                |
| 41 | MP4C         | X         | -9.594                       | -9.594                     | 0                    | %100                |
| 42 | MP4C         | Z         | 0                            | 0                          | 0                    | %100                |
| 43 | MP2C         | X         | -9.594                       | -9.594                     | 0                    | %100                |
| 44 | MP2C         | Z         | 0                            | 0                          | 0                    | %100                |
| 45 | MP1C         | X         | -9.594                       | -9.594                     | 0                    | %100                |
| 46 | MP1C         | Z         | 0                            | 0                          | 0                    | %100                |
| 47 | MP3B         | X         | -9.594                       | -9.594                     | 0                    | %100                |
| 48 | MP3B         | Z         | 0                            | 0                          | 0                    | %100                |
| 49 | MP4B         | X         | -9.594                       | -9.594                     | 0                    | %100                |
| 50 | MP4B         | Z         | 0                            | 0                          | 0                    | %100                |
| 51 | MP2B         | X         | -9.594                       | -9.594                     | 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 Locationft. | End Locationft. |
|--------------|-----------|------------------------------|----------------------------|-------------------|-----------------|
| 52           | MP2B      | Z                            | 0                          | 0                 | %100            |
| 53           | MP1B      | X                            | -9.594                     | 0                 | %100            |
| 54           | MP1B      | Z                            | 0                          | 0                 | %100            |
| 55           | M51B      | X                            | -10.094                    | 0                 | %100            |
| 56           | M51B      | Z                            | 0                          | 0                 | %100            |
| 57           | M52B      | X                            | -10.094                    | 0                 | %100            |
| 58           | M52B      | Z                            | 0                          | 0                 | %100            |
| 59           | M58A      | X                            | -10.094                    | 0                 | %100            |
| 60           | M58A      | Z                            | 0                          | 0                 | %100            |
| 61           | M59A      | X                            | 0                          | 0                 | %100            |
| 62           | M59A      | Z                            | 0                          | 0                 | %100            |
| 63           | M82       | X                            | 0                          | 0                 | %100            |
| 64           | M82       | Z                            | 0                          | 0                 | %100            |
| 65           | M83A      | X                            | -10.094                    | 0                 | %100            |
| 66           | M83A      | Z                            | 0                          | 0                 | %100            |
| 67           | M1        | X                            | 0                          | 0                 | %100            |
| 68           | M1        | Z                            | 0                          | 0                 | %100            |
| 69           | M82A      | X                            | -10.437                    | 0                 | %100            |
| 70           | M82A      | Z                            | 0                          | 0                 | %100            |
| 71           | M91B      | X                            | -10.437                    | 0                 | %100            |
| 72           | M91B      | Z                            | 0                          | 0                 | %100            |
| 73           | M76       | X                            | -24.238                    | 0                 | %100            |
| 74           | M76       | Z                            | 0                          | 0                 | %100            |
| 75           | M77       | X                            | -18.515                    | 0                 | %100            |
| 76           | M77       | Z                            | 0                          | 0                 | %100            |
| 77           | M84       | X                            | -24.238                    | 0                 | %100            |
| 78           | M84       | Z                            | 0                          | 0                 | %100            |
| 79           | M85       | X                            | -18.515                    | 0                 | %100            |
| 80           | M85       | Z                            | 0                          | 0                 | %100            |
| 81           | M63       | X                            | -6.059                     | 0                 | %100            |
| 82           | M63       | Z                            | 0                          | 0                 | %100            |
| 83           | M64       | X                            | -18.515                    | 0                 | %100            |
| 84           | M64       | Z                            | 0                          | 0                 | %100            |
| 85           | M68       | X                            | -6.059                     | 0                 | %100            |
| 86           | M68       | Z                            | 0                          | 0                 | %100            |
| 87           | M69       | X                            | 0                          | 0                 | %100            |
| 88           | M69       | Z                            | 0                          | 0                 | %100            |
| 89           | M87       | X                            | -6.059                     | 0                 | %100            |
| 90           | M87       | Z                            | 0                          | 0                 | %100            |
| 91           | M88A      | X                            | 0                          | 0                 | %100            |
| 92           | M88A      | Z                            | 0                          | 0                 | %100            |
| 93           | M92A      | X                            | -6.059                     | 0                 | %100            |
| 94           | M92A      | Z                            | 0                          | 0                 | %100            |
| 95           | M93       | X                            | -18.515                    | 0                 | %100            |
| 96           | M93       | Z                            | 0                          | 0                 | %100            |
| 97           | M46       | X                            | 0                          | 0                 | %100            |
| 98           | M46       | Z                            | 0                          | 0                 | %100            |
| 99           | M80       | X                            | -19.501                    | 0                 | %100            |
| 100          | M80       | Z                            | 0                          | 0                 | %100            |
| 101          | M91       | X                            | -19.501                    | 0                 | %100            |
| 102          | M91       | Z                            | 0                          | 0                 | %100            |
| 103          | M55       | X                            | -18.178                    | 0                 | %100            |
| 104          | M55       | Z                            | 0                          | 0                 | %100            |
| 105          | M66       | X                            | -19.501                    | 0                 | %100            |
| 106          | M66       | Z                            | 0                          | 0                 | %100            |
| 107          | M71       | X                            | 0                          | 0                 | %100            |
| 108          | M71       | Z                            | 0                          | 0                 | %100            |



Company :  
 Designer :  
 Job Number :  
 Model Name :

Nov 15, 2023  
 11:03 AM  
 Checked By: \_\_\_\_\_

**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[f.. | End Location[ft.. |
|-----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 109 | M79A         | X         | -18.178                      | -18.178                    | 0                  | %100              |
| 110 | M79A         | Z         | 0                            | 0                          | 0                  | %100              |
| 111 | M90          | X         | 0                            | 0                          | 0                  | %100              |
| 112 | M90          | Z         | 0                            | 0                          | 0                  | %100              |
| 113 | M95          | X         | -19.501                      | -19.501                    | 0                  | %100              |
| 114 | M95          | Z         | 0                            | 0                          | 0                  | %100              |
| 115 | OVP1         | X         | -7.845                       | -7.845                     | 0                  | %100              |
| 116 | OVP1         | 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[f.. | End Location[ft.. |
|----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 1  | M121         | X         | -2.299                       | -2.299                     | 0                  | %100              |
| 2  | M121         | Z         | -1.328                       | -1.328                     | 0                  | %100              |
| 3  | M122         | X         | -2.299                       | -2.299                     | 0                  | %100              |
| 4  | M122         | Z         | -1.328                       | -1.328                     | 0                  | %100              |
| 5  | M123         | X         | -9.198                       | -9.198                     | 0                  | %100              |
| 6  | M123         | Z         | -5.31                        | -5.31                      | 0                  | %100              |
| 7  | M100         | X         | -2.077                       | -2.077                     | 0                  | %100              |
| 8  | M100         | Z         | -1.199                       | -1.199                     | 0                  | %100              |
| 9  | M105         | X         | -2.077                       | -2.077                     | 0                  | %100              |
| 10 | M105         | Z         | -1.199                       | -1.199                     | 0                  | %100              |
| 11 | M106         | X         | -8.309                       | -8.309                     | 0                  | %100              |
| 12 | M106         | Z         | -4.797                       | -4.797                     | 0                  | %100              |
| 13 | M4           | X         | -9.328                       | -9.328                     | 0                  | %100              |
| 14 | M4           | Z         | -5.385                       | -5.385                     | 0                  | %100              |
| 15 | M52A         | X         | -9.328                       | -9.328                     | 0                  | %100              |
| 16 | M52A         | Z         | -5.385                       | -5.385                     | 0                  | %100              |
| 17 | M76A         | X         | 0                            | 0                          | 0                  | %100              |
| 18 | M76A         | Z         | 0                            | 0                          | 0                  | %100              |
| 19 | M10          | X         | -2.631                       | -2.631                     | 0                  | %100              |
| 20 | M10          | Z         | -1.519                       | -1.519                     | 0                  | %100              |
| 21 | M43          | X         | -2.631                       | -2.631                     | 0                  | %100              |
| 22 | M43          | Z         | -1.519                       | -1.519                     | 0                  | %100              |
| 23 | M53          | X         | -2.631                       | -2.631                     | 0                  | %100              |
| 24 | M53          | Z         | -1.519                       | -1.519                     | 0                  | %100              |
| 25 | M54          | X         | -2.631                       | -2.631                     | 0                  | %100              |
| 26 | M54          | Z         | -1.519                       | -1.519                     | 0                  | %100              |
| 27 | M77A         | X         | -10.524                      | -10.524                    | 0                  | %100              |
| 28 | M77A         | Z         | -6.076                       | -6.076                     | 0                  | %100              |
| 29 | M78          | X         | -10.524                      | -10.524                    | 0                  | %100              |
| 30 | M78          | Z         | -6.076                       | -6.076                     | 0                  | %100              |
| 31 | MP3A         | X         | -8.309                       | -8.309                     | 0                  | %100              |
| 32 | MP3A         | Z         | -4.797                       | -4.797                     | 0                  | %100              |
| 33 | MP4A         | X         | -8.309                       | -8.309                     | 0                  | %100              |
| 34 | MP4A         | Z         | -4.797                       | -4.797                     | 0                  | %100              |
| 35 | MP2A         | X         | -8.309                       | -8.309                     | 0                  | %100              |
| 36 | MP2A         | Z         | -4.797                       | -4.797                     | 0                  | %100              |
| 37 | MP1A         | X         | -8.309                       | -8.309                     | 0                  | %100              |
| 38 | MP1A         | Z         | -4.797                       | -4.797                     | 0                  | %100              |
| 39 | MP3C         | X         | -8.309                       | -8.309                     | 0                  | %100              |
| 40 | MP3C         | Z         | -4.797                       | -4.797                     | 0                  | %100              |
| 41 | MP4C         | X         | -8.309                       | -8.309                     | 0                  | %100              |
| 42 | MP4C         | Z         | -4.797                       | -4.797                     | 0                  | %100              |
| 43 | MP2C         | X         | -8.309                       | -8.309                     | 0                  | %100              |
| 44 | MP2C         | Z         | -4.797                       | -4.797                     | 0                  | %100              |
| 45 | MP1C         | X         | -8.309                       | -8.309                     | 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 Locationft.. | End Locationft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|------------------|
| 46           | MP1C      | Z                            | -4.797                     | 0                  | %100             |
| 47           | MP3B      | X                            | -8.309                     | 0                  | %100             |
| 48           | MP3B      | Z                            | -4.797                     | 0                  | %100             |
| 49           | MP4B      | X                            | -8.309                     | 0                  | %100             |
| 50           | MP4B      | Z                            | -4.797                     | 0                  | %100             |
| 51           | MP2B      | X                            | -8.309                     | 0                  | %100             |
| 52           | MP2B      | Z                            | -4.797                     | 0                  | %100             |
| 53           | MP1B      | X                            | -8.309                     | 0                  | %100             |
| 54           | MP1B      | Z                            | -4.797                     | 0                  | %100             |
| 55           | M51B      | X                            | -2.914                     | 0                  | %100             |
| 56           | M51B      | Z                            | -1.682                     | 0                  | %100             |
| 57           | M52B      | X                            | -11.656                    | 0                  | %100             |
| 58           | M52B      | Z                            | -6.729                     | 0                  | %100             |
| 59           | M58A      | X                            | -11.656                    | 0                  | %100             |
| 60           | M58A      | Z                            | -6.729                     | 0                  | %100             |
| 61           | M59A      | X                            | -2.914                     | 0                  | %100             |
| 62           | M59A      | Z                            | -1.682                     | 0                  | %100             |
| 63           | M82       | X                            | -2.914                     | 0                  | %100             |
| 64           | M82       | Z                            | -1.682                     | 0                  | %100             |
| 65           | M83A      | X                            | -2.914                     | 0                  | %100             |
| 66           | M83A      | Z                            | -1.682                     | 0                  | %100             |
| 67           | M1        | X                            | -3.013                     | 0                  | %100             |
| 68           | M1        | Z                            | -1.74                      | 0                  | %100             |
| 69           | M82A      | X                            | -3.013                     | 0                  | %100             |
| 70           | M82A      | Z                            | -1.74                      | 0                  | %100             |
| 71           | M91B      | X                            | -12.052                    | 0                  | %100             |
| 72           | M91B      | Z                            | -6.958                     | 0                  | %100             |
| 73           | M76       | X                            | -15.743                    | 0                  | %100             |
| 74           | M76       | Z                            | -9.089                     | 0                  | %100             |
| 75           | M77       | X                            | -5.345                     | 0                  | %100             |
| 76           | M77       | Z                            | -3.086                     | 0                  | %100             |
| 77           | M84       | X                            | -15.743                    | 0                  | %100             |
| 78           | M84       | Z                            | -9.089                     | 0                  | %100             |
| 79           | M85       | X                            | -21.379                    | 0                  | %100             |
| 80           | M85       | Z                            | -12.343                    | 0                  | %100             |
| 81           | M63       | X                            | -15.743                    | 0                  | %100             |
| 82           | M63       | Z                            | -9.089                     | 0                  | %100             |
| 83           | M64       | X                            | -21.379                    | 0                  | %100             |
| 84           | M64       | Z                            | -12.343                    | 0                  | %100             |
| 85           | M68       | X                            | -15.743                    | 0                  | %100             |
| 86           | M68       | Z                            | -9.089                     | 0                  | %100             |
| 87           | M69       | X                            | -5.345                     | 0                  | %100             |
| 88           | M69       | Z                            | -3.086                     | 0                  | %100             |
| 89           | M87       | X                            | 0                          | 0                  | %100             |
| 90           | M87       | Z                            | 0                          | 0                  | %100             |
| 91           | M88A      | X                            | -5.345                     | 0                  | %100             |
| 92           | M88A      | Z                            | -3.086                     | 0                  | %100             |
| 93           | M92A      | X                            | 0                          | 0                  | %100             |
| 94           | M92A      | Z                            | 0                          | 0                  | %100             |
| 95           | M93       | X                            | -5.345                     | 0                  | %100             |
| 96           | M93       | Z                            | -3.086                     | 0                  | %100             |
| 97           | M46       | X                            | -5.248                     | 0                  | %100             |
| 98           | M46       | Z                            | -3.03                      | 0                  | %100             |
| 99           | M80       | X                            | -5.63                      | 0                  | %100             |
| 100          | M80       | Z                            | -3.25                      | 0                  | %100             |
| 101          | M91       | X                            | -22.518                    | 0                  | %100             |
| 102          | M91       | Z                            | -13.001                    | 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[f.. | End Location[ft.. |
|-----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 103 | M55          | X         | -5.248                       | -5.248                     | 0                  | %100              |
| 104 | M55          | Z         | -3.03                        | -3.03                      | 0                  | %100              |
| 105 | M66          | X         | -22.518                      | -22.518                    | 0                  | %100              |
| 106 | M66          | Z         | -13.001                      | -13.001                    | 0                  | %100              |
| 107 | M71          | X         | -5.63                        | -5.63                      | 0                  | %100              |
| 108 | M71          | Z         | -3.25                        | -3.25                      | 0                  | %100              |
| 109 | M79A         | X         | -20.991                      | -20.991                    | 0                  | %100              |
| 110 | M79A         | Z         | -12.119                      | -12.119                    | 0                  | %100              |
| 111 | M90          | X         | -5.63                        | -5.63                      | 0                  | %100              |
| 112 | M90          | Z         | -3.25                        | -3.25                      | 0                  | %100              |
| 113 | M95          | X         | -5.63                        | -5.63                      | 0                  | %100              |
| 114 | M95          | Z         | -3.25                        | -3.25                      | 0                  | %100              |
| 115 | OVP1         | X         | -6.794                       | -6.794                     | 0                  | %100              |
| 116 | OVP1         | Z         | -3.923                       | -3.923                     | 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[f.. | End Location[ft.. |
|----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 1  | M121         | X         | 0                            | 0                          | 0                  | %100              |
| 2  | M121         | Z         | 0                            | 0                          | 0                  | %100              |
| 3  | M122         | X         | -3.983                       | -3.983                     | 0                  | %100              |
| 4  | M122         | Z         | -6.898                       | -6.898                     | 0                  | %100              |
| 5  | M123         | X         | -3.983                       | -3.983                     | 0                  | %100              |
| 6  | M123         | Z         | -6.898                       | -6.898                     | 0                  | %100              |
| 7  | M100         | X         | -3.598                       | -3.598                     | 0                  | %100              |
| 8  | M100         | Z         | -6.232                       | -6.232                     | 0                  | %100              |
| 9  | M105         | X         | 0                            | 0                          | 0                  | %100              |
| 10 | M105         | Z         | 0                            | 0                          | 0                  | %100              |
| 11 | M106         | X         | -3.598                       | -3.598                     | 0                  | %100              |
| 12 | M106         | Z         | -6.232                       | -6.232                     | 0                  | %100              |
| 13 | M4           | X         | -1.795                       | -1.795                     | 0                  | %100              |
| 14 | M4           | Z         | -3.109                       | -3.109                     | 0                  | %100              |
| 15 | M52A         | X         | -7.18                        | -7.18                      | 0                  | %100              |
| 16 | M52A         | Z         | -12.437                      | -12.437                    | 0                  | %100              |
| 17 | M76A         | X         | -1.795                       | -1.795                     | 0                  | %100              |
| 18 | M76A         | Z         | -3.109                       | -3.109                     | 0                  | %100              |
| 19 | M10          | X         | -4.557                       | -4.557                     | 0                  | %100              |
| 20 | M10          | Z         | -7.893                       | -7.893                     | 0                  | %100              |
| 21 | M43          | X         | -4.557                       | -4.557                     | 0                  | %100              |
| 22 | M43          | Z         | -7.893                       | -7.893                     | 0                  | %100              |
| 23 | M53          | X         | 0                            | 0                          | 0                  | %100              |
| 24 | M53          | Z         | 0                            | 0                          | 0                  | %100              |
| 25 | M54          | X         | 0                            | 0                          | 0                  | %100              |
| 26 | M54          | Z         | 0                            | 0                          | 0                  | %100              |
| 27 | M77A         | X         | -4.557                       | -4.557                     | 0                  | %100              |
| 28 | M77A         | Z         | -7.893                       | -7.893                     | 0                  | %100              |
| 29 | M78          | X         | -4.557                       | -4.557                     | 0                  | %100              |
| 30 | M78          | Z         | -7.893                       | -7.893                     | 0                  | %100              |
| 31 | MP3A         | X         | -4.797                       | -4.797                     | 0                  | %100              |
| 32 | MP3A         | Z         | -8.309                       | -8.309                     | 0                  | %100              |
| 33 | MP4A         | X         | -4.797                       | -4.797                     | 0                  | %100              |
| 34 | MP4A         | Z         | -8.309                       | -8.309                     | 0                  | %100              |
| 35 | MP2A         | X         | -4.797                       | -4.797                     | 0                  | %100              |
| 36 | MP2A         | Z         | -8.309                       | -8.309                     | 0                  | %100              |
| 37 | MP1A         | X         | -4.797                       | -4.797                     | 0                  | %100              |
| 38 | MP1A         | Z         | -8.309                       | -8.309                     | 0                  | %100              |
| 39 | MP3C         | X         | -4.797                       | -4.797                     | 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 Locationft. | End Locationft. |
|--------------|-----------|------------------------------|----------------------------|-------------------|-----------------|
| 40           | MP3C      | Z                            | -8.309                     | 0                 | %100            |
| 41           | MP4C      | X                            | -4.797                     | 0                 | %100            |
| 42           | MP4C      | Z                            | -8.309                     | 0                 | %100            |
| 43           | MP2C      | X                            | -4.797                     | 0                 | %100            |
| 44           | MP2C      | Z                            | -8.309                     | 0                 | %100            |
| 45           | MP1C      | X                            | -4.797                     | 0                 | %100            |
| 46           | MP1C      | Z                            | -8.309                     | 0                 | %100            |
| 47           | MP3B      | X                            | -4.797                     | 0                 | %100            |
| 48           | MP3B      | Z                            | -8.309                     | 0                 | %100            |
| 49           | MP4B      | X                            | -4.797                     | 0                 | %100            |
| 50           | MP4B      | Z                            | -8.309                     | 0                 | %100            |
| 51           | MP2B      | X                            | -4.797                     | 0                 | %100            |
| 52           | MP2B      | Z                            | -8.309                     | 0                 | %100            |
| 53           | MP1B      | X                            | -4.797                     | 0                 | %100            |
| 54           | MP1B      | Z                            | -8.309                     | 0                 | %100            |
| 55           | M51B      | X                            | 0                          | 0                 | %100            |
| 56           | M51B      | Z                            | 0                          | 0                 | %100            |
| 57           | M52B      | X                            | -5.047                     | 0                 | %100            |
| 58           | M52B      | Z                            | -8.742                     | 0                 | %100            |
| 59           | M58A      | X                            | -5.047                     | 0                 | %100            |
| 60           | M58A      | Z                            | -8.742                     | 0                 | %100            |
| 61           | M59A      | X                            | -5.047                     | 0                 | %100            |
| 62           | M59A      | Z                            | -8.742                     | 0                 | %100            |
| 63           | M82       | X                            | -5.047                     | 0                 | %100            |
| 64           | M82       | Z                            | -8.742                     | 0                 | %100            |
| 65           | M83A      | X                            | 0                          | 0                 | %100            |
| 66           | M83A      | Z                            | 0                          | 0                 | %100            |
| 67           | M1        | X                            | -5.219                     | 0                 | %100            |
| 68           | M1        | Z                            | -9.039                     | 0                 | %100            |
| 69           | M82A      | X                            | 0                          | 0                 | %100            |
| 70           | M82A      | Z                            | 0                          | 0                 | %100            |
| 71           | M91B      | X                            | -5.219                     | 0                 | %100            |
| 72           | M91B      | Z                            | -9.039                     | 0                 | %100            |
| 73           | M76       | X                            | -3.03                      | 0                 | %100            |
| 74           | M76       | Z                            | -5.248                     | 0                 | %100            |
| 75           | M77       | X                            | 0                          | 0                 | %100            |
| 76           | M77       | Z                            | 0                          | 0                 | %100            |
| 77           | M84       | X                            | -3.03                      | 0                 | %100            |
| 78           | M84       | Z                            | -5.248                     | 0                 | %100            |
| 79           | M85       | X                            | -9.257                     | 0                 | %100            |
| 80           | M85       | Z                            | -16.034                    | 0                 | %100            |
| 81           | M63       | X                            | -12.119                    | 0                 | %100            |
| 82           | M63       | Z                            | -20.991                    | 0                 | %100            |
| 83           | M64       | X                            | -9.257                     | 0                 | %100            |
| 84           | M64       | Z                            | -16.034                    | 0                 | %100            |
| 85           | M68       | X                            | -12.119                    | 0                 | %100            |
| 86           | M68       | Z                            | -20.991                    | 0                 | %100            |
| 87           | M69       | X                            | -9.257                     | 0                 | %100            |
| 88           | M69       | Z                            | -16.034                    | 0                 | %100            |
| 89           | M87       | X                            | -3.03                      | 0                 | %100            |
| 90           | M87       | Z                            | -5.248                     | 0                 | %100            |
| 91           | M88A      | X                            | -9.257                     | 0                 | %100            |
| 92           | M88A      | Z                            | -16.034                    | 0                 | %100            |
| 93           | M92A      | X                            | -3.03                      | 0                 | %100            |
| 94           | M92A      | Z                            | -5.248                     | 0                 | %100            |
| 95           | M93       | X                            | 0                          | 0                 | %100            |
| 96           | M93       | Z                            | 0                          | 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[f...] | End Location[ft...] |
|-----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 97  | M46          | X         | -9.089                       | -9.089                     | 0                    | %100                |
| 98  | M46          | Z         | -15.743                      | -15.743                    | 0                    | %100                |
| 99  | M80          | X         | 0                            | 0                          | 0                    | %100                |
| 100 | M80          | Z         | 0                            | 0                          | 0                    | %100                |
| 101 | M91          | X         | -9.751                       | -9.751                     | 0                    | %100                |
| 102 | M91          | Z         | -16.889                      | -16.889                    | 0                    | %100                |
| 103 | M55          | X         | 0                            | 0                          | 0                    | %100                |
| 104 | M55          | Z         | 0                            | 0                          | 0                    | %100                |
| 105 | M66          | X         | -9.751                       | -9.751                     | 0                    | %100                |
| 106 | M66          | Z         | -16.889                      | -16.889                    | 0                    | %100                |
| 107 | M71          | X         | -9.751                       | -9.751                     | 0                    | %100                |
| 108 | M71          | Z         | -16.889                      | -16.889                    | 0                    | %100                |
| 109 | M79A         | X         | -9.089                       | -9.089                     | 0                    | %100                |
| 110 | M79A         | Z         | -15.743                      | -15.743                    | 0                    | %100                |
| 111 | M90          | X         | -9.751                       | -9.751                     | 0                    | %100                |
| 112 | M90          | Z         | -16.889                      | -16.889                    | 0                    | %100                |
| 113 | M95          | X         | 0                            | 0                          | 0                    | %100                |
| 114 | M95          | Z         | 0                            | 0                          | 0                    | %100                |
| 115 | OVP1         | X         | -3.923                       | -3.923                     | 0                    | %100                |
| 116 | OVP1         | Z         | -6.794                       | -6.794                     | 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[f...] | End Location[ft...] |
|----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 1  | M121         | X         | 0                            | 0                          | 0                    | %100                |
| 2  | M121         | Z         | -.704                        | -.704                      | 0                    | %100                |
| 3  | M122         | X         | 0                            | 0                          | 0                    | %100                |
| 4  | M122         | Z         | -2.817                       | -2.817                     | 0                    | %100                |
| 5  | M123         | X         | 0                            | 0                          | 0                    | %100                |
| 6  | M123         | Z         | -.704                        | -.704                      | 0                    | %100                |
| 7  | M100         | X         | 0                            | 0                          | 0                    | %100                |
| 8  | M100         | Z         | -3.243                       | -3.243                     | 0                    | %100                |
| 9  | M105         | X         | 0                            | 0                          | 0                    | %100                |
| 10 | M105         | Z         | -.811                        | -.811                      | 0                    | %100                |
| 11 | M106         | X         | 0                            | 0                          | 0                    | %100                |
| 12 | M106         | Z         | -.811                        | -.811                      | 0                    | %100                |
| 13 | M4           | X         | 0                            | 0                          | 0                    | %100                |
| 14 | M4           | Z         | 0                            | 0                          | 0                    | %100                |
| 15 | M52A         | X         | 0                            | 0                          | 0                    | %100                |
| 16 | M52A         | Z         | -3.053                       | -3.053                     | 0                    | %100                |
| 17 | M76A         | X         | 0                            | 0                          | 0                    | %100                |
| 18 | M76A         | Z         | -3.053                       | -3.053                     | 0                    | %100                |
| 19 | M10          | X         | 0                            | 0                          | 0                    | %100                |
| 20 | M10          | Z         | -3.327                       | -3.327                     | 0                    | %100                |
| 21 | M43          | X         | 0                            | 0                          | 0                    | %100                |
| 22 | M43          | Z         | -3.327                       | -3.327                     | 0                    | %100                |
| 23 | M53          | X         | 0                            | 0                          | 0                    | %100                |
| 24 | M53          | Z         | -.832                        | -.832                      | 0                    | %100                |
| 25 | M54          | X         | 0                            | 0                          | 0                    | %100                |
| 26 | M54          | Z         | -.832                        | -.832                      | 0                    | %100                |
| 27 | M77A         | X         | 0                            | 0                          | 0                    | %100                |
| 28 | M77A         | Z         | -.832                        | -.832                      | 0                    | %100                |
| 29 | M78          | X         | 0                            | 0                          | 0                    | %100                |
| 30 | M78          | Z         | -.832                        | -.832                      | 0                    | %100                |
| 31 | MP3A         | X         | 0                            | 0                          | 0                    | %100                |
| 32 | MP3A         | Z         | -3.243                       | -3.243                     | 0                    | %100                |
| 33 | MP4A         | 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 Locationft. | End Locationft. |
|--------------|-----------|------------------------------|----------------------------|-------------------|-----------------|
| 34           | MP4A      | Z                            | -3.243                     | 0                 | %100            |
| 35           | MP2A      | X                            | 0                          | 0                 | %100            |
| 36           | MP2A      | Z                            | -3.243                     | 0                 | %100            |
| 37           | MP1A      | X                            | 0                          | 0                 | %100            |
| 38           | MP1A      | Z                            | -3.243                     | 0                 | %100            |
| 39           | MP3C      | X                            | 0                          | 0                 | %100            |
| 40           | MP3C      | Z                            | -3.243                     | 0                 | %100            |
| 41           | MP4C      | X                            | 0                          | 0                 | %100            |
| 42           | MP4C      | Z                            | -3.243                     | 0                 | %100            |
| 43           | MP2C      | X                            | 0                          | 0                 | %100            |
| 44           | MP2C      | Z                            | -3.243                     | 0                 | %100            |
| 45           | MP1C      | X                            | 0                          | 0                 | %100            |
| 46           | MP1C      | Z                            | -3.243                     | 0                 | %100            |
| 47           | MP3B      | X                            | 0                          | 0                 | %100            |
| 48           | MP3B      | Z                            | -3.243                     | 0                 | %100            |
| 49           | MP4B      | X                            | 0                          | 0                 | %100            |
| 50           | MP4B      | Z                            | -3.243                     | 0                 | %100            |
| 51           | MP2B      | X                            | 0                          | 0                 | %100            |
| 52           | MP2B      | Z                            | -3.243                     | 0                 | %100            |
| 53           | MP1B      | X                            | 0                          | 0                 | %100            |
| 54           | MP1B      | Z                            | -3.243                     | 0                 | %100            |
| 55           | M51B      | X                            | 0                          | 0                 | %100            |
| 56           | M51B      | Z                            | -.958                      | 0                 | %100            |
| 57           | M52B      | X                            | 0                          | 0                 | %100            |
| 58           | M52B      | Z                            | -.958                      | 0                 | %100            |
| 59           | M58A      | X                            | 0                          | 0                 | %100            |
| 60           | M58A      | Z                            | -.958                      | 0                 | %100            |
| 61           | M59A      | X                            | 0                          | 0                 | %100            |
| 62           | M59A      | Z                            | -3.832                     | 0                 | %100            |
| 63           | M82       | X                            | 0                          | 0                 | %100            |
| 64           | M82       | Z                            | -3.832                     | 0                 | %100            |
| 65           | M83A      | X                            | 0                          | 0                 | %100            |
| 66           | M83A      | Z                            | -.958                      | 0                 | %100            |
| 67           | M1        | X                            | 0                          | 0                 | %100            |
| 68           | M1        | Z                            | -4.032                     | 0                 | %100            |
| 69           | M82A      | X                            | 0                          | 0                 | %100            |
| 70           | M82A      | Z                            | -1.008                     | 0                 | %100            |
| 71           | M91B      | X                            | 0                          | 0                 | %100            |
| 72           | M91B      | Z                            | -1.008                     | 0                 | %100            |
| 73           | M76       | X                            | 0                          | 0                 | %100            |
| 74           | M76       | Z                            | 0                          | 0                 | %100            |
| 75           | M77       | X                            | 0                          | 0                 | %100            |
| 76           | M77       | Z                            | -1.301                     | 0                 | %100            |
| 77           | M84       | X                            | 0                          | 0                 | %100            |
| 78           | M84       | Z                            | 0                          | 0                 | %100            |
| 79           | M85       | X                            | 0                          | 0                 | %100            |
| 80           | M85       | Z                            | -1.301                     | 0                 | %100            |
| 81           | M63       | X                            | 0                          | 0                 | %100            |
| 82           | M63       | Z                            | -3.846                     | 0                 | %100            |
| 83           | M64       | X                            | 0                          | 0                 | %100            |
| 84           | M64       | Z                            | -1.301                     | 0                 | %100            |
| 85           | M68       | X                            | 0                          | 0                 | %100            |
| 86           | M68       | Z                            | -3.846                     | 0                 | %100            |
| 87           | M69       | X                            | 0                          | 0                 | %100            |
| 88           | M69       | Z                            | -5.206                     | 0                 | %100            |
| 89           | M87       | X                            | 0                          | 0                 | %100            |
| 90           | M87       | Z                            | -3.846                     | 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[f...] | End Location[ft...] |
|-----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 91  | M88A         | X         | 0                            | 0                          | 0                    | %100                |
| 92  | M88A         | Z         | -5.206                       | -5.206                     | 0                    | %100                |
| 93  | M92A         | X         | 0                            | 0                          | 0                    | %100                |
| 94  | M92A         | Z         | -3.846                       | -3.846                     | 0                    | %100                |
| 95  | M93          | X         | 0                            | 0                          | 0                    | %100                |
| 96  | M93          | Z         | -1.301                       | -1.301                     | 0                    | %100                |
| 97  | M46          | X         | 0                            | 0                          | 0                    | %100                |
| 98  | M46          | Z         | -5.216                       | -5.216                     | 0                    | %100                |
| 99  | M80          | X         | 0                            | 0                          | 0                    | %100                |
| 100 | M80          | Z         | -1.359                       | -1.359                     | 0                    | %100                |
| 101 | M91          | X         | 0                            | 0                          | 0                    | %100                |
| 102 | M91          | Z         | -1.359                       | -1.359                     | 0                    | %100                |
| 103 | M55          | X         | 0                            | 0                          | 0                    | %100                |
| 104 | M55          | Z         | -1.304                       | -1.304                     | 0                    | %100                |
| 105 | M66          | X         | 0                            | 0                          | 0                    | %100                |
| 106 | M66          | Z         | -1.359                       | -1.359                     | 0                    | %100                |
| 107 | M71          | X         | 0                            | 0                          | 0                    | %100                |
| 108 | M71          | Z         | -5.434                       | -5.434                     | 0                    | %100                |
| 109 | M79A         | X         | 0                            | 0                          | 0                    | %100                |
| 110 | M79A         | Z         | -1.304                       | -1.304                     | 0                    | %100                |
| 111 | M90          | X         | 0                            | 0                          | 0                    | %100                |
| 112 | M90          | Z         | -5.434                       | -5.434                     | 0                    | %100                |
| 113 | M95          | X         | 0                            | 0                          | 0                    | %100                |
| 114 | M95          | Z         | -1.359                       | -1.359                     | 0                    | %100                |
| 115 | OVP1         | X         | 0                            | 0                          | 0                    | %100                |
| 116 | OVP1         | Z         | -2.677                       | -2.677                     | 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[f...] | End Location[ft...] |
|----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 1  | M121         | X         | 1.056                        | 1.056                      | 0                    | %100                |
| 2  | M121         | Z         | -1.83                        | -1.83                      | 0                    | %100                |
| 3  | M122         | X         | 1.056                        | 1.056                      | 0                    | %100                |
| 4  | M122         | Z         | -1.83                        | -1.83                      | 0                    | %100                |
| 5  | M123         | X         | 0                            | 0                          | 0                    | %100                |
| 6  | M123         | Z         | 0                            | 0                          | 0                    | %100                |
| 7  | M100         | X         | 1.216                        | 1.216                      | 0                    | %100                |
| 8  | M100         | Z         | -2.106                       | -2.106                     | 0                    | %100                |
| 9  | M105         | X         | 1.216                        | 1.216                      | 0                    | %100                |
| 10 | M105         | Z         | -2.106                       | -2.106                     | 0                    | %100                |
| 11 | M106         | X         | 0                            | 0                          | 0                    | %100                |
| 12 | M106         | Z         | 0                            | 0                          | 0                    | %100                |
| 13 | M4           | X         | .509                         | .509                       | 0                    | %100                |
| 14 | M4           | Z         | -.881                        | -.881                      | 0                    | %100                |
| 15 | M52A         | X         | .509                         | .509                       | 0                    | %100                |
| 16 | M52A         | Z         | -.881                        | -.881                      | 0                    | %100                |
| 17 | M76A         | X         | 2.035                        | 2.035                      | 0                    | %100                |
| 18 | M76A         | Z         | -3.525                       | -3.525                     | 0                    | %100                |
| 19 | M10          | X         | 1.248                        | 1.248                      | 0                    | %100                |
| 20 | M10          | Z         | -2.161                       | -2.161                     | 0                    | %100                |
| 21 | M43          | X         | 1.248                        | 1.248                      | 0                    | %100                |
| 22 | M43          | Z         | -2.161                       | -2.161                     | 0                    | %100                |
| 23 | M53          | X         | 1.248                        | 1.248                      | 0                    | %100                |
| 24 | M53          | Z         | -2.161                       | -2.161                     | 0                    | %100                |
| 25 | M54          | X         | 1.248                        | 1.248                      | 0                    | %100                |
| 26 | M54          | Z         | -2.161                       | -2.161                     | 0                    | %100                |
| 27 | M77A         | X         | 0                            | 0                          | 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[f.. | End Location[ft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 28           | M77A      | Z                            | 0                          | 0                  | %100              |
| 29           | M78       | X                            | 0                          | 0                  | %100              |
| 30           | M78       | Z                            | 0                          | 0                  | %100              |
| 31           | MP3A      | X                            | 1.621                      | 1.621              | %100              |
| 32           | MP3A      | Z                            | -2.808                     | -2.808             | %100              |
| 33           | MP4A      | X                            | 1.621                      | 1.621              | %100              |
| 34           | MP4A      | Z                            | -2.808                     | -2.808             | %100              |
| 35           | MP2A      | X                            | 1.621                      | 1.621              | %100              |
| 36           | MP2A      | Z                            | -2.808                     | -2.808             | %100              |
| 37           | MP1A      | X                            | 1.621                      | 1.621              | %100              |
| 38           | MP1A      | Z                            | -2.808                     | -2.808             | %100              |
| 39           | MP3C      | X                            | 1.621                      | 1.621              | %100              |
| 40           | MP3C      | Z                            | -2.808                     | -2.808             | %100              |
| 41           | MP4C      | X                            | 1.621                      | 1.621              | %100              |
| 42           | MP4C      | Z                            | -2.808                     | -2.808             | %100              |
| 43           | MP2C      | X                            | 1.621                      | 1.621              | %100              |
| 44           | MP2C      | Z                            | -2.808                     | -2.808             | %100              |
| 45           | MP1C      | X                            | 1.621                      | 1.621              | %100              |
| 46           | MP1C      | Z                            | -2.808                     | -2.808             | %100              |
| 47           | MP3B      | X                            | 1.621                      | 1.621              | %100              |
| 48           | MP3B      | Z                            | -2.808                     | -2.808             | %100              |
| 49           | MP4B      | X                            | 1.621                      | 1.621              | %100              |
| 50           | MP4B      | Z                            | -2.808                     | -2.808             | %100              |
| 51           | MP2B      | X                            | 1.621                      | 1.621              | %100              |
| 52           | MP2B      | Z                            | -2.808                     | -2.808             | %100              |
| 53           | MP1B      | X                            | 1.621                      | 1.621              | %100              |
| 54           | MP1B      | Z                            | -2.808                     | -2.808             | %100              |
| 55           | M51B      | X                            | 1.437                      | 1.437              | %100              |
| 56           | M51B      | Z                            | -2.489                     | -2.489             | %100              |
| 57           | M52B      | X                            | 0                          | 0                  | %100              |
| 58           | M52B      | Z                            | 0                          | 0                  | %100              |
| 59           | M58A      | X                            | 0                          | 0                  | %100              |
| 60           | M58A      | Z                            | 0                          | 0                  | %100              |
| 61           | M59A      | X                            | 1.437                      | 1.437              | %100              |
| 62           | M59A      | Z                            | -2.489                     | -2.489             | %100              |
| 63           | M82       | X                            | 1.437                      | 1.437              | %100              |
| 64           | M82       | Z                            | -2.489                     | -2.489             | %100              |
| 65           | M83A      | X                            | 1.437                      | 1.437              | %100              |
| 66           | M83A      | Z                            | -2.489                     | -2.489             | %100              |
| 67           | M1        | X                            | 1.512                      | 1.512              | %100              |
| 68           | M1        | Z                            | -2.619                     | -2.619             | %100              |
| 69           | M82A      | X                            | 1.512                      | 1.512              | %100              |
| 70           | M82A      | Z                            | -2.619                     | -2.619             | %100              |
| 71           | M91B      | X                            | 0                          | 0                  | %100              |
| 72           | M91B      | Z                            | 0                          | 0                  | %100              |
| 73           | M76       | X                            | .641                       | .641               | %100              |
| 74           | M76       | Z                            | -1.11                      | -1.11              | %100              |
| 75           | M77       | X                            | 1.952                      | 1.952              | %100              |
| 76           | M77       | Z                            | -3.381                     | -3.381             | %100              |
| 77           | M84       | X                            | .641                       | .641               | %100              |
| 78           | M84       | Z                            | -1.11                      | -1.11              | %100              |
| 79           | M85       | X                            | 0                          | 0                  | %100              |
| 80           | M85       | Z                            | 0                          | 0                  | %100              |
| 81           | M63       | X                            | .641                       | .641               | %100              |
| 82           | M63       | Z                            | -1.11                      | -1.11              | %100              |
| 83           | M64       | X                            | 0                          | 0                  | %100              |
| 84           | M64       | Z                            | 0                          | 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[f.. | End Location[ft.. |
|-----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 85  | M68          | X         | .641                         | .641                       | 0                  | %100              |
| 86  | M68          | Z         | -1.11                        | -1.11                      | 0                  | %100              |
| 87  | M69          | X         | 1.952                        | 1.952                      | 0                  | %100              |
| 88  | M69          | Z         | -3.381                       | -3.381                     | 0                  | %100              |
| 89  | M87          | X         | 2.564                        | 2.564                      | 0                  | %100              |
| 90  | M87          | Z         | -4.441                       | -4.441                     | 0                  | %100              |
| 91  | M88A         | X         | 1.952                        | 1.952                      | 0                  | %100              |
| 92  | M88A         | Z         | -3.381                       | -3.381                     | 0                  | %100              |
| 93  | M92A         | X         | 2.564                        | 2.564                      | 0                  | %100              |
| 94  | M92A         | Z         | -4.441                       | -4.441                     | 0                  | %100              |
| 95  | M93          | X         | 1.952                        | 1.952                      | 0                  | %100              |
| 96  | M93          | Z         | -3.381                       | -3.381                     | 0                  | %100              |
| 97  | M46          | X         | 1.956                        | 1.956                      | 0                  | %100              |
| 98  | M46          | Z         | -3.388                       | -3.388                     | 0                  | %100              |
| 99  | M80          | X         | 2.038                        | 2.038                      | 0                  | %100              |
| 100 | M80          | Z         | -3.53                        | -3.53                      | 0                  | %100              |
| 101 | M91          | X         | 0                            | 0                          | 0                  | %100              |
| 102 | M91          | Z         | 0                            | 0                          | 0                  | %100              |
| 103 | M55          | X         | 1.956                        | 1.956                      | 0                  | %100              |
| 104 | M55          | Z         | -3.388                       | -3.388                     | 0                  | %100              |
| 105 | M66          | X         | 0                            | 0                          | 0                  | %100              |
| 106 | M66          | Z         | 0                            | 0                          | 0                  | %100              |
| 107 | M71          | X         | 2.038                        | 2.038                      | 0                  | %100              |
| 108 | M71          | Z         | -3.53                        | -3.53                      | 0                  | %100              |
| 109 | M79A         | X         | 0                            | 0                          | 0                  | %100              |
| 110 | M79A         | Z         | 0                            | 0                          | 0                  | %100              |
| 111 | M90          | X         | 2.038                        | 2.038                      | 0                  | %100              |
| 112 | M90          | Z         | -3.53                        | -3.53                      | 0                  | %100              |
| 113 | M95          | X         | 2.038                        | 2.038                      | 0                  | %100              |
| 114 | M95          | Z         | -3.53                        | -3.53                      | 0                  | %100              |
| 115 | OVP1         | X         | 1.338                        | 1.338                      | 0                  | %100              |
| 116 | OVP1         | Z         | -2.318                       | -2.318                     | 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[f.. | End Location[ft.. |
|----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 1  | M121         | X         | 2.44                         | 2.44                       | 0                  | %100              |
| 2  | M121         | Z         | -1.409                       | -1.409                     | 0                  | %100              |
| 3  | M122         | X         | .61                          | .61                        | 0                  | %100              |
| 4  | M122         | Z         | -.352                        | -.352                      | 0                  | %100              |
| 5  | M123         | X         | .61                          | .61                        | 0                  | %100              |
| 6  | M123         | Z         | -.352                        | -.352                      | 0                  | %100              |
| 7  | M100         | X         | .702                         | .702                       | 0                  | %100              |
| 8  | M100         | Z         | -.405                        | -.405                      | 0                  | %100              |
| 9  | M105         | X         | 2.808                        | 2.808                      | 0                  | %100              |
| 10 | M105         | Z         | -1.621                       | -1.621                     | 0                  | %100              |
| 11 | M106         | X         | .702                         | .702                       | 0                  | %100              |
| 12 | M106         | Z         | -.405                        | -.405                      | 0                  | %100              |
| 13 | M4           | X         | 2.644                        | 2.644                      | 0                  | %100              |
| 14 | M4           | Z         | -1.526                       | -1.526                     | 0                  | %100              |
| 15 | M52A         | X         | 0                            | 0                          | 0                  | %100              |
| 16 | M52A         | Z         | 0                            | 0                          | 0                  | %100              |
| 17 | M76A         | X         | 2.644                        | 2.644                      | 0                  | %100              |
| 18 | M76A         | Z         | -1.526                       | -1.526                     | 0                  | %100              |
| 19 | M10          | X         | .72                          | .72                        | 0                  | %100              |
| 20 | M10          | Z         | -.416                        | -.416                      | 0                  | %100              |
| 21 | M43          | X         | .72                          | .72                        | 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[f.. | End Location[ft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 22           | M43       | Z                            | - .416                     |                    | %100              |
| 23           | M53       | X                            | 2.881                      |                    | %100              |
| 24           | M53       | Z                            | -1.663                     |                    | %100              |
| 25           | M54       | X                            | 2.881                      |                    | %100              |
| 26           | M54       | Z                            | -1.663                     |                    | %100              |
| 27           | M77A      | X                            | .72                        |                    | %100              |
| 28           | M77A      | Z                            | -.416                      |                    | %100              |
| 29           | M78       | X                            | .72                        |                    | %100              |
| 30           | M78       | Z                            | -.416                      |                    | %100              |
| 31           | MP3A      | X                            | 2.808                      |                    | %100              |
| 32           | MP3A      | Z                            | -1.621                     |                    | %100              |
| 33           | MP4A      | X                            | 2.808                      |                    | %100              |
| 34           | MP4A      | Z                            | -1.621                     |                    | %100              |
| 35           | MP2A      | X                            | 2.808                      |                    | %100              |
| 36           | MP2A      | Z                            | -1.621                     |                    | %100              |
| 37           | MP1A      | X                            | 2.808                      |                    | %100              |
| 38           | MP1A      | Z                            | -1.621                     |                    | %100              |
| 39           | MP3C      | X                            | 2.808                      |                    | %100              |
| 40           | MP3C      | Z                            | -1.621                     |                    | %100              |
| 41           | MP4C      | X                            | 2.808                      |                    | %100              |
| 42           | MP4C      | Z                            | -1.621                     |                    | %100              |
| 43           | MP2C      | X                            | 2.808                      |                    | %100              |
| 44           | MP2C      | Z                            | -1.621                     |                    | %100              |
| 45           | MP1C      | X                            | 2.808                      |                    | %100              |
| 46           | MP1C      | Z                            | -1.621                     |                    | %100              |
| 47           | MP3B      | X                            | 2.808                      |                    | %100              |
| 48           | MP3B      | Z                            | -1.621                     |                    | %100              |
| 49           | MP4B      | X                            | 2.808                      |                    | %100              |
| 50           | MP4B      | Z                            | -1.621                     |                    | %100              |
| 51           | MP2B      | X                            | 2.808                      |                    | %100              |
| 52           | MP2B      | Z                            | -1.621                     |                    | %100              |
| 53           | MP1B      | X                            | 2.808                      |                    | %100              |
| 54           | MP1B      | Z                            | -1.621                     |                    | %100              |
| 55           | M51B      | X                            | 3.319                      |                    | %100              |
| 56           | M51B      | Z                            | -1.916                     |                    | %100              |
| 57           | M52B      | X                            | .83                        |                    | %100              |
| 58           | M52B      | Z                            | -.479                      |                    | %100              |
| 59           | M58A      | X                            | .83                        |                    | %100              |
| 60           | M58A      | Z                            | -.479                      |                    | %100              |
| 61           | M59A      | X                            | .83                        |                    | %100              |
| 62           | M59A      | Z                            | -.479                      |                    | %100              |
| 63           | M82       | X                            | .83                        |                    | %100              |
| 64           | M82       | Z                            | -.479                      |                    | %100              |
| 65           | M83A      | X                            | 3.319                      |                    | %100              |
| 66           | M83A      | Z                            | -1.916                     |                    | %100              |
| 67           | M1        | X                            | .873                       |                    | %100              |
| 68           | M1        | Z                            | -.504                      |                    | %100              |
| 69           | M82A      | X                            | 3.492                      |                    | %100              |
| 70           | M82A      | Z                            | -2.016                     |                    | %100              |
| 71           | M91B      | X                            | .873                       |                    | %100              |
| 72           | M91B      | Z                            | -.504                      |                    | %100              |
| 73           | M76       | X                            | 3.331                      |                    | %100              |
| 74           | M76       | Z                            | -1.923                     |                    | %100              |
| 75           | M77       | X                            | 4.508                      |                    | %100              |
| 76           | M77       | Z                            | -2.603                     |                    | %100              |
| 77           | M84       | X                            | 3.331                      |                    | %100              |
| 78           | M84       | Z                            | -1.923                     |                    | %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[f.. | End Location[ft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 79           | M85       | X                            | 1.127                      | 0                  | %100              |
| 80           | M85       | Z                            | -0.651                     | 0                  | %100              |
| 81           | M63       | X                            | 0                          | 0                  | %100              |
| 82           | M63       | Z                            | 0                          | 0                  | %100              |
| 83           | M64       | X                            | 1.127                      | 0                  | %100              |
| 84           | M64       | Z                            | -0.651                     | 0                  | %100              |
| 85           | M68       | X                            | 0                          | 0                  | %100              |
| 86           | M68       | Z                            | 0                          | 0                  | %100              |
| 87           | M69       | X                            | 1.127                      | 0                  | %100              |
| 88           | M69       | Z                            | -0.651                     | 0                  | %100              |
| 89           | M87       | X                            | 3.331                      | 0                  | %100              |
| 90           | M87       | Z                            | -1.923                     | 0                  | %100              |
| 91           | M88A      | X                            | 1.127                      | 0                  | %100              |
| 92           | M88A      | Z                            | -0.651                     | 0                  | %100              |
| 93           | M92A      | X                            | 3.331                      | 0                  | %100              |
| 94           | M92A      | Z                            | -1.923                     | 0                  | %100              |
| 95           | M93       | X                            | 4.508                      | 0                  | %100              |
| 96           | M93       | Z                            | -2.603                     | 0                  | %100              |
| 97           | M46       | X                            | 1.129                      | 0                  | %100              |
| 98           | M46       | Z                            | -0.652                     | 0                  | %100              |
| 99           | M80       | X                            | 4.706                      | 0                  | %100              |
| 100          | M80       | Z                            | -2.717                     | 0                  | %100              |
| 101          | M91       | X                            | 1.177                      | 0                  | %100              |
| 102          | M91       | Z                            | -0.679                     | 0                  | %100              |
| 103          | M55       | X                            | 4.517                      | 0                  | %100              |
| 104          | M55       | Z                            | -2.608                     | 0                  | %100              |
| 105          | M66       | X                            | 1.177                      | 0                  | %100              |
| 106          | M66       | Z                            | -0.679                     | 0                  | %100              |
| 107          | M71       | X                            | 1.177                      | 0                  | %100              |
| 108          | M71       | Z                            | -0.679                     | 0                  | %100              |
| 109          | M79A      | X                            | 1.129                      | 0                  | %100              |
| 110          | M79A      | Z                            | -0.652                     | 0                  | %100              |
| 111          | M90       | X                            | 1.177                      | 0                  | %100              |
| 112          | M90       | Z                            | -0.679                     | 0                  | %100              |
| 113          | M95       | X                            | 4.706                      | 0                  | %100              |
| 114          | M95       | Z                            | -2.717                     | 0                  | %100              |
| 115          | OVP1      | X                            | 2.318                      | 0                  | %100              |
| 116          | OVP1      | Z                            | -1.338                     | 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[f.. | End Location[ft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 1            | M121      | X                            | 2.113                      | 0                  | %100              |
| 2            | M121      | Z                            | 0                          | 0                  | %100              |
| 3            | M122      | X                            | 0                          | 0                  | %100              |
| 4            | M122      | Z                            | 0                          | 0                  | %100              |
| 5            | M123      | X                            | 2.113                      | 0                  | %100              |
| 6            | M123      | Z                            | 0                          | 0                  | %100              |
| 7            | M100      | X                            | 0                          | 0                  | %100              |
| 8            | M100      | Z                            | 0                          | 0                  | %100              |
| 9            | M105      | X                            | 2.432                      | 0                  | %100              |
| 10           | M105      | Z                            | 0                          | 0                  | %100              |
| 11           | M106      | X                            | 2.432                      | 0                  | %100              |
| 12           | M106      | Z                            | 0                          | 0                  | %100              |
| 13           | M4        | X                            | 4.07                       | 0                  | %100              |
| 14           | M4        | Z                            | 0                          | 0                  | %100              |
| 15           | M52A      | X                            | 1.018                      | 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[f.. | End Location[ft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 16           | M52A      | Z                            | 0                          | 0                  | %100              |
| 17           | M76A      | X                            | 1.018                      | 0                  | %100              |
| 18           | M76A      | Z                            | 0                          | 0                  | %100              |
| 19           | M10       | X                            | 0                          | 0                  | %100              |
| 20           | M10       | Z                            | 0                          | 0                  | %100              |
| 21           | M43       | X                            | 0                          | 0                  | %100              |
| 22           | M43       | Z                            | 0                          | 0                  | %100              |
| 23           | M53       | X                            | 2.495                      | 0                  | %100              |
| 24           | M53       | Z                            | 0                          | 0                  | %100              |
| 25           | M54       | X                            | 2.495                      | 0                  | %100              |
| 26           | M54       | Z                            | 0                          | 0                  | %100              |
| 27           | M77A      | X                            | 2.495                      | 0                  | %100              |
| 28           | M77A      | Z                            | 0                          | 0                  | %100              |
| 29           | M78       | X                            | 2.495                      | 0                  | %100              |
| 30           | M78       | Z                            | 0                          | 0                  | %100              |
| 31           | MP3A      | X                            | 3.243                      | 0                  | %100              |
| 32           | MP3A      | Z                            | 0                          | 0                  | %100              |
| 33           | MP4A      | X                            | 3.243                      | 0                  | %100              |
| 34           | MP4A      | Z                            | 0                          | 0                  | %100              |
| 35           | MP2A      | X                            | 3.243                      | 0                  | %100              |
| 36           | MP2A      | Z                            | 0                          | 0                  | %100              |
| 37           | MP1A      | X                            | 3.243                      | 0                  | %100              |
| 38           | MP1A      | Z                            | 0                          | 0                  | %100              |
| 39           | MP3C      | X                            | 3.243                      | 0                  | %100              |
| 40           | MP3C      | Z                            | 0                          | 0                  | %100              |
| 41           | MP4C      | X                            | 3.243                      | 0                  | %100              |
| 42           | MP4C      | Z                            | 0                          | 0                  | %100              |
| 43           | MP2C      | X                            | 3.243                      | 0                  | %100              |
| 44           | MP2C      | Z                            | 0                          | 0                  | %100              |
| 45           | MP1C      | X                            | 3.243                      | 0                  | %100              |
| 46           | MP1C      | Z                            | 0                          | 0                  | %100              |
| 47           | MP3B      | X                            | 3.243                      | 0                  | %100              |
| 48           | MP3B      | Z                            | 0                          | 0                  | %100              |
| 49           | MP4B      | X                            | 3.243                      | 0                  | %100              |
| 50           | MP4B      | Z                            | 0                          | 0                  | %100              |
| 51           | MP2B      | X                            | 3.243                      | 0                  | %100              |
| 52           | MP2B      | Z                            | 0                          | 0                  | %100              |
| 53           | MP1B      | X                            | 3.243                      | 0                  | %100              |
| 54           | MP1B      | Z                            | 0                          | 0                  | %100              |
| 55           | M51B      | X                            | 2.874                      | 0                  | %100              |
| 56           | M51B      | Z                            | 0                          | 0                  | %100              |
| 57           | M52B      | X                            | 2.874                      | 0                  | %100              |
| 58           | M52B      | Z                            | 0                          | 0                  | %100              |
| 59           | M58A      | X                            | 2.874                      | 0                  | %100              |
| 60           | M58A      | Z                            | 0                          | 0                  | %100              |
| 61           | M59A      | X                            | 0                          | 0                  | %100              |
| 62           | M59A      | Z                            | 0                          | 0                  | %100              |
| 63           | M82       | X                            | 0                          | 0                  | %100              |
| 64           | M82       | Z                            | 0                          | 0                  | %100              |
| 65           | M83A      | X                            | 2.874                      | 0                  | %100              |
| 66           | M83A      | Z                            | 0                          | 0                  | %100              |
| 67           | M1        | X                            | 0                          | 0                  | %100              |
| 68           | M1        | Z                            | 0                          | 0                  | %100              |
| 69           | M82A      | X                            | 3.024                      | 0                  | %100              |
| 70           | M82A      | Z                            | 0                          | 0                  | %100              |
| 71           | M91B      | X                            | 3.024                      | 0                  | %100              |
| 72           | M91B      | Z                            | 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[f.. | End Location[ft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 73           | M76       | X                            | 5.128                      | 0                  | %100              |
| 74           | M76       | Z                            | 0                          | 0                  | %100              |
| 75           | M77       | X                            | 3.904                      | 0                  | %100              |
| 76           | M77       | Z                            | 0                          | 0                  | %100              |
| 77           | M84       | X                            | 5.128                      | 0                  | %100              |
| 78           | M84       | Z                            | 0                          | 0                  | %100              |
| 79           | M85       | X                            | 3.904                      | 0                  | %100              |
| 80           | M85       | Z                            | 0                          | 0                  | %100              |
| 81           | M63       | X                            | 1.282                      | 0                  | %100              |
| 82           | M63       | Z                            | 0                          | 0                  | %100              |
| 83           | M64       | X                            | 3.904                      | 0                  | %100              |
| 84           | M64       | Z                            | 0                          | 0                  | %100              |
| 85           | M68       | X                            | 1.282                      | 0                  | %100              |
| 86           | M68       | Z                            | 0                          | 0                  | %100              |
| 87           | M69       | X                            | 0                          | 0                  | %100              |
| 88           | M69       | Z                            | 0                          | 0                  | %100              |
| 89           | M87       | X                            | 1.282                      | 0                  | %100              |
| 90           | M87       | Z                            | 0                          | 0                  | %100              |
| 91           | M88A      | X                            | 0                          | 0                  | %100              |
| 92           | M88A      | Z                            | 0                          | 0                  | %100              |
| 93           | M92A      | X                            | 1.282                      | 0                  | %100              |
| 94           | M92A      | Z                            | 0                          | 0                  | %100              |
| 95           | M93       | X                            | 3.904                      | 0                  | %100              |
| 96           | M93       | Z                            | 0                          | 0                  | %100              |
| 97           | M46       | X                            | 0                          | 0                  | %100              |
| 98           | M46       | Z                            | 0                          | 0                  | %100              |
| 99           | M80       | X                            | 4.076                      | 0                  | %100              |
| 100          | M80       | Z                            | 0                          | 0                  | %100              |
| 101          | M91       | X                            | 4.076                      | 0                  | %100              |
| 102          | M91       | Z                            | 0                          | 0                  | %100              |
| 103          | M55       | X                            | 3.912                      | 0                  | %100              |
| 104          | M55       | Z                            | 0                          | 0                  | %100              |
| 105          | M66       | X                            | 4.076                      | 0                  | %100              |
| 106          | M66       | Z                            | 0                          | 0                  | %100              |
| 107          | M71       | X                            | 0                          | 0                  | %100              |
| 108          | M71       | Z                            | 0                          | 0                  | %100              |
| 109          | M79A      | X                            | 3.912                      | 0                  | %100              |
| 110          | M79A      | Z                            | 0                          | 0                  | %100              |
| 111          | M90       | X                            | 0                          | 0                  | %100              |
| 112          | M90       | Z                            | 0                          | 0                  | %100              |
| 113          | M95       | X                            | 4.076                      | 0                  | %100              |
| 114          | M95       | Z                            | 0                          | 0                  | %100              |
| 115          | OVP1      | X                            | 2.677                      | 0                  | %100              |
| 116          | OVP1      | Z                            | 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[f.. | End Location[ft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 1            | M121      | X                            | .61                        | 0                  | %100              |
| 2            | M121      | Z                            | .352                       | 0                  | %100              |
| 3            | M122      | X                            | .61                        | 0                  | %100              |
| 4            | M122      | Z                            | .352                       | 0                  | %100              |
| 5            | M123      | X                            | 2.44                       | 0                  | %100              |
| 6            | M123      | Z                            | 1.409                      | 0                  | %100              |
| 7            | M100      | X                            | .702                       | 0                  | %100              |
| 8            | M100      | Z                            | .405                       | 0                  | %100              |
| 9            | M105      | X                            | .702                       | 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 Locationft. | End Locationft. |
|--------------|-----------|------------------------------|----------------------------|-------------------|-----------------|
| 10           | M105      | Z                            | .405                       | 0                 | %100            |
| 11           | M106      | X                            | 2.808                      | 0                 | %100            |
| 12           | M106      | Z                            | 1.621                      | 0                 | %100            |
| 13           | M4        | X                            | 2.644                      | 0                 | %100            |
| 14           | M4        | Z                            | 1.526                      | 0                 | %100            |
| 15           | M52A      | X                            | 2.644                      | 0                 | %100            |
| 16           | M52A      | Z                            | 1.526                      | 0                 | %100            |
| 17           | M76A      | X                            | 0                          | 0                 | %100            |
| 18           | M76A      | Z                            | 0                          | 0                 | %100            |
| 19           | M10       | X                            | .72                        | 0                 | %100            |
| 20           | M10       | Z                            | .416                       | 0                 | %100            |
| 21           | M43       | X                            | .72                        | 0                 | %100            |
| 22           | M43       | Z                            | .416                       | 0                 | %100            |
| 23           | M53       | X                            | .72                        | 0                 | %100            |
| 24           | M53       | Z                            | .416                       | 0                 | %100            |
| 25           | M54       | X                            | .72                        | 0                 | %100            |
| 26           | M54       | Z                            | .416                       | 0                 | %100            |
| 27           | M77A      | X                            | 2.881                      | 0                 | %100            |
| 28           | M77A      | Z                            | 1.663                      | 0                 | %100            |
| 29           | M78       | X                            | 2.881                      | 0                 | %100            |
| 30           | M78       | Z                            | 1.663                      | 0                 | %100            |
| 31           | MP3A      | X                            | 2.808                      | 0                 | %100            |
| 32           | MP3A      | Z                            | 1.621                      | 0                 | %100            |
| 33           | MP4A      | X                            | 2.808                      | 0                 | %100            |
| 34           | MP4A      | Z                            | 1.621                      | 0                 | %100            |
| 35           | MP2A      | X                            | 2.808                      | 0                 | %100            |
| 36           | MP2A      | Z                            | 1.621                      | 0                 | %100            |
| 37           | MP1A      | X                            | 2.808                      | 0                 | %100            |
| 38           | MP1A      | Z                            | 1.621                      | 0                 | %100            |
| 39           | MP3C      | X                            | 2.808                      | 0                 | %100            |
| 40           | MP3C      | Z                            | 1.621                      | 0                 | %100            |
| 41           | MP4C      | X                            | 2.808                      | 0                 | %100            |
| 42           | MP4C      | Z                            | 1.621                      | 0                 | %100            |
| 43           | MP2C      | X                            | 2.808                      | 0                 | %100            |
| 44           | MP2C      | Z                            | 1.621                      | 0                 | %100            |
| 45           | MP1C      | X                            | 2.808                      | 0                 | %100            |
| 46           | MP1C      | Z                            | 1.621                      | 0                 | %100            |
| 47           | MP3B      | X                            | 2.808                      | 0                 | %100            |
| 48           | MP3B      | Z                            | 1.621                      | 0                 | %100            |
| 49           | MP4B      | X                            | 2.808                      | 0                 | %100            |
| 50           | MP4B      | Z                            | 1.621                      | 0                 | %100            |
| 51           | MP2B      | X                            | 2.808                      | 0                 | %100            |
| 52           | MP2B      | Z                            | 1.621                      | 0                 | %100            |
| 53           | MP1B      | X                            | 2.808                      | 0                 | %100            |
| 54           | MP1B      | Z                            | 1.621                      | 0                 | %100            |
| 55           | M51B      | X                            | .83                        | 0                 | %100            |
| 56           | M51B      | Z                            | .479                       | 0                 | %100            |
| 57           | M52B      | X                            | 3.319                      | 0                 | %100            |
| 58           | M52B      | Z                            | 1.916                      | 0                 | %100            |
| 59           | M58A      | X                            | 3.319                      | 0                 | %100            |
| 60           | M58A      | Z                            | 1.916                      | 0                 | %100            |
| 61           | M59A      | X                            | .83                        | 0                 | %100            |
| 62           | M59A      | Z                            | .479                       | 0                 | %100            |
| 63           | M82       | X                            | .83                        | 0                 | %100            |
| 64           | M82       | Z                            | .479                       | 0                 | %100            |
| 65           | M83A      | X                            | .83                        | 0                 | %100            |
| 66           | M83A      | Z                            | .479                       | 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[f...] | End Location[ft...] |
|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 67           | M1        | X                            | .873                       | .873                 | 0 %100              |
| 68           | M1        | Z                            | .504                       | .504                 | 0 %100              |
| 69           | M82A      | X                            | .873                       | .873                 | 0 %100              |
| 70           | M82A      | Z                            | .504                       | .504                 | 0 %100              |
| 71           | M91B      | X                            | 3.492                      | 3.492                | 0 %100              |
| 72           | M91B      | Z                            | 2.016                      | 2.016                | 0 %100              |
| 73           | M76       | X                            | 3.331                      | 3.331                | 0 %100              |
| 74           | M76       | Z                            | 1.923                      | 1.923                | 0 %100              |
| 75           | M77       | X                            | 1.127                      | 1.127                | 0 %100              |
| 76           | M77       | Z                            | .651                       | .651                 | 0 %100              |
| 77           | M84       | X                            | 3.331                      | 3.331                | 0 %100              |
| 78           | M84       | Z                            | 1.923                      | 1.923                | 0 %100              |
| 79           | M85       | X                            | 4.508                      | 4.508                | 0 %100              |
| 80           | M85       | Z                            | 2.603                      | 2.603                | 0 %100              |
| 81           | M63       | X                            | 3.331                      | 3.331                | 0 %100              |
| 82           | M63       | Z                            | 1.923                      | 1.923                | 0 %100              |
| 83           | M64       | X                            | 4.508                      | 4.508                | 0 %100              |
| 84           | M64       | Z                            | 2.603                      | 2.603                | 0 %100              |
| 85           | M68       | X                            | 3.331                      | 3.331                | 0 %100              |
| 86           | M68       | Z                            | 1.923                      | 1.923                | 0 %100              |
| 87           | M69       | X                            | 1.127                      | 1.127                | 0 %100              |
| 88           | M69       | Z                            | .651                       | .651                 | 0 %100              |
| 89           | M87       | X                            | 0                          | 0                    | 0 %100              |
| 90           | M87       | Z                            | 0                          | 0                    | 0 %100              |
| 91           | M88A      | X                            | 1.127                      | 1.127                | 0 %100              |
| 92           | M88A      | Z                            | .651                       | .651                 | 0 %100              |
| 93           | M92A      | X                            | 0                          | 0                    | 0 %100              |
| 94           | M92A      | Z                            | 0                          | 0                    | 0 %100              |
| 95           | M93       | X                            | 1.127                      | 1.127                | 0 %100              |
| 96           | M93       | Z                            | .651                       | .651                 | 0 %100              |
| 97           | M46       | X                            | 1.129                      | 1.129                | 0 %100              |
| 98           | M46       | Z                            | .652                       | .652                 | 0 %100              |
| 99           | M80       | X                            | 1.177                      | 1.177                | 0 %100              |
| 100          | M80       | Z                            | .679                       | .679                 | 0 %100              |
| 101          | M91       | X                            | 4.706                      | 4.706                | 0 %100              |
| 102          | M91       | Z                            | 2.717                      | 2.717                | 0 %100              |
| 103          | M55       | X                            | 1.129                      | 1.129                | 0 %100              |
| 104          | M55       | Z                            | .652                       | .652                 | 0 %100              |
| 105          | M66       | X                            | 4.706                      | 4.706                | 0 %100              |
| 106          | M66       | Z                            | 2.717                      | 2.717                | 0 %100              |
| 107          | M71       | X                            | 1.177                      | 1.177                | 0 %100              |
| 108          | M71       | Z                            | .679                       | .679                 | 0 %100              |
| 109          | M79A      | X                            | 4.517                      | 4.517                | 0 %100              |
| 110          | M79A      | Z                            | 2.608                      | 2.608                | 0 %100              |
| 111          | M90       | X                            | 1.177                      | 1.177                | 0 %100              |
| 112          | M90       | Z                            | .679                       | .679                 | 0 %100              |
| 113          | M95       | X                            | 1.177                      | 1.177                | 0 %100              |
| 114          | M95       | Z                            | .679                       | .679                 | 0 %100              |
| 115          | OVP1      | X                            | 2.318                      | 2.318                | 0 %100              |
| 116          | OVP1      | Z                            | 1.338                      | 1.338                | 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[f...] | End Location[ft...] |
|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 1            | M121      | X                            | 0                          | 0                    | 0 %100              |
| 2            | M121      | Z                            | 0                          | 0                    | 0 %100              |
| 3            | M122      | X                            | 1.056                      | 1.056                | 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[f.. | End Location[ft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 4            | M122      | Z                            | 1.83                       | 0                  | %100              |
| 5            | M123      | X                            | 1.056                      | 0                  | %100              |
| 6            | M123      | Z                            | 1.83                       | 0                  | %100              |
| 7            | M100      | X                            | 1.216                      | 0                  | %100              |
| 8            | M100      | Z                            | 2.106                      | 0                  | %100              |
| 9            | M105      | X                            | 0                          | 0                  | %100              |
| 10           | M105      | Z                            | 0                          | 0                  | %100              |
| 11           | M106      | X                            | 1.216                      | 0                  | %100              |
| 12           | M106      | Z                            | 2.106                      | 0                  | %100              |
| 13           | M4        | X                            | .509                       | 0                  | %100              |
| 14           | M4        | Z                            | .881                       | 0                  | %100              |
| 15           | M52A      | X                            | 2.035                      | 0                  | %100              |
| 16           | M52A      | Z                            | 3.525                      | 0                  | %100              |
| 17           | M76A      | X                            | .509                       | 0                  | %100              |
| 18           | M76A      | Z                            | .881                       | 0                  | %100              |
| 19           | M10       | X                            | 1.248                      | 0                  | %100              |
| 20           | M10       | Z                            | 2.161                      | 0                  | %100              |
| 21           | M43       | X                            | 1.248                      | 0                  | %100              |
| 22           | M43       | Z                            | 2.161                      | 0                  | %100              |
| 23           | M53       | X                            | 0                          | 0                  | %100              |
| 24           | M53       | Z                            | 0                          | 0                  | %100              |
| 25           | M54       | X                            | 0                          | 0                  | %100              |
| 26           | M54       | Z                            | 0                          | 0                  | %100              |
| 27           | M77A      | X                            | 1.248                      | 0                  | %100              |
| 28           | M77A      | Z                            | 2.161                      | 0                  | %100              |
| 29           | M78       | X                            | 1.248                      | 0                  | %100              |
| 30           | M78       | Z                            | 2.161                      | 0                  | %100              |
| 31           | MP3A      | X                            | 1.621                      | 0                  | %100              |
| 32           | MP3A      | Z                            | 2.808                      | 0                  | %100              |
| 33           | MP4A      | X                            | 1.621                      | 0                  | %100              |
| 34           | MP4A      | Z                            | 2.808                      | 0                  | %100              |
| 35           | MP2A      | X                            | 1.621                      | 0                  | %100              |
| 36           | MP2A      | Z                            | 2.808                      | 0                  | %100              |
| 37           | MP1A      | X                            | 1.621                      | 0                  | %100              |
| 38           | MP1A      | Z                            | 2.808                      | 0                  | %100              |
| 39           | MP3C      | X                            | 1.621                      | 0                  | %100              |
| 40           | MP3C      | Z                            | 2.808                      | 0                  | %100              |
| 41           | MP4C      | X                            | 1.621                      | 0                  | %100              |
| 42           | MP4C      | Z                            | 2.808                      | 0                  | %100              |
| 43           | MP2C      | X                            | 1.621                      | 0                  | %100              |
| 44           | MP2C      | Z                            | 2.808                      | 0                  | %100              |
| 45           | MP1C      | X                            | 1.621                      | 0                  | %100              |
| 46           | MP1C      | Z                            | 2.808                      | 0                  | %100              |
| 47           | MP3B      | X                            | 1.621                      | 0                  | %100              |
| 48           | MP3B      | Z                            | 2.808                      | 0                  | %100              |
| 49           | MP4B      | X                            | 1.621                      | 0                  | %100              |
| 50           | MP4B      | Z                            | 2.808                      | 0                  | %100              |
| 51           | MP2B      | X                            | 1.621                      | 0                  | %100              |
| 52           | MP2B      | Z                            | 2.808                      | 0                  | %100              |
| 53           | MP1B      | X                            | 1.621                      | 0                  | %100              |
| 54           | MP1B      | Z                            | 2.808                      | 0                  | %100              |
| 55           | M51B      | X                            | 0                          | 0                  | %100              |
| 56           | M51B      | Z                            | 0                          | 0                  | %100              |
| 57           | M52B      | X                            | 1.437                      | 0                  | %100              |
| 58           | M52B      | Z                            | 2.489                      | 0                  | %100              |
| 59           | M58A      | X                            | 1.437                      | 0                  | %100              |
| 60           | M58A      | Z                            | 2.489                      | 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[f...] | End Location[ft...] |
|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 61           | M59A      | X                            | 1.437                      | 1.437                | 0 %100              |
| 62           | M59A      | Z                            | 2.489                      | 2.489                | 0 %100              |
| 63           | M82       | X                            | 1.437                      | 1.437                | 0 %100              |
| 64           | M82       | Z                            | 2.489                      | 2.489                | 0 %100              |
| 65           | M83A      | X                            | 0                          | 0                    | 0 %100              |
| 66           | M83A      | Z                            | 0                          | 0                    | 0 %100              |
| 67           | M1        | X                            | 1.512                      | 1.512                | 0 %100              |
| 68           | M1        | Z                            | 2.619                      | 2.619                | 0 %100              |
| 69           | M82A      | X                            | 0                          | 0                    | 0 %100              |
| 70           | M82A      | Z                            | 0                          | 0                    | 0 %100              |
| 71           | M91B      | X                            | 1.512                      | 1.512                | 0 %100              |
| 72           | M91B      | Z                            | 2.619                      | 2.619                | 0 %100              |
| 73           | M76       | X                            | .641                       | .641                 | 0 %100              |
| 74           | M76       | Z                            | 1.11                       | 1.11                 | 0 %100              |
| 75           | M77       | X                            | 0                          | 0                    | 0 %100              |
| 76           | M77       | Z                            | 0                          | 0                    | 0 %100              |
| 77           | M84       | X                            | .641                       | .641                 | 0 %100              |
| 78           | M84       | Z                            | 1.11                       | 1.11                 | 0 %100              |
| 79           | M85       | X                            | 1.952                      | 1.952                | 0 %100              |
| 80           | M85       | Z                            | 3.381                      | 3.381                | 0 %100              |
| 81           | M63       | X                            | 2.564                      | 2.564                | 0 %100              |
| 82           | M63       | Z                            | 4.441                      | 4.441                | 0 %100              |
| 83           | M64       | X                            | 1.952                      | 1.952                | 0 %100              |
| 84           | M64       | Z                            | 3.381                      | 3.381                | 0 %100              |
| 85           | M68       | X                            | 2.564                      | 2.564                | 0 %100              |
| 86           | M68       | Z                            | 4.441                      | 4.441                | 0 %100              |
| 87           | M69       | X                            | 1.952                      | 1.952                | 0 %100              |
| 88           | M69       | Z                            | 3.381                      | 3.381                | 0 %100              |
| 89           | M87       | X                            | .641                       | .641                 | 0 %100              |
| 90           | M87       | Z                            | 1.11                       | 1.11                 | 0 %100              |
| 91           | M88A      | X                            | 1.952                      | 1.952                | 0 %100              |
| 92           | M88A      | Z                            | 3.381                      | 3.381                | 0 %100              |
| 93           | M92A      | X                            | .641                       | .641                 | 0 %100              |
| 94           | M92A      | Z                            | 1.11                       | 1.11                 | 0 %100              |
| 95           | M93       | X                            | 0                          | 0                    | 0 %100              |
| 96           | M93       | Z                            | 0                          | 0                    | 0 %100              |
| 97           | M46       | X                            | 1.956                      | 1.956                | 0 %100              |
| 98           | M46       | Z                            | 3.388                      | 3.388                | 0 %100              |
| 99           | M80       | X                            | 0                          | 0                    | 0 %100              |
| 100          | M80       | Z                            | 0                          | 0                    | 0 %100              |
| 101          | M91       | X                            | 2.038                      | 2.038                | 0 %100              |
| 102          | M91       | Z                            | 3.53                       | 3.53                 | 0 %100              |
| 103          | M55       | X                            | 0                          | 0                    | 0 %100              |
| 104          | M55       | Z                            | 0                          | 0                    | 0 %100              |
| 105          | M66       | X                            | 2.038                      | 2.038                | 0 %100              |
| 106          | M66       | Z                            | 3.53                       | 3.53                 | 0 %100              |
| 107          | M71       | X                            | 2.038                      | 2.038                | 0 %100              |
| 108          | M71       | Z                            | 3.53                       | 3.53                 | 0 %100              |
| 109          | M79A      | X                            | 1.956                      | 1.956                | 0 %100              |
| 110          | M79A      | Z                            | 3.388                      | 3.388                | 0 %100              |
| 111          | M90       | X                            | 2.038                      | 2.038                | 0 %100              |
| 112          | M90       | Z                            | 3.53                       | 3.53                 | 0 %100              |
| 113          | M95       | X                            | 0                          | 0                    | 0 %100              |
| 114          | M95       | Z                            | 0                          | 0                    | 0 %100              |
| 115          | OVP1      | X                            | 1.338                      | 1.338                | 0 %100              |
| 116          | OVP1      | Z                            | 2.318                      | 2.318                | 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[f...] | End Location[ft...] |
|----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 1  | M121         | X         | 0                            | 0                          | 0                    | %100                |
| 2  | M121         | Z         | .704                         | .704                       | 0                    | %100                |
| 3  | M122         | X         | 0                            | 0                          | 0                    | %100                |
| 4  | M122         | Z         | 2.817                        | 2.817                      | 0                    | %100                |
| 5  | M123         | X         | 0                            | 0                          | 0                    | %100                |
| 6  | M123         | Z         | .704                         | .704                       | 0                    | %100                |
| 7  | M100         | X         | 0                            | 0                          | 0                    | %100                |
| 8  | M100         | Z         | 3.243                        | 3.243                      | 0                    | %100                |
| 9  | M105         | X         | 0                            | 0                          | 0                    | %100                |
| 10 | M105         | Z         | .811                         | .811                       | 0                    | %100                |
| 11 | M106         | X         | 0                            | 0                          | 0                    | %100                |
| 12 | M106         | Z         | .811                         | .811                       | 0                    | %100                |
| 13 | M4           | X         | 0                            | 0                          | 0                    | %100                |
| 14 | M4           | Z         | 0                            | 0                          | 0                    | %100                |
| 15 | M52A         | X         | 0                            | 0                          | 0                    | %100                |
| 16 | M52A         | Z         | 3.053                        | 3.053                      | 0                    | %100                |
| 17 | M76A         | X         | 0                            | 0                          | 0                    | %100                |
| 18 | M76A         | Z         | 3.053                        | 3.053                      | 0                    | %100                |
| 19 | M10          | X         | 0                            | 0                          | 0                    | %100                |
| 20 | M10          | Z         | 3.327                        | 3.327                      | 0                    | %100                |
| 21 | M43          | X         | 0                            | 0                          | 0                    | %100                |
| 22 | M43          | Z         | 3.327                        | 3.327                      | 0                    | %100                |
| 23 | M53          | X         | 0                            | 0                          | 0                    | %100                |
| 24 | M53          | Z         | .832                         | .832                       | 0                    | %100                |
| 25 | M54          | X         | 0                            | 0                          | 0                    | %100                |
| 26 | M54          | Z         | .832                         | .832                       | 0                    | %100                |
| 27 | M77A         | X         | 0                            | 0                          | 0                    | %100                |
| 28 | M77A         | Z         | .832                         | .832                       | 0                    | %100                |
| 29 | M78          | X         | 0                            | 0                          | 0                    | %100                |
| 30 | M78          | Z         | .832                         | .832                       | 0                    | %100                |
| 31 | MP3A         | X         | 0                            | 0                          | 0                    | %100                |
| 32 | MP3A         | Z         | 3.243                        | 3.243                      | 0                    | %100                |
| 33 | MP4A         | X         | 0                            | 0                          | 0                    | %100                |
| 34 | MP4A         | Z         | 3.243                        | 3.243                      | 0                    | %100                |
| 35 | MP2A         | X         | 0                            | 0                          | 0                    | %100                |
| 36 | MP2A         | Z         | 3.243                        | 3.243                      | 0                    | %100                |
| 37 | MP1A         | X         | 0                            | 0                          | 0                    | %100                |
| 38 | MP1A         | Z         | 3.243                        | 3.243                      | 0                    | %100                |
| 39 | MP3C         | X         | 0                            | 0                          | 0                    | %100                |
| 40 | MP3C         | Z         | 3.243                        | 3.243                      | 0                    | %100                |
| 41 | MP4C         | X         | 0                            | 0                          | 0                    | %100                |
| 42 | MP4C         | Z         | 3.243                        | 3.243                      | 0                    | %100                |
| 43 | MP2C         | X         | 0                            | 0                          | 0                    | %100                |
| 44 | MP2C         | Z         | 3.243                        | 3.243                      | 0                    | %100                |
| 45 | MP1C         | X         | 0                            | 0                          | 0                    | %100                |
| 46 | MP1C         | Z         | 3.243                        | 3.243                      | 0                    | %100                |
| 47 | MP3B         | X         | 0                            | 0                          | 0                    | %100                |
| 48 | MP3B         | Z         | 3.243                        | 3.243                      | 0                    | %100                |
| 49 | MP4B         | X         | 0                            | 0                          | 0                    | %100                |
| 50 | MP4B         | Z         | 3.243                        | 3.243                      | 0                    | %100                |
| 51 | MP2B         | X         | 0                            | 0                          | 0                    | %100                |
| 52 | MP2B         | Z         | 3.243                        | 3.243                      | 0                    | %100                |
| 53 | MP1B         | X         | 0                            | 0                          | 0                    | %100                |
| 54 | MP1B         | Z         | 3.243                        | 3.243                      | 0                    | %100                |
| 55 | M51B         | X         | 0                            | 0                          | 0                    | %100                |
| 56 | M51B         | Z         | .958                         | .958                       | 0                    | %100                |
| 57 | M52B         | 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 Locationft. | End Locationft. |
|--------------|-----------|------------------------------|----------------------------|-------------------|-----------------|
| 58           | M52B      | Z                            | .958                       | 0                 | %100            |
| 59           | M58A      | X                            | 0                          | 0                 | %100            |
| 60           | M58A      | Z                            | .958                       | 0                 | %100            |
| 61           | M59A      | X                            | 0                          | 0                 | %100            |
| 62           | M59A      | Z                            | 3.832                      | 0                 | %100            |
| 63           | M82       | X                            | 0                          | 0                 | %100            |
| 64           | M82       | Z                            | 3.832                      | 0                 | %100            |
| 65           | M83A      | X                            | 0                          | 0                 | %100            |
| 66           | M83A      | Z                            | .958                       | 0                 | %100            |
| 67           | M1        | X                            | 0                          | 0                 | %100            |
| 68           | M1        | Z                            | 4.032                      | 0                 | %100            |
| 69           | M82A      | X                            | 0                          | 0                 | %100            |
| 70           | M82A      | Z                            | 1.008                      | 0                 | %100            |
| 71           | M91B      | X                            | 0                          | 0                 | %100            |
| 72           | M91B      | Z                            | 1.008                      | 0                 | %100            |
| 73           | M76       | X                            | 0                          | 0                 | %100            |
| 74           | M76       | Z                            | 0                          | 0                 | %100            |
| 75           | M77       | X                            | 0                          | 0                 | %100            |
| 76           | M77       | Z                            | 1.301                      | 0                 | %100            |
| 77           | M84       | X                            | 0                          | 0                 | %100            |
| 78           | M84       | Z                            | 0                          | 0                 | %100            |
| 79           | M85       | X                            | 0                          | 0                 | %100            |
| 80           | M85       | Z                            | 1.301                      | 0                 | %100            |
| 81           | M63       | X                            | 0                          | 0                 | %100            |
| 82           | M63       | Z                            | 3.846                      | 0                 | %100            |
| 83           | M64       | X                            | 0                          | 0                 | %100            |
| 84           | M64       | Z                            | 1.301                      | 0                 | %100            |
| 85           | M68       | X                            | 0                          | 0                 | %100            |
| 86           | M68       | Z                            | 3.846                      | 0                 | %100            |
| 87           | M69       | X                            | 0                          | 0                 | %100            |
| 88           | M69       | Z                            | 5.206                      | 0                 | %100            |
| 89           | M87       | X                            | 0                          | 0                 | %100            |
| 90           | M87       | Z                            | 3.846                      | 0                 | %100            |
| 91           | M88A      | X                            | 0                          | 0                 | %100            |
| 92           | M88A      | Z                            | 5.206                      | 0                 | %100            |
| 93           | M92A      | X                            | 0                          | 0                 | %100            |
| 94           | M92A      | Z                            | 3.846                      | 0                 | %100            |
| 95           | M93       | X                            | 0                          | 0                 | %100            |
| 96           | M93       | Z                            | 1.301                      | 0                 | %100            |
| 97           | M46       | X                            | 0                          | 0                 | %100            |
| 98           | M46       | Z                            | 5.216                      | 0                 | %100            |
| 99           | M80       | X                            | 0                          | 0                 | %100            |
| 100          | M80       | Z                            | 1.359                      | 0                 | %100            |
| 101          | M91       | X                            | 0                          | 0                 | %100            |
| 102          | M91       | Z                            | 1.359                      | 0                 | %100            |
| 103          | M55       | X                            | 0                          | 0                 | %100            |
| 104          | M55       | Z                            | 1.304                      | 0                 | %100            |
| 105          | M66       | X                            | 0                          | 0                 | %100            |
| 106          | M66       | Z                            | 1.359                      | 0                 | %100            |
| 107          | M71       | X                            | 0                          | 0                 | %100            |
| 108          | M71       | Z                            | 5.434                      | 0                 | %100            |
| 109          | M79A      | X                            | 0                          | 0                 | %100            |
| 110          | M79A      | Z                            | 1.304                      | 0                 | %100            |
| 111          | M90       | X                            | 0                          | 0                 | %100            |
| 112          | M90       | Z                            | 5.434                      | 0                 | %100            |
| 113          | M95       | X                            | 0                          | 0                 | %100            |
| 114          | M95       | Z                            | 1.359                      | 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[f...] | End Location[ft...] |
|-----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 115 | OVP1         | X         | 0                            | 0                          | 0                    | %100                |
| 116 | OVP1         | Z         | 2.677                        | 2.677                      | 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[f...] | End Location[ft...] |
|----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 1  | M121         | X         | -1.056                       | -1.056                     | 0                    | %100                |
| 2  | M121         | Z         | 1.83                         | 1.83                       | 0                    | %100                |
| 3  | M122         | X         | -1.056                       | -1.056                     | 0                    | %100                |
| 4  | M122         | Z         | 1.83                         | 1.83                       | 0                    | %100                |
| 5  | M123         | X         | 0                            | 0                          | 0                    | %100                |
| 6  | M123         | Z         | 0                            | 0                          | 0                    | %100                |
| 7  | M100         | X         | -1.216                       | -1.216                     | 0                    | %100                |
| 8  | M100         | Z         | 2.106                        | 2.106                      | 0                    | %100                |
| 9  | M105         | X         | -1.216                       | -1.216                     | 0                    | %100                |
| 10 | M105         | Z         | 2.106                        | 2.106                      | 0                    | %100                |
| 11 | M106         | X         | 0                            | 0                          | 0                    | %100                |
| 12 | M106         | Z         | 0                            | 0                          | 0                    | %100                |
| 13 | M4           | X         | -.509                        | -.509                      | 0                    | %100                |
| 14 | M4           | Z         | .881                         | .881                       | 0                    | %100                |
| 15 | M52A         | X         | -.509                        | -.509                      | 0                    | %100                |
| 16 | M52A         | Z         | .881                         | .881                       | 0                    | %100                |
| 17 | M76A         | X         | -2.035                       | -2.035                     | 0                    | %100                |
| 18 | M76A         | Z         | 3.525                        | 3.525                      | 0                    | %100                |
| 19 | M10          | X         | -1.248                       | -1.248                     | 0                    | %100                |
| 20 | M10          | Z         | 2.161                        | 2.161                      | 0                    | %100                |
| 21 | M43          | X         | -1.248                       | -1.248                     | 0                    | %100                |
| 22 | M43          | Z         | 2.161                        | 2.161                      | 0                    | %100                |
| 23 | M53          | X         | -1.248                       | -1.248                     | 0                    | %100                |
| 24 | M53          | Z         | 2.161                        | 2.161                      | 0                    | %100                |
| 25 | M54          | X         | -1.248                       | -1.248                     | 0                    | %100                |
| 26 | M54          | Z         | 2.161                        | 2.161                      | 0                    | %100                |
| 27 | M77A         | X         | 0                            | 0                          | 0                    | %100                |
| 28 | M77A         | Z         | 0                            | 0                          | 0                    | %100                |
| 29 | M78          | X         | 0                            | 0                          | 0                    | %100                |
| 30 | M78          | Z         | 0                            | 0                          | 0                    | %100                |
| 31 | MP3A         | X         | -1.621                       | -1.621                     | 0                    | %100                |
| 32 | MP3A         | Z         | 2.808                        | 2.808                      | 0                    | %100                |
| 33 | MP4A         | X         | -1.621                       | -1.621                     | 0                    | %100                |
| 34 | MP4A         | Z         | 2.808                        | 2.808                      | 0                    | %100                |
| 35 | MP2A         | X         | -1.621                       | -1.621                     | 0                    | %100                |
| 36 | MP2A         | Z         | 2.808                        | 2.808                      | 0                    | %100                |
| 37 | MP1A         | X         | -1.621                       | -1.621                     | 0                    | %100                |
| 38 | MP1A         | Z         | 2.808                        | 2.808                      | 0                    | %100                |
| 39 | MP3C         | X         | -1.621                       | -1.621                     | 0                    | %100                |
| 40 | MP3C         | Z         | 2.808                        | 2.808                      | 0                    | %100                |
| 41 | MP4C         | X         | -1.621                       | -1.621                     | 0                    | %100                |
| 42 | MP4C         | Z         | 2.808                        | 2.808                      | 0                    | %100                |
| 43 | MP2C         | X         | -1.621                       | -1.621                     | 0                    | %100                |
| 44 | MP2C         | Z         | 2.808                        | 2.808                      | 0                    | %100                |
| 45 | MP1C         | X         | -1.621                       | -1.621                     | 0                    | %100                |
| 46 | MP1C         | Z         | 2.808                        | 2.808                      | 0                    | %100                |
| 47 | MP3B         | X         | -1.621                       | -1.621                     | 0                    | %100                |
| 48 | MP3B         | Z         | 2.808                        | 2.808                      | 0                    | %100                |
| 49 | MP4B         | X         | -1.621                       | -1.621                     | 0                    | %100                |
| 50 | MP4B         | Z         | 2.808                        | 2.808                      | 0                    | %100                |
| 51 | MP2B         | X         | -1.621                       | -1.621                     | 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 Locationft.. | End Locationft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|------------------|
| 52           | MP2B      | Z                            | 2.808                      | 2.808              | 0 %100           |
| 53           | MP1B      | X                            | -1.621                     | -1.621             | 0 %100           |
| 54           | MP1B      | Z                            | 2.808                      | 2.808              | 0 %100           |
| 55           | M51B      | X                            | -1.437                     | -1.437             | 0 %100           |
| 56           | M51B      | Z                            | 2.489                      | 2.489              | 0 %100           |
| 57           | M52B      | X                            | 0                          | 0                  | 0 %100           |
| 58           | M52B      | Z                            | 0                          | 0                  | 0 %100           |
| 59           | M58A      | X                            | 0                          | 0                  | 0 %100           |
| 60           | M58A      | Z                            | 0                          | 0                  | 0 %100           |
| 61           | M59A      | X                            | -1.437                     | -1.437             | 0 %100           |
| 62           | M59A      | Z                            | 2.489                      | 2.489              | 0 %100           |
| 63           | M82       | X                            | -1.437                     | -1.437             | 0 %100           |
| 64           | M82       | Z                            | 2.489                      | 2.489              | 0 %100           |
| 65           | M83A      | X                            | -1.437                     | -1.437             | 0 %100           |
| 66           | M83A      | Z                            | 2.489                      | 2.489              | 0 %100           |
| 67           | M1        | X                            | -1.512                     | -1.512             | 0 %100           |
| 68           | M1        | Z                            | 2.619                      | 2.619              | 0 %100           |
| 69           | M82A      | X                            | -1.512                     | -1.512             | 0 %100           |
| 70           | M82A      | Z                            | 2.619                      | 2.619              | 0 %100           |
| 71           | M91B      | X                            | 0                          | 0                  | 0 %100           |
| 72           | M91B      | Z                            | 0                          | 0                  | 0 %100           |
| 73           | M76       | X                            | -.641                      | -.641              | 0 %100           |
| 74           | M76       | Z                            | 1.11                       | 1.11               | 0 %100           |
| 75           | M77       | X                            | -1.952                     | -1.952             | 0 %100           |
| 76           | M77       | Z                            | 3.381                      | 3.381              | 0 %100           |
| 77           | M84       | X                            | -.641                      | -.641              | 0 %100           |
| 78           | M84       | Z                            | 1.11                       | 1.11               | 0 %100           |
| 79           | M85       | X                            | 0                          | 0                  | 0 %100           |
| 80           | M85       | Z                            | 0                          | 0                  | 0 %100           |
| 81           | M63       | X                            | -.641                      | -.641              | 0 %100           |
| 82           | M63       | Z                            | 1.11                       | 1.11               | 0 %100           |
| 83           | M64       | X                            | 0                          | 0                  | 0 %100           |
| 84           | M64       | Z                            | 0                          | 0                  | 0 %100           |
| 85           | M68       | X                            | -.641                      | -.641              | 0 %100           |
| 86           | M68       | Z                            | 1.11                       | 1.11               | 0 %100           |
| 87           | M69       | X                            | -1.952                     | -1.952             | 0 %100           |
| 88           | M69       | Z                            | 3.381                      | 3.381              | 0 %100           |
| 89           | M87       | X                            | -2.564                     | -2.564             | 0 %100           |
| 90           | M87       | Z                            | 4.441                      | 4.441              | 0 %100           |
| 91           | M88A      | X                            | -1.952                     | -1.952             | 0 %100           |
| 92           | M88A      | Z                            | 3.381                      | 3.381              | 0 %100           |
| 93           | M92A      | X                            | -2.564                     | -2.564             | 0 %100           |
| 94           | M92A      | Z                            | 4.441                      | 4.441              | 0 %100           |
| 95           | M93       | X                            | -1.952                     | -1.952             | 0 %100           |
| 96           | M93       | Z                            | 3.381                      | 3.381              | 0 %100           |
| 97           | M46       | X                            | -1.956                     | -1.956             | 0 %100           |
| 98           | M46       | Z                            | 3.388                      | 3.388              | 0 %100           |
| 99           | M80       | X                            | -2.038                     | -2.038             | 0 %100           |
| 100          | M80       | Z                            | 3.53                       | 3.53               | 0 %100           |
| 101          | M91       | X                            | 0                          | 0                  | 0 %100           |
| 102          | M91       | Z                            | 0                          | 0                  | 0 %100           |
| 103          | M55       | X                            | -1.956                     | -1.956             | 0 %100           |
| 104          | M55       | Z                            | 3.388                      | 3.388              | 0 %100           |
| 105          | M66       | X                            | 0                          | 0                  | 0 %100           |
| 106          | M66       | Z                            | 0                          | 0                  | 0 %100           |
| 107          | M71       | X                            | -2.038                     | -2.038             | 0 %100           |
| 108          | M71       | Z                            | 3.53                       | 3.53               | 0 %100           |



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**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[f.. | End Location[ft.. |
|-----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 109 | M79A         | X         | 0                            | 0                          | 0                  | %100              |
| 110 | M79A         | Z         | 0                            | 0                          | 0                  | %100              |
| 111 | M90          | X         | -2.038                       | -2.038                     | 0                  | %100              |
| 112 | M90          | Z         | 3.53                         | 3.53                       | 0                  | %100              |
| 113 | M95          | X         | -2.038                       | -2.038                     | 0                  | %100              |
| 114 | M95          | Z         | 3.53                         | 3.53                       | 0                  | %100              |
| 115 | OVP1         | X         | -1.338                       | -1.338                     | 0                  | %100              |
| 116 | OVP1         | Z         | 2.318                        | 2.318                      | 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[f.. | End Location[ft.. |
|----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 1  | M121         | X         | -2.44                        | -2.44                      | 0                  | %100              |
| 2  | M121         | Z         | 1.409                        | 1.409                      | 0                  | %100              |
| 3  | M122         | X         | -.61                         | -.61                       | 0                  | %100              |
| 4  | M122         | Z         | .352                         | .352                       | 0                  | %100              |
| 5  | M123         | X         | -.61                         | -.61                       | 0                  | %100              |
| 6  | M123         | Z         | .352                         | .352                       | 0                  | %100              |
| 7  | M100         | X         | -.702                        | -.702                      | 0                  | %100              |
| 8  | M100         | Z         | .405                         | .405                       | 0                  | %100              |
| 9  | M105         | X         | -2.808                       | -2.808                     | 0                  | %100              |
| 10 | M105         | Z         | 1.621                        | 1.621                      | 0                  | %100              |
| 11 | M106         | X         | -.702                        | -.702                      | 0                  | %100              |
| 12 | M106         | Z         | .405                         | .405                       | 0                  | %100              |
| 13 | M4           | X         | -2.644                       | -2.644                     | 0                  | %100              |
| 14 | M4           | Z         | 1.526                        | 1.526                      | 0                  | %100              |
| 15 | M52A         | X         | 0                            | 0                          | 0                  | %100              |
| 16 | M52A         | Z         | 0                            | 0                          | 0                  | %100              |
| 17 | M76A         | X         | -2.644                       | -2.644                     | 0                  | %100              |
| 18 | M76A         | Z         | 1.526                        | 1.526                      | 0                  | %100              |
| 19 | M10          | X         | -.72                         | -.72                       | 0                  | %100              |
| 20 | M10          | Z         | .416                         | .416                       | 0                  | %100              |
| 21 | M43          | X         | -.72                         | -.72                       | 0                  | %100              |
| 22 | M43          | Z         | .416                         | .416                       | 0                  | %100              |
| 23 | M53          | X         | -2.881                       | -2.881                     | 0                  | %100              |
| 24 | M53          | Z         | 1.663                        | 1.663                      | 0                  | %100              |
| 25 | M54          | X         | -2.881                       | -2.881                     | 0                  | %100              |
| 26 | M54          | Z         | 1.663                        | 1.663                      | 0                  | %100              |
| 27 | M77A         | X         | -.72                         | -.72                       | 0                  | %100              |
| 28 | M77A         | Z         | .416                         | .416                       | 0                  | %100              |
| 29 | M78          | X         | -.72                         | -.72                       | 0                  | %100              |
| 30 | M78          | Z         | .416                         | .416                       | 0                  | %100              |
| 31 | MP3A         | X         | -2.808                       | -2.808                     | 0                  | %100              |
| 32 | MP3A         | Z         | 1.621                        | 1.621                      | 0                  | %100              |
| 33 | MP4A         | X         | -2.808                       | -2.808                     | 0                  | %100              |
| 34 | MP4A         | Z         | 1.621                        | 1.621                      | 0                  | %100              |
| 35 | MP2A         | X         | -2.808                       | -2.808                     | 0                  | %100              |
| 36 | MP2A         | Z         | 1.621                        | 1.621                      | 0                  | %100              |
| 37 | MP1A         | X         | -2.808                       | -2.808                     | 0                  | %100              |
| 38 | MP1A         | Z         | 1.621                        | 1.621                      | 0                  | %100              |
| 39 | MP3C         | X         | -2.808                       | -2.808                     | 0                  | %100              |
| 40 | MP3C         | Z         | 1.621                        | 1.621                      | 0                  | %100              |
| 41 | MP4C         | X         | -2.808                       | -2.808                     | 0                  | %100              |
| 42 | MP4C         | Z         | 1.621                        | 1.621                      | 0                  | %100              |
| 43 | MP2C         | X         | -2.808                       | -2.808                     | 0                  | %100              |
| 44 | MP2C         | Z         | 1.621                        | 1.621                      | 0                  | %100              |
| 45 | MP1C         | X         | -2.808                       | -2.808                     | 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 Locationft.. | End Locationft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|------------------|
| 46           | MP1C      | Z                            | 1.621                      | 0                  | %100             |
| 47           | MP3B      | X                            | -2.808                     | 0                  | %100             |
| 48           | MP3B      | Z                            | 1.621                      | 0                  | %100             |
| 49           | MP4B      | X                            | -2.808                     | 0                  | %100             |
| 50           | MP4B      | Z                            | 1.621                      | 0                  | %100             |
| 51           | MP2B      | X                            | -2.808                     | 0                  | %100             |
| 52           | MP2B      | Z                            | 1.621                      | 0                  | %100             |
| 53           | MP1B      | X                            | -2.808                     | 0                  | %100             |
| 54           | MP1B      | Z                            | 1.621                      | 0                  | %100             |
| 55           | M51B      | X                            | -3.319                     | 0                  | %100             |
| 56           | M51B      | Z                            | 1.916                      | 0                  | %100             |
| 57           | M52B      | X                            | -.83                       | 0                  | %100             |
| 58           | M52B      | Z                            | .479                       | 0                  | %100             |
| 59           | M58A      | X                            | -.83                       | 0                  | %100             |
| 60           | M58A      | Z                            | .479                       | 0                  | %100             |
| 61           | M59A      | X                            | -.83                       | 0                  | %100             |
| 62           | M59A      | Z                            | .479                       | 0                  | %100             |
| 63           | M82       | X                            | -.83                       | 0                  | %100             |
| 64           | M82       | Z                            | .479                       | 0                  | %100             |
| 65           | M83A      | X                            | -3.319                     | 0                  | %100             |
| 66           | M83A      | Z                            | 1.916                      | 0                  | %100             |
| 67           | M1        | X                            | -.873                      | 0                  | %100             |
| 68           | M1        | Z                            | .504                       | 0                  | %100             |
| 69           | M82A      | X                            | -3.492                     | 0                  | %100             |
| 70           | M82A      | Z                            | 2.016                      | 0                  | %100             |
| 71           | M91B      | X                            | -.873                      | 0                  | %100             |
| 72           | M91B      | Z                            | .504                       | 0                  | %100             |
| 73           | M76       | X                            | -3.331                     | 0                  | %100             |
| 74           | M76       | Z                            | 1.923                      | 0                  | %100             |
| 75           | M77       | X                            | -4.508                     | 0                  | %100             |
| 76           | M77       | Z                            | 2.603                      | 0                  | %100             |
| 77           | M84       | X                            | -3.331                     | 0                  | %100             |
| 78           | M84       | Z                            | 1.923                      | 0                  | %100             |
| 79           | M85       | X                            | -1.127                     | 0                  | %100             |
| 80           | M85       | Z                            | .651                       | 0                  | %100             |
| 81           | M63       | X                            | 0                          | 0                  | %100             |
| 82           | M63       | Z                            | 0                          | 0                  | %100             |
| 83           | M64       | X                            | -1.127                     | 0                  | %100             |
| 84           | M64       | Z                            | .651                       | 0                  | %100             |
| 85           | M68       | X                            | 0                          | 0                  | %100             |
| 86           | M68       | Z                            | 0                          | 0                  | %100             |
| 87           | M69       | X                            | -1.127                     | 0                  | %100             |
| 88           | M69       | Z                            | .651                       | 0                  | %100             |
| 89           | M87       | X                            | -3.331                     | 0                  | %100             |
| 90           | M87       | Z                            | 1.923                      | 0                  | %100             |
| 91           | M88A      | X                            | -1.127                     | 0                  | %100             |
| 92           | M88A      | Z                            | .651                       | 0                  | %100             |
| 93           | M92A      | X                            | -3.331                     | 0                  | %100             |
| 94           | M92A      | Z                            | 1.923                      | 0                  | %100             |
| 95           | M93       | X                            | -4.508                     | 0                  | %100             |
| 96           | M93       | Z                            | 2.603                      | 0                  | %100             |
| 97           | M46       | X                            | -1.129                     | 0                  | %100             |
| 98           | M46       | Z                            | .652                       | 0                  | %100             |
| 99           | M80       | X                            | -4.706                     | 0                  | %100             |
| 100          | M80       | Z                            | 2.717                      | 0                  | %100             |
| 101          | M91       | X                            | -1.177                     | 0                  | %100             |
| 102          | M91       | Z                            | .679                       | 0                  | %100             |



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**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[f.. | End Location[ft.. |
|-----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 103 | M55          | X         | -4.517                       | -4.517                     | 0                  | %100              |
| 104 | M55          | Z         | 2.608                        | 2.608                      | 0                  | %100              |
| 105 | M66          | X         | -1.177                       | -1.177                     | 0                  | %100              |
| 106 | M66          | Z         | .679                         | .679                       | 0                  | %100              |
| 107 | M71          | X         | -1.177                       | -1.177                     | 0                  | %100              |
| 108 | M71          | Z         | .679                         | .679                       | 0                  | %100              |
| 109 | M79A         | X         | -1.129                       | -1.129                     | 0                  | %100              |
| 110 | M79A         | Z         | .652                         | .652                       | 0                  | %100              |
| 111 | M90          | X         | -1.177                       | -1.177                     | 0                  | %100              |
| 112 | M90          | Z         | .679                         | .679                       | 0                  | %100              |
| 113 | M95          | X         | -4.706                       | -4.706                     | 0                  | %100              |
| 114 | M95          | Z         | 2.717                        | 2.717                      | 0                  | %100              |
| 115 | OVP1         | X         | -2.318                       | -2.318                     | 0                  | %100              |
| 116 | OVP1         | Z         | 1.338                        | 1.338                      | 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[f.. | End Location[ft.. |
|----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 1  | M121         | X         | -2.113                       | -2.113                     | 0                  | %100              |
| 2  | M121         | Z         | 0                            | 0                          | 0                  | %100              |
| 3  | M122         | X         | 0                            | 0                          | 0                  | %100              |
| 4  | M122         | Z         | 0                            | 0                          | 0                  | %100              |
| 5  | M123         | X         | -2.113                       | -2.113                     | 0                  | %100              |
| 6  | M123         | Z         | 0                            | 0                          | 0                  | %100              |
| 7  | M100         | X         | 0                            | 0                          | 0                  | %100              |
| 8  | M100         | Z         | 0                            | 0                          | 0                  | %100              |
| 9  | M105         | X         | -2.432                       | -2.432                     | 0                  | %100              |
| 10 | M105         | Z         | 0                            | 0                          | 0                  | %100              |
| 11 | M106         | X         | -2.432                       | -2.432                     | 0                  | %100              |
| 12 | M106         | Z         | 0                            | 0                          | 0                  | %100              |
| 13 | M4           | X         | -4.07                        | -4.07                      | 0                  | %100              |
| 14 | M4           | Z         | 0                            | 0                          | 0                  | %100              |
| 15 | M52A         | X         | -1.018                       | -1.018                     | 0                  | %100              |
| 16 | M52A         | Z         | 0                            | 0                          | 0                  | %100              |
| 17 | M76A         | X         | -1.018                       | -1.018                     | 0                  | %100              |
| 18 | M76A         | Z         | 0                            | 0                          | 0                  | %100              |
| 19 | M10          | X         | 0                            | 0                          | 0                  | %100              |
| 20 | M10          | Z         | 0                            | 0                          | 0                  | %100              |
| 21 | M43          | X         | 0                            | 0                          | 0                  | %100              |
| 22 | M43          | Z         | 0                            | 0                          | 0                  | %100              |
| 23 | M53          | X         | -2.495                       | -2.495                     | 0                  | %100              |
| 24 | M53          | Z         | 0                            | 0                          | 0                  | %100              |
| 25 | M54          | X         | -2.495                       | -2.495                     | 0                  | %100              |
| 26 | M54          | Z         | 0                            | 0                          | 0                  | %100              |
| 27 | M77A         | X         | -2.495                       | -2.495                     | 0                  | %100              |
| 28 | M77A         | Z         | 0                            | 0                          | 0                  | %100              |
| 29 | M78          | X         | -2.495                       | -2.495                     | 0                  | %100              |
| 30 | M78          | Z         | 0                            | 0                          | 0                  | %100              |
| 31 | MP3A         | X         | -3.243                       | -3.243                     | 0                  | %100              |
| 32 | MP3A         | Z         | 0                            | 0                          | 0                  | %100              |
| 33 | MP4A         | X         | -3.243                       | -3.243                     | 0                  | %100              |
| 34 | MP4A         | Z         | 0                            | 0                          | 0                  | %100              |
| 35 | MP2A         | X         | -3.243                       | -3.243                     | 0                  | %100              |
| 36 | MP2A         | Z         | 0                            | 0                          | 0                  | %100              |
| 37 | MP1A         | X         | -3.243                       | -3.243                     | 0                  | %100              |
| 38 | MP1A         | Z         | 0                            | 0                          | 0                  | %100              |
| 39 | MP3C         | X         | -3.243                       | -3.243                     | 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 Locationft.. | End Locationft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|------------------|
| 40           | MP3C      | Z                            | 0                          | 0                  | %100             |
| 41           | MP4C      | X                            | -3.243                     | 0                  | %100             |
| 42           | MP4C      | Z                            | 0                          | 0                  | %100             |
| 43           | MP2C      | X                            | -3.243                     | 0                  | %100             |
| 44           | MP2C      | Z                            | 0                          | 0                  | %100             |
| 45           | MP1C      | X                            | -3.243                     | 0                  | %100             |
| 46           | MP1C      | Z                            | 0                          | 0                  | %100             |
| 47           | MP3B      | X                            | -3.243                     | 0                  | %100             |
| 48           | MP3B      | Z                            | 0                          | 0                  | %100             |
| 49           | MP4B      | X                            | -3.243                     | 0                  | %100             |
| 50           | MP4B      | Z                            | 0                          | 0                  | %100             |
| 51           | MP2B      | X                            | -3.243                     | 0                  | %100             |
| 52           | MP2B      | Z                            | 0                          | 0                  | %100             |
| 53           | MP1B      | X                            | -3.243                     | 0                  | %100             |
| 54           | MP1B      | Z                            | 0                          | 0                  | %100             |
| 55           | M51B      | X                            | -2.874                     | 0                  | %100             |
| 56           | M51B      | Z                            | 0                          | 0                  | %100             |
| 57           | M52B      | X                            | -2.874                     | 0                  | %100             |
| 58           | M52B      | Z                            | 0                          | 0                  | %100             |
| 59           | M58A      | X                            | -2.874                     | 0                  | %100             |
| 60           | M58A      | Z                            | 0                          | 0                  | %100             |
| 61           | M59A      | X                            | 0                          | 0                  | %100             |
| 62           | M59A      | Z                            | 0                          | 0                  | %100             |
| 63           | M82       | X                            | 0                          | 0                  | %100             |
| 64           | M82       | Z                            | 0                          | 0                  | %100             |
| 65           | M83A      | X                            | -2.874                     | 0                  | %100             |
| 66           | M83A      | Z                            | 0                          | 0                  | %100             |
| 67           | M1        | X                            | 0                          | 0                  | %100             |
| 68           | M1        | Z                            | 0                          | 0                  | %100             |
| 69           | M82A      | X                            | -3.024                     | 0                  | %100             |
| 70           | M82A      | Z                            | 0                          | 0                  | %100             |
| 71           | M91B      | X                            | -3.024                     | 0                  | %100             |
| 72           | M91B      | Z                            | 0                          | 0                  | %100             |
| 73           | M76       | X                            | -5.128                     | 0                  | %100             |
| 74           | M76       | Z                            | 0                          | 0                  | %100             |
| 75           | M77       | X                            | -3.904                     | 0                  | %100             |
| 76           | M77       | Z                            | 0                          | 0                  | %100             |
| 77           | M84       | X                            | -5.128                     | 0                  | %100             |
| 78           | M84       | Z                            | 0                          | 0                  | %100             |
| 79           | M85       | X                            | -3.904                     | 0                  | %100             |
| 80           | M85       | Z                            | 0                          | 0                  | %100             |
| 81           | M63       | X                            | -1.282                     | 0                  | %100             |
| 82           | M63       | Z                            | 0                          | 0                  | %100             |
| 83           | M64       | X                            | -3.904                     | 0                  | %100             |
| 84           | M64       | Z                            | 0                          | 0                  | %100             |
| 85           | M68       | X                            | -1.282                     | 0                  | %100             |
| 86           | M68       | Z                            | 0                          | 0                  | %100             |
| 87           | M69       | X                            | 0                          | 0                  | %100             |
| 88           | M69       | Z                            | 0                          | 0                  | %100             |
| 89           | M87       | X                            | -1.282                     | 0                  | %100             |
| 90           | M87       | Z                            | 0                          | 0                  | %100             |
| 91           | M88A      | X                            | 0                          | 0                  | %100             |
| 92           | M88A      | Z                            | 0                          | 0                  | %100             |
| 93           | M92A      | X                            | -1.282                     | 0                  | %100             |
| 94           | M92A      | Z                            | 0                          | 0                  | %100             |
| 95           | M93       | X                            | -3.904                     | 0                  | %100             |
| 96           | M93       | Z                            | 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[f...End Location[ft... |
|-----|--------------|-----------|------------------------------|----------------------------|---------------------------------------|
| 97  | M46          | X         | 0                            | 0                          | 0 %100                                |
| 98  | M46          | Z         | 0                            | 0                          | 0 %100                                |
| 99  | M80          | X         | -4.076                       | -4.076                     | 0 %100                                |
| 100 | M80          | Z         | 0                            | 0                          | 0 %100                                |
| 101 | M91          | X         | -4.076                       | -4.076                     | 0 %100                                |
| 102 | M91          | Z         | 0                            | 0                          | 0 %100                                |
| 103 | M55          | X         | -3.912                       | -3.912                     | 0 %100                                |
| 104 | M55          | Z         | 0                            | 0                          | 0 %100                                |
| 105 | M66          | X         | -4.076                       | -4.076                     | 0 %100                                |
| 106 | M66          | Z         | 0                            | 0                          | 0 %100                                |
| 107 | M71          | X         | 0                            | 0                          | 0 %100                                |
| 108 | M71          | Z         | 0                            | 0                          | 0 %100                                |
| 109 | M79A         | X         | -3.912                       | -3.912                     | 0 %100                                |
| 110 | M79A         | Z         | 0                            | 0                          | 0 %100                                |
| 111 | M90          | X         | 0                            | 0                          | 0 %100                                |
| 112 | M90          | Z         | 0                            | 0                          | 0 %100                                |
| 113 | M95          | X         | -4.076                       | -4.076                     | 0 %100                                |
| 114 | M95          | Z         | 0                            | 0                          | 0 %100                                |
| 115 | OVP1         | X         | -2.677                       | -2.677                     | 0 %100                                |
| 116 | OVP1         | 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[f...End Location[ft... |
|----|--------------|-----------|------------------------------|----------------------------|---------------------------------------|
| 1  | M121         | X         | -.61                         | -.61                       | 0 %100                                |
| 2  | M121         | Z         | -.352                        | -.352                      | 0 %100                                |
| 3  | M122         | X         | -.61                         | -.61                       | 0 %100                                |
| 4  | M122         | Z         | -.352                        | -.352                      | 0 %100                                |
| 5  | M123         | X         | -2.44                        | -2.44                      | 0 %100                                |
| 6  | M123         | Z         | -1.409                       | -1.409                     | 0 %100                                |
| 7  | M100         | X         | -.702                        | -.702                      | 0 %100                                |
| 8  | M100         | Z         | -.405                        | -.405                      | 0 %100                                |
| 9  | M105         | X         | -.702                        | -.702                      | 0 %100                                |
| 10 | M105         | Z         | -.405                        | -.405                      | 0 %100                                |
| 11 | M106         | X         | -2.808                       | -2.808                     | 0 %100                                |
| 12 | M106         | Z         | -1.621                       | -1.621                     | 0 %100                                |
| 13 | M4           | X         | -2.644                       | -2.644                     | 0 %100                                |
| 14 | M4           | Z         | -1.526                       | -1.526                     | 0 %100                                |
| 15 | M52A         | X         | -2.644                       | -2.644                     | 0 %100                                |
| 16 | M52A         | Z         | -1.526                       | -1.526                     | 0 %100                                |
| 17 | M76A         | X         | 0                            | 0                          | 0 %100                                |
| 18 | M76A         | Z         | 0                            | 0                          | 0 %100                                |
| 19 | M10          | X         | -.72                         | -.72                       | 0 %100                                |
| 20 | M10          | Z         | -.416                        | -.416                      | 0 %100                                |
| 21 | M43          | X         | -.72                         | -.72                       | 0 %100                                |
| 22 | M43          | Z         | -.416                        | -.416                      | 0 %100                                |
| 23 | M53          | X         | -.72                         | -.72                       | 0 %100                                |
| 24 | M53          | Z         | -.416                        | -.416                      | 0 %100                                |
| 25 | M54          | X         | -.72                         | -.72                       | 0 %100                                |
| 26 | M54          | Z         | -.416                        | -.416                      | 0 %100                                |
| 27 | M77A         | X         | -2.881                       | -2.881                     | 0 %100                                |
| 28 | M77A         | Z         | -1.663                       | -1.663                     | 0 %100                                |
| 29 | M78          | X         | -2.881                       | -2.881                     | 0 %100                                |
| 30 | M78          | Z         | -1.663                       | -1.663                     | 0 %100                                |
| 31 | MP3A         | X         | -2.808                       | -2.808                     | 0 %100                                |
| 32 | MP3A         | Z         | -1.621                       | -1.621                     | 0 %100                                |
| 33 | MP4A         | X         | -2.808                       | -2.808                     | 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 Locationft. | End Locationft. |
|--------------|-----------|------------------------------|----------------------------|-------------------|-----------------|
| 34           | MP4A      | Z                            | -1.621                     | 0                 | %100            |
| 35           | MP2A      | X                            | -2.808                     | 0                 | %100            |
| 36           | MP2A      | Z                            | -1.621                     | 0                 | %100            |
| 37           | MP1A      | X                            | -2.808                     | 0                 | %100            |
| 38           | MP1A      | Z                            | -1.621                     | 0                 | %100            |
| 39           | MP3C      | X                            | -2.808                     | 0                 | %100            |
| 40           | MP3C      | Z                            | -1.621                     | 0                 | %100            |
| 41           | MP4C      | X                            | -2.808                     | 0                 | %100            |
| 42           | MP4C      | Z                            | -1.621                     | 0                 | %100            |
| 43           | MP2C      | X                            | -2.808                     | 0                 | %100            |
| 44           | MP2C      | Z                            | -1.621                     | 0                 | %100            |
| 45           | MP1C      | X                            | -2.808                     | 0                 | %100            |
| 46           | MP1C      | Z                            | -1.621                     | 0                 | %100            |
| 47           | MP3B      | X                            | -2.808                     | 0                 | %100            |
| 48           | MP3B      | Z                            | -1.621                     | 0                 | %100            |
| 49           | MP4B      | X                            | -2.808                     | 0                 | %100            |
| 50           | MP4B      | Z                            | -1.621                     | 0                 | %100            |
| 51           | MP2B      | X                            | -2.808                     | 0                 | %100            |
| 52           | MP2B      | Z                            | -1.621                     | 0                 | %100            |
| 53           | MP1B      | X                            | -2.808                     | 0                 | %100            |
| 54           | MP1B      | Z                            | -1.621                     | 0                 | %100            |
| 55           | M51B      | X                            | -.83                       | 0                 | %100            |
| 56           | M51B      | Z                            | -.479                      | 0                 | %100            |
| 57           | M52B      | X                            | -3.319                     | 0                 | %100            |
| 58           | M52B      | Z                            | -1.916                     | 0                 | %100            |
| 59           | M58A      | X                            | -3.319                     | 0                 | %100            |
| 60           | M58A      | Z                            | -1.916                     | 0                 | %100            |
| 61           | M59A      | X                            | -.83                       | 0                 | %100            |
| 62           | M59A      | Z                            | -.479                      | 0                 | %100            |
| 63           | M82       | X                            | -.83                       | 0                 | %100            |
| 64           | M82       | Z                            | -.479                      | 0                 | %100            |
| 65           | M83A      | X                            | -.83                       | 0                 | %100            |
| 66           | M83A      | Z                            | -.479                      | 0                 | %100            |
| 67           | M1        | X                            | -.873                      | 0                 | %100            |
| 68           | M1        | Z                            | -.504                      | 0                 | %100            |
| 69           | M82A      | X                            | -.873                      | 0                 | %100            |
| 70           | M82A      | Z                            | -.504                      | 0                 | %100            |
| 71           | M91B      | X                            | -3.492                     | 0                 | %100            |
| 72           | M91B      | Z                            | -2.016                     | 0                 | %100            |
| 73           | M76       | X                            | -3.331                     | 0                 | %100            |
| 74           | M76       | Z                            | -1.923                     | 0                 | %100            |
| 75           | M77       | X                            | -1.127                     | 0                 | %100            |
| 76           | M77       | Z                            | -.651                      | 0                 | %100            |
| 77           | M84       | X                            | -3.331                     | 0                 | %100            |
| 78           | M84       | Z                            | -1.923                     | 0                 | %100            |
| 79           | M85       | X                            | -4.508                     | 0                 | %100            |
| 80           | M85       | Z                            | -2.603                     | 0                 | %100            |
| 81           | M63       | X                            | -3.331                     | 0                 | %100            |
| 82           | M63       | Z                            | -1.923                     | 0                 | %100            |
| 83           | M64       | X                            | -4.508                     | 0                 | %100            |
| 84           | M64       | Z                            | -2.603                     | 0                 | %100            |
| 85           | M68       | X                            | -3.331                     | 0                 | %100            |
| 86           | M68       | Z                            | -1.923                     | 0                 | %100            |
| 87           | M69       | X                            | -1.127                     | 0                 | %100            |
| 88           | M69       | Z                            | -.651                      | 0                 | %100            |
| 89           | M87       | X                            | 0                          | 0                 | %100            |
| 90           | M87       | Z                            | 0                          | 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[f...] | End Location[ft...] |
|-----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 91  | M88A         | X         | -1.127                       | -1.127                     | 0                    | %100                |
| 92  | M88A         | Z         | -0.651                       | -0.651                     | 0                    | %100                |
| 93  | M92A         | X         | 0                            | 0                          | 0                    | %100                |
| 94  | M92A         | Z         | 0                            | 0                          | 0                    | %100                |
| 95  | M93          | X         | -1.127                       | -1.127                     | 0                    | %100                |
| 96  | M93          | Z         | -0.651                       | -0.651                     | 0                    | %100                |
| 97  | M46          | X         | -1.129                       | -1.129                     | 0                    | %100                |
| 98  | M46          | Z         | -0.652                       | -0.652                     | 0                    | %100                |
| 99  | M80          | X         | -1.177                       | -1.177                     | 0                    | %100                |
| 100 | M80          | Z         | -0.679                       | -0.679                     | 0                    | %100                |
| 101 | M91          | X         | -4.706                       | -4.706                     | 0                    | %100                |
| 102 | M91          | Z         | -2.717                       | -2.717                     | 0                    | %100                |
| 103 | M55          | X         | -1.129                       | -1.129                     | 0                    | %100                |
| 104 | M55          | Z         | -0.652                       | -0.652                     | 0                    | %100                |
| 105 | M66          | X         | -4.706                       | -4.706                     | 0                    | %100                |
| 106 | M66          | Z         | -2.717                       | -2.717                     | 0                    | %100                |
| 107 | M71          | X         | -1.177                       | -1.177                     | 0                    | %100                |
| 108 | M71          | Z         | -0.679                       | -0.679                     | 0                    | %100                |
| 109 | M79A         | X         | -4.517                       | -4.517                     | 0                    | %100                |
| 110 | M79A         | Z         | -2.608                       | -2.608                     | 0                    | %100                |
| 111 | M90          | X         | -1.177                       | -1.177                     | 0                    | %100                |
| 112 | M90          | Z         | -0.679                       | -0.679                     | 0                    | %100                |
| 113 | M95          | X         | -1.177                       | -1.177                     | 0                    | %100                |
| 114 | M95          | Z         | -0.679                       | -0.679                     | 0                    | %100                |
| 115 | OVP1         | X         | -2.318                       | -2.318                     | 0                    | %100                |
| 116 | OVP1         | Z         | -1.338                       | -1.338                     | 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[f...] | End Location[ft...] |
|----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 1  | M121         | X         | 0                            | 0                          | 0                    | %100                |
| 2  | M121         | Z         | 0                            | 0                          | 0                    | %100                |
| 3  | M122         | X         | -1.056                       | -1.056                     | 0                    | %100                |
| 4  | M122         | Z         | -1.83                        | -1.83                      | 0                    | %100                |
| 5  | M123         | X         | -1.056                       | -1.056                     | 0                    | %100                |
| 6  | M123         | Z         | -1.83                        | -1.83                      | 0                    | %100                |
| 7  | M100         | X         | -1.216                       | -1.216                     | 0                    | %100                |
| 8  | M100         | Z         | -2.106                       | -2.106                     | 0                    | %100                |
| 9  | M105         | X         | 0                            | 0                          | 0                    | %100                |
| 10 | M105         | Z         | 0                            | 0                          | 0                    | %100                |
| 11 | M106         | X         | -1.216                       | -1.216                     | 0                    | %100                |
| 12 | M106         | Z         | -2.106                       | -2.106                     | 0                    | %100                |
| 13 | M4           | X         | -0.509                       | -0.509                     | 0                    | %100                |
| 14 | M4           | Z         | -0.881                       | -0.881                     | 0                    | %100                |
| 15 | M52A         | X         | -2.035                       | -2.035                     | 0                    | %100                |
| 16 | M52A         | Z         | -3.525                       | -3.525                     | 0                    | %100                |
| 17 | M76A         | X         | -0.509                       | -0.509                     | 0                    | %100                |
| 18 | M76A         | Z         | -0.881                       | -0.881                     | 0                    | %100                |
| 19 | M10          | X         | -1.248                       | -1.248                     | 0                    | %100                |
| 20 | M10          | Z         | -2.161                       | -2.161                     | 0                    | %100                |
| 21 | M43          | X         | -1.248                       | -1.248                     | 0                    | %100                |
| 22 | M43          | Z         | -2.161                       | -2.161                     | 0                    | %100                |
| 23 | M53          | X         | 0                            | 0                          | 0                    | %100                |
| 24 | M53          | Z         | 0                            | 0                          | 0                    | %100                |
| 25 | M54          | X         | 0                            | 0                          | 0                    | %100                |
| 26 | M54          | Z         | 0                            | 0                          | 0                    | %100                |
| 27 | M77A         | X         | -1.248                       | -1.248                     | 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[f.. | End Location[ft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 28           | M77A      | Z                            | -2.161                     | 0                  | %100              |
| 29           | M78       | X                            | -1.248                     | 0                  | %100              |
| 30           | M78       | Z                            | -2.161                     | 0                  | %100              |
| 31           | MP3A      | X                            | -1.621                     | 0                  | %100              |
| 32           | MP3A      | Z                            | -2.808                     | 0                  | %100              |
| 33           | MP4A      | X                            | -1.621                     | 0                  | %100              |
| 34           | MP4A      | Z                            | -2.808                     | 0                  | %100              |
| 35           | MP2A      | X                            | -1.621                     | 0                  | %100              |
| 36           | MP2A      | Z                            | -2.808                     | 0                  | %100              |
| 37           | MP1A      | X                            | -1.621                     | 0                  | %100              |
| 38           | MP1A      | Z                            | -2.808                     | 0                  | %100              |
| 39           | MP3C      | X                            | -1.621                     | 0                  | %100              |
| 40           | MP3C      | Z                            | -2.808                     | 0                  | %100              |
| 41           | MP4C      | X                            | -1.621                     | 0                  | %100              |
| 42           | MP4C      | Z                            | -2.808                     | 0                  | %100              |
| 43           | MP2C      | X                            | -1.621                     | 0                  | %100              |
| 44           | MP2C      | Z                            | -2.808                     | 0                  | %100              |
| 45           | MP1C      | X                            | -1.621                     | 0                  | %100              |
| 46           | MP1C      | Z                            | -2.808                     | 0                  | %100              |
| 47           | MP3B      | X                            | -1.621                     | 0                  | %100              |
| 48           | MP3B      | Z                            | -2.808                     | 0                  | %100              |
| 49           | MP4B      | X                            | -1.621                     | 0                  | %100              |
| 50           | MP4B      | Z                            | -2.808                     | 0                  | %100              |
| 51           | MP2B      | X                            | -1.621                     | 0                  | %100              |
| 52           | MP2B      | Z                            | -2.808                     | 0                  | %100              |
| 53           | MP1B      | X                            | -1.621                     | 0                  | %100              |
| 54           | MP1B      | Z                            | -2.808                     | 0                  | %100              |
| 55           | M51B      | X                            | 0                          | 0                  | %100              |
| 56           | M51B      | Z                            | 0                          | 0                  | %100              |
| 57           | M52B      | X                            | -1.437                     | 0                  | %100              |
| 58           | M52B      | Z                            | -2.489                     | 0                  | %100              |
| 59           | M58A      | X                            | -1.437                     | 0                  | %100              |
| 60           | M58A      | Z                            | -2.489                     | 0                  | %100              |
| 61           | M59A      | X                            | -1.437                     | 0                  | %100              |
| 62           | M59A      | Z                            | -2.489                     | 0                  | %100              |
| 63           | M82       | X                            | -1.437                     | 0                  | %100              |
| 64           | M82       | Z                            | -2.489                     | 0                  | %100              |
| 65           | M83A      | X                            | 0                          | 0                  | %100              |
| 66           | M83A      | Z                            | 0                          | 0                  | %100              |
| 67           | M1        | X                            | -1.512                     | 0                  | %100              |
| 68           | M1        | Z                            | -2.619                     | 0                  | %100              |
| 69           | M82A      | X                            | 0                          | 0                  | %100              |
| 70           | M82A      | Z                            | 0                          | 0                  | %100              |
| 71           | M91B      | X                            | -1.512                     | 0                  | %100              |
| 72           | M91B      | Z                            | -2.619                     | 0                  | %100              |
| 73           | M76       | X                            | -.641                      | 0                  | %100              |
| 74           | M76       | Z                            | -1.11                      | 0                  | %100              |
| 75           | M77       | X                            | 0                          | 0                  | %100              |
| 76           | M77       | Z                            | 0                          | 0                  | %100              |
| 77           | M84       | X                            | -.641                      | 0                  | %100              |
| 78           | M84       | Z                            | -1.11                      | 0                  | %100              |
| 79           | M85       | X                            | -1.952                     | 0                  | %100              |
| 80           | M85       | Z                            | -3.381                     | 0                  | %100              |
| 81           | M63       | X                            | -2.564                     | 0                  | %100              |
| 82           | M63       | Z                            | -4.441                     | 0                  | %100              |
| 83           | M64       | X                            | -1.952                     | 0                  | %100              |
| 84           | M64       | Z                            | -3.381                     | 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[f.. | End Location[ft.. |
|-----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 85  | M68          | X         | -2.564                       | -2.564                     | 0                  | %100              |
| 86  | M68          | Z         | -4.441                       | -4.441                     | 0                  | %100              |
| 87  | M69          | X         | -1.952                       | -1.952                     | 0                  | %100              |
| 88  | M69          | Z         | -3.381                       | -3.381                     | 0                  | %100              |
| 89  | M87          | X         | -.641                        | -.641                      | 0                  | %100              |
| 90  | M87          | Z         | -1.11                        | -1.11                      | 0                  | %100              |
| 91  | M88A         | X         | -1.952                       | -1.952                     | 0                  | %100              |
| 92  | M88A         | Z         | -3.381                       | -3.381                     | 0                  | %100              |
| 93  | M92A         | X         | -.641                        | -.641                      | 0                  | %100              |
| 94  | M92A         | Z         | -1.11                        | -1.11                      | 0                  | %100              |
| 95  | M93          | X         | 0                            | 0                          | 0                  | %100              |
| 96  | M93          | Z         | 0                            | 0                          | 0                  | %100              |
| 97  | M46          | X         | -1.956                       | -1.956                     | 0                  | %100              |
| 98  | M46          | Z         | -3.388                       | -3.388                     | 0                  | %100              |
| 99  | M80          | X         | 0                            | 0                          | 0                  | %100              |
| 100 | M80          | Z         | 0                            | 0                          | 0                  | %100              |
| 101 | M91          | X         | -2.038                       | -2.038                     | 0                  | %100              |
| 102 | M91          | Z         | -3.53                        | -3.53                      | 0                  | %100              |
| 103 | M55          | X         | 0                            | 0                          | 0                  | %100              |
| 104 | M55          | Z         | 0                            | 0                          | 0                  | %100              |
| 105 | M66          | X         | -2.038                       | -2.038                     | 0                  | %100              |
| 106 | M66          | Z         | -3.53                        | -3.53                      | 0                  | %100              |
| 107 | M71          | X         | -2.038                       | -2.038                     | 0                  | %100              |
| 108 | M71          | Z         | -3.53                        | -3.53                      | 0                  | %100              |
| 109 | M79A         | X         | -1.956                       | -1.956                     | 0                  | %100              |
| 110 | M79A         | Z         | -3.388                       | -3.388                     | 0                  | %100              |
| 111 | M90          | X         | -2.038                       | -2.038                     | 0                  | %100              |
| 112 | M90          | Z         | -3.53                        | -3.53                      | 0                  | %100              |
| 113 | M95          | X         | 0                            | 0                          | 0                  | %100              |
| 114 | M95          | Z         | 0                            | 0                          | 0                  | %100              |
| 115 | OVP1         | X         | -1.338                       | -1.338                     | 0                  | %100              |
| 116 | OVP1         | Z         | -2.318                       | -2.318                     | 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[f.. | End Location[ft.. |
|----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 1  | M121         | X         | 0                            | 0                          | 0                  | %100              |
| 2  | M121         | Z         | -.166                        | -.166                      | 0                  | %100              |
| 3  | M122         | X         | 0                            | 0                          | 0                  | %100              |
| 4  | M122         | Z         | -.664                        | -.664                      | 0                  | %100              |
| 5  | M123         | X         | 0                            | 0                          | 0                  | %100              |
| 6  | M123         | Z         | -.166                        | -.166                      | 0                  | %100              |
| 7  | M100         | X         | 0                            | 0                          | 0                  | %100              |
| 8  | M100         | Z         | -.6                          | -.6                        | 0                  | %100              |
| 9  | M105         | X         | 0                            | 0                          | 0                  | %100              |
| 10 | M105         | Z         | -.15                         | -.15                       | 0                  | %100              |
| 11 | M106         | X         | 0                            | 0                          | 0                  | %100              |
| 12 | M106         | Z         | -.15                         | -.15                       | 0                  | %100              |
| 13 | M4           | X         | 0                            | 0                          | 0                  | %100              |
| 14 | M4           | Z         | 0                            | 0                          | 0                  | %100              |
| 15 | M52A         | X         | 0                            | 0                          | 0                  | %100              |
| 16 | M52A         | Z         | -.673                        | -.673                      | 0                  | %100              |
| 17 | M76A         | X         | 0                            | 0                          | 0                  | %100              |
| 18 | M76A         | Z         | -.673                        | -.673                      | 0                  | %100              |
| 19 | M10          | X         | 0                            | 0                          | 0                  | %100              |
| 20 | M10          | Z         | -.759                        | -.759                      | 0                  | %100              |
| 21 | M43          | 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 Locationft. | End Locationft. |
|--------------|-----------|------------------------------|----------------------------|-------------------|-----------------|
| 22           | M43       | Z                            | -0.759                     | 0                 | %100            |
| 23           | M53       | X                            | 0                          | 0                 | %100            |
| 24           | M53       | Z                            | -0.19                      | 0                 | %100            |
| 25           | M54       | X                            | 0                          | 0                 | %100            |
| 26           | M54       | Z                            | -0.19                      | 0                 | %100            |
| 27           | M77A      | X                            | 0                          | 0                 | %100            |
| 28           | M77A      | Z                            | -0.19                      | 0                 | %100            |
| 29           | M78       | X                            | 0                          | 0                 | %100            |
| 30           | M78       | Z                            | -0.19                      | 0                 | %100            |
| 31           | MP3A      | X                            | 0                          | 0                 | %100            |
| 32           | MP3A      | Z                            | -0.6                       | 0                 | %100            |
| 33           | MP4A      | X                            | 0                          | 0                 | %100            |
| 34           | MP4A      | Z                            | -0.6                       | 0                 | %100            |
| 35           | MP2A      | X                            | 0                          | 0                 | %100            |
| 36           | MP2A      | Z                            | -0.6                       | 0                 | %100            |
| 37           | MP1A      | X                            | 0                          | 0                 | %100            |
| 38           | MP1A      | Z                            | -0.6                       | 0                 | %100            |
| 39           | MP3C      | X                            | 0                          | 0                 | %100            |
| 40           | MP3C      | Z                            | -0.6                       | 0                 | %100            |
| 41           | MP4C      | X                            | 0                          | 0                 | %100            |
| 42           | MP4C      | Z                            | -0.6                       | 0                 | %100            |
| 43           | MP2C      | X                            | 0                          | 0                 | %100            |
| 44           | MP2C      | Z                            | -0.6                       | 0                 | %100            |
| 45           | MP1C      | X                            | 0                          | 0                 | %100            |
| 46           | MP1C      | Z                            | -0.6                       | 0                 | %100            |
| 47           | MP3B      | X                            | 0                          | 0                 | %100            |
| 48           | MP3B      | Z                            | -0.6                       | 0                 | %100            |
| 49           | MP4B      | X                            | 0                          | 0                 | %100            |
| 50           | MP4B      | Z                            | -0.6                       | 0                 | %100            |
| 51           | MP2B      | X                            | 0                          | 0                 | %100            |
| 52           | MP2B      | Z                            | -0.6                       | 0                 | %100            |
| 53           | MP1B      | X                            | 0                          | 0                 | %100            |
| 54           | MP1B      | Z                            | -0.6                       | 0                 | %100            |
| 55           | M51B      | X                            | 0                          | 0                 | %100            |
| 56           | M51B      | Z                            | -0.21                      | 0                 | %100            |
| 57           | M52B      | X                            | 0                          | 0                 | %100            |
| 58           | M52B      | Z                            | -0.21                      | 0                 | %100            |
| 59           | M58A      | X                            | 0                          | 0                 | %100            |
| 60           | M58A      | Z                            | -0.21                      | 0                 | %100            |
| 61           | M59A      | X                            | 0                          | 0                 | %100            |
| 62           | M59A      | Z                            | -0.841                     | 0                 | %100            |
| 63           | M82       | X                            | 0                          | 0                 | %100            |
| 64           | M82       | Z                            | -0.841                     | 0                 | %100            |
| 65           | M83A      | X                            | 0                          | 0                 | %100            |
| 66           | M83A      | Z                            | -0.21                      | 0                 | %100            |
| 67           | M1        | X                            | 0                          | 0                 | %100            |
| 68           | M1        | Z                            | -0.87                      | 0                 | %100            |
| 69           | M82A      | X                            | 0                          | 0                 | %100            |
| 70           | M82A      | Z                            | -0.217                     | 0                 | %100            |
| 71           | M91B      | X                            | 0                          | 0                 | %100            |
| 72           | M91B      | Z                            | -0.217                     | 0                 | %100            |
| 73           | M76       | X                            | 0                          | 0                 | %100            |
| 74           | M76       | Z                            | 0                          | 0                 | %100            |
| 75           | M77       | X                            | 0                          | 0                 | %100            |
| 76           | M77       | Z                            | -0.386                     | 0                 | %100            |
| 77           | M84       | X                            | 0                          | 0                 | %100            |
| 78           | M84       | Z                            | 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[f.. | End Location[ft.. |
|-----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 79  | M85          | X         | 0                            | 0                          | 0                  | %100              |
| 80  | M85          | Z         | -.386                        | -.386                      | 0                  | %100              |
| 81  | M63          | X         | 0                            | 0                          | 0                  | %100              |
| 82  | M63          | Z         | -1.136                       | -1.136                     | 0                  | %100              |
| 83  | M64          | X         | 0                            | 0                          | 0                  | %100              |
| 84  | M64          | Z         | -.386                        | -.386                      | 0                  | %100              |
| 85  | M68          | X         | 0                            | 0                          | 0                  | %100              |
| 86  | M68          | Z         | -1.136                       | -1.136                     | 0                  | %100              |
| 87  | M69          | X         | 0                            | 0                          | 0                  | %100              |
| 88  | M69          | Z         | -1.543                       | -1.543                     | 0                  | %100              |
| 89  | M87          | X         | 0                            | 0                          | 0                  | %100              |
| 90  | M87          | Z         | -1.136                       | -1.136                     | 0                  | %100              |
| 91  | M88A         | X         | 0                            | 0                          | 0                  | %100              |
| 92  | M88A         | Z         | -1.543                       | -1.543                     | 0                  | %100              |
| 93  | M92A         | X         | 0                            | 0                          | 0                  | %100              |
| 94  | M92A         | Z         | -1.136                       | -1.136                     | 0                  | %100              |
| 95  | M93          | X         | 0                            | 0                          | 0                  | %100              |
| 96  | M93          | Z         | -.386                        | -.386                      | 0                  | %100              |
| 97  | M46          | X         | 0                            | 0                          | 0                  | %100              |
| 98  | M46          | Z         | -1.515                       | -1.515                     | 0                  | %100              |
| 99  | M80          | X         | 0                            | 0                          | 0                  | %100              |
| 100 | M80          | Z         | -.406                        | -.406                      | 0                  | %100              |
| 101 | M91          | X         | 0                            | 0                          | 0                  | %100              |
| 102 | M91          | Z         | -.406                        | -.406                      | 0                  | %100              |
| 103 | M55          | X         | 0                            | 0                          | 0                  | %100              |
| 104 | M55          | Z         | -.379                        | -.379                      | 0                  | %100              |
| 105 | M66          | X         | 0                            | 0                          | 0                  | %100              |
| 106 | M66          | Z         | -.406                        | -.406                      | 0                  | %100              |
| 107 | M71          | X         | 0                            | 0                          | 0                  | %100              |
| 108 | M71          | Z         | -1.625                       | -1.625                     | 0                  | %100              |
| 109 | M79A         | X         | 0                            | 0                          | 0                  | %100              |
| 110 | M79A         | Z         | -.379                        | -.379                      | 0                  | %100              |
| 111 | M90          | X         | 0                            | 0                          | 0                  | %100              |
| 112 | M90          | Z         | -1.625                       | -1.625                     | 0                  | %100              |
| 113 | M95          | X         | 0                            | 0                          | 0                  | %100              |
| 114 | M95          | Z         | -.406                        | -.406                      | 0                  | %100              |
| 115 | OVP1         | X         | 0                            | 0                          | 0                  | %100              |
| 116 | OVP1         | Z         | -.49                         | -.49                       | 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[f.. | End Location[ft.. |
|----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 1  | M121         | X         | .249                         | .249                       | 0                  | %100              |
| 2  | M121         | Z         | -.431                        | -.431                      | 0                  | %100              |
| 3  | M122         | X         | .249                         | .249                       | 0                  | %100              |
| 4  | M122         | Z         | -.431                        | -.431                      | 0                  | %100              |
| 5  | M123         | X         | 0                            | 0                          | 0                  | %100              |
| 6  | M123         | Z         | 0                            | 0                          | 0                  | %100              |
| 7  | M100         | X         | .225                         | .225                       | 0                  | %100              |
| 8  | M100         | Z         | -.389                        | -.389                      | 0                  | %100              |
| 9  | M105         | X         | .225                         | .225                       | 0                  | %100              |
| 10 | M105         | Z         | -.389                        | -.389                      | 0                  | %100              |
| 11 | M106         | X         | 0                            | 0                          | 0                  | %100              |
| 12 | M106         | Z         | 0                            | 0                          | 0                  | %100              |
| 13 | M4           | X         | .112                         | .112                       | 0                  | %100              |
| 14 | M4           | Z         | -.194                        | -.194                      | 0                  | %100              |
| 15 | M52A         | X         | .112                         | .112                       | 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 Locationft. | End Locationft. |
|--------------|-----------|------------------------------|----------------------------|-------------------|-----------------|
| 16           | M52A      | Z                            | -.194                      | 0                 | %100            |
| 17           | M76A      | X                            | .449                       | 0                 | %100            |
| 18           | M76A      | Z                            | -.777                      | 0                 | %100            |
| 19           | M10       | X                            | .285                       | 0                 | %100            |
| 20           | M10       | Z                            | -.493                      | 0                 | %100            |
| 21           | M43       | X                            | .285                       | 0                 | %100            |
| 22           | M43       | Z                            | -.493                      | 0                 | %100            |
| 23           | M53       | X                            | .285                       | 0                 | %100            |
| 24           | M53       | Z                            | -.493                      | 0                 | %100            |
| 25           | M54       | X                            | .285                       | 0                 | %100            |
| 26           | M54       | Z                            | -.493                      | 0                 | %100            |
| 27           | M77A      | X                            | 0                          | 0                 | %100            |
| 28           | M77A      | Z                            | 0                          | 0                 | %100            |
| 29           | M78       | X                            | 0                          | 0                 | %100            |
| 30           | M78       | Z                            | 0                          | 0                 | %100            |
| 31           | MP3A      | X                            | .3                         | 0                 | %100            |
| 32           | MP3A      | Z                            | -.519                      | 0                 | %100            |
| 33           | MP4A      | X                            | .3                         | 0                 | %100            |
| 34           | MP4A      | Z                            | -.519                      | 0                 | %100            |
| 35           | MP2A      | X                            | .3                         | 0                 | %100            |
| 36           | MP2A      | Z                            | -.519                      | 0                 | %100            |
| 37           | MP1A      | X                            | .3                         | 0                 | %100            |
| 38           | MP1A      | Z                            | -.519                      | 0                 | %100            |
| 39           | MP3C      | X                            | .3                         | 0                 | %100            |
| 40           | MP3C      | Z                            | -.519                      | 0                 | %100            |
| 41           | MP4C      | X                            | .3                         | 0                 | %100            |
| 42           | MP4C      | Z                            | -.519                      | 0                 | %100            |
| 43           | MP2C      | X                            | .3                         | 0                 | %100            |
| 44           | MP2C      | Z                            | -.519                      | 0                 | %100            |
| 45           | MP1C      | X                            | .3                         | 0                 | %100            |
| 46           | MP1C      | Z                            | -.519                      | 0                 | %100            |
| 47           | MP3B      | X                            | .3                         | 0                 | %100            |
| 48           | MP3B      | Z                            | -.519                      | 0                 | %100            |
| 49           | MP4B      | X                            | .3                         | 0                 | %100            |
| 50           | MP4B      | Z                            | -.519                      | 0                 | %100            |
| 51           | MP2B      | X                            | .3                         | 0                 | %100            |
| 52           | MP2B      | Z                            | -.519                      | 0                 | %100            |
| 53           | MP1B      | X                            | .3                         | 0                 | %100            |
| 54           | MP1B      | Z                            | -.519                      | 0                 | %100            |
| 55           | M51B      | X                            | .315                       | 0                 | %100            |
| 56           | M51B      | Z                            | -.546                      | 0                 | %100            |
| 57           | M52B      | X                            | 0                          | 0                 | %100            |
| 58           | M52B      | Z                            | 0                          | 0                 | %100            |
| 59           | M58A      | X                            | 0                          | 0                 | %100            |
| 60           | M58A      | Z                            | 0                          | 0                 | %100            |
| 61           | M59A      | X                            | .315                       | 0                 | %100            |
| 62           | M59A      | Z                            | -.546                      | 0                 | %100            |
| 63           | M82       | X                            | .315                       | 0                 | %100            |
| 64           | M82       | Z                            | -.546                      | 0                 | %100            |
| 65           | M83A      | X                            | .315                       | 0                 | %100            |
| 66           | M83A      | Z                            | -.546                      | 0                 | %100            |
| 67           | M1        | X                            | .326                       | 0                 | %100            |
| 68           | M1        | Z                            | -.565                      | 0                 | %100            |
| 69           | M82A      | X                            | .326                       | 0                 | %100            |
| 70           | M82A      | Z                            | -.565                      | 0                 | %100            |
| 71           | M91B      | X                            | 0                          | 0                 | %100            |
| 72           | M91B      | Z                            | 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[f.. | End Location[ft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 73           | M76       | X                            | .189                       | 0                  | %100              |
| 74           | M76       | Z                            | -.328                      | 0                  | %100              |
| 75           | M77       | X                            | .579                       | 0                  | %100              |
| 76           | M77       | Z                            | -1.002                     | 0                  | %100              |
| 77           | M84       | X                            | .189                       | 0                  | %100              |
| 78           | M84       | Z                            | -.328                      | 0                  | %100              |
| 79           | M85       | X                            | 0                          | 0                  | %100              |
| 80           | M85       | Z                            | 0                          | 0                  | %100              |
| 81           | M63       | X                            | .189                       | 0                  | %100              |
| 82           | M63       | Z                            | -.328                      | 0                  | %100              |
| 83           | M64       | X                            | 0                          | 0                  | %100              |
| 84           | M64       | Z                            | 0                          | 0                  | %100              |
| 85           | M68       | X                            | .189                       | 0                  | %100              |
| 86           | M68       | Z                            | -.328                      | 0                  | %100              |
| 87           | M69       | X                            | .579                       | 0                  | %100              |
| 88           | M69       | Z                            | -1.002                     | 0                  | %100              |
| 89           | M87       | X                            | .757                       | 0                  | %100              |
| 90           | M87       | Z                            | -1.312                     | 0                  | %100              |
| 91           | M88A      | X                            | .579                       | 0                  | %100              |
| 92           | M88A      | Z                            | -1.002                     | 0                  | %100              |
| 93           | M92A      | X                            | .757                       | 0                  | %100              |
| 94           | M92A      | Z                            | -1.312                     | 0                  | %100              |
| 95           | M93       | X                            | .579                       | 0                  | %100              |
| 96           | M93       | Z                            | -1.002                     | 0                  | %100              |
| 97           | M46       | X                            | .568                       | 0                  | %100              |
| 98           | M46       | Z                            | -.984                      | 0                  | %100              |
| 99           | M80       | X                            | .609                       | 0                  | %100              |
| 100          | M80       | Z                            | -1.056                     | 0                  | %100              |
| 101          | M91       | X                            | 0                          | 0                  | %100              |
| 102          | M91       | Z                            | 0                          | 0                  | %100              |
| 103          | M55       | X                            | .568                       | 0                  | %100              |
| 104          | M55       | Z                            | -.984                      | 0                  | %100              |
| 105          | M66       | X                            | 0                          | 0                  | %100              |
| 106          | M66       | Z                            | 0                          | 0                  | %100              |
| 107          | M71       | X                            | .609                       | 0                  | %100              |
| 108          | M71       | Z                            | -1.056                     | 0                  | %100              |
| 109          | M79A      | X                            | 0                          | 0                  | %100              |
| 110          | M79A      | Z                            | 0                          | 0                  | %100              |
| 111          | M90       | X                            | .609                       | 0                  | %100              |
| 112          | M90       | Z                            | -1.056                     | 0                  | %100              |
| 113          | M95       | X                            | .609                       | 0                  | %100              |
| 114          | M95       | Z                            | -1.056                     | 0                  | %100              |
| 115          | OVP1      | X                            | .245                       | 0                  | %100              |
| 116          | OVP1      | Z                            | -.425                      | 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[f.. | End Location[ft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 1            | M121      | X                            | .575                       | 0                  | %100              |
| 2            | M121      | Z                            | -.332                      | 0                  | %100              |
| 3            | M122      | X                            | .144                       | 0                  | %100              |
| 4            | M122      | Z                            | -.083                      | 0                  | %100              |
| 5            | M123      | X                            | .144                       | 0                  | %100              |
| 6            | M123      | Z                            | -.083                      | 0                  | %100              |
| 7            | M100      | X                            | .13                        | 0                  | %100              |
| 8            | M100      | Z                            | -.075                      | 0                  | %100              |
| 9            | M105      | X                            | .519                       | 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 Locationft. | End Locationft. |
|--------------|-----------|------------------------------|----------------------------|-------------------|-----------------|
| 10           | M105      | Z                            | -.3                        | 0                 | %100            |
| 11           | M106      | X                            | .13                        | 0                 | %100            |
| 12           | M106      | Z                            | -.075                      | 0                 | %100            |
| 13           | M4        | X                            | .583                       | 0                 | %100            |
| 14           | M4        | Z                            | -.337                      | 0                 | %100            |
| 15           | M52A      | X                            | 0                          | 0                 | %100            |
| 16           | M52A      | Z                            | 0                          | 0                 | %100            |
| 17           | M76A      | X                            | .583                       | 0                 | %100            |
| 18           | M76A      | Z                            | -.337                      | 0                 | %100            |
| 19           | M10       | X                            | .164                       | 0                 | %100            |
| 20           | M10       | Z                            | -.095                      | 0                 | %100            |
| 21           | M43       | X                            | .164                       | 0                 | %100            |
| 22           | M43       | Z                            | -.095                      | 0                 | %100            |
| 23           | M53       | X                            | .658                       | 0                 | %100            |
| 24           | M53       | Z                            | -.38                       | 0                 | %100            |
| 25           | M54       | X                            | .658                       | 0                 | %100            |
| 26           | M54       | Z                            | -.38                       | 0                 | %100            |
| 27           | M77A      | X                            | .164                       | 0                 | %100            |
| 28           | M77A      | Z                            | -.095                      | 0                 | %100            |
| 29           | M78       | X                            | .164                       | 0                 | %100            |
| 30           | M78       | Z                            | -.095                      | 0                 | %100            |
| 31           | MP3A      | X                            | .519                       | 0                 | %100            |
| 32           | MP3A      | Z                            | -.3                        | 0                 | %100            |
| 33           | MP4A      | X                            | .519                       | 0                 | %100            |
| 34           | MP4A      | Z                            | -.3                        | 0                 | %100            |
| 35           | MP2A      | X                            | .519                       | 0                 | %100            |
| 36           | MP2A      | Z                            | -.3                        | 0                 | %100            |
| 37           | MP1A      | X                            | .519                       | 0                 | %100            |
| 38           | MP1A      | Z                            | -.3                        | 0                 | %100            |
| 39           | MP3C      | X                            | .519                       | 0                 | %100            |
| 40           | MP3C      | Z                            | -.3                        | 0                 | %100            |
| 41           | MP4C      | X                            | .519                       | 0                 | %100            |
| 42           | MP4C      | Z                            | -.3                        | 0                 | %100            |
| 43           | MP2C      | X                            | .519                       | 0                 | %100            |
| 44           | MP2C      | Z                            | -.3                        | 0                 | %100            |
| 45           | MP1C      | X                            | .519                       | 0                 | %100            |
| 46           | MP1C      | Z                            | -.3                        | 0                 | %100            |
| 47           | MP3B      | X                            | .519                       | 0                 | %100            |
| 48           | MP3B      | Z                            | -.3                        | 0                 | %100            |
| 49           | MP4B      | X                            | .519                       | 0                 | %100            |
| 50           | MP4B      | Z                            | -.3                        | 0                 | %100            |
| 51           | MP2B      | X                            | .519                       | 0                 | %100            |
| 52           | MP2B      | Z                            | -.3                        | 0                 | %100            |
| 53           | MP1B      | X                            | .519                       | 0                 | %100            |
| 54           | MP1B      | Z                            | -.3                        | 0                 | %100            |
| 55           | M51B      | X                            | .728                       | 0                 | %100            |
| 56           | M51B      | Z                            | -.421                      | 0                 | %100            |
| 57           | M52B      | X                            | .182                       | 0                 | %100            |
| 58           | M52B      | Z                            | -.105                      | 0                 | %100            |
| 59           | M58A      | X                            | .182                       | 0                 | %100            |
| 60           | M58A      | Z                            | -.105                      | 0                 | %100            |
| 61           | M59A      | X                            | .182                       | 0                 | %100            |
| 62           | M59A      | Z                            | -.105                      | 0                 | %100            |
| 63           | M82       | X                            | .182                       | 0                 | %100            |
| 64           | M82       | Z                            | -.105                      | 0                 | %100            |
| 65           | M83A      | X                            | .728                       | 0                 | %100            |
| 66           | M83A      | Z                            | -.421                      | 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[f.. | End Location[ft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 67           | M1        | X                            | .188                       | .188               | 0 %100            |
| 68           | M1        | Z                            | -.109                      | -.109              | 0 %100            |
| 69           | M82A      | X                            | .753                       | .753               | 0 %100            |
| 70           | M82A      | Z                            | -.435                      | -.435              | 0 %100            |
| 71           | M91B      | X                            | .188                       | .188               | 0 %100            |
| 72           | M91B      | Z                            | -.109                      | -.109              | 0 %100            |
| 73           | M76       | X                            | .984                       | .984               | 0 %100            |
| 74           | M76       | Z                            | -.568                      | -.568              | 0 %100            |
| 75           | M77       | X                            | 1.336                      | 1.336              | 0 %100            |
| 76           | M77       | Z                            | -.771                      | -.771              | 0 %100            |
| 77           | M84       | X                            | .984                       | .984               | 0 %100            |
| 78           | M84       | Z                            | -.568                      | -.568              | 0 %100            |
| 79           | M85       | X                            | .334                       | .334               | 0 %100            |
| 80           | M85       | Z                            | -.193                      | -.193              | 0 %100            |
| 81           | M63       | X                            | 0                          | 0                  | 0 %100            |
| 82           | M63       | Z                            | 0                          | 0                  | 0 %100            |
| 83           | M64       | X                            | .334                       | .334               | 0 %100            |
| 84           | M64       | Z                            | -.193                      | -.193              | 0 %100            |
| 85           | M68       | X                            | 0                          | 0                  | 0 %100            |
| 86           | M68       | Z                            | 0                          | 0                  | 0 %100            |
| 87           | M69       | X                            | .334                       | .334               | 0 %100            |
| 88           | M69       | Z                            | -.193                      | -.193              | 0 %100            |
| 89           | M87       | X                            | .984                       | .984               | 0 %100            |
| 90           | M87       | Z                            | -.568                      | -.568              | 0 %100            |
| 91           | M88A      | X                            | .334                       | .334               | 0 %100            |
| 92           | M88A      | Z                            | -.193                      | -.193              | 0 %100            |
| 93           | M92A      | X                            | .984                       | .984               | 0 %100            |
| 94           | M92A      | Z                            | -.568                      | -.568              | 0 %100            |
| 95           | M93       | X                            | 1.336                      | 1.336              | 0 %100            |
| 96           | M93       | Z                            | -.771                      | -.771              | 0 %100            |
| 97           | M46       | X                            | .328                       | .328               | 0 %100            |
| 98           | M46       | Z                            | -.189                      | -.189              | 0 %100            |
| 99           | M80       | X                            | 1.407                      | 1.407              | 0 %100            |
| 100          | M80       | Z                            | -.813                      | -.813              | 0 %100            |
| 101          | M91       | X                            | .352                       | .352               | 0 %100            |
| 102          | M91       | Z                            | -.203                      | -.203              | 0 %100            |
| 103          | M55       | X                            | 1.312                      | 1.312              | 0 %100            |
| 104          | M55       | Z                            | -.757                      | -.757              | 0 %100            |
| 105          | M66       | X                            | .352                       | .352               | 0 %100            |
| 106          | M66       | Z                            | -.203                      | -.203              | 0 %100            |
| 107          | M71       | X                            | .352                       | .352               | 0 %100            |
| 108          | M71       | Z                            | -.203                      | -.203              | 0 %100            |
| 109          | M79A      | X                            | .328                       | .328               | 0 %100            |
| 110          | M79A      | Z                            | -.189                      | -.189              | 0 %100            |
| 111          | M90       | X                            | .352                       | .352               | 0 %100            |
| 112          | M90       | Z                            | -.203                      | -.203              | 0 %100            |
| 113          | M95       | X                            | 1.407                      | 1.407              | 0 %100            |
| 114          | M95       | Z                            | -.813                      | -.813              | 0 %100            |
| 115          | OVP1      | X                            | .425                       | .425               | 0 %100            |
| 116          | OVP1      | Z                            | -.245                      | -.245              | 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[f.. | End Location[ft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 1            | M121      | X                            | .498                       | .498               | 0 %100            |
| 2            | M121      | Z                            | 0                          | 0                  | 0 %100            |
| 3            | M122      | X                            | 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 Locationf.. | End Locationft.. |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|------------------|
| 4  | M122         | Z         | 0                            | 0                          | 0                 | %100             |
| 5  | M123         | X         | .498                         | .498                       | 0                 | %100             |
| 6  | M123         | Z         | 0                            | 0                          | 0                 | %100             |
| 7  | M100         | X         | 0                            | 0                          | 0                 | %100             |
| 8  | M100         | Z         | 0                            | 0                          | 0                 | %100             |
| 9  | M105         | X         | .45                          | .45                        | 0                 | %100             |
| 10 | M105         | Z         | 0                            | 0                          | 0                 | %100             |
| 11 | M106         | X         | .45                          | .45                        | 0                 | %100             |
| 12 | M106         | Z         | 0                            | 0                          | 0                 | %100             |
| 13 | M4           | X         | .898                         | .898                       | 0                 | %100             |
| 14 | M4           | Z         | 0                            | 0                          | 0                 | %100             |
| 15 | M52A         | X         | .224                         | .224                       | 0                 | %100             |
| 16 | M52A         | Z         | 0                            | 0                          | 0                 | %100             |
| 17 | M76A         | X         | .224                         | .224                       | 0                 | %100             |
| 18 | M76A         | Z         | 0                            | 0                          | 0                 | %100             |
| 19 | M10          | X         | 0                            | 0                          | 0                 | %100             |
| 20 | M10          | Z         | 0                            | 0                          | 0                 | %100             |
| 21 | M43          | X         | 0                            | 0                          | 0                 | %100             |
| 22 | M43          | Z         | 0                            | 0                          | 0                 | %100             |
| 23 | M53          | X         | .57                          | .57                        | 0                 | %100             |
| 24 | M53          | Z         | 0                            | 0                          | 0                 | %100             |
| 25 | M54          | X         | .57                          | .57                        | 0                 | %100             |
| 26 | M54          | Z         | 0                            | 0                          | 0                 | %100             |
| 27 | M77A         | X         | .57                          | .57                        | 0                 | %100             |
| 28 | M77A         | Z         | 0                            | 0                          | 0                 | %100             |
| 29 | M78          | X         | .57                          | .57                        | 0                 | %100             |
| 30 | M78          | Z         | 0                            | 0                          | 0                 | %100             |
| 31 | MP3A         | X         | .6                           | .6                         | 0                 | %100             |
| 32 | MP3A         | Z         | 0                            | 0                          | 0                 | %100             |
| 33 | MP4A         | X         | .6                           | .6                         | 0                 | %100             |
| 34 | MP4A         | Z         | 0                            | 0                          | 0                 | %100             |
| 35 | MP2A         | X         | .6                           | .6                         | 0                 | %100             |
| 36 | MP2A         | Z         | 0                            | 0                          | 0                 | %100             |
| 37 | MP1A         | X         | .6                           | .6                         | 0                 | %100             |
| 38 | MP1A         | Z         | 0                            | 0                          | 0                 | %100             |
| 39 | MP3C         | X         | .6                           | .6                         | 0                 | %100             |
| 40 | MP3C         | Z         | 0                            | 0                          | 0                 | %100             |
| 41 | MP4C         | X         | .6                           | .6                         | 0                 | %100             |
| 42 | MP4C         | Z         | 0                            | 0                          | 0                 | %100             |
| 43 | MP2C         | X         | .6                           | .6                         | 0                 | %100             |
| 44 | MP2C         | Z         | 0                            | 0                          | 0                 | %100             |
| 45 | MP1C         | X         | .6                           | .6                         | 0                 | %100             |
| 46 | MP1C         | Z         | 0                            | 0                          | 0                 | %100             |
| 47 | MP3B         | X         | .6                           | .6                         | 0                 | %100             |
| 48 | MP3B         | Z         | 0                            | 0                          | 0                 | %100             |
| 49 | MP4B         | X         | .6                           | .6                         | 0                 | %100             |
| 50 | MP4B         | Z         | 0                            | 0                          | 0                 | %100             |
| 51 | MP2B         | X         | .6                           | .6                         | 0                 | %100             |
| 52 | MP2B         | Z         | 0                            | 0                          | 0                 | %100             |
| 53 | MP1B         | X         | .6                           | .6                         | 0                 | %100             |
| 54 | MP1B         | Z         | 0                            | 0                          | 0                 | %100             |
| 55 | M51B         | X         | .631                         | .631                       | 0                 | %100             |
| 56 | M51B         | Z         | 0                            | 0                          | 0                 | %100             |
| 57 | M52B         | X         | .631                         | .631                       | 0                 | %100             |
| 58 | M52B         | Z         | 0                            | 0                          | 0                 | %100             |
| 59 | M58A         | X         | .631                         | .631                       | 0                 | %100             |
| 60 | M58A         | 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[f...] | End Location[ft...] |
|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 61           | M59A      | X                            | 0                          | 0                    | %100                |
| 62           | M59A      | Z                            | 0                          | 0                    | %100                |
| 63           | M82       | X                            | 0                          | 0                    | %100                |
| 64           | M82       | Z                            | 0                          | 0                    | %100                |
| 65           | M83A      | X                            | .631                       | .631                 | %100                |
| 66           | M83A      | Z                            | 0                          | 0                    | %100                |
| 67           | M1        | X                            | 0                          | 0                    | %100                |
| 68           | M1        | Z                            | 0                          | 0                    | %100                |
| 69           | M82A      | X                            | .652                       | .652                 | %100                |
| 70           | M82A      | Z                            | 0                          | 0                    | %100                |
| 71           | M91B      | X                            | .652                       | .652                 | %100                |
| 72           | M91B      | Z                            | 0                          | 0                    | %100                |
| 73           | M76       | X                            | 1.515                      | 1.515                | %100                |
| 74           | M76       | Z                            | 0                          | 0                    | %100                |
| 75           | M77       | X                            | 1.157                      | 1.157                | %100                |
| 76           | M77       | Z                            | 0                          | 0                    | %100                |
| 77           | M84       | X                            | 1.515                      | 1.515                | %100                |
| 78           | M84       | Z                            | 0                          | 0                    | %100                |
| 79           | M85       | X                            | 1.157                      | 1.157                | %100                |
| 80           | M85       | Z                            | 0                          | 0                    | %100                |
| 81           | M63       | X                            | .379                       | .379                 | %100                |
| 82           | M63       | Z                            | 0                          | 0                    | %100                |
| 83           | M64       | X                            | 1.157                      | 1.157                | %100                |
| 84           | M64       | Z                            | 0                          | 0                    | %100                |
| 85           | M68       | X                            | .379                       | .379                 | %100                |
| 86           | M68       | Z                            | 0                          | 0                    | %100                |
| 87           | M69       | X                            | 0                          | 0                    | %100                |
| 88           | M69       | Z                            | 0                          | 0                    | %100                |
| 89           | M87       | X                            | .379                       | .379                 | %100                |
| 90           | M87       | Z                            | 0                          | 0                    | %100                |
| 91           | M88A      | X                            | 0                          | 0                    | %100                |
| 92           | M88A      | Z                            | 0                          | 0                    | %100                |
| 93           | M92A      | X                            | .379                       | .379                 | %100                |
| 94           | M92A      | Z                            | 0                          | 0                    | %100                |
| 95           | M93       | X                            | 1.157                      | 1.157                | %100                |
| 96           | M93       | Z                            | 0                          | 0                    | %100                |
| 97           | M46       | X                            | 0                          | 0                    | %100                |
| 98           | M46       | Z                            | 0                          | 0                    | %100                |
| 99           | M80       | X                            | 1.219                      | 1.219                | %100                |
| 100          | M80       | Z                            | 0                          | 0                    | %100                |
| 101          | M91       | X                            | 1.219                      | 1.219                | %100                |
| 102          | M91       | Z                            | 0                          | 0                    | %100                |
| 103          | M55       | X                            | 1.136                      | 1.136                | %100                |
| 104          | M55       | Z                            | 0                          | 0                    | %100                |
| 105          | M66       | X                            | 1.219                      | 1.219                | %100                |
| 106          | M66       | Z                            | 0                          | 0                    | %100                |
| 107          | M71       | X                            | 0                          | 0                    | %100                |
| 108          | M71       | Z                            | 0                          | 0                    | %100                |
| 109          | M79A      | X                            | 1.136                      | 1.136                | %100                |
| 110          | M79A      | Z                            | 0                          | 0                    | %100                |
| 111          | M90       | X                            | 0                          | 0                    | %100                |
| 112          | M90       | Z                            | 0                          | 0                    | %100                |
| 113          | M95       | X                            | 1.219                      | 1.219                | %100                |
| 114          | M95       | Z                            | 0                          | 0                    | %100                |
| 115          | OVP1      | X                            | .49                        | .49                  | %100                |
| 116          | OVP1      | Z                            | 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[f...] | End Location[ft...] |
|----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 1  | M121         | X         | .144                         | .144                       | 0                    | %100                |
| 2  | M121         | Z         | .083                         | .083                       | 0                    | %100                |
| 3  | M122         | X         | .144                         | .144                       | 0                    | %100                |
| 4  | M122         | Z         | .083                         | .083                       | 0                    | %100                |
| 5  | M123         | X         | .575                         | .575                       | 0                    | %100                |
| 6  | M123         | Z         | .332                         | .332                       | 0                    | %100                |
| 7  | M100         | X         | .13                          | .13                        | 0                    | %100                |
| 8  | M100         | Z         | .075                         | .075                       | 0                    | %100                |
| 9  | M105         | X         | .13                          | .13                        | 0                    | %100                |
| 10 | M105         | Z         | .075                         | .075                       | 0                    | %100                |
| 11 | M106         | X         | .519                         | .519                       | 0                    | %100                |
| 12 | M106         | Z         | .3                           | .3                         | 0                    | %100                |
| 13 | M4           | X         | .583                         | .583                       | 0                    | %100                |
| 14 | M4           | Z         | .337                         | .337                       | 0                    | %100                |
| 15 | M52A         | X         | .583                         | .583                       | 0                    | %100                |
| 16 | M52A         | Z         | .337                         | .337                       | 0                    | %100                |
| 17 | M76A         | X         | 0                            | 0                          | 0                    | %100                |
| 18 | M76A         | Z         | 0                            | 0                          | 0                    | %100                |
| 19 | M10          | X         | .164                         | .164                       | 0                    | %100                |
| 20 | M10          | Z         | .095                         | .095                       | 0                    | %100                |
| 21 | M43          | X         | .164                         | .164                       | 0                    | %100                |
| 22 | M43          | Z         | .095                         | .095                       | 0                    | %100                |
| 23 | M53          | X         | .164                         | .164                       | 0                    | %100                |
| 24 | M53          | Z         | .095                         | .095                       | 0                    | %100                |
| 25 | M54          | X         | .164                         | .164                       | 0                    | %100                |
| 26 | M54          | Z         | .095                         | .095                       | 0                    | %100                |
| 27 | M77A         | X         | .658                         | .658                       | 0                    | %100                |
| 28 | M77A         | Z         | .38                          | .38                        | 0                    | %100                |
| 29 | M78          | X         | .658                         | .658                       | 0                    | %100                |
| 30 | M78          | Z         | .38                          | .38                        | 0                    | %100                |
| 31 | MP3A         | X         | .519                         | .519                       | 0                    | %100                |
| 32 | MP3A         | Z         | .3                           | .3                         | 0                    | %100                |
| 33 | MP4A         | X         | .519                         | .519                       | 0                    | %100                |
| 34 | MP4A         | Z         | .3                           | .3                         | 0                    | %100                |
| 35 | MP2A         | X         | .519                         | .519                       | 0                    | %100                |
| 36 | MP2A         | Z         | .3                           | .3                         | 0                    | %100                |
| 37 | MP1A         | X         | .519                         | .519                       | 0                    | %100                |
| 38 | MP1A         | Z         | .3                           | .3                         | 0                    | %100                |
| 39 | MP3C         | X         | .519                         | .519                       | 0                    | %100                |
| 40 | MP3C         | Z         | .3                           | .3                         | 0                    | %100                |
| 41 | MP4C         | X         | .519                         | .519                       | 0                    | %100                |
| 42 | MP4C         | Z         | .3                           | .3                         | 0                    | %100                |
| 43 | MP2C         | X         | .519                         | .519                       | 0                    | %100                |
| 44 | MP2C         | Z         | .3                           | .3                         | 0                    | %100                |
| 45 | MP1C         | X         | .519                         | .519                       | 0                    | %100                |
| 46 | MP1C         | Z         | .3                           | .3                         | 0                    | %100                |
| 47 | MP3B         | X         | .519                         | .519                       | 0                    | %100                |
| 48 | MP3B         | Z         | .3                           | .3                         | 0                    | %100                |
| 49 | MP4B         | X         | .519                         | .519                       | 0                    | %100                |
| 50 | MP4B         | Z         | .3                           | .3                         | 0                    | %100                |
| 51 | MP2B         | X         | .519                         | .519                       | 0                    | %100                |
| 52 | MP2B         | Z         | .3                           | .3                         | 0                    | %100                |
| 53 | MP1B         | X         | .519                         | .519                       | 0                    | %100                |
| 54 | MP1B         | Z         | .3                           | .3                         | 0                    | %100                |
| 55 | M51B         | X         | .182                         | .182                       | 0                    | %100                |
| 56 | M51B         | Z         | .105                         | .105                       | 0                    | %100                |
| 57 | M52B         | X         | .728                         | .728                       | 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 Locationft. | End Locationft. |
|--------------|-----------|------------------------------|----------------------------|-------------------|-----------------|
| 58           | M52B      | Z                            | .421                       | 0                 | %100            |
| 59           | M58A      | X                            | .728                       | 0                 | %100            |
| 60           | M58A      | Z                            | .421                       | 0                 | %100            |
| 61           | M59A      | X                            | .182                       | 0                 | %100            |
| 62           | M59A      | Z                            | .105                       | 0                 | %100            |
| 63           | M82       | X                            | .182                       | 0                 | %100            |
| 64           | M82       | Z                            | .105                       | 0                 | %100            |
| 65           | M83A      | X                            | .182                       | 0                 | %100            |
| 66           | M83A      | Z                            | .105                       | 0                 | %100            |
| 67           | M1        | X                            | .188                       | 0                 | %100            |
| 68           | M1        | Z                            | .109                       | 0                 | %100            |
| 69           | M82A      | X                            | .188                       | 0                 | %100            |
| 70           | M82A      | Z                            | .109                       | 0                 | %100            |
| 71           | M91B      | X                            | .753                       | 0                 | %100            |
| 72           | M91B      | Z                            | .435                       | 0                 | %100            |
| 73           | M76       | X                            | .984                       | 0                 | %100            |
| 74           | M76       | Z                            | .568                       | 0                 | %100            |
| 75           | M77       | X                            | .334                       | 0                 | %100            |
| 76           | M77       | Z                            | .193                       | 0                 | %100            |
| 77           | M84       | X                            | .984                       | 0                 | %100            |
| 78           | M84       | Z                            | .568                       | 0                 | %100            |
| 79           | M85       | X                            | 1.336                      | 0                 | %100            |
| 80           | M85       | Z                            | .771                       | 0                 | %100            |
| 81           | M63       | X                            | .984                       | 0                 | %100            |
| 82           | M63       | Z                            | .568                       | 0                 | %100            |
| 83           | M64       | X                            | 1.336                      | 0                 | %100            |
| 84           | M64       | Z                            | .771                       | 0                 | %100            |
| 85           | M68       | X                            | .984                       | 0                 | %100            |
| 86           | M68       | Z                            | .568                       | 0                 | %100            |
| 87           | M69       | X                            | .334                       | 0                 | %100            |
| 88           | M69       | Z                            | .193                       | 0                 | %100            |
| 89           | M87       | X                            | 0                          | 0                 | %100            |
| 90           | M87       | Z                            | 0                          | 0                 | %100            |
| 91           | M88A      | X                            | .334                       | 0                 | %100            |
| 92           | M88A      | Z                            | .193                       | 0                 | %100            |
| 93           | M92A      | X                            | 0                          | 0                 | %100            |
| 94           | M92A      | Z                            | 0                          | 0                 | %100            |
| 95           | M93       | X                            | .334                       | 0                 | %100            |
| 96           | M93       | Z                            | .193                       | 0                 | %100            |
| 97           | M46       | X                            | .328                       | 0                 | %100            |
| 98           | M46       | Z                            | .189                       | 0                 | %100            |
| 99           | M80       | X                            | .352                       | 0                 | %100            |
| 100          | M80       | Z                            | .203                       | 0                 | %100            |
| 101          | M91       | X                            | 1.407                      | 0                 | %100            |
| 102          | M91       | Z                            | .813                       | 0                 | %100            |
| 103          | M55       | X                            | .328                       | 0                 | %100            |
| 104          | M55       | Z                            | .189                       | 0                 | %100            |
| 105          | M66       | X                            | 1.407                      | 0                 | %100            |
| 106          | M66       | Z                            | .813                       | 0                 | %100            |
| 107          | M71       | X                            | .352                       | 0                 | %100            |
| 108          | M71       | Z                            | .203                       | 0                 | %100            |
| 109          | M79A      | X                            | 1.312                      | 0                 | %100            |
| 110          | M79A      | Z                            | .757                       | 0                 | %100            |
| 111          | M90       | X                            | .352                       | 0                 | %100            |
| 112          | M90       | Z                            | .203                       | 0                 | %100            |
| 113          | M95       | X                            | .352                       | 0                 | %100            |
| 114          | M95       | Z                            | .203                       | 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[f...] | End Location[ft...] |
|-----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 115 | OVP1         | X         | .425                         | .425                       | 0                    | %100                |
| 116 | OVP1         | Z         | .245                         | .245                       | 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[f...] | End Location[ft...] |
|----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 1  | M121         | X         | 0                            | 0                          | 0                    | %100                |
| 2  | M121         | Z         | 0                            | 0                          | 0                    | %100                |
| 3  | M122         | X         | .249                         | .249                       | 0                    | %100                |
| 4  | M122         | Z         | .431                         | .431                       | 0                    | %100                |
| 5  | M123         | X         | .249                         | .249                       | 0                    | %100                |
| 6  | M123         | Z         | .431                         | .431                       | 0                    | %100                |
| 7  | M100         | X         | .225                         | .225                       | 0                    | %100                |
| 8  | M100         | Z         | .389                         | .389                       | 0                    | %100                |
| 9  | M105         | X         | 0                            | 0                          | 0                    | %100                |
| 10 | M105         | Z         | 0                            | 0                          | 0                    | %100                |
| 11 | M106         | X         | .225                         | .225                       | 0                    | %100                |
| 12 | M106         | Z         | .389                         | .389                       | 0                    | %100                |
| 13 | M4           | X         | .112                         | .112                       | 0                    | %100                |
| 14 | M4           | Z         | .194                         | .194                       | 0                    | %100                |
| 15 | M52A         | X         | .449                         | .449                       | 0                    | %100                |
| 16 | M52A         | Z         | .777                         | .777                       | 0                    | %100                |
| 17 | M76A         | X         | .112                         | .112                       | 0                    | %100                |
| 18 | M76A         | Z         | .194                         | .194                       | 0                    | %100                |
| 19 | M10          | X         | .285                         | .285                       | 0                    | %100                |
| 20 | M10          | Z         | .493                         | .493                       | 0                    | %100                |
| 21 | M43          | X         | .285                         | .285                       | 0                    | %100                |
| 22 | M43          | Z         | .493                         | .493                       | 0                    | %100                |
| 23 | M53          | X         | 0                            | 0                          | 0                    | %100                |
| 24 | M53          | Z         | 0                            | 0                          | 0                    | %100                |
| 25 | M54          | X         | 0                            | 0                          | 0                    | %100                |
| 26 | M54          | Z         | 0                            | 0                          | 0                    | %100                |
| 27 | M77A         | X         | .285                         | .285                       | 0                    | %100                |
| 28 | M77A         | Z         | .493                         | .493                       | 0                    | %100                |
| 29 | M78          | X         | .285                         | .285                       | 0                    | %100                |
| 30 | M78          | Z         | .493                         | .493                       | 0                    | %100                |
| 31 | MP3A         | X         | .3                           | .3                         | 0                    | %100                |
| 32 | MP3A         | Z         | .519                         | .519                       | 0                    | %100                |
| 33 | MP4A         | X         | .3                           | .3                         | 0                    | %100                |
| 34 | MP4A         | Z         | .519                         | .519                       | 0                    | %100                |
| 35 | MP2A         | X         | .3                           | .3                         | 0                    | %100                |
| 36 | MP2A         | Z         | .519                         | .519                       | 0                    | %100                |
| 37 | MP1A         | X         | .3                           | .3                         | 0                    | %100                |
| 38 | MP1A         | Z         | .519                         | .519                       | 0                    | %100                |
| 39 | MP3C         | X         | .3                           | .3                         | 0                    | %100                |
| 40 | MP3C         | Z         | .519                         | .519                       | 0                    | %100                |
| 41 | MP4C         | X         | .3                           | .3                         | 0                    | %100                |
| 42 | MP4C         | Z         | .519                         | .519                       | 0                    | %100                |
| 43 | MP2C         | X         | .3                           | .3                         | 0                    | %100                |
| 44 | MP2C         | Z         | .519                         | .519                       | 0                    | %100                |
| 45 | MP1C         | X         | .3                           | .3                         | 0                    | %100                |
| 46 | MP1C         | Z         | .519                         | .519                       | 0                    | %100                |
| 47 | MP3B         | X         | .3                           | .3                         | 0                    | %100                |
| 48 | MP3B         | Z         | .519                         | .519                       | 0                    | %100                |
| 49 | MP4B         | X         | .3                           | .3                         | 0                    | %100                |
| 50 | MP4B         | Z         | .519                         | .519                       | 0                    | %100                |
| 51 | MP2B         | X         | .3                           | .3                         | 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 Locationft. | End Locationft. |
|--------------|-----------|------------------------------|----------------------------|-------------------|-----------------|
| 52           | MP2B      | Z                            | .519                       | 0                 | %100            |
| 53           | MP1B      | X                            | .3                         | 0                 | %100            |
| 54           | MP1B      | Z                            | .519                       | 0                 | %100            |
| 55           | M51B      | X                            | 0                          | 0                 | %100            |
| 56           | M51B      | Z                            | 0                          | 0                 | %100            |
| 57           | M52B      | X                            | .315                       | 0                 | %100            |
| 58           | M52B      | Z                            | .546                       | 0                 | %100            |
| 59           | M58A      | X                            | .315                       | 0                 | %100            |
| 60           | M58A      | Z                            | .546                       | 0                 | %100            |
| 61           | M59A      | X                            | .315                       | 0                 | %100            |
| 62           | M59A      | Z                            | .546                       | 0                 | %100            |
| 63           | M82       | X                            | .315                       | 0                 | %100            |
| 64           | M82       | Z                            | .546                       | 0                 | %100            |
| 65           | M83A      | X                            | 0                          | 0                 | %100            |
| 66           | M83A      | Z                            | 0                          | 0                 | %100            |
| 67           | M1        | X                            | .326                       | 0                 | %100            |
| 68           | M1        | Z                            | .565                       | 0                 | %100            |
| 69           | M82A      | X                            | 0                          | 0                 | %100            |
| 70           | M82A      | Z                            | 0                          | 0                 | %100            |
| 71           | M91B      | X                            | .326                       | 0                 | %100            |
| 72           | M91B      | Z                            | .565                       | 0                 | %100            |
| 73           | M76       | X                            | .189                       | 0                 | %100            |
| 74           | M76       | Z                            | .328                       | 0                 | %100            |
| 75           | M77       | X                            | 0                          | 0                 | %100            |
| 76           | M77       | Z                            | 0                          | 0                 | %100            |
| 77           | M84       | X                            | .189                       | 0                 | %100            |
| 78           | M84       | Z                            | .328                       | 0                 | %100            |
| 79           | M85       | X                            | .579                       | 0                 | %100            |
| 80           | M85       | Z                            | 1.002                      | 0                 | %100            |
| 81           | M63       | X                            | .757                       | 0                 | %100            |
| 82           | M63       | Z                            | 1.312                      | 0                 | %100            |
| 83           | M64       | X                            | .579                       | 0                 | %100            |
| 84           | M64       | Z                            | 1.002                      | 0                 | %100            |
| 85           | M68       | X                            | .757                       | 0                 | %100            |
| 86           | M68       | Z                            | 1.312                      | 0                 | %100            |
| 87           | M69       | X                            | .579                       | 0                 | %100            |
| 88           | M69       | Z                            | 1.002                      | 0                 | %100            |
| 89           | M87       | X                            | .189                       | 0                 | %100            |
| 90           | M87       | Z                            | .328                       | 0                 | %100            |
| 91           | M88A      | X                            | .579                       | 0                 | %100            |
| 92           | M88A      | Z                            | 1.002                      | 0                 | %100            |
| 93           | M92A      | X                            | .189                       | 0                 | %100            |
| 94           | M92A      | Z                            | .328                       | 0                 | %100            |
| 95           | M93       | X                            | 0                          | 0                 | %100            |
| 96           | M93       | Z                            | 0                          | 0                 | %100            |
| 97           | M46       | X                            | .568                       | 0                 | %100            |
| 98           | M46       | Z                            | .984                       | 0                 | %100            |
| 99           | M80       | X                            | 0                          | 0                 | %100            |
| 100          | M80       | Z                            | 0                          | 0                 | %100            |
| 101          | M91       | X                            | .609                       | 0                 | %100            |
| 102          | M91       | Z                            | 1.056                      | 0                 | %100            |
| 103          | M55       | X                            | 0                          | 0                 | %100            |
| 104          | M55       | Z                            | 0                          | 0                 | %100            |
| 105          | M66       | X                            | .609                       | 0                 | %100            |
| 106          | M66       | Z                            | 1.056                      | 0                 | %100            |
| 107          | M71       | X                            | .609                       | 0                 | %100            |
| 108          | M71       | Z                            | 1.056                      | 0                 | %100            |



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 Job Number :  
 Model Name :

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**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[f.. | End Location[ft.. |
|-----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 109 | M79A         | X         | .568                         | .568                       | 0                  | %100              |
| 110 | M79A         | Z         | .984                         | .984                       | 0                  | %100              |
| 111 | M90          | X         | .609                         | .609                       | 0                  | %100              |
| 112 | M90          | Z         | 1.056                        | 1.056                      | 0                  | %100              |
| 113 | M95          | X         | 0                            | 0                          | 0                  | %100              |
| 114 | M95          | Z         | 0                            | 0                          | 0                  | %100              |
| 115 | OVP1         | X         | .245                         | .245                       | 0                  | %100              |
| 116 | OVP1         | Z         | .425                         | .425                       | 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[f.. | End Location[ft.. |
|----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 1  | M121         | X         | 0                            | 0                          | 0                  | %100              |
| 2  | M121         | Z         | .166                         | .166                       | 0                  | %100              |
| 3  | M122         | X         | 0                            | 0                          | 0                  | %100              |
| 4  | M122         | Z         | .664                         | .664                       | 0                  | %100              |
| 5  | M123         | X         | 0                            | 0                          | 0                  | %100              |
| 6  | M123         | Z         | .166                         | .166                       | 0                  | %100              |
| 7  | M100         | X         | 0                            | 0                          | 0                  | %100              |
| 8  | M100         | Z         | .6                           | .6                         | 0                  | %100              |
| 9  | M105         | X         | 0                            | 0                          | 0                  | %100              |
| 10 | M105         | Z         | .15                          | .15                        | 0                  | %100              |
| 11 | M106         | X         | 0                            | 0                          | 0                  | %100              |
| 12 | M106         | Z         | .15                          | .15                        | 0                  | %100              |
| 13 | M4           | X         | 0                            | 0                          | 0                  | %100              |
| 14 | M4           | Z         | 0                            | 0                          | 0                  | %100              |
| 15 | M52A         | X         | 0                            | 0                          | 0                  | %100              |
| 16 | M52A         | Z         | .673                         | .673                       | 0                  | %100              |
| 17 | M76A         | X         | 0                            | 0                          | 0                  | %100              |
| 18 | M76A         | Z         | .673                         | .673                       | 0                  | %100              |
| 19 | M10          | X         | 0                            | 0                          | 0                  | %100              |
| 20 | M10          | Z         | .759                         | .759                       | 0                  | %100              |
| 21 | M43          | X         | 0                            | 0                          | 0                  | %100              |
| 22 | M43          | Z         | .759                         | .759                       | 0                  | %100              |
| 23 | M53          | X         | 0                            | 0                          | 0                  | %100              |
| 24 | M53          | Z         | .19                          | .19                        | 0                  | %100              |
| 25 | M54          | X         | 0                            | 0                          | 0                  | %100              |
| 26 | M54          | Z         | .19                          | .19                        | 0                  | %100              |
| 27 | M77A         | X         | 0                            | 0                          | 0                  | %100              |
| 28 | M77A         | Z         | .19                          | .19                        | 0                  | %100              |
| 29 | M78          | X         | 0                            | 0                          | 0                  | %100              |
| 30 | M78          | Z         | .19                          | .19                        | 0                  | %100              |
| 31 | MP3A         | X         | 0                            | 0                          | 0                  | %100              |
| 32 | MP3A         | Z         | .6                           | .6                         | 0                  | %100              |
| 33 | MP4A         | X         | 0                            | 0                          | 0                  | %100              |
| 34 | MP4A         | Z         | .6                           | .6                         | 0                  | %100              |
| 35 | MP2A         | X         | 0                            | 0                          | 0                  | %100              |
| 36 | MP2A         | Z         | .6                           | .6                         | 0                  | %100              |
| 37 | MP1A         | X         | 0                            | 0                          | 0                  | %100              |
| 38 | MP1A         | Z         | .6                           | .6                         | 0                  | %100              |
| 39 | MP3C         | X         | 0                            | 0                          | 0                  | %100              |
| 40 | MP3C         | Z         | .6                           | .6                         | 0                  | %100              |
| 41 | MP4C         | X         | 0                            | 0                          | 0                  | %100              |
| 42 | MP4C         | Z         | .6                           | .6                         | 0                  | %100              |
| 43 | MP2C         | X         | 0                            | 0                          | 0                  | %100              |
| 44 | MP2C         | Z         | .6                           | .6                         | 0                  | %100              |
| 45 | MP1C         | 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           | MP1C      | Z                            | .6                         | 0                  | %100             |
| 47           | MP3B      | X                            | 0                          | 0                  | %100             |
| 48           | MP3B      | Z                            | .6                         | 0                  | %100             |
| 49           | MP4B      | X                            | 0                          | 0                  | %100             |
| 50           | MP4B      | Z                            | .6                         | 0                  | %100             |
| 51           | MP2B      | X                            | 0                          | 0                  | %100             |
| 52           | MP2B      | Z                            | .6                         | 0                  | %100             |
| 53           | MP1B      | X                            | 0                          | 0                  | %100             |
| 54           | MP1B      | Z                            | .6                         | 0                  | %100             |
| 55           | M51B      | X                            | 0                          | 0                  | %100             |
| 56           | M51B      | Z                            | .21                        | 0                  | %100             |
| 57           | M52B      | X                            | 0                          | 0                  | %100             |
| 58           | M52B      | Z                            | .21                        | 0                  | %100             |
| 59           | M58A      | X                            | 0                          | 0                  | %100             |
| 60           | M58A      | Z                            | .21                        | 0                  | %100             |
| 61           | M59A      | X                            | 0                          | 0                  | %100             |
| 62           | M59A      | Z                            | .841                       | 0                  | %100             |
| 63           | M82       | X                            | 0                          | 0                  | %100             |
| 64           | M82       | Z                            | .841                       | 0                  | %100             |
| 65           | M83A      | X                            | 0                          | 0                  | %100             |
| 66           | M83A      | Z                            | .21                        | 0                  | %100             |
| 67           | M1        | X                            | 0                          | 0                  | %100             |
| 68           | M1        | Z                            | .87                        | 0                  | %100             |
| 69           | M82A      | X                            | 0                          | 0                  | %100             |
| 70           | M82A      | Z                            | .217                       | 0                  | %100             |
| 71           | M91B      | X                            | 0                          | 0                  | %100             |
| 72           | M91B      | Z                            | .217                       | 0                  | %100             |
| 73           | M76       | X                            | 0                          | 0                  | %100             |
| 74           | M76       | Z                            | 0                          | 0                  | %100             |
| 75           | M77       | X                            | 0                          | 0                  | %100             |
| 76           | M77       | Z                            | .386                       | 0                  | %100             |
| 77           | M84       | X                            | 0                          | 0                  | %100             |
| 78           | M84       | Z                            | 0                          | 0                  | %100             |
| 79           | M85       | X                            | 0                          | 0                  | %100             |
| 80           | M85       | Z                            | .386                       | 0                  | %100             |
| 81           | M63       | X                            | 0                          | 0                  | %100             |
| 82           | M63       | Z                            | 1.136                      | 0                  | %100             |
| 83           | M64       | X                            | 0                          | 0                  | %100             |
| 84           | M64       | Z                            | .386                       | 0                  | %100             |
| 85           | M68       | X                            | 0                          | 0                  | %100             |
| 86           | M68       | Z                            | 1.136                      | 0                  | %100             |
| 87           | M69       | X                            | 0                          | 0                  | %100             |
| 88           | M69       | Z                            | 1.543                      | 0                  | %100             |
| 89           | M87       | X                            | 0                          | 0                  | %100             |
| 90           | M87       | Z                            | 1.136                      | 0                  | %100             |
| 91           | M88A      | X                            | 0                          | 0                  | %100             |
| 92           | M88A      | Z                            | 1.543                      | 0                  | %100             |
| 93           | M92A      | X                            | 0                          | 0                  | %100             |
| 94           | M92A      | Z                            | 1.136                      | 0                  | %100             |
| 95           | M93       | X                            | 0                          | 0                  | %100             |
| 96           | M93       | Z                            | .386                       | 0                  | %100             |
| 97           | M46       | X                            | 0                          | 0                  | %100             |
| 98           | M46       | Z                            | 1.515                      | 0                  | %100             |
| 99           | M80       | X                            | 0                          | 0                  | %100             |
| 100          | M80       | Z                            | .406                       | 0                  | %100             |
| 101          | M91       | X                            | 0                          | 0                  | %100             |
| 102          | M91       | Z                            | .406                       | 0                  | %100             |



Company :  
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 Job Number :  
 Model Name :

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**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[f.. | End Location[ft.. |
|-----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 103 | M55          | X         | 0                            | 0                          | 0                  | %100              |
| 104 | M55          | Z         | .379                         | .379                       | 0                  | %100              |
| 105 | M66          | X         | 0                            | 0                          | 0                  | %100              |
| 106 | M66          | Z         | .406                         | .406                       | 0                  | %100              |
| 107 | M71          | X         | 0                            | 0                          | 0                  | %100              |
| 108 | M71          | Z         | 1.625                        | 1.625                      | 0                  | %100              |
| 109 | M79A         | X         | 0                            | 0                          | 0                  | %100              |
| 110 | M79A         | Z         | .379                         | .379                       | 0                  | %100              |
| 111 | M90          | X         | 0                            | 0                          | 0                  | %100              |
| 112 | M90          | Z         | 1.625                        | 1.625                      | 0                  | %100              |
| 113 | M95          | X         | 0                            | 0                          | 0                  | %100              |
| 114 | M95          | Z         | .406                         | .406                       | 0                  | %100              |
| 115 | OVP1         | X         | 0                            | 0                          | 0                  | %100              |
| 116 | OVP1         | Z         | .49                          | .49                        | 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[f.. | End Location[ft.. |
|----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 1  | M121         | X         | -.249                        | -.249                      | 0                  | %100              |
| 2  | M121         | Z         | .431                         | .431                       | 0                  | %100              |
| 3  | M122         | X         | -.249                        | -.249                      | 0                  | %100              |
| 4  | M122         | Z         | .431                         | .431                       | 0                  | %100              |
| 5  | M123         | X         | 0                            | 0                          | 0                  | %100              |
| 6  | M123         | Z         | 0                            | 0                          | 0                  | %100              |
| 7  | M100         | X         | -.225                        | -.225                      | 0                  | %100              |
| 8  | M100         | Z         | .389                         | .389                       | 0                  | %100              |
| 9  | M105         | X         | -.225                        | -.225                      | 0                  | %100              |
| 10 | M105         | Z         | .389                         | .389                       | 0                  | %100              |
| 11 | M106         | X         | 0                            | 0                          | 0                  | %100              |
| 12 | M106         | Z         | 0                            | 0                          | 0                  | %100              |
| 13 | M4           | X         | -.112                        | -.112                      | 0                  | %100              |
| 14 | M4           | Z         | .194                         | .194                       | 0                  | %100              |
| 15 | M52A         | X         | -.112                        | -.112                      | 0                  | %100              |
| 16 | M52A         | Z         | .194                         | .194                       | 0                  | %100              |
| 17 | M76A         | X         | -.449                        | -.449                      | 0                  | %100              |
| 18 | M76A         | Z         | .777                         | .777                       | 0                  | %100              |
| 19 | M10          | X         | -.285                        | -.285                      | 0                  | %100              |
| 20 | M10          | Z         | .493                         | .493                       | 0                  | %100              |
| 21 | M43          | X         | -.285                        | -.285                      | 0                  | %100              |
| 22 | M43          | Z         | .493                         | .493                       | 0                  | %100              |
| 23 | M53          | X         | -.285                        | -.285                      | 0                  | %100              |
| 24 | M53          | Z         | .493                         | .493                       | 0                  | %100              |
| 25 | M54          | X         | -.285                        | -.285                      | 0                  | %100              |
| 26 | M54          | Z         | .493                         | .493                       | 0                  | %100              |
| 27 | M77A         | X         | 0                            | 0                          | 0                  | %100              |
| 28 | M77A         | Z         | 0                            | 0                          | 0                  | %100              |
| 29 | M78          | X         | 0                            | 0                          | 0                  | %100              |
| 30 | M78          | Z         | 0                            | 0                          | 0                  | %100              |
| 31 | MP3A         | X         | -.3                          | -.3                        | 0                  | %100              |
| 32 | MP3A         | Z         | .519                         | .519                       | 0                  | %100              |
| 33 | MP4A         | X         | -.3                          | -.3                        | 0                  | %100              |
| 34 | MP4A         | Z         | .519                         | .519                       | 0                  | %100              |
| 35 | MP2A         | X         | -.3                          | -.3                        | 0                  | %100              |
| 36 | MP2A         | Z         | .519                         | .519                       | 0                  | %100              |
| 37 | MP1A         | X         | -.3                          | -.3                        | 0                  | %100              |
| 38 | MP1A         | Z         | .519                         | .519                       | 0                  | %100              |
| 39 | MP3C         | X         | -.3                          | -.3                        | 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 Locationft.. | End Locationft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|------------------|
| 40           | MP3C      | Z                            | .519                       | .519               | 0 %100           |
| 41           | MP4C      | X                            | -.3                        | -.3                | 0 %100           |
| 42           | MP4C      | Z                            | .519                       | .519               | 0 %100           |
| 43           | MP2C      | X                            | -.3                        | -.3                | 0 %100           |
| 44           | MP2C      | Z                            | .519                       | .519               | 0 %100           |
| 45           | MP1C      | X                            | -.3                        | -.3                | 0 %100           |
| 46           | MP1C      | Z                            | .519                       | .519               | 0 %100           |
| 47           | MP3B      | X                            | -.3                        | -.3                | 0 %100           |
| 48           | MP3B      | Z                            | .519                       | .519               | 0 %100           |
| 49           | MP4B      | X                            | -.3                        | -.3                | 0 %100           |
| 50           | MP4B      | Z                            | .519                       | .519               | 0 %100           |
| 51           | MP2B      | X                            | -.3                        | -.3                | 0 %100           |
| 52           | MP2B      | Z                            | .519                       | .519               | 0 %100           |
| 53           | MP1B      | X                            | -.3                        | -.3                | 0 %100           |
| 54           | MP1B      | Z                            | .519                       | .519               | 0 %100           |
| 55           | M51B      | X                            | -.315                      | -.315              | 0 %100           |
| 56           | M51B      | Z                            | .546                       | .546               | 0 %100           |
| 57           | M52B      | X                            | 0                          | 0                  | 0 %100           |
| 58           | M52B      | Z                            | 0                          | 0                  | 0 %100           |
| 59           | M58A      | X                            | 0                          | 0                  | 0 %100           |
| 60           | M58A      | Z                            | 0                          | 0                  | 0 %100           |
| 61           | M59A      | X                            | -.315                      | -.315              | 0 %100           |
| 62           | M59A      | Z                            | .546                       | .546               | 0 %100           |
| 63           | M82       | X                            | -.315                      | -.315              | 0 %100           |
| 64           | M82       | Z                            | .546                       | .546               | 0 %100           |
| 65           | M83A      | X                            | -.315                      | -.315              | 0 %100           |
| 66           | M83A      | Z                            | .546                       | .546               | 0 %100           |
| 67           | M1        | X                            | -.326                      | -.326              | 0 %100           |
| 68           | M1        | Z                            | .565                       | .565               | 0 %100           |
| 69           | M82A      | X                            | -.326                      | -.326              | 0 %100           |
| 70           | M82A      | Z                            | .565                       | .565               | 0 %100           |
| 71           | M91B      | X                            | 0                          | 0                  | 0 %100           |
| 72           | M91B      | Z                            | 0                          | 0                  | 0 %100           |
| 73           | M76       | X                            | -.189                      | -.189              | 0 %100           |
| 74           | M76       | Z                            | .328                       | .328               | 0 %100           |
| 75           | M77       | X                            | -.579                      | -.579              | 0 %100           |
| 76           | M77       | Z                            | 1.002                      | 1.002              | 0 %100           |
| 77           | M84       | X                            | -.189                      | -.189              | 0 %100           |
| 78           | M84       | Z                            | .328                       | .328               | 0 %100           |
| 79           | M85       | X                            | 0                          | 0                  | 0 %100           |
| 80           | M85       | Z                            | 0                          | 0                  | 0 %100           |
| 81           | M63       | X                            | -.189                      | -.189              | 0 %100           |
| 82           | M63       | Z                            | .328                       | .328               | 0 %100           |
| 83           | M64       | X                            | 0                          | 0                  | 0 %100           |
| 84           | M64       | Z                            | 0                          | 0                  | 0 %100           |
| 85           | M68       | X                            | -.189                      | -.189              | 0 %100           |
| 86           | M68       | Z                            | .328                       | .328               | 0 %100           |
| 87           | M69       | X                            | -.579                      | -.579              | 0 %100           |
| 88           | M69       | Z                            | 1.002                      | 1.002              | 0 %100           |
| 89           | M87       | X                            | -.757                      | -.757              | 0 %100           |
| 90           | M87       | Z                            | 1.312                      | 1.312              | 0 %100           |
| 91           | M88A      | X                            | -.579                      | -.579              | 0 %100           |
| 92           | M88A      | Z                            | 1.002                      | 1.002              | 0 %100           |
| 93           | M92A      | X                            | -.757                      | -.757              | 0 %100           |
| 94           | M92A      | Z                            | 1.312                      | 1.312              | 0 %100           |
| 95           | M93       | X                            | -.579                      | -.579              | 0 %100           |
| 96           | M93       | Z                            | 1.002                      | 1.002              | 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[f...] | End Location[ft...] |
|-----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 97  | M46          | X         | -.568                        | -.568                      | 0                    | %100                |
| 98  | M46          | Z         | .984                         | .984                       | 0                    | %100                |
| 99  | M80          | X         | -.609                        | -.609                      | 0                    | %100                |
| 100 | M80          | Z         | 1.056                        | 1.056                      | 0                    | %100                |
| 101 | M91          | X         | 0                            | 0                          | 0                    | %100                |
| 102 | M91          | Z         | 0                            | 0                          | 0                    | %100                |
| 103 | M55          | X         | -.568                        | -.568                      | 0                    | %100                |
| 104 | M55          | Z         | .984                         | .984                       | 0                    | %100                |
| 105 | M66          | X         | 0                            | 0                          | 0                    | %100                |
| 106 | M66          | Z         | 0                            | 0                          | 0                    | %100                |
| 107 | M71          | X         | -.609                        | -.609                      | 0                    | %100                |
| 108 | M71          | Z         | 1.056                        | 1.056                      | 0                    | %100                |
| 109 | M79A         | X         | 0                            | 0                          | 0                    | %100                |
| 110 | M79A         | Z         | 0                            | 0                          | 0                    | %100                |
| 111 | M90          | X         | -.609                        | -.609                      | 0                    | %100                |
| 112 | M90          | Z         | 1.056                        | 1.056                      | 0                    | %100                |
| 113 | M95          | X         | -.609                        | -.609                      | 0                    | %100                |
| 114 | M95          | Z         | 1.056                        | 1.056                      | 0                    | %100                |
| 115 | OVP1         | X         | -.245                        | -.245                      | 0                    | %100                |
| 116 | OVP1         | Z         | .425                         | .425                       | 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[f...] | End Location[ft...] |
|----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 1  | M121         | X         | -.575                        | -.575                      | 0                    | %100                |
| 2  | M121         | Z         | .332                         | .332                       | 0                    | %100                |
| 3  | M122         | X         | -.144                        | -.144                      | 0                    | %100                |
| 4  | M122         | Z         | .083                         | .083                       | 0                    | %100                |
| 5  | M123         | X         | -.144                        | -.144                      | 0                    | %100                |
| 6  | M123         | Z         | .083                         | .083                       | 0                    | %100                |
| 7  | M100         | X         | -.13                         | -.13                       | 0                    | %100                |
| 8  | M100         | Z         | .075                         | .075                       | 0                    | %100                |
| 9  | M105         | X         | -.519                        | -.519                      | 0                    | %100                |
| 10 | M105         | Z         | .3                           | .3                         | 0                    | %100                |
| 11 | M106         | X         | -.13                         | -.13                       | 0                    | %100                |
| 12 | M106         | Z         | .075                         | .075                       | 0                    | %100                |
| 13 | M4           | X         | -.583                        | -.583                      | 0                    | %100                |
| 14 | M4           | Z         | .337                         | .337                       | 0                    | %100                |
| 15 | M52A         | X         | 0                            | 0                          | 0                    | %100                |
| 16 | M52A         | Z         | 0                            | 0                          | 0                    | %100                |
| 17 | M76A         | X         | -.583                        | -.583                      | 0                    | %100                |
| 18 | M76A         | Z         | .337                         | .337                       | 0                    | %100                |
| 19 | M10          | X         | -.164                        | -.164                      | 0                    | %100                |
| 20 | M10          | Z         | .095                         | .095                       | 0                    | %100                |
| 21 | M43          | X         | -.164                        | -.164                      | 0                    | %100                |
| 22 | M43          | Z         | .095                         | .095                       | 0                    | %100                |
| 23 | M53          | X         | -.658                        | -.658                      | 0                    | %100                |
| 24 | M53          | Z         | .38                          | .38                        | 0                    | %100                |
| 25 | M54          | X         | -.658                        | -.658                      | 0                    | %100                |
| 26 | M54          | Z         | .38                          | .38                        | 0                    | %100                |
| 27 | M77A         | X         | -.164                        | -.164                      | 0                    | %100                |
| 28 | M77A         | Z         | .095                         | .095                       | 0                    | %100                |
| 29 | M78          | X         | -.164                        | -.164                      | 0                    | %100                |
| 30 | M78          | Z         | .095                         | .095                       | 0                    | %100                |
| 31 | MP3A         | X         | -.519                        | -.519                      | 0                    | %100                |
| 32 | MP3A         | Z         | .3                           | .3                         | 0                    | %100                |
| 33 | MP4A         | X         | -.519                        | -.519                      | 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 Locationft. | End Locationft. |
|--------------|-----------|------------------------------|----------------------------|-------------------|-----------------|
| 34           | MP4A      | Z                            | .3                         | 0                 | %100            |
| 35           | MP2A      | X                            | -.519                      | 0                 | %100            |
| 36           | MP2A      | Z                            | .3                         | 0                 | %100            |
| 37           | MP1A      | X                            | -.519                      | 0                 | %100            |
| 38           | MP1A      | Z                            | .3                         | 0                 | %100            |
| 39           | MP3C      | X                            | -.519                      | 0                 | %100            |
| 40           | MP3C      | Z                            | .3                         | 0                 | %100            |
| 41           | MP4C      | X                            | -.519                      | 0                 | %100            |
| 42           | MP4C      | Z                            | .3                         | 0                 | %100            |
| 43           | MP2C      | X                            | -.519                      | 0                 | %100            |
| 44           | MP2C      | Z                            | .3                         | 0                 | %100            |
| 45           | MP1C      | X                            | -.519                      | 0                 | %100            |
| 46           | MP1C      | Z                            | .3                         | 0                 | %100            |
| 47           | MP3B      | X                            | -.519                      | 0                 | %100            |
| 48           | MP3B      | Z                            | .3                         | 0                 | %100            |
| 49           | MP4B      | X                            | -.519                      | 0                 | %100            |
| 50           | MP4B      | Z                            | .3                         | 0                 | %100            |
| 51           | MP2B      | X                            | -.519                      | 0                 | %100            |
| 52           | MP2B      | Z                            | .3                         | 0                 | %100            |
| 53           | MP1B      | X                            | -.519                      | 0                 | %100            |
| 54           | MP1B      | Z                            | .3                         | 0                 | %100            |
| 55           | M51B      | X                            | -.728                      | 0                 | %100            |
| 56           | M51B      | Z                            | .421                       | 0                 | %100            |
| 57           | M52B      | X                            | -.182                      | 0                 | %100            |
| 58           | M52B      | Z                            | .105                       | 0                 | %100            |
| 59           | M58A      | X                            | -.182                      | 0                 | %100            |
| 60           | M58A      | Z                            | .105                       | 0                 | %100            |
| 61           | M59A      | X                            | -.182                      | 0                 | %100            |
| 62           | M59A      | Z                            | .105                       | 0                 | %100            |
| 63           | M82       | X                            | -.182                      | 0                 | %100            |
| 64           | M82       | Z                            | .105                       | 0                 | %100            |
| 65           | M83A      | X                            | -.728                      | 0                 | %100            |
| 66           | M83A      | Z                            | .421                       | 0                 | %100            |
| 67           | M1        | X                            | -.188                      | 0                 | %100            |
| 68           | M1        | Z                            | .109                       | 0                 | %100            |
| 69           | M82A      | X                            | -.753                      | 0                 | %100            |
| 70           | M82A      | Z                            | .435                       | 0                 | %100            |
| 71           | M91B      | X                            | -.188                      | 0                 | %100            |
| 72           | M91B      | Z                            | .109                       | 0                 | %100            |
| 73           | M76       | X                            | -.984                      | 0                 | %100            |
| 74           | M76       | Z                            | .568                       | 0                 | %100            |
| 75           | M77       | X                            | -1.336                     | 0                 | %100            |
| 76           | M77       | Z                            | .771                       | 0                 | %100            |
| 77           | M84       | X                            | -.984                      | 0                 | %100            |
| 78           | M84       | Z                            | .568                       | 0                 | %100            |
| 79           | M85       | X                            | -.334                      | 0                 | %100            |
| 80           | M85       | Z                            | .193                       | 0                 | %100            |
| 81           | M63       | X                            | 0                          | 0                 | %100            |
| 82           | M63       | Z                            | 0                          | 0                 | %100            |
| 83           | M64       | X                            | -.334                      | 0                 | %100            |
| 84           | M64       | Z                            | .193                       | 0                 | %100            |
| 85           | M68       | X                            | 0                          | 0                 | %100            |
| 86           | M68       | Z                            | 0                          | 0                 | %100            |
| 87           | M69       | X                            | -.334                      | 0                 | %100            |
| 88           | M69       | Z                            | .193                       | 0                 | %100            |
| 89           | M87       | X                            | -.984                      | 0                 | %100            |
| 90           | M87       | Z                            | .568                       | 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[f...] | End Location[ft...] |
|-----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 91  | M88A         | X         | -.334                        | -.334                      | 0                    | %100                |
| 92  | M88A         | Z         | .193                         | .193                       | 0                    | %100                |
| 93  | M92A         | X         | -.984                        | -.984                      | 0                    | %100                |
| 94  | M92A         | Z         | .568                         | .568                       | 0                    | %100                |
| 95  | M93          | X         | -1.336                       | -1.336                     | 0                    | %100                |
| 96  | M93          | Z         | .771                         | .771                       | 0                    | %100                |
| 97  | M46          | X         | -.328                        | -.328                      | 0                    | %100                |
| 98  | M46          | Z         | .189                         | .189                       | 0                    | %100                |
| 99  | M80          | X         | -1.407                       | -1.407                     | 0                    | %100                |
| 100 | M80          | Z         | .813                         | .813                       | 0                    | %100                |
| 101 | M91          | X         | -.352                        | -.352                      | 0                    | %100                |
| 102 | M91          | Z         | .203                         | .203                       | 0                    | %100                |
| 103 | M55          | X         | -1.312                       | -1.312                     | 0                    | %100                |
| 104 | M55          | Z         | .757                         | .757                       | 0                    | %100                |
| 105 | M66          | X         | -.352                        | -.352                      | 0                    | %100                |
| 106 | M66          | Z         | .203                         | .203                       | 0                    | %100                |
| 107 | M71          | X         | -.352                        | -.352                      | 0                    | %100                |
| 108 | M71          | Z         | .203                         | .203                       | 0                    | %100                |
| 109 | M79A         | X         | -.328                        | -.328                      | 0                    | %100                |
| 110 | M79A         | Z         | .189                         | .189                       | 0                    | %100                |
| 111 | M90          | X         | -.352                        | -.352                      | 0                    | %100                |
| 112 | M90          | Z         | .203                         | .203                       | 0                    | %100                |
| 113 | M95          | X         | -1.407                       | -1.407                     | 0                    | %100                |
| 114 | M95          | Z         | .813                         | .813                       | 0                    | %100                |
| 115 | OVP1         | X         | -.425                        | -.425                      | 0                    | %100                |
| 116 | OVP1         | Z         | .245                         | .245                       | 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[f...] | End Location[ft...] |
|----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 1  | M121         | X         | -.498                        | -.498                      | 0                    | %100                |
| 2  | M121         | Z         | 0                            | 0                          | 0                    | %100                |
| 3  | M122         | X         | 0                            | 0                          | 0                    | %100                |
| 4  | M122         | Z         | 0                            | 0                          | 0                    | %100                |
| 5  | M123         | X         | -.498                        | -.498                      | 0                    | %100                |
| 6  | M123         | Z         | 0                            | 0                          | 0                    | %100                |
| 7  | M100         | X         | 0                            | 0                          | 0                    | %100                |
| 8  | M100         | Z         | 0                            | 0                          | 0                    | %100                |
| 9  | M105         | X         | -.45                         | -.45                       | 0                    | %100                |
| 10 | M105         | Z         | 0                            | 0                          | 0                    | %100                |
| 11 | M106         | X         | -.45                         | -.45                       | 0                    | %100                |
| 12 | M106         | Z         | 0                            | 0                          | 0                    | %100                |
| 13 | M4           | X         | -.898                        | -.898                      | 0                    | %100                |
| 14 | M4           | Z         | 0                            | 0                          | 0                    | %100                |
| 15 | M52A         | X         | -.224                        | -.224                      | 0                    | %100                |
| 16 | M52A         | Z         | 0                            | 0                          | 0                    | %100                |
| 17 | M76A         | X         | -.224                        | -.224                      | 0                    | %100                |
| 18 | M76A         | Z         | 0                            | 0                          | 0                    | %100                |
| 19 | M10          | X         | 0                            | 0                          | 0                    | %100                |
| 20 | M10          | Z         | 0                            | 0                          | 0                    | %100                |
| 21 | M43          | X         | 0                            | 0                          | 0                    | %100                |
| 22 | M43          | Z         | 0                            | 0                          | 0                    | %100                |
| 23 | M53          | X         | -.57                         | -.57                       | 0                    | %100                |
| 24 | M53          | Z         | 0                            | 0                          | 0                    | %100                |
| 25 | M54          | X         | -.57                         | -.57                       | 0                    | %100                |
| 26 | M54          | Z         | 0                            | 0                          | 0                    | %100                |
| 27 | M77A         | X         | -.57                         | -.57                       | 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 Locationft.. | End Locationft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|------------------|
| 28           | M77A      | Z                            | 0                          | 0                  | %100             |
| 29           | M78       | X                            | -.57                       | 0                  | %100             |
| 30           | M78       | Z                            | 0                          | 0                  | %100             |
| 31           | MP3A      | X                            | -.6                        | 0                  | %100             |
| 32           | MP3A      | Z                            | 0                          | 0                  | %100             |
| 33           | MP4A      | X                            | -.6                        | 0                  | %100             |
| 34           | MP4A      | Z                            | 0                          | 0                  | %100             |
| 35           | MP2A      | X                            | -.6                        | 0                  | %100             |
| 36           | MP2A      | Z                            | 0                          | 0                  | %100             |
| 37           | MP1A      | X                            | -.6                        | 0                  | %100             |
| 38           | MP1A      | Z                            | 0                          | 0                  | %100             |
| 39           | MP3C      | X                            | -.6                        | 0                  | %100             |
| 40           | MP3C      | Z                            | 0                          | 0                  | %100             |
| 41           | MP4C      | X                            | -.6                        | 0                  | %100             |
| 42           | MP4C      | Z                            | 0                          | 0                  | %100             |
| 43           | MP2C      | X                            | -.6                        | 0                  | %100             |
| 44           | MP2C      | Z                            | 0                          | 0                  | %100             |
| 45           | MP1C      | X                            | -.6                        | 0                  | %100             |
| 46           | MP1C      | Z                            | 0                          | 0                  | %100             |
| 47           | MP3B      | X                            | -.6                        | 0                  | %100             |
| 48           | MP3B      | Z                            | 0                          | 0                  | %100             |
| 49           | MP4B      | X                            | -.6                        | 0                  | %100             |
| 50           | MP4B      | Z                            | 0                          | 0                  | %100             |
| 51           | MP2B      | X                            | -.6                        | 0                  | %100             |
| 52           | MP2B      | Z                            | 0                          | 0                  | %100             |
| 53           | MP1B      | X                            | -.6                        | 0                  | %100             |
| 54           | MP1B      | Z                            | 0                          | 0                  | %100             |
| 55           | M51B      | X                            | -.631                      | 0                  | %100             |
| 56           | M51B      | Z                            | 0                          | 0                  | %100             |
| 57           | M52B      | X                            | -.631                      | 0                  | %100             |
| 58           | M52B      | Z                            | 0                          | 0                  | %100             |
| 59           | M58A      | X                            | -.631                      | 0                  | %100             |
| 60           | M58A      | Z                            | 0                          | 0                  | %100             |
| 61           | M59A      | X                            | 0                          | 0                  | %100             |
| 62           | M59A      | Z                            | 0                          | 0                  | %100             |
| 63           | M82       | X                            | 0                          | 0                  | %100             |
| 64           | M82       | Z                            | 0                          | 0                  | %100             |
| 65           | M83A      | X                            | -.631                      | 0                  | %100             |
| 66           | M83A      | Z                            | 0                          | 0                  | %100             |
| 67           | M1        | X                            | 0                          | 0                  | %100             |
| 68           | M1        | Z                            | 0                          | 0                  | %100             |
| 69           | M82A      | X                            | -.652                      | 0                  | %100             |
| 70           | M82A      | Z                            | 0                          | 0                  | %100             |
| 71           | M91B      | X                            | -.652                      | 0                  | %100             |
| 72           | M91B      | Z                            | 0                          | 0                  | %100             |
| 73           | M76       | X                            | -1.515                     | 0                  | %100             |
| 74           | M76       | Z                            | 0                          | 0                  | %100             |
| 75           | M77       | X                            | -1.157                     | 0                  | %100             |
| 76           | M77       | Z                            | 0                          | 0                  | %100             |
| 77           | M84       | X                            | -1.515                     | 0                  | %100             |
| 78           | M84       | Z                            | 0                          | 0                  | %100             |
| 79           | M85       | X                            | -1.157                     | 0                  | %100             |
| 80           | M85       | Z                            | 0                          | 0                  | %100             |
| 81           | M63       | X                            | -.379                      | 0                  | %100             |
| 82           | M63       | Z                            | 0                          | 0                  | %100             |
| 83           | M64       | X                            | -1.157                     | 0                  | %100             |
| 84           | M64       | Z                            | 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[f.. | End Location[ft.. |
|-----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 85  | M68          | X         | -0.379                       | -0.379                     | 0                  | %100              |
| 86  | M68          | Z         | 0                            | 0                          | 0                  | %100              |
| 87  | M69          | X         | 0                            | 0                          | 0                  | %100              |
| 88  | M69          | Z         | 0                            | 0                          | 0                  | %100              |
| 89  | M87          | X         | -0.379                       | -0.379                     | 0                  | %100              |
| 90  | M87          | Z         | 0                            | 0                          | 0                  | %100              |
| 91  | M88A         | X         | 0                            | 0                          | 0                  | %100              |
| 92  | M88A         | Z         | 0                            | 0                          | 0                  | %100              |
| 93  | M92A         | X         | -0.379                       | -0.379                     | 0                  | %100              |
| 94  | M92A         | Z         | 0                            | 0                          | 0                  | %100              |
| 95  | M93          | X         | -1.157                       | -1.157                     | 0                  | %100              |
| 96  | M93          | Z         | 0                            | 0                          | 0                  | %100              |
| 97  | M46          | X         | 0                            | 0                          | 0                  | %100              |
| 98  | M46          | Z         | 0                            | 0                          | 0                  | %100              |
| 99  | M80          | X         | -1.219                       | -1.219                     | 0                  | %100              |
| 100 | M80          | Z         | 0                            | 0                          | 0                  | %100              |
| 101 | M91          | X         | -1.219                       | -1.219                     | 0                  | %100              |
| 102 | M91          | Z         | 0                            | 0                          | 0                  | %100              |
| 103 | M55          | X         | -1.136                       | -1.136                     | 0                  | %100              |
| 104 | M55          | Z         | 0                            | 0                          | 0                  | %100              |
| 105 | M66          | X         | -1.219                       | -1.219                     | 0                  | %100              |
| 106 | M66          | Z         | 0                            | 0                          | 0                  | %100              |
| 107 | M71          | X         | 0                            | 0                          | 0                  | %100              |
| 108 | M71          | Z         | 0                            | 0                          | 0                  | %100              |
| 109 | M79A         | X         | -1.136                       | -1.136                     | 0                  | %100              |
| 110 | M79A         | Z         | 0                            | 0                          | 0                  | %100              |
| 111 | M90          | X         | 0                            | 0                          | 0                  | %100              |
| 112 | M90          | Z         | 0                            | 0                          | 0                  | %100              |
| 113 | M95          | X         | -1.219                       | -1.219                     | 0                  | %100              |
| 114 | M95          | Z         | 0                            | 0                          | 0                  | %100              |
| 115 | OVP1         | X         | -0.49                        | -0.49                      | 0                  | %100              |
| 116 | OVP1         | 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[f.. | End Location[ft.. |
|----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 1  | M121         | X         | -0.144                       | -0.144                     | 0                  | %100              |
| 2  | M121         | Z         | -0.083                       | -0.083                     | 0                  | %100              |
| 3  | M122         | X         | -0.144                       | -0.144                     | 0                  | %100              |
| 4  | M122         | Z         | -0.083                       | -0.083                     | 0                  | %100              |
| 5  | M123         | X         | -0.575                       | -0.575                     | 0                  | %100              |
| 6  | M123         | Z         | -0.332                       | -0.332                     | 0                  | %100              |
| 7  | M100         | X         | -0.13                        | -0.13                      | 0                  | %100              |
| 8  | M100         | Z         | -0.075                       | -0.075                     | 0                  | %100              |
| 9  | M105         | X         | -0.13                        | -0.13                      | 0                  | %100              |
| 10 | M105         | Z         | -0.075                       | -0.075                     | 0                  | %100              |
| 11 | M106         | X         | -0.519                       | -0.519                     | 0                  | %100              |
| 12 | M106         | Z         | -0.3                         | -0.3                       | 0                  | %100              |
| 13 | M4           | X         | -0.583                       | -0.583                     | 0                  | %100              |
| 14 | M4           | Z         | -0.337                       | -0.337                     | 0                  | %100              |
| 15 | M52A         | X         | -0.583                       | -0.583                     | 0                  | %100              |
| 16 | M52A         | Z         | -0.337                       | -0.337                     | 0                  | %100              |
| 17 | M76A         | X         | 0                            | 0                          | 0                  | %100              |
| 18 | M76A         | Z         | 0                            | 0                          | 0                  | %100              |
| 19 | M10          | X         | -0.164                       | -0.164                     | 0                  | %100              |
| 20 | M10          | Z         | -0.095                       | -0.095                     | 0                  | %100              |
| 21 | M43          | X         | -0.164                       | -0.164                     | 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 Locationft.. | End Locationft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|------------------|
| 22           | M43       | Z                            | -0.95                      | 0                  | %100             |
| 23           | M53       | X                            | -.164                      | 0                  | %100             |
| 24           | M53       | Z                            | -0.95                      | 0                  | %100             |
| 25           | M54       | X                            | -.164                      | 0                  | %100             |
| 26           | M54       | Z                            | -0.95                      | 0                  | %100             |
| 27           | M77A      | X                            | -.658                      | 0                  | %100             |
| 28           | M77A      | Z                            | -.38                       | 0                  | %100             |
| 29           | M78       | X                            | -.658                      | 0                  | %100             |
| 30           | M78       | Z                            | -.38                       | 0                  | %100             |
| 31           | MP3A      | X                            | -.519                      | 0                  | %100             |
| 32           | MP3A      | Z                            | -.3                        | 0                  | %100             |
| 33           | MP4A      | X                            | -.519                      | 0                  | %100             |
| 34           | MP4A      | Z                            | -.3                        | 0                  | %100             |
| 35           | MP2A      | X                            | -.519                      | 0                  | %100             |
| 36           | MP2A      | Z                            | -.3                        | 0                  | %100             |
| 37           | MP1A      | X                            | -.519                      | 0                  | %100             |
| 38           | MP1A      | Z                            | -.3                        | 0                  | %100             |
| 39           | MP3C      | X                            | -.519                      | 0                  | %100             |
| 40           | MP3C      | Z                            | -.3                        | 0                  | %100             |
| 41           | MP4C      | X                            | -.519                      | 0                  | %100             |
| 42           | MP4C      | Z                            | -.3                        | 0                  | %100             |
| 43           | MP2C      | X                            | -.519                      | 0                  | %100             |
| 44           | MP2C      | Z                            | -.3                        | 0                  | %100             |
| 45           | MP1C      | X                            | -.519                      | 0                  | %100             |
| 46           | MP1C      | Z                            | -.3                        | 0                  | %100             |
| 47           | MP3B      | X                            | -.519                      | 0                  | %100             |
| 48           | MP3B      | Z                            | -.3                        | 0                  | %100             |
| 49           | MP4B      | X                            | -.519                      | 0                  | %100             |
| 50           | MP4B      | Z                            | -.3                        | 0                  | %100             |
| 51           | MP2B      | X                            | -.519                      | 0                  | %100             |
| 52           | MP2B      | Z                            | -.3                        | 0                  | %100             |
| 53           | MP1B      | X                            | -.519                      | 0                  | %100             |
| 54           | MP1B      | Z                            | -.3                        | 0                  | %100             |
| 55           | M51B      | X                            | -.182                      | 0                  | %100             |
| 56           | M51B      | Z                            | -.105                      | 0                  | %100             |
| 57           | M52B      | X                            | -.728                      | 0                  | %100             |
| 58           | M52B      | Z                            | -.421                      | 0                  | %100             |
| 59           | M58A      | X                            | -.728                      | 0                  | %100             |
| 60           | M58A      | Z                            | -.421                      | 0                  | %100             |
| 61           | M59A      | X                            | -.182                      | 0                  | %100             |
| 62           | M59A      | Z                            | -.105                      | 0                  | %100             |
| 63           | M82       | X                            | -.182                      | 0                  | %100             |
| 64           | M82       | Z                            | -.105                      | 0                  | %100             |
| 65           | M83A      | X                            | -.182                      | 0                  | %100             |
| 66           | M83A      | Z                            | -.105                      | 0                  | %100             |
| 67           | M1        | X                            | -.188                      | 0                  | %100             |
| 68           | M1        | Z                            | -.109                      | 0                  | %100             |
| 69           | M82A      | X                            | -.188                      | 0                  | %100             |
| 70           | M82A      | Z                            | -.109                      | 0                  | %100             |
| 71           | M91B      | X                            | -.753                      | 0                  | %100             |
| 72           | M91B      | Z                            | -.435                      | 0                  | %100             |
| 73           | M76       | X                            | -.984                      | 0                  | %100             |
| 74           | M76       | Z                            | -.568                      | 0                  | %100             |
| 75           | M77       | X                            | -.334                      | 0                  | %100             |
| 76           | M77       | Z                            | -.193                      | 0                  | %100             |
| 77           | M84       | X                            | -.984                      | 0                  | %100             |
| 78           | M84       | Z                            | -.568                      | 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[f.. | End Location[ft.. |
|-----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 79  | M85          | X         | -1.336                       | -1.336                     | 0                  | %100              |
| 80  | M85          | Z         | -771                         | -771                       | 0                  | %100              |
| 81  | M63          | X         | -.984                        | -.984                      | 0                  | %100              |
| 82  | M63          | Z         | -.568                        | -.568                      | 0                  | %100              |
| 83  | M64          | X         | -1.336                       | -1.336                     | 0                  | %100              |
| 84  | M64          | Z         | -771                         | -771                       | 0                  | %100              |
| 85  | M68          | X         | -.984                        | -.984                      | 0                  | %100              |
| 86  | M68          | Z         | -.568                        | -.568                      | 0                  | %100              |
| 87  | M69          | X         | -.334                        | -.334                      | 0                  | %100              |
| 88  | M69          | Z         | -.193                        | -.193                      | 0                  | %100              |
| 89  | M87          | X         | 0                            | 0                          | 0                  | %100              |
| 90  | M87          | Z         | 0                            | 0                          | 0                  | %100              |
| 91  | M88A         | X         | -.334                        | -.334                      | 0                  | %100              |
| 92  | M88A         | Z         | -.193                        | -.193                      | 0                  | %100              |
| 93  | M92A         | X         | 0                            | 0                          | 0                  | %100              |
| 94  | M92A         | Z         | 0                            | 0                          | 0                  | %100              |
| 95  | M93          | X         | -.334                        | -.334                      | 0                  | %100              |
| 96  | M93          | Z         | -.193                        | -.193                      | 0                  | %100              |
| 97  | M46          | X         | -.328                        | -.328                      | 0                  | %100              |
| 98  | M46          | Z         | -.189                        | -.189                      | 0                  | %100              |
| 99  | M80          | X         | -.352                        | -.352                      | 0                  | %100              |
| 100 | M80          | Z         | -.203                        | -.203                      | 0                  | %100              |
| 101 | M91          | X         | -1.407                       | -1.407                     | 0                  | %100              |
| 102 | M91          | Z         | -.813                        | -.813                      | 0                  | %100              |
| 103 | M55          | X         | -.328                        | -.328                      | 0                  | %100              |
| 104 | M55          | Z         | -.189                        | -.189                      | 0                  | %100              |
| 105 | M66          | X         | -1.407                       | -1.407                     | 0                  | %100              |
| 106 | M66          | Z         | -.813                        | -.813                      | 0                  | %100              |
| 107 | M71          | X         | -.352                        | -.352                      | 0                  | %100              |
| 108 | M71          | Z         | -.203                        | -.203                      | 0                  | %100              |
| 109 | M79A         | X         | -1.312                       | -1.312                     | 0                  | %100              |
| 110 | M79A         | Z         | -.757                        | -.757                      | 0                  | %100              |
| 111 | M90          | X         | -.352                        | -.352                      | 0                  | %100              |
| 112 | M90          | Z         | -.203                        | -.203                      | 0                  | %100              |
| 113 | M95          | X         | -.352                        | -.352                      | 0                  | %100              |
| 114 | M95          | Z         | -.203                        | -.203                      | 0                  | %100              |
| 115 | OVP1         | X         | -.425                        | -.425                      | 0                  | %100              |
| 116 | OVP1         | Z         | -.245                        | -.245                      | 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[f.. | End Location[ft.. |
|----|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 1  | M121         | X         | 0                            | 0                          | 0                  | %100              |
| 2  | M121         | Z         | 0                            | 0                          | 0                  | %100              |
| 3  | M122         | X         | -.249                        | -.249                      | 0                  | %100              |
| 4  | M122         | Z         | -.431                        | -.431                      | 0                  | %100              |
| 5  | M123         | X         | -.249                        | -.249                      | 0                  | %100              |
| 6  | M123         | Z         | -.431                        | -.431                      | 0                  | %100              |
| 7  | M100         | X         | -.225                        | -.225                      | 0                  | %100              |
| 8  | M100         | Z         | -.389                        | -.389                      | 0                  | %100              |
| 9  | M105         | X         | 0                            | 0                          | 0                  | %100              |
| 10 | M105         | Z         | 0                            | 0                          | 0                  | %100              |
| 11 | M106         | X         | -.225                        | -.225                      | 0                  | %100              |
| 12 | M106         | Z         | -.389                        | -.389                      | 0                  | %100              |
| 13 | M4           | X         | -.112                        | -.112                      | 0                  | %100              |
| 14 | M4           | Z         | -.194                        | -.194                      | 0                  | %100              |
| 15 | M52A         | X         | -.449                        | -.449                      | 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 Locationft. | End Locationft. |
|--------------|-----------|------------------------------|----------------------------|-------------------|-----------------|
| 16           | M52A      | Z                            | - .777                     | 0                 | %100            |
| 17           | M76A      | X                            | - .112                     | 0                 | %100            |
| 18           | M76A      | Z                            | - .194                     | 0                 | %100            |
| 19           | M10       | X                            | - .285                     | 0                 | %100            |
| 20           | M10       | Z                            | - .493                     | 0                 | %100            |
| 21           | M43       | X                            | - .285                     | 0                 | %100            |
| 22           | M43       | Z                            | - .493                     | 0                 | %100            |
| 23           | M53       | X                            | 0                          | 0                 | %100            |
| 24           | M53       | Z                            | 0                          | 0                 | %100            |
| 25           | M54       | X                            | 0                          | 0                 | %100            |
| 26           | M54       | Z                            | 0                          | 0                 | %100            |
| 27           | M77A      | X                            | - .285                     | 0                 | %100            |
| 28           | M77A      | Z                            | - .493                     | 0                 | %100            |
| 29           | M78       | X                            | - .285                     | 0                 | %100            |
| 30           | M78       | Z                            | - .493                     | 0                 | %100            |
| 31           | MP3A      | X                            | - .3                       | 0                 | %100            |
| 32           | MP3A      | Z                            | - .519                     | 0                 | %100            |
| 33           | MP4A      | X                            | - .3                       | 0                 | %100            |
| 34           | MP4A      | Z                            | - .519                     | 0                 | %100            |
| 35           | MP2A      | X                            | - .3                       | 0                 | %100            |
| 36           | MP2A      | Z                            | - .519                     | 0                 | %100            |
| 37           | MP1A      | X                            | - .3                       | 0                 | %100            |
| 38           | MP1A      | Z                            | - .519                     | 0                 | %100            |
| 39           | MP3C      | X                            | - .3                       | 0                 | %100            |
| 40           | MP3C      | Z                            | - .519                     | 0                 | %100            |
| 41           | MP4C      | X                            | - .3                       | 0                 | %100            |
| 42           | MP4C      | Z                            | - .519                     | 0                 | %100            |
| 43           | MP2C      | X                            | - .3                       | 0                 | %100            |
| 44           | MP2C      | Z                            | - .519                     | 0                 | %100            |
| 45           | MP1C      | X                            | - .3                       | 0                 | %100            |
| 46           | MP1C      | Z                            | - .519                     | 0                 | %100            |
| 47           | MP3B      | X                            | - .3                       | 0                 | %100            |
| 48           | MP3B      | Z                            | - .519                     | 0                 | %100            |
| 49           | MP4B      | X                            | - .3                       | 0                 | %100            |
| 50           | MP4B      | Z                            | - .519                     | 0                 | %100            |
| 51           | MP2B      | X                            | - .3                       | 0                 | %100            |
| 52           | MP2B      | Z                            | - .519                     | 0                 | %100            |
| 53           | MP1B      | X                            | - .3                       | 0                 | %100            |
| 54           | MP1B      | Z                            | - .519                     | 0                 | %100            |
| 55           | M51B      | X                            | 0                          | 0                 | %100            |
| 56           | M51B      | Z                            | 0                          | 0                 | %100            |
| 57           | M52B      | X                            | - .315                     | 0                 | %100            |
| 58           | M52B      | Z                            | - .546                     | 0                 | %100            |
| 59           | M58A      | X                            | - .315                     | 0                 | %100            |
| 60           | M58A      | Z                            | - .546                     | 0                 | %100            |
| 61           | M59A      | X                            | - .315                     | 0                 | %100            |
| 62           | M59A      | Z                            | - .546                     | 0                 | %100            |
| 63           | M82       | X                            | - .315                     | 0                 | %100            |
| 64           | M82       | Z                            | - .546                     | 0                 | %100            |
| 65           | M83A      | X                            | 0                          | 0                 | %100            |
| 66           | M83A      | Z                            | 0                          | 0                 | %100            |
| 67           | M1        | X                            | - .326                     | 0                 | %100            |
| 68           | M1        | Z                            | - .565                     | 0                 | %100            |
| 69           | M82A      | X                            | 0                          | 0                 | %100            |
| 70           | M82A      | Z                            | 0                          | 0                 | %100            |
| 71           | M91B      | X                            | - .326                     | 0                 | %100            |
| 72           | M91B      | Z                            | - .565                     | 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[f.. | End Location[ft.. |
|--------------|-----------|------------------------------|----------------------------|--------------------|-------------------|
| 73           | M76       | X                            | - .189                     | 0                  | %100              |
| 74           | M76       | Z                            | - .328                     | 0                  | %100              |
| 75           | M77       | X                            | 0                          | 0                  | %100              |
| 76           | M77       | Z                            | 0                          | 0                  | %100              |
| 77           | M84       | X                            | - .189                     | 0                  | %100              |
| 78           | M84       | Z                            | - .328                     | 0                  | %100              |
| 79           | M85       | X                            | - .579                     | 0                  | %100              |
| 80           | M85       | Z                            | -1.002                     | 0                  | %100              |
| 81           | M63       | X                            | - .757                     | 0                  | %100              |
| 82           | M63       | Z                            | -1.312                     | 0                  | %100              |
| 83           | M64       | X                            | - .579                     | 0                  | %100              |
| 84           | M64       | Z                            | -1.002                     | 0                  | %100              |
| 85           | M68       | X                            | - .757                     | 0                  | %100              |
| 86           | M68       | Z                            | -1.312                     | 0                  | %100              |
| 87           | M69       | X                            | - .579                     | 0                  | %100              |
| 88           | M69       | Z                            | -1.002                     | 0                  | %100              |
| 89           | M87       | X                            | - .189                     | 0                  | %100              |
| 90           | M87       | Z                            | - .328                     | 0                  | %100              |
| 91           | M88A      | X                            | - .579                     | 0                  | %100              |
| 92           | M88A      | Z                            | -1.002                     | 0                  | %100              |
| 93           | M92A      | X                            | - .189                     | 0                  | %100              |
| 94           | M92A      | Z                            | - .328                     | 0                  | %100              |
| 95           | M93       | X                            | 0                          | 0                  | %100              |
| 96           | M93       | Z                            | 0                          | 0                  | %100              |
| 97           | M46       | X                            | - .568                     | 0                  | %100              |
| 98           | M46       | Z                            | - .984                     | 0                  | %100              |
| 99           | M80       | X                            | 0                          | 0                  | %100              |
| 100          | M80       | Z                            | 0                          | 0                  | %100              |
| 101          | M91       | X                            | - .609                     | 0                  | %100              |
| 102          | M91       | Z                            | -1.056                     | 0                  | %100              |
| 103          | M55       | X                            | 0                          | 0                  | %100              |
| 104          | M55       | Z                            | 0                          | 0                  | %100              |
| 105          | M66       | X                            | - .609                     | 0                  | %100              |
| 106          | M66       | Z                            | -1.056                     | 0                  | %100              |
| 107          | M71       | X                            | - .609                     | 0                  | %100              |
| 108          | M71       | Z                            | -1.056                     | 0                  | %100              |
| 109          | M79A      | X                            | - .568                     | 0                  | %100              |
| 110          | M79A      | Z                            | - .984                     | 0                  | %100              |
| 111          | M90       | X                            | - .609                     | 0                  | %100              |
| 112          | M90       | Z                            | -1.056                     | 0                  | %100              |
| 113          | M95       | X                            | 0                          | 0                  | %100              |
| 114          | M95       | Z                            | 0                          | 0                  | %100              |
| 115          | OVP1      | X                            | - .245                     | 0                  | %100              |
| 116          | OVP1      | Z                            | - .425                     | 0                  | %100              |

**Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads)**

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

**Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads) (Continued)**

|    | Member Label | Direction | Start Magnitude[lb/ft.F,ksf] | End Magnitude[lb/ft.F,ksf] | Start Location[f...] | End Location[ft...] |
|----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 10 | M59A         | Y         | -4.426                       | -1.884                     | 3.329                | 4.162               |
| 11 | M51B         | Y         | -1.879                       | -4.428                     | 0                    | .832                |
| 12 | M51B         | Y         | -4.428                       | -7.042                     | .832                 | 1.665               |
| 13 | M51B         | Y         | -7.042                       | -8.256                     | 1.665                | 2.497               |
| 14 | M51B         | Y         | -8.256                       | -6.578                     | 2.497                | 3.329               |
| 15 | M51B         | Y         | -6.578                       | -3.47                      | 3.329                | 4.162               |
| 16 | M52B         | Y         | -3.463                       | -6.545                     | 0                    | .832                |
| 17 | M52B         | Y         | -6.545                       | -8.189                     | .832                 | 1.665               |
| 18 | M52B         | Y         | -8.189                       | -6.9                       | 1.665                | 2.497               |
| 19 | M52B         | Y         | -6.9                         | -4.227                     | 2.497                | 3.329               |
| 20 | M52B         | Y         | -4.227                       | -1.665                     | 3.329                | 4.162               |
| 21 | M82          | Y         | -1.884                       | -4.426                     | 0                    | .832                |
| 22 | M82          | Y         | -4.426                       | -7.044                     | .832                 | 1.665               |
| 23 | M82          | Y         | -7.044                       | -8.26                      | 1.665                | 2.497               |
| 24 | M82          | Y         | -8.26                        | -6.573                     | 2.497                | 3.329               |
| 25 | M82          | Y         | -6.573                       | -3.462                     | 3.329                | 4.162               |
| 26 | M83A         | Y         | -3.463                       | -6.545                     | 0                    | .832                |
| 27 | M83A         | Y         | -6.545                       | -8.189                     | .832                 | 1.665               |
| 28 | M83A         | Y         | -8.189                       | -6.902                     | 1.665                | 2.497               |
| 29 | M83A         | Y         | -6.902                       | -4.228                     | 2.497                | 3.329               |
| 30 | M83A         | Y         | -4.228                       | -1.661                     | 3.329                | 4.162               |

**Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads)**

|    | Member Label | Direction | Start Magnitude[lb/ft.F,ksf] | End Magnitude[lb/ft.F,ksf] | Start Location[f...] | End Location[ft...] |
|----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 1  | M58A         | Y         | -3.355                       | -8.538                     | 0                    | .832                |
| 2  | M58A         | Y         | -8.538                       | -13.936                    | .832                 | 1.665               |
| 3  | M58A         | Y         | -13.936                      | -16.535                    | 1.665                | 2.497               |
| 4  | M58A         | Y         | -16.535                      | -13.215                    | 2.497                | 3.329               |
| 5  | M58A         | Y         | -13.215                      | -6.993                     | 3.329                | 4.162               |
| 6  | M59A         | Y         | -6.99                        | -13.273                    | 0                    | .832                |
| 7  | M59A         | Y         | -13.273                      | -16.68                     | .832                 | 1.665               |
| 8  | M59A         | Y         | -16.68                       | -14.224                    | 1.665                | 2.497               |
| 9  | M59A         | Y         | -14.224                      | -8.937                     | 2.497                | 3.329               |
| 10 | M59A         | Y         | -8.937                       | -3.805                     | 3.329                | 4.162               |
| 11 | M51B         | Y         | -3.795                       | -8.942                     | 0                    | .832                |
| 12 | M51B         | Y         | -8.942                       | -14.219                    | .832                 | 1.665               |
| 13 | M51B         | Y         | -14.219                      | -16.671                    | 1.665                | 2.497               |
| 14 | M51B         | Y         | -16.671                      | -13.282                    | 2.497                | 3.329               |
| 15 | M51B         | Y         | -13.282                      | -7.006                     | 3.329                | 4.162               |
| 16 | M52B         | Y         | -6.992                       | -13.215                    | 0                    | .832                |
| 17 | M52B         | Y         | -13.215                      | -16.535                    | .832                 | 1.665               |
| 18 | M52B         | Y         | -16.535                      | -13.932                    | 1.665                | 2.497               |
| 19 | M52B         | Y         | -13.932                      | -8.535                     | 2.497                | 3.329               |
| 20 | M52B         | Y         | -8.535                       | -3.363                     | 3.329                | 4.162               |
| 21 | M82          | Y         | -3.805                       | -8.937                     | 0                    | .832                |
| 22 | M82          | Y         | -8.937                       | -14.224                    | .832                 | 1.665               |
| 23 | M82          | Y         | -14.224                      | -16.68                     | 1.665                | 2.497               |
| 24 | M82          | Y         | -16.68                       | -13.273                    | 2.497                | 3.329               |
| 25 | M82          | Y         | -13.273                      | -6.99                      | 3.329                | 4.162               |
| 26 | M83A         | Y         | -6.993                       | -13.215                    | 0                    | .832                |
| 27 | M83A         | Y         | -13.215                      | -16.535                    | .832                 | 1.665               |
| 28 | M83A         | Y         | -16.535                      | -13.936                    | 1.665                | 2.497               |
| 29 | M83A         | Y         | -13.936                      | -8.538                     | 2.497                | 3.329               |
| 30 | M83A         | Y         | -8.538                       | -3.355                     | 3.329                | 4.162               |

**Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads)**

|    | Member Label | Direction | Start Magnitude[lb/ft,F,ksf] | End Magnitude[lb/ft,F,ksf] | Start Location[f...] | End Location[ft...] |
|----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 1  | M58A         | Z         | -.05                         | -.127                      | 0                    | .832                |
| 2  | M58A         | Z         | -.127                        | -.207                      | .832                 | 1.665               |
| 3  | M58A         | Z         | -.207                        | -.246                      | 1.665                | 2.497               |
| 4  | M58A         | Z         | -.246                        | -.196                      | 2.497                | 3.329               |
| 5  | M58A         | Z         | -.196                        | -.104                      | 3.329                | 4.162               |
| 6  | M59A         | Z         | -.104                        | -.197                      | 0                    | .832                |
| 7  | M59A         | Z         | -.197                        | -.248                      | .832                 | 1.665               |
| 8  | M59A         | Z         | -.248                        | -.211                      | 1.665                | 2.497               |
| 9  | M59A         | Z         | -.211                        | -.133                      | 2.497                | 3.329               |
| 10 | M59A         | Z         | -.133                        | -.057                      | 3.329                | 4.162               |
| 11 | M51B         | Z         | -.056                        | -.133                      | 0                    | .832                |
| 12 | M51B         | Z         | -.133                        | -.211                      | .832                 | 1.665               |
| 13 | M51B         | Z         | -.211                        | -.248                      | 1.665                | 2.497               |
| 14 | M51B         | Z         | -.248                        | -.197                      | 2.497                | 3.329               |
| 15 | M51B         | Z         | -.197                        | -.104                      | 3.329                | 4.162               |
| 16 | M52B         | Z         | -.104                        | -.196                      | 0                    | .832                |
| 17 | M52B         | Z         | -.196                        | -.246                      | .832                 | 1.665               |
| 18 | M52B         | Z         | -.246                        | -.207                      | 1.665                | 2.497               |
| 19 | M52B         | Z         | -.207                        | -.127                      | 2.497                | 3.329               |
| 20 | M52B         | Z         | -.127                        | -.05                       | 3.329                | 4.162               |
| 21 | M82          | Z         | -.057                        | -.133                      | 0                    | .832                |
| 22 | M82          | Z         | -.133                        | -.211                      | .832                 | 1.665               |
| 23 | M82          | Z         | -.211                        | -.248                      | 1.665                | 2.497               |
| 24 | M82          | Z         | -.248                        | -.197                      | 2.497                | 3.329               |
| 25 | M82          | Z         | -.197                        | -.104                      | 3.329                | 4.162               |
| 26 | M83A         | Z         | -.104                        | -.196                      | 0                    | .832                |
| 27 | M83A         | Z         | -.196                        | -.246                      | .832                 | 1.665               |
| 28 | M83A         | Z         | -.246                        | -.207                      | 1.665                | 2.497               |
| 29 | M83A         | Z         | -.207                        | -.127                      | 2.497                | 3.329               |
| 30 | M83A         | Z         | -.127                        | -.05                       | 3.329                | 4.162               |

**Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads)**

|    | Member Label | Direction | Start Magnitude[lb/ft,F,ksf] | End Magnitude[lb/ft,F,ksf] | Start Location[f...] | End Location[ft...] |
|----|--------------|-----------|------------------------------|----------------------------|----------------------|---------------------|
| 1  | M58A         | X         | .05                          | .127                       | 0                    | .832                |
| 2  | M58A         | X         | .127                         | .207                       | .832                 | 1.665               |
| 3  | M58A         | X         | .207                         | .246                       | 1.665                | 2.497               |
| 4  | M58A         | X         | .246                         | .196                       | 2.497                | 3.329               |
| 5  | M58A         | X         | .196                         | .104                       | 3.329                | 4.162               |
| 6  | M59A         | X         | .104                         | .197                       | 0                    | .832                |
| 7  | M59A         | X         | .197                         | .248                       | .832                 | 1.665               |
| 8  | M59A         | X         | .248                         | .211                       | 1.665                | 2.497               |
| 9  | M59A         | X         | .211                         | .133                       | 2.497                | 3.329               |
| 10 | M59A         | X         | .133                         | .057                       | 3.329                | 4.162               |
| 11 | M51B         | X         | .056                         | .133                       | 0                    | .832                |
| 12 | M51B         | X         | .133                         | .211                       | .832                 | 1.665               |
| 13 | M51B         | X         | .211                         | .248                       | 1.665                | 2.497               |
| 14 | M51B         | X         | .248                         | .197                       | 2.497                | 3.329               |
| 15 | M51B         | X         | .197                         | .104                       | 3.329                | 4.162               |
| 16 | M52B         | X         | .104                         | .196                       | 0                    | .832                |
| 17 | M52B         | X         | .196                         | .246                       | .832                 | 1.665               |
| 18 | M52B         | X         | .246                         | .207                       | 1.665                | 2.497               |
| 19 | M52B         | X         | .207                         | .127                       | 2.497                | 3.329               |
| 20 | M52B         | X         | .127                         | .05                        | 3.329                | 4.162               |
| 21 | M82          | X         | .057                         | .133                       | 0                    | .832                |
| 22 | M82          | X         | .133                         | .211                       | .832                 | 1.665               |
| 23 | M82          | X         | .211                         | .248                       | 1.665                | 2.497               |

**Member Distributed Loads (BLC 91 : BLC 86 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] |
|----|--------------|-----------|------------------------------|----------------------------|--------------------|------------------|
| 24 | M82          | X         | .248                         | .197                       | 2.497              | 3.329            |
| 25 | M82          | X         | .197                         | .104                       | 3.329              | 4.162            |
| 26 | M83A         | X         | .104                         | .196                       | 0                  | .832             |
| 27 | M83A         | X         | .196                         | .246                       | .832               | 1.665            |
| 28 | M83A         | X         | .246                         | .207                       | 1.665              | 2.497            |
| 29 | M83A         | X         | .207                         | .127                       | 2.497              | 3.329            |
| 30 | M83A         | X         | .127                         | .05                        | 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 | N7      | N87B    | N87C    | N6      | Y         | Two Way      | -.005          |
| 3 | N141    | N118    | N117    | N139    | 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      | -.011          |
| 2 | N7      | N87B    | N87C    | N6      | Y         | Two Way      | -.011          |
| 3 | N141    | N118    | N117    | N139    | Y         | Two Way      | -.011          |

**Member Area Loads (BLC 84 : Structure Ev)**

|   | Joint A | Joint B | Joint C | Joint D | Direction | Distribution | Magnitude[ksf] |
|---|---------|---------|---------|---------|-----------|--------------|----------------|
| 1 | N113    | N111    | N89     | N90     | Y         | Two Way      | 0              |
| 2 | N7      | N87B    | N87C    | N6      | Y         | Two Way      | 0              |
| 3 | N141    | N118    | N117    | N139    | Y         | Two Way      | 0              |

**Member Area Loads (BLC 85 : Structure Eh (0 Deg))**

|   | Joint A | Joint B | Joint C | Joint D | Direction | Distribution | Magnitude[ksf] |
|---|---------|---------|---------|---------|-----------|--------------|----------------|
| 1 | N113    | N111    | N89     | N90     | Z         | Two Way      | -.000156       |
| 2 | N7      | N87B    | N87C    | N6      | Z         | Two Way      | -.000156       |
| 3 | N141    | N118    | N117    | N139    | Z         | Two Way      | -.000156       |

**Member Area Loads (BLC 86 : Structure Eh (90 Deg))**

|   | Joint A | Joint B | Joint C | Joint D | Direction | Distribution | Magnitude[ksf] |
|---|---------|---------|---------|---------|-----------|--------------|----------------|
| 1 | N113    | N111    | N89     | N90     | X         | Two Way      | .000156        |
| 2 | N7      | N87B    | N87C    | N6      | X         | Two Way      | .000156        |
| 3 | N141    | N118    | N117    | N139    | X         | Two Way      | .000156        |

**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 | 1158.666  | 10 | 2517.876 | 13 | 2541.586  | 1  | 5.839     | 1  | 1.444     | 4  | .24       | 4  |
| 2 |         | min | -1170.614 | 4  | -23.332  | 7  | -2687.18  | 7  | -1.835    | 7  | -1.456    | 10 | -.067     | 10 |
| 3 | N87D    | max | 2347.955  | 9  | 2415.424 | 21 | 1379.302  | 3  | 1.141     | 3  | 1.258     | 12 | 1.794     | 3  |
| 4 |         | min | -2468.684 | 3  | -166.715 | 3  | -1296.2   | 9  | -2.999    | 9  | -1.271    | 6  | -5.319    | 9  |
| 5 | N115    | max | 2201.411  | 11 | 2379.011 | 17 | 1424.541  | 1  | .823      | 11 | 1.347     | 8  | 4.963     | 5  |
| 6 |         | min | -2068.696 | 5  | -74.032  | 11 | -1363.087 | 7  | -2.936    | 5  | -1.357    | 2  | -1.601    | 11 |
| 7 | Totals: | max | 5489.452  | 10 | 6511.383 | 16 | 5236.679  | 1  |           |    |           |    |           |    |
| 8 |         | min | -5489.449 | 4  | 2308.524 | 73 | -5236.673 | 7  |           |    |           |    |           |    |



Company :  
 Designer :  
 Job Number :  
 Model Name :

Nov 15, 2023  
 11:03 AM  
 Checked By: \_\_\_\_\_

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

| Member | Shape | Code Check | L... | LC   | Shear Check | Loc[...Dir | LC    | phi*Pn... | phi*Pnt... | phi*Mn... | phi*Mn... | Cb     | Eqn    |           |
|--------|-------|------------|------|------|-------------|------------|-------|-----------|------------|-----------|-----------|--------|--------|-----------|
| 1      | M121  | L2.5x2.5x4 | .511 | 0    | 10          | .201       | 0     | z         | 6          | 37736...  | 38556     | 1.114  | 2.537  | 1...H2-1  |
| 2      | M122  | L2.5x2.5x4 | .502 | 0    | 3           | .222       | 0     | z         | 10         | 37736...  | 38556     | 1.114  | 2.537  | 1...H2-1  |
| 3      | M123  | L2.5x2.5x4 | .495 | 0    | 7           | .220       | .025  | z         | 2          | 37736...  | 38556     | 1.114  | 2.537  | 1...H2-1  |
| 4      | M100  | PIPE 2.0   | .417 | 1... | 5           | .211       | 1.432 |           | 7          | 6295.4... | 32130     | 1.872  | 1.872  | 3...H1-1b |
| 5      | M105  | PIPE 2.0   | .419 | 1... | 1           | .217       | 1.432 |           | 3          | 6295.4... | 32130     | 1.872  | 1.872  | 3...H1-1b |
| 6      | M106  | PIPE 2.0   | .448 | 1... | 9           | .220       | 1.432 |           | 10         | 6295.4... | 32130     | 1.872  | 1.872  | 3...H1-1b |
| 7      | M4    | HSS4X4X4   | .376 | 0    | 1           | .079       | 0     | y         | 14         | 124657... | 139518    | 16.181 | 16.181 | 2...H1-1b |
| 8      | M52A  | HSS4X4X4   | .391 | 0    | 9           | .074       | 0     | y         | 22         | 124657... | 139518    | 16.181 | 16.181 | 2...H1-1b |
| 9      | M76A  | HSS4X4X4   | .369 | 0    | 4           | .097       | 0     | y         | 30         | 124657... | 139518    | 16.181 | 16.181 | 2...H1-1b |
| 10     | M10   | HSS4X4X4   | .172 | 2... | 2           | .054       | 2.375 | y         | 13         | 136263... | 139518    | 16.181 | 16.181 | 1...H1-1b |
| 11     | M43   | HSS4X4X4   | .162 | 0    | 24          | .051       | 2.152 | z         | 1          | 136263... | 139518    | 16.181 | 16.181 | 1...H1-1b |
| 12     | M53   | HSS4X4X4   | .175 | 2... | 10          | .059       | .223  | z         | 9          | 136263... | 139518    | 16.181 | 16.181 | 1...H1-1b |
| 13     | M54   | HSS4X4X4   | .169 | 0    | 8           | .057       | 2.152 | z         | 9          | 136263... | 139518    | 16.181 | 16.181 | 1...H1-1b |
| 14     | M77A  | HSS4X4X4   | .167 | 2... | 18          | .054       | 2.375 | y         | 17         | 136263... | 139518    | 16.181 | 16.181 | 1...H1-1b |
| 15     | M78   | HSS4X4X4   | .169 | 0    | 4           | .052       | 2.152 | z         | 5          | 136263... | 139518    | 16.181 | 16.181 | 1...H1-1b |
| 16     | MP3A  | PIPE 2.0   | .540 | 5... | 4           | .159       | 5.5   |           | 2          | 14916...  | 32130     | 1.872  | 1.872  | 4...H1-1b |
| 17     | MP4A  | PIPE 2.0   | .416 | 5... | 5           | .257       | 2.5   |           | 7          | 14916...  | 32130     | 1.872  | 1.872  | 3...H1-1b |
| 18     | MP2A  | PIPE 2.0   | .561 | 5... | 9           | .160       | 5.5   |           | 10         | 14916...  | 32130     | 1.872  | 1.872  | 4...H1-1b |
| 19     | MP1A  | PIPE 2.0   | .427 | 5... | 8           | .273       | 2.5   |           | 7          | 14916...  | 32130     | 1.872  | 1.872  | 4...H3-6  |
| 20     | MP3C  | PIPE 2.0   | .533 | 5... | 1           | .161       | 5.5   |           | 10         | 14916...  | 32130     | 1.872  | 1.872  | 4...H1-1b |
| 21     | MP4C  | PIPE 2.0   | .416 | 5... | 1           | .268       | 2.5   |           | 3          | 14916...  | 32130     | 1.872  | 1.872  | 4...H1-1b |
| 22     | MP2C  | PIPE 2.0   | .525 | 5... | 5           | .156       | 2.5   |           | 2          | 14916...  | 32130     | 1.872  | 1.872  | 3...H1-1b |
| 23     | MP1C  | PIPE 2.0   | .421 | 5... | 4           | .286       | 2.5   |           | 3          | 14916...  | 32130     | 1.872  | 1.872  | 3...H3-6  |
| 24     | MP3B  | PIPE 2.0   | .578 | 5... | 9           | .145       | 5.5   |           | 6          | 14916...  | 32130     | 1.872  | 1.872  | 4...H1-1b |
| 25     | MP4B  | PIPE 2.0   | .444 | 5... | 9           | .256       | 2.5   |           | 11         | 14916...  | 32130     | 1.872  | 1.872  | 2...H1-1b |
| 26     | MP2B  | PIPE 2.0   | .540 | 5... | 2           | .160       | 5.5   |           | 2          | 14916...  | 32130     | 1.872  | 1.872  | 3...H1-1b |
| 27     | MP1B  | PIPE 2.0   | .375 | 5... | 1           | .277       | 2.5   |           | 11         | 14916...  | 32130     | 1.872  | 1.872  | 4...H1-1b |
| 28     | M51B  | L2x2x3     | .153 | 4... | 2           | .012       | 4.162 | y         | 17         | 9823.1... | 23392.8   | .558   | 1.092  | 1...H2-1  |
| 29     | M52B  | L2x2x3     | .142 | 0    | 1           | .012       | 4.162 | y         | 21         | 9823.1... | 23392.8   | .558   | 1.078  | 1...H2-1  |
| 30     | M58A  | L2x2x3     | .161 | 4... | 9           | .012       | 4.162 | y         | 13         | 9823.1... | 23392.8   | .558   | 1.078  | 1...H2-1  |
| 31     | M59A  | L2x2x3     | .158 | 0    | 9           | .012       | 4.162 | y         | 17         | 9823.1... | 23392.8   | .558   | 1.078  | 1...H2-1  |
| 32     | M82   | L2x2x3     | .147 | 4... | 5           | .012       | 4.162 | y         | 21         | 9823.1... | 23392.8   | .558   | 1.078  | 1...H2-1  |
| 33     | M83A  | L2x2x3     | .145 | 4... | 4           | .012       | 4.162 | y         | 13         | 9823.1... | 23392.8   | .558   | 1.094  | 1...H2-1  |
| 34     | M1    | PIPE 3.0   | .189 | 7... | 9           | .139       | 7.943 |           | 7          | 28250...  | 65205     | 5.749  | 5.749  | 2...H1-1b |
| 35     | M82A  | PIPE 3.0   | .176 | 7... | 5           | .143       | 7.943 |           | 3          | 28250...  | 65205     | 5.749  | 5.749  | 2...H1-1b |
| 36     | M91B  | PIPE 3.0   | .178 | 7... | 2           | .135       | 7.943 |           | 11         | 28250...  | 65205     | 5.749  | 5.749  | 2...H1-1b |
| 37     | M76   | PL3/8x6    | .345 | 0    | 10          | .225       | 0     | y         | 5          | 70647...  | 72900     | .57    | 9.113  | 1...H1-1b |
| 38     | M77   | PL3/8x6    | .245 | .... | 8           | .333       | 0     | y         | 14         | 71583...  | 72900     | .57    | 9.113  | 1...H1-1b |
| 39     | M84   | PL3/8x6    | .287 | 0    | 10          | .316       | 0     | y         | 9          | 70647...  | 72900     | .57    | 9.113  | 2...H1-1b |
| 40     | M85   | PL3/8x6    | .261 | .... | 7           | .319       | 0     | y         | 13         | 71583...  | 72900     | .57    | 9.113  | 1...H1-1b |
| 41     | M63   | PL3/8x6    | .303 | 0    | 6           | .227       | 0     | y         | 2          | 70647...  | 72900     | .57    | 9.113  | 1...H1-1b |
| 42     | M64   | PL3/8x6    | .272 | .... | 3           | .337       | 0     | y         | 22         | 71583...  | 72900     | .57    | 9.113  | 1...H1-1b |
| 43     | M68   | PL3/8x6    | .249 | 0    | 6           | .304       | 0     | y         | 4          | 70647...  | 72900     | .57    | 9.113  | 2...H1-1b |
| 44     | M69   | PL3/8x6    | .290 | .... | 3           | .324       | 0     | y         | 21         | 71583...  | 72900     | .57    | 9.113  | 1...H1-1b |
| 45     | M87   | PL3/8x6    | .348 | 0    | 2           | .240       | 0     | y         | 9          | 70647...  | 72900     | .57    | 9.113  | 1...H1-1b |
| 46     | M88A  | PL3/8x6    | .243 | .... | 11          | .333       | 0     | y         | 17         | 71583...  | 72900     | .57    | 9.113  | 1...H1-1b |
| 47     | M92A  | PL3/8x6    | .269 | 0    | 2           | .301       | 0     | y         | 1          | 70647...  | 72900     | .57    | 9.113  | 2...H1-1b |
| 48     | M93   | PL3/8x6    | .266 | .... | 11          | .320       | 0     | y         | 16         | 71583...  | 72900     | .57    | 9.113  | 1...H1-1b |
| 49     | M46   | PL1/2x6    | .174 | .... | 1           | .124       | .516  | y         | 11         | 66009...  | 97200     | 1.012  | 12.15  | 1...H1-1b |
| 50     | M80   | PL1/2x6    | .073 | .... | 1           | .121       | 0     | y         | 11         | 96757...  | 97200     | 1.012  | 12.15  | 1...H1-1b |
| 51     | M91   | PL1/2x6    | .078 | .... | 1           | .128       | .112  | y         | 9          | 96757...  | 97200     | 1.012  | 12.15  | 1...H1-1b |
| 52     | M55   | PL1/2x6    | .193 | .... | 9           | .123       | .516  | y         | 7          | 66009...  | 97200     | 1.012  | 12.15  | 1...H1-1b |
| 53     | M66   | PL1/2x6    | .079 | .... | 9           | .120       | 0     | y         | 7          | 96757...  | 97200     | 1.012  | 12.15  | 1...H1-1b |
| 54     | M71   | PL1/2x6    | .085 | .... | 9           | .118       | .112  | y         | 5          | 96757...  | 97200     | 1.012  | 12.15  | 1...H1-1b |
| 55     | M79A  | PL1/2x6    | .176 | .... | 5           | .131       | .516  | y         | 3          | 66009...  | 97200     | 1.012  | 12.15  | 1...H1-1b |
| 56     | M90   | PL1/2x6    | .073 | .... | 5           | .130       | 0     | y         | 3          | 96757...  | 97200     | 1.012  | 12.15  | 1...H1-1b |



Company :  
 Designer :  
 Job Number :  
 Model Name :

Nov 15, 2023  
 11:03 AM  
 Checked By: \_\_\_\_\_

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

| Member | Shape | Code Check | L... | LC   | Shear Check | Loc[...Dir | LC   | phi*Pn... | phi*Pnt... | phi*Mn... | phi*Mn... | Cb    | Eqn   |           |
|--------|-------|------------|------|------|-------------|------------|------|-----------|------------|-----------|-----------|-------|-------|-----------|
| 57     | M95   | PL1/2x6    | .079 | ...  | 5           | .119       | .112 | y         | 1          | 96757...  | 97200     | 1.012 | 12.15 | 1...H1-1b |
| 58     | OVP1  | PIPE_2.0   | .040 | 1... | 12          | .015       | 1.5  |           | 12         | 28843...  | 32130     | 1.872 | 1.872 | 1...H1-1b |

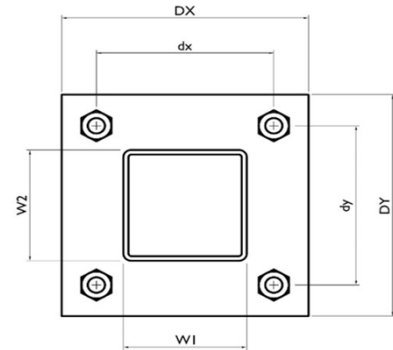
**I. Mount-to-Tower Connection Check**

Custom Orientation Required

Tower Connection Bolt Checks

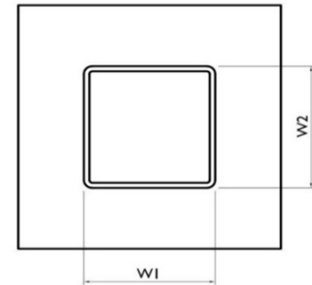
Bolt Orientation

|  |              |
|--|--------------|
| Bolt Quantity per Reaction:                        | 4            |
| $d_x$ (in) (Delta X of typ. bolt config. sketch) : | 6            |
| $d_y$ (in) (Delta Y of typ. bolt config. sketch) : | 6            |
| Bolt Type:   | A325N        |
| Bolt Diameter (in):                                | 0.625        |
| Required Tensile Strength / bolt (kips):           | 6.8          |
| Required Shear Strength / bolt (kips):             | 0.6          |
| Tensile Capacity / bolt (kips):                    | 20.7         |
| Shear Capacity / bolt (kips):                      | 12.4         |
| Bolt Overall Utilization:                          | <b>33.0%</b> |



Tower Connection Baseplate Checks

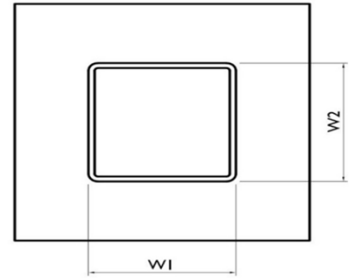
|                                   |               |
|-----------------------------------|---------------|
| Connecting Standoff Member Shape: | Rect Tube     |
| Weld Stiffener Configuration:     | No Stiffeners |
| Plate Width, $D_x$ (in):          | 8             |
| Plate Height, $D_y$ (in):         | 8             |
| $W_1$ (in):                       | 4             |
| $W_2$ (in):                       | 4             |
| Member Thickness (in):            | 0.25          |
| Stiffener location $a_1$ (in):    |               |
| Stiffener location $b_1$ (in):    |               |
| Stiffener location $a_2$ (in):    |               |
| Stiffener location $b_2$ (in):    |               |
| $F_y$ (ksi, plate):               | 36            |
| Plate Thickness (in):             | 0.75          |
| Length of Yield Line, $L_y$ (in): | 5.85          |
| Bolt Eccentricity, $e$ (in):      | 1.65          |
| $M_u$ (kip-in):                   | 11.26         |
| $\Phi * M_n$ (kip-in):            | 26.65         |
| Plate Bending Utilization:        | <b>42.2%</b>  |



Tower Connection Weld Checks

Weld Shape:  
 Weld Stiffener Configuration:  
 Stiffener Notch Length, n (in):  
 Weld Size (1/16 in):  
 W1 (in):  
 W2 (in):  
 Weld Total Length (in):  
 $Z_x$  (in<sup>3</sup>/in):  
 $Z_y$  (in<sup>3</sup>/in):  
 $J_p$  (in<sup>4</sup>/in):  
 $c_x$  (in)  
 $c_y$  (in)  
 Required combined strength (kip/in):  
 Weld Capacity (kip/in):  
 Weld Utilization:

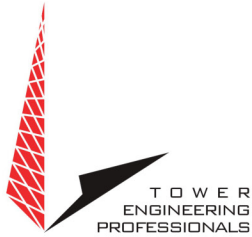
|              |
|--------------|
| Yes          |
| Rectangle    |
| None         |
| 4            |
| 4            |
| 6            |
| 20.00        |
| 36.00        |
| 29.33        |
| 166.67       |
| 2.25         |
| 3.25         |
| 1.47         |
| 5.57         |
| <b>26.4%</b> |





# EXHIBIT 5





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## Non-Ionizing Electromagnetic Radiation (NIER) Study

*Site Number:*

302482

*Site Name:*

North Haven CT 1

*Location:*

North Haven, Connecticut

*Tenants:*

AT&T Mobility, & Verizon Wireless

*Prepared For:*

American Tower, Inc.  
Woburn, Massachusetts

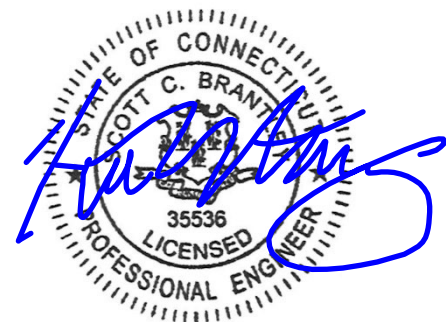
December 20<sup>th</sup>, 2023

93984 P-415179

Prepared By:

Adam Carlson MS, CBRE, CPI  
Program Manager RF Design & Service  
Tower Engineering Professionals

Approved By:



12/22/23



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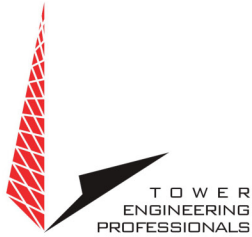
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## Non-Ionizing Electromagnetic Radiation (NIER) Study

302482 North Haven CT 1  
North Haven, Connecticut

### INTRODUCTION

Tower Engineering Professionals RF Design & Services Division (TEP-RF) of Raleigh, North Carolina, has been retained by American Tower, Inc. (ATC), of Woburn, Massachusetts to evaluate the RF emissions compared to the Maximum Permissible Exposure (MPE) limit for facilities at this location. This evaluation uses compliance standards as outlined in Federal Communications Commission (FCC) document OET-65.

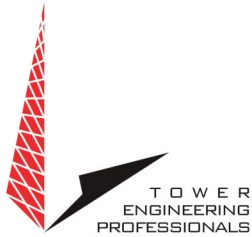
### SITE AND FACILITY CONSIDERATIONS

Site 302482 North Haven CT 1 is located at 289 Mountain St., in North Haven, Connecticut at coordinates 41.420804, -72.848807. The support structure is a 110' monopole. An aerial view of the tower can be found in Appendix 1, Site Photos. The tenants are AT&T Mobility (AT&T), & Verizon Wireless (VZW). A table listing all antennae and effective radiated power (ERP) levels that were used in this study may be found in Appendix 2, Antenna Inventory.

### POWER DENSITY CALCULATIONS

Power densities were calculated based on FCC MPE limits for both General Population/Uncontrolled and Occupational/Controlled environments.

For the purpose of this study, a radius of 200' from the base of the tower with a height of 6' above ground level was used, beyond 200' the MPE levels become *di minimus*. This study utilized FCC recognized and accepted software programs using the maximum ERP levels for the antenna models provided by ATC. Diagrams depicting the predicted spatial average power density level at any specific location may be found in Appendix 3, MPE Limit Study. A discussion regarding the FCC limits may be found in Appendix 4, Information Pertaining to MPE Studies. Study methodology describing Non-ionizing Radiation Prediction Models used in this study may be found in Appendix 5, MPE Standards Methodology.



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All data used in this study was collected from one or more of the following sources:

- ATC furnished data and does not include other unidentified communication facilities.
- Load List at 302482 North Haven CT 1.RF NIER Study 12/1/23.
- FCC databases.
- Carrier standard configurations.
- Empirical data collected by TEP.

### SITE MITIGATION & CONTROL

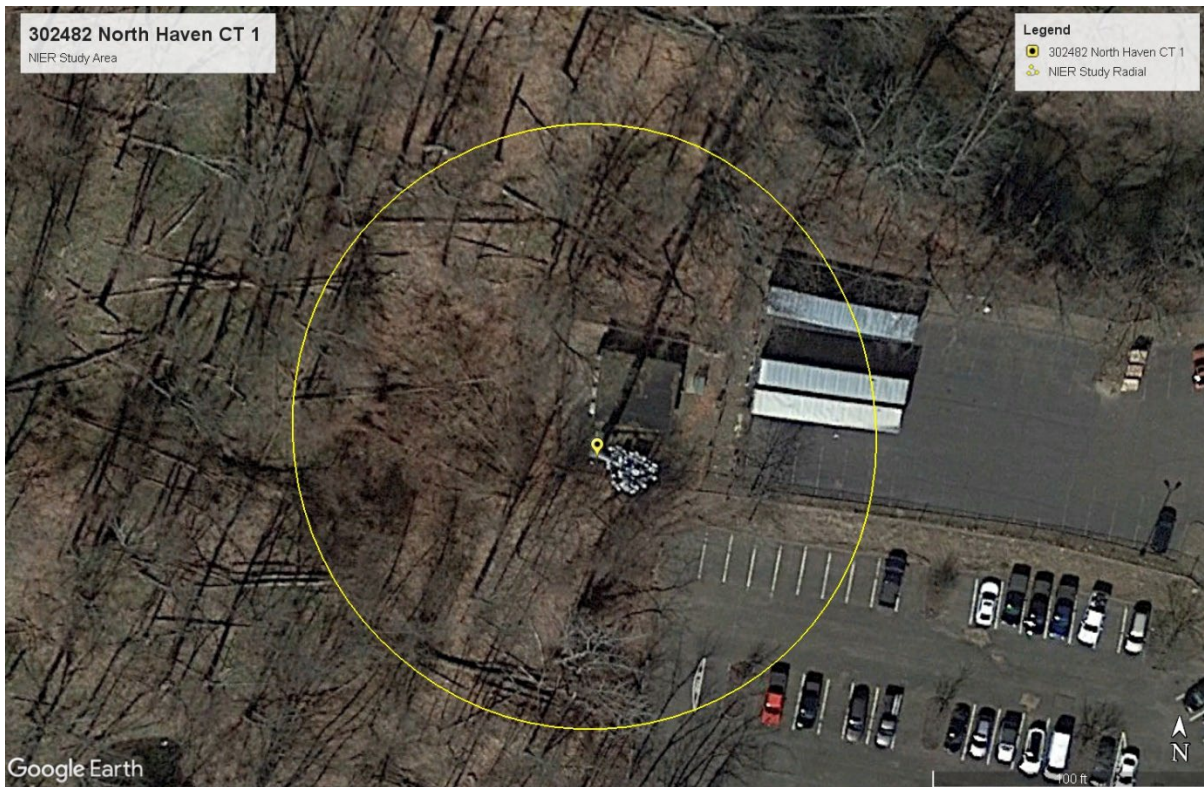
In order to comply with FCC, tenant, & ATC requirements, TEP recommends the placement of signage at the base of the tower and all compound access points to alert workers of potential exposure to RF fields while working on or near the antennae.

TEP recommends that all personnel working on this tower be trained in RF safety procedures and carry a personal RF monitor at all times.

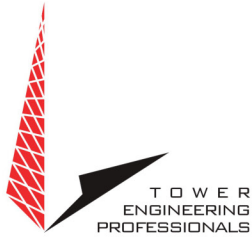
### COMPLIANCE DETERMINATION

This installation IS in compliance with current FCC MPE limits as described in FCC OET-65.

## APPENDIX 1 Site Photos



Aerial View of Site



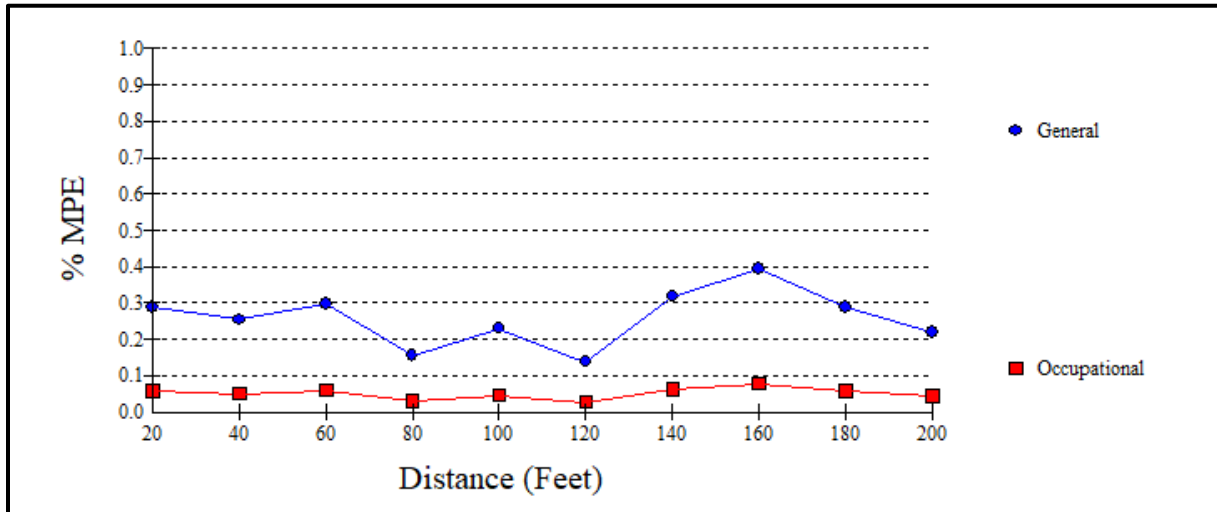
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## Appendix 2.1 Antenna Inventory

| 302481 Hrfr - South |         |                      |                |                      |             |                              |                       |
|---------------------|---------|----------------------|----------------|----------------------|-------------|------------------------------|-----------------------|
| Antenna Inventory   |         |                      |                |                      |             |                              |                       |
| Antenna #           | Carrier | Antenna Manufacturer | Antenna Model  | Frequency Band (MHz) | Azimuth (°) | Effective Radiated Power (W) | Radiation Center (ft) |
| 1                   | AT&T    | Ericsson             | Air 6449       | 3600-3900            | 020         | 70300                        | 153.0                 |
| 2                   | AT&T    | Ericsson             | Air 6449       | 3600-3900            | 140         | 70300                        | 153.0                 |
| 3                   | AT&T    | Ericsson             | Air 6449       | 3600-3900            | 270         | 70300                        | 153.0                 |
| 4                   | AT&T    | CCI                  | DMP65R-BU8DA   | 1900                 | 020         | 36002                        | 153.0                 |
| 5                   | AT&T    | CCI                  | DMP65R-BU6DA   | 1900                 | 140         | 36002                        | 153.0                 |
| 6                   | AT&T    | CCI                  | DMP65R-BU6DA   | 1900                 | 270         | 36002                        | 153.0                 |
| 7                   | AT&T    | Ericsson             | Air 6419       | 3600-3900            | 020         | 70300                        | 153.0                 |
| 8                   | AT&T    | Ericsson             | Air 6419       | 3600-3900            | 140         | 70300                        | 153.0                 |
| 9                   | AT&T    | Ericsson             | Air 6419       | 3600-3900            | 270         | 70300                        | 153.0                 |
| 10                  | AT&T    | Quintel              | QD8616-7       | 700/1900/2100/       | 020         | 42370                        | 153.0                 |
| 11                  | AT&T    | Quintel              | QD8616-7       | 700/1900/2100/       | 140         | 42370                        | 153.0                 |
| 12                  | AT&T    | Quintel              | QD8616-7       | 700/1900/2100/       | 270         | 42370                        | 153.0                 |
| 13                  | Verizon | Commscope            | JAHH-65B-R3B   | 700/2100             | 040         | 7662                         | 100.0                 |
| 14                  | Verizon | Commscope            | JAHH-65B-R3B   | 700/2100             | 130         | 7662                         | 100.0                 |
| 15                  | Verizon | Commscope            | JAHH-65B-R3B   | 700/2100             | 270         | 7662                         | 108.0                 |
| 16                  | Verizon | Commscope            | JAHH-65B-R3B   | 700/2100             | 040         | 7662                         | 108.0                 |
| 17                  | Verizon | Commscope            | JAHH-65B-R3B   | 700/2100             | 130         | 7662                         | 108.0                 |
| 18                  | Verizon | Commscope            | JAHH-65B-R3B   | 700/2100             | 270         | 7662                         | 108.0                 |
| 19                  | Verizon | Commscope            | LNX-6514DS-VTM | 800                  | 030         | 18970                        | 108.0                 |
| 20                  | Verizon | Commscope            | LNX-6514DS-VTM | 800                  | 130         | 18970                        | 108.0                 |
| 21                  | Verizon | Commscope            | LNX-6514DS-VTM | 800                  | 270         | 18970                        | 108.0                 |
| 22                  | Verizon | Samsung              | MT6407-77A     | 3700-3900            | 030         | 18286                        | 108.0                 |
| 23                  | Verizon | Samsung              | MT6407-77A     | 3700-3900            | 180         | 18286                        | 108.0                 |
| 24                  | Verizon | Samsung              | MT6407-77A     | 3700-3900            | 270         | 18286                        | 108.0                 |
| 25                  | Verizon | Samsung              | XXDWMM-12.5    | 3500-3700            | 090         | 5458                         | 108.0                 |
| 26                  | Verizon | Samsung              | XXDWMM-12.5    | 3500-3700            | 220         | 5458                         | 108.0                 |
| 27                  | Verizon | Samsung              | XXDWMM-12.5    | 3500-3700            | 350         | 5458                         | 108.0                 |

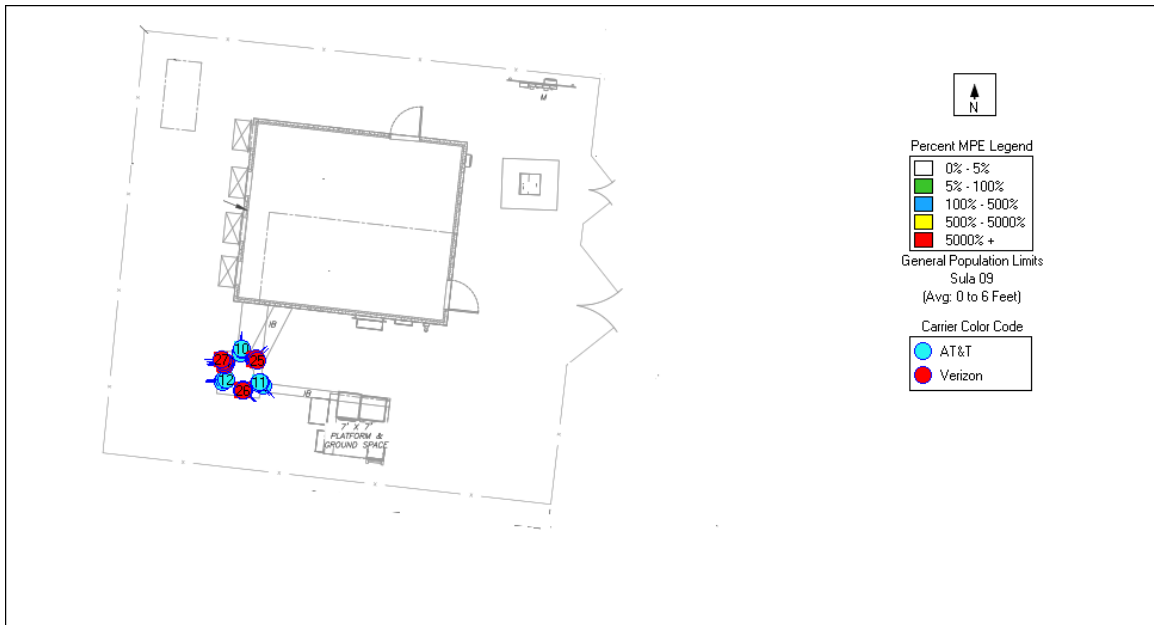


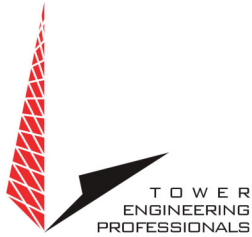
### Appendix 3.1 MPE Limit Study



|                                 |                           |
|---------------------------------|---------------------------|
| Maximum Power Density (@160'):  | 0.0034 mW/cm <sup>2</sup> |
| General Population MPE (@160'): | 0.3947%                   |
| Occupational MPE (@160'):       | 0.0789%                   |

## Appendix 3.2 MPE Limit Study





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## Appendix 4 Information Pertaining to MPE Studies

In 1985, the FCC first adopted guidelines to be used for evaluating human exposure to RF emissions. The FCC revised and updated these guidelines on August 1, 1996, as a result of a rule-making proceeding initiated in 1993. The new guidelines incorporate limits for Maximum Permissible Exposure (MPE) in terms of electric and magnetic field strength and power density for transmitters operating at frequencies between 300 kHz and 100 GHz.

The FCC's MPE limits are based on exposure limits recommended by the National Council on Radiation Protection and Measurements (NCRP), and, over a wide range of frequencies, the exposure limits were developed by the Institute of Electrical and Electronics Engineers, Inc., (IEEE) and adopted by the American National Standards Institute (ANSI) to replace the 1982 ANSI guidelines. Limits for localized absorption are based on recommendations of both ANSI/IEEE and NCRP.

The FCC's limits, and the NCRP and ANSI/IEEE limits on which they are based, are derived from exposure criteria quantified in terms of specific absorption rate (SAR). The basis for these limits is a whole-body averaged SAR threshold level of 4 watts per kilogram (4 W/kg), as averaged over the entire mass of the body, above which expert organizations have determined that potentially hazardous exposures may occur. The MPE limits are derived by incorporating safety factors that lead, in some cases, to limits that are more conservative than the limits originally adopted by the FCC in 1985. Where more conservative limits exist, they do not arise from a fundamental change in the RF safety criteria for whole-body averaged SAR, but from a precautionary desire to protect subgroups of the general population who, potentially, may be more at risk.

The FCC exposure limits are also based on data showing that the human body absorbs RF energy at some frequencies more efficiently than at others. The most restrictive limits occur in the frequency range of 30-300 MHz where whole-body absorption of RF energy by human beings is most efficient. At other frequencies, whole-body absorption is less efficient, and consequently, the MPE limits are less restrictive.

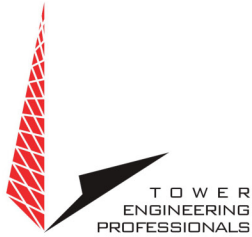


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MPE limits are defined in terms of power density (units of milliwatts per centimeter squared:  $\text{mW}/\text{cm}^2$ ), electric field strength (units of volts per meter:  $\text{V}/\text{m}$ ) and magnetic field strength (units of amperes per meter:  $\text{A}/\text{m}$ ). The far-field of a transmitting antenna is where the electric field vector (E), the magnetic field vector (H), and the direction of propagation can be considered to be all mutually orthogonal ("plane-wave" conditions).

**Occupational/controlled exposure** limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

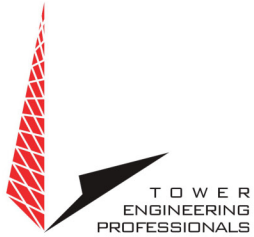
**General population/uncontrolled exposure** limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment-related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area. Additional details can be found in FCC OET 65.



## Appendix 5 MPE Standards Methodology

This study predicts RF field strength and power density levels that emanate from communications system antennae. It considers all transmitter power levels (less filter and line losses) delivered to each active transmitting antenna at the communications site. Calculations are performed to determine power density and MPE levels for each antenna as well as composite levels from all antennas. The calculated levels are based on where a human (Observer) would be standing at various locations at the site. The point of interest where the MPE level is predicted is based on the height of the Observer.

Compliance with the FCC limits on RF emissions are determined by spatially averaging a person's exposure over the projected area of an adult human body, that is approximately six-feet or two-meters, as defined in the ANSI/IEEE C95.1 standard. The MPE limits are specified as time-averaged exposure limits. This means that exposure is averaged over an identifiable time interval. It is 30 minutes for the general population/uncontrolled RF environment and 6 minutes for the occupational/controlled RF environment. However, in the case of the general public, time averaging should not be applied because the general public is typically not aware of RF exposure, and they do not have control of their exposure time. Therefore, it should be assumed that any RF exposure to the general public will be continuous.

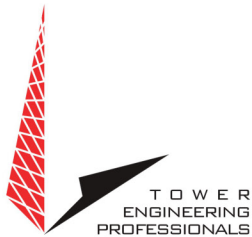


The FCC's limits for exposure at different frequencies are shown in the following Tables.

| Limits for Occupational/Controlled Exposure |                                   |                                   |   |   |
|---|-----------------------------------|-----------------------------------|---|---|
| Frequency Range (MHz)                       | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/cm <sup>2</sup> ) | Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes) |
| 0.3 - 3.0                                   | 614                               | 1.63                              | 100*                                    | 6   |
| 3.0 - 30                                    | 1842/f                            | 4.89/f                            | 900/F <sup>2</sup>                      | 6   |
| 30 - 300                                    | 61.4                              | 0.163                             | 1.0                                     | 6   |
| 300 - 1500                                  | --                                | --                                | f/300                                   | 6   |
| 1500 - 100,000                              | --                                | --                                | 5                                       | 6   |

f = frequency

\* = Plane-wave equivalent power density



Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

| Limits for General Population/Uncontrolled Exposure |                                   |                                   |   |   |
|---|-----------------------------------|-----------------------------------|---|---|
| Frequency Range (MHz)                               | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/cm <sup>2</sup> ) | Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes) |
| 0.3 - 1.34  | 614                               | 1.63                              | 100*                                    | 30  |
| 1.34 - 30   | 824/f                             | 2.19/f                            | 180/F <sup>2</sup>                      | 30  |
| 30 -300   | 27.5                              | 0.073                             | 0.2                                     | 30  |
| 300 -1500   | --                                | --                                | f/1500                                  | 30  |
| 1500 -100,000                                       | --                                | --                                | 1.0                                     | 30  |

f = frequency

\* = Plane-wave equivalent power density

General population/uncontrolled exposures apply in situations in which the general public may be exposed or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

It is important to understand that these limits apply cumulatively to all sources of RF emissions affecting a given area. For example, if several different communications system antennas occupy a shared facility such as a tower or rooftop, then the total exposure from all systems at the facility must be within compliance of the FCC guidelines.



The field strength emanating from an antenna can be estimated based on the characteristics of an antenna radiating in free space. There are basically two field areas associated with a radiating antenna. When close to the antenna, the region is known as the Near Field. Within this region, the characteristics of the RF fields are very complex, and the wave front is extremely curved. As you move further from the antenna, the wave front has less curvature and becomes planar. The wave front still has a curvature, but it appears to occupy a flat plane in space (plane-wave radiation). This region is known as the Far Field.

Two models are utilized to predict Near and Far field power densities. They are based on the formulae in FCC OET 65.

#### **Cylindrical Model (Near Field Predictions)**

Spatially averaged plane-wave equivalent power densities parallel to the antenna may be estimated by dividing the antenna input power by the surface area of an imaginary cylinder surrounding the length of the radiating antenna. While the actual power density will vary along the height of the antenna, the average value along its length will closely follow the relation given by the following equation:

$$S = P \div 2\pi RL$$

Where:

S = Power Density

P = Total Power into antenna

R = Distance from the antenna

L = Antenna aperture length





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For directional-type antennas, power densities can be estimated by dividing the input power by that portion of a cylindrical surface area corresponding to the angular beam width of the antenna. For example, for the case of a 120-degree azimuthal beam width, the surface area should correspond to 1/3 that of a full cylinder. This would increase the power density near the antenna by a factor of three over that for a purely omni-directional antenna. Mathematically, this can be represented by the following formula:

$$S = (180 / \theta_{BW}) P \div \pi RL$$

Where:

S = Power Density

$\theta_{BW}$  = Beam width of antenna in degrees (3 dB half-power point)

P = Total Power into antenna

R = Distance from the antenna

L = Antenna aperture length

If the antenna is a 360-degree omni-directional antenna, this formula would be equivalent to the previous formula.



### **Spherical Model (Far Field Predictions)**

Spatially averaged plane-wave power densities in the Far Field of an antenna may be estimated by considering the additional factors of antenna gain and reflective waves that would contribute to exposure.

The radiation pattern of an antenna has developed in the Far Field region and the power gain needs to be considered in exposure predictions. Also, if the vertical radiation pattern of the antenna is considered, the exposure predictions would most likely be reduced significantly at ground level, resulting in a more realistic estimate of the actual exposure levels.

Additionally, to model a truly "worst case" prediction of exposure levels at or near a surface, such as at ground-level or on a rooftop, reflection off the surface of antenna radiation power can be assumed, resulting in a potential four-fold increase in power density.

These additional factors are considered, and the Far Field prediction model is determined by the following equation:

$$S = EIRP \times Rc \div 4\pi R^2$$

Where:

S = Power Density

EIRP = Effective Radiated Power from antenna

Rc = Reflection Coefficient (2.56)

R = Distance from the antenna

The EIRP includes the antenna gain. If the antenna pattern is considered, the antenna gain is relative based on the horizontal and vertical pattern gain values at that particular location in space, on a rooftop or on the ground. However, it is recommended that the antenna radiation pattern characteristics not be considered to provide a conservative "worst case" prediction. This is the equation is utilized for the Far Field exposure predictions herein.

# EXHIBIT 6



DOCKET NO. 44

AN APPLICATION SUBMITTED BY THE SOUTHERN : CONNECTICUT SITING  
NEW ENGLAND TELEPHONE COMPANY FOR A :  
CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY : COUNCIL  
AND PUBLIC NEED FOR THE CONSTRUCTION,  
MAINTENANCE AND OPERATION OF FACILITIES TO  
PROVIDE CELLULAR SERVICE IN NEW HAVEN COUNTY : July 24, 1984

D E C I S I O N A N D O R D E R

Pursuant to the foregoing opinion, the Council hereby directs that a certificate of environmental compatibility and public need as required by section 16-50k of the General Statutes of Connecticut, revisions of 1958, revised to 1983, as amended, be issued to the Southern New England Telephone Company for the construction, operation, and maintenance of a telecommunications tower and associated equipment to provide cellular service at each of the following sites:

Jasudowich tract, Brushy Plain Road, Branford, Connecticut;  
Town of Guilford tract, Tanner Marsh Road, Guilford, Connecticut;  
Bridgeport Avenue, Milford, Connecticut;  
Quagliaro tract, Farmdale Drive, Waterbury, Connecticut;  
Pease Road, Woodbridge, Connecticut; and  
Dwight Street, North Haven, Connecticut.

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

1. The towers including antennas shall be no taller than necessary to provide the proposed service and in no event shall exceed
  - a) 167' at the Branford site,
  - b) 167' at the Guilford site,
  - c) 117' at the Milford site,
  - d) 167' at the Waterbury site,
  - e) 167' at the Woodbridge site,
  - f) 167' at the North Haven site;
2. A fence not lower than eight feet shall surround each tower and its associated equipment;

3. The applicant or its successor shall notify the Council if and when directional antennas or any other equipment is added to any of these facilities;
4. The applicant or its successor shall permit, in accordance with representations made by it during the proceeding, public or private entities to share space on the facilities, for due consideration received, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing;
5. Unless necessary to comply with condition number six, below, no lights shall be installed on any of these towers;
6. The facilities shall be constructed in accordance with all applicable federal, state, and municipal laws and regulations;
7. The applicant shall submit a development and management plan (D&M) for the Branford, Milford, Woodbridge, and North Haven sites pursuant to sections 16-50j-85 through 16-50j-87 of the regulations of state agencies, except that irrelevant items in section 16-50j-86 need only be identified as such. The D&M plans shall include appropriate evergreen screening of the sites, erosion control measures, reseeding plans, and tree removal plans. The applicant shall comply with the reporting requirements of section 16-50j-87 for all sites;
8. Construction activities shall take place during daylight working hours;
9. This decision and order shall be void and the towers and associated equipment approved herein shall be dismantled and removed, or reapplication for any new use shall be made to the Connecticut

Siting Council before any such new use is made, if the towers do not provide or permanently cease to provide cellular service following completion of construction;

10. This decision and order shall be void if all construction authorized is not completed within three years of the issuance of this decision.

Pursuant to section 16-50p of the General Statutes, we hereby direct that a copy of the opinion and decision and order be served on each person listed below. A notice of the issuance shall be published in the Hartford Courant, New Haven Register, and the Waterbury Republican.

The parties to this proceeding are

The Southern New England Telephone Company (Applicant)  
Room 314  
227 Church Street  
New Haven, Connecticut 06506

ATTENTION: Mr. Peter J. Tyrrell (its attorney)  
Senior Attorney

Town of Hamden represented by:  
Peter F. Villano, Mayor  
Shirley Gonzales, Town Planner  
Mr. Hugh Manke, Esquire  
Office of the Town Attorney  
Memorial Town Hall  
2372 Whitney Avenue  
Hamden, Connecticut 06518

Inland Wetlands Agency represented by:  
Town of Woodbridge  
Robert J. Klancko  
Chairman  
Town Hall  
11 Meeting House Lane  
Woodbridge, Connecticut 06525

Town Plan and Zoning  
Commission  
Town of Woodbridge

represented by:

Norman Fineberg  
Chairman  
Town Hall  
11 Meeting House Lane  
Woodbridge, Connecticut 06525

The Honorable Peter M. Lerner  
State Representative  
State of Connecticut  
House of Representatives  
State Capitol  
Hartford, Connecticut 06115

John Menta  
Felicia Tencza

represented by:

Ms. Felicia Tencza  
580 Gaylord Mountain Road  
Hamden, Connecticut 06518

Ms. Renee Robinson  
265 Blue Trail  
Hamden, Connecticut 06518

(service waived)

Irene L. Wong  
Edson H. Mount  
Dr. & Mrs. H.M. Fiskio  
Dr. & Mrs. Alexander Gottschalk

represented by:

Dr. & Mrs. Alexander Gottschalk  
230 Six Rod Highway  
Hamden, Connecticut 06518

The Sleeping Giant Park Association

represented by:

Mr. Dag Pfeiffer  
President  
Box 14  
Quinnipiac College  
Hamden, Connecticut 06518

West Rock Ridge Park Association

represented by:

Mr. William L. Dohney, Jr., D.D.S.  
President  
220 Mountain Road  
Hamden, Connecticut 06514

Sierra Club

represented by:

Ms. M. Kim Yanoshick  
Executive Director  
Hartford Chapter  
118 Oak Street  
Hartford, Connecticut 06106

Quinnipiac College

represented by:

Mr. Richard A. Terry  
President  
Hamden, Connecticut 06518

Guilford Conservation Commission

represented by:

Ms. Carolyn K. Evans  
Chairman  
Town Hall  
Park Street  
Guilford, Connecticut 06437

Mrs. Barbara R. Peterson  
Mary & Phil Faust  
Anita L. & Richard M. Sullivan

represented by:

Anita L. & Richard M. Sullivan  
315 Chestnut Lane  
Hamden, Connecticut 06518

Mrs. Pauline H. Hoff

represented by:

Herbert L. Emanuelson, Jr.  
Emanuelson and Wynne  
205 Church Street  
New Haven, Connecticut 06510

Hamden League of Women Voters

represented by:

Mrs. Sherrill Zoller  
605 West Woods Road  
Hamden, Connecticut 06518  
(service waived)

Joan Rosenberg  
230 Ridewood Avenue  
Hamden, Connecticut 06517

Mr. & Mrs. Richard Sykes  
110 Blue Trail  
Hamden, Connecticut 06518

Thomas & Claudia Sullivan, Jr.  
100 Blue Trail  
Hamden, Connecticut 06518

Mr. William N. Pantalone  
27 Pease Road  
Woodbridge, Connecticut 06525

(service waived)



INTERVENORS

Metromedia TeleCommunications  
Nutmeg Telecommunications, Inc.  
CSI of New Haven  
CSI of Stamford  
Cellular Communications, Inc.  
LIN Cellular Corp.  
Cellular Mobile Services  
Maxcell TeleCommunications, Inc.  
Mobile Cellular Telephone, Inc.  
Cellular Dynamics  
Connecticut Corridor Cellular  
Chase/Post Cellular

represented by:

Dwight A. Johnson  
Murtha, Cullina, Richter  
and Pinney  
101 Pearl Street  
P.O. Box 3197  
Hartford, Connecticut 06103-0197

C E R T I F I C A T I O N

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case or read the record thereof, and that we voted as follows:

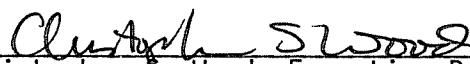
Dated at New Britain, Connecticut, this 24th day of July, 1984.

| <u>Council Members</u>  | <u>Vote Cast</u>                         |
|---|--|
| _____)<br>Gloria Dibble Pond<br>Chairperson   | Absent                                   |
| _____)<br>Commissioner John Downey<br>Designee: Commissioner Peter G. Boucher         | Absent                                   |
| <i>Brian Emerick</i><br>_____)<br>Commissioner Stanley Pac<br>Designee: Brian Emerick | <del>Yes</del> Absent <del>Abstain</del> |
| <i>Owen L. Clark</i><br>_____)<br>Owen L. Clark                                       | Yes                                      |
| <i>Fred J. Doocy</i><br>_____)<br>Fred J. Doocy                                       | Yes                                      |
| <i>Mortimer A. Gelston</i><br>_____)<br>Mortimer A. Gelston                           | Yes                                      |
| <i>James G. Horsfall</i><br>_____)<br>James G. Horsfall                               | Yes                                      |
| _____)<br>Janet Sitty   | Absent                                   |
| <i>Colin C. Tait</i><br>_____)<br>Colin C. Tait<br>Acting Chairperson                 | Yes                                      |

STATE OF CONNECTICUT            )  
  :  
COUNTY OF HARTFORD            )        ss.        New Britain, July 24, 1984

I hereby certify that the foregoing is a true and correct copy of the decision and order issued by the Connecticut Siting Council, State of Connecticut.

ATTEST:

  
\_\_\_\_\_  
Christopher S. Wood, Executive Director  
Connecticut Siting Council

# EXHIBIT 7





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**Delivery Time:** 12:22 PM

**Signed by:** DONNA

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| <b>Ship To:</b>            | AMERICAN TOWER<br>10 PRESIDENTIAL WAY<br>WOBURN, MA 018011053<br>US |
| <b>Number of Packages:</b> | 1   |
| <b>UPS Service:</b>        | UPS Ground  |
| <b>Package Weight:</b>     | 1.0 LBS   |
| <b>Reference Number:</b>   | 14568540  |

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**Signed by:** OFFICE

**CENTERLINE SITE ACQUISITION**

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|----------------------------|---|
| <b>Tracking Number:</b>    | <a href="#"><b>1Z9Y45030306538280</b></a>                               |
| <b>Ship To:</b>            | MICHAEL J. FREDA<br>18 CHURCH STREET<br>NORTH HAVEN, CT 064732503<br>US |
| <b>Number of Packages:</b> | 1   |
| <b>UPS Service:</b>        | UPS Ground  |
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Thu 1/11/2024 1:32 PM

To: Barbara Kassabian <bkassabian@clinellc.com>



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**Signed by:** LIN

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| <b>Ship To:</b>            | LAURA MAGARACI<br>5 LINSLEY STREET<br>ANNEX BUILDING, LAND USE OFFICE<br>NORTH HAVEN, CT 064732505<br>US |
| <b>Number of Packages:</b> | 1  |
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| <b>Package Weight:</b>     | 1.0 LBS  |
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UPS <pkginfo@ups.com>

Wed 1/10/2024 1:19 PM

To: Barbara Kassabian <bkassabian@clinellc.com>

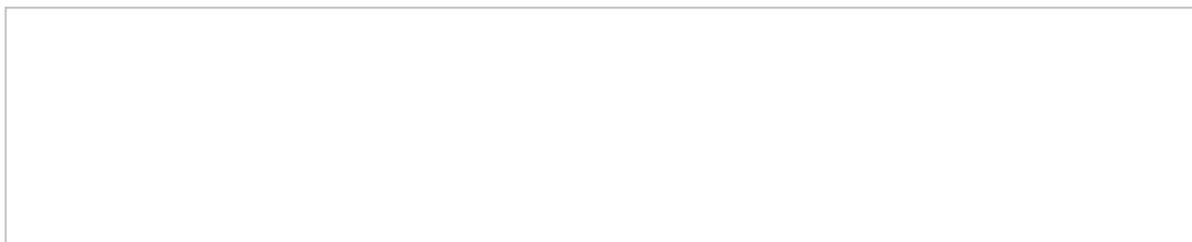


**Hello, your package has been delivered.**

**Delivery Date:** Wednesday, 01/10/2024

**Delivery Time:** 1:18 PM

**Left At:** OTHER-RELEAS



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|                            |  |
|----------------------------|--|
| <b>Tracking Number:</b>    | <a href="#">1Z9Y45030321704197</a>   |
| <b>Ship To:</b>            | 15 DWIGHT STREET LLC<br>11 SAGAMORE TERRACE SOUTH<br>WESTBROOK, CT 064982127<br>US |
| <b>Number of Packages:</b> | 1  |
| <b>UPS Service:</b>        | UPS Ground   |
| <b>Package Weight:</b>     | 1.0 LBS  |
| <b>Reference Number:</b>   | 14568540   |

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