

KENNETH C. BALDWIN

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Also admitted in Massachusetts
and New York

August 6, 2021

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification
Danbury Hospital, 24 Hospital Avenue, Danbury, Connecticut**

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains an existing wireless telecommunications facility at the above-referenced address (the “Property”). The facility consists of antennas and remote radio heads on the roof of Danbury Hospital. Equipment associated with the antennas is located inside the building. Cellco’s existing facility was approved by the Council in September 1987 (Docket No 79). A copy of the Council’s Docket No. 79 Decision and Order is included in Attachment 1.

Cellco now intends to modify its facility by installing three (3) Samsung 64T64RMMU antennas on the existing roof-top mounts. Included in Attachment 2 is a set of project plans and new antennas specifications.

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

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

Melanie A. Bachman, Esq.
August 6, 2021
Page 2

1. The proposed modifications will not result in an increase in the height of the existing mounts.
2. The proposed modifications will occur on the roof of the building and will not require the extension of the site boundary.
3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The installation of Cellco's new antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative Power Density table for the modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. According to the attached Structural Analysis Letter (SA) and Mount Analysis (MA) which also includes analysis of the host building, the existing Danbury Hospital building and antenna mounting devices, with certain modifications, can support Cellco's proposed modifications. A copy of the SA and MA are included in Attachment 4. Also included in Attachment 4 is a separate letter prepared by the consulting engineer responsible for the preparation of the MA verifying that the antenna model described in the MA, as a Licensed-Sub6 Antenna or VZS01 Antenna, is the Samsung 64T64R model antenna.

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

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

Melanie A. Bachman, Esq.
August 6, 2021
Page 3

Sincerely,

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

Kenneth C. Baldwin

Enclosures

Copy to:

Joseph M. Cavo, Danbury Mayor
Sharon Calitro, AICP, Danbury Director Planning and Zoning
Danbury Hospital, Property Owner
Karla Hanna

ATTACHMENT 1

DOCKET NO. 79

AN APPLICATION OF METRO MOBILE CTS OF : CONNECTICUT SITING
FAIRFIELD COUNTY, INC., FOR A CERTIFICATE OF : COUNCIL
ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED
FOR CELLULAR TELEPHONE ANTENNAS AND ASSOCIATED :
EQUIPMENT IN THE CITY OF DANBURY, CONNECTICUT. : SEPTEMBER 10, 1987

DECISION AND ORDER

Pursuant to the foregoing opinion, the Connecticut Siting Council hereby directs that a Certificate of Environmental Compatibility and Public Need, as provided by Section 16-50k of the General Statutes of Connecticut (CGS), be issued to Metro Mobile CTS of Fairfield County, Inc., for the construction, operation, and maintenance of cellular mobile telephone antennas in the City of Danbury, Connecticut.

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

1. The facility shall be constructed in accordance with all applicable federal, state, and municipal laws and regulations.
2. The Certificate holder shall notify the Federal Aviation Administration of its intention to mount antennas on the Danbury Hospital, and provide it the opportunity to comment prior to initiation of construction. A copy of the notification to the Federal Aviation Administration shall be sent to the City of Danbury's Airport Administrator.

3. The Certificate holder or its successor shall notify the Council if and when directional antennas or any equipment other than that listed in this application is added to this facility.
4. If this facility does not provide or permanently ceases to provide cellular service following completion of construction, this Decision and Order shall be void, and the antennas and all associated equipment in this application shall be dismantled and removed or reapplication for any new use shall be made to the Council before any such new use is made.
5. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the issuance of this Decision and Order, or within three years of the completion of any appeal taken in this Decision.
6. The certificate holder shall comply with any future radio frequency (RF) standards promulgated by state or federal regulatory agencies. Upon the establishment of any new governmental RF standards, the facility granted in this Decision shall be brought into compliance with such standards.

Pursuant to CGS Section 16-50p, we hereby direct that a copy of this Decision and Order be served on each person listed below. A notice of the issuance shall be published in the Danbury News-Times.

The parties to the proceeding are:

Metro Mobile CTS of (applicant)
Fairfield County, Inc.
50 Rockland Road
South Norwalk, CT 06854
Attn: Peter Kelley, Vice President

Howard L. Slater, Esq. (its representatives)
Jennifer Young Gaudet, Esq.
Byrne, Slater, Sandler,
Shulman & Rouse, P.C.
330 Main Street
PO Box 3216
Hartford, CT 06103

Fleischman and Walsh, P.C.
1725 N Street, N.W.
Washington, DC 20036
Attn: Richard Rubin, Esq.
Jonathan Cohen, Esq.

SNET Cellular, Inc. (intervenor)
c/o Peter J. Tyrrell
Senior Attorney
227 Church Street
New Haven, CT 06506

0198E

CERTIFICATION

The undersigned members of the Connecticut Siting Council hereby certify that they have heard the case in Docket 79 or read the record thereof, and that we voted as follows:

Dated at New Britain, Connecticut the 10th day of September, 1987.

| <u>Council Members</u> | <u>Vote Cast</u> |
|---|------------------|
| <u>Gloria Dibble Pond</u> Gloria Dibble Pond Chairperson | Yes |
| <u>Kathy A. Geppert</u> Commissioner Peter Boucher Designee: Kathy A. Geppert | Yes |
| <u>Commissioner Leslie Carothers</u> Designee: Brian Emerick | Absent |
| <u>Owen L. Clark</u> Owen L. Clark | Yes |
| <u>Fred J. Doocy</u> Fred J. Doocy | Yes |
| <u>Mortimer A. Gelston</u> Mortimer A. Gelston | Yes |
| <u>James G. Horsfall</u> James G. Horsfall | Yes |
| <u>William H. Smith</u> William H. Smith | Yes |
| <u>Colin C. Tait</u> Colin C. Tait | Yes |

ATTACHMENT 2



DANBURY CT

24 HOSPITAL AVENUE
DANBURY, CT 06810

FUZE PROJECT ID: 16234293

PSLC: 468092



VERIZON WIRELESS
118 FLANDERS ROAD
WESTBOROUGH, MA 01581-3956

DANBURY CT

CONSTRUCTION DRAWINGS

| NO. | DATE | DESCRIPTION |
|-----|----------|---------------|
| 3 | 07/20/21 | FOR SUBMITTAL |
| 2 | 06/15/21 | FOR SUBMITTAL |
| 1 | 04/30/21 | FOR SUBMITTAL |
| 0 | 03/10/21 | FOR SUBMITTAL |



Dewberry Engineers Inc.
99 SUMMER ST
SUITE 700
BOSTON, MA 02110
PHONE: 617.596.3400
FAX: 617.596.3310



ENGINEER
DEWBERRY ENGINEERS INC.
99 SUMMER ST.
SUITE 700
BOSTON, MA 02110
PHONE # (617) 531-0800
CONTACT: BENJAMIN REVETTE, PE

CONSTRUCTION
VERIZON WIRELESS
118 FLANDERS ROAD
WESTBOROUGH, MA 01581-3956

COORDINATES*:
LATITUDE: 41° 24' 19.9" N
LONGITUDE: 73° 26' 44.7" W
*PER RFDS / FAA-2C SURVEY

GROUND ELEVATION*:
497.6'±
*PER FAA-2C SURVEY

PROJECT INFORMATION

PMI ACCESSED AT: [HTTPS://FMLVZVSMART.COM](https://fmlvzvwsmart.com)

SMART TOOL VENDOR: 10038458 & 10038453
PROJECT NUMBER: 468092
VZW LOCATION CODE (PSLC): 468092
FUZE NUMBER: 16234293

PMI AND REQUIREMENTS ALSO IMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED? YES

VZW APPROVED SMART KIT VENDORS

REFER TO MOUNT MODIFICATION DRAWINGS PAGE FOR VZW SMART KIT APPROVED VENDORS

MOUNT MODIFICATION: PROJECT #10038458 & 10038453
DRAWINGS: DATED 04/12/2021

CONTRACTOR PMI REQUIREMENTS

THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS SITE CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERTAIN. REUSE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.

A.D.A. COMPLIANCE:
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION.

MODIFY EXISTING ANTENNA FRAMES IN ACCORDANCE WITH MOUNT MODIFICATION DRAWINGS BY MASER CONSULTING DATED 03/23/21.

INSTALL (3) NEW M16407-77A ANTENNAS WITH INTEGRATED RRHS ON EXISTING MOUNTING PIPES.

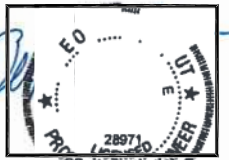
INSTALL NEW JUMPER CABLES AS REQUIRED BY RFDS.

NOTE:
1. SCOPE OF WORK BASED ON ANTENNA REC FOR "DANBURY_CT" DATED 11/11/20. VERIFY SCOPE OF WORK WITH FINAL RFDS PRIOR TO CONSTRUCTION.

SCOPE OF WORK

| SHT. NO. | DESCRIPTION |
|----------|---|
| T-1 | TITLE SHEET |
| GN-1 | GENERAL NOTES |
| C-1 | ROOF PLAN |
| C-2 | NORTH ELEVATION |
| C-3 | EXISTING & PROPOSED ANTENNA PLANS |
| C-4 | CONSTRUCTION DETAILS |
| C-5 | SMART TOOL SECTOR PLANS & ELEVATION DETAILS |

SHEET INDEX



DRAWN BY: JG
REVIEWED BY: CDH
CHECKED BY: BBR
PROJECT NUMBER: 50121487
JOB NUMBER: 50121887
SITE NUMBER:

468092

SITE ADDRESS

24 HOSPITAL AVENUE
DANBURY, CT 06810

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1

GENERAL CONSTRUCTION NOTES :

- ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, AND COMPLY WITH VERIZON WIRELESS SPECIFICATIONS.
- CONTRACTOR SHALL CONTACT "DIG SAFE" (888-344-7233) FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
- 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.
- DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
- DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
- THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
- CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
- INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE OWNER PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING.
- EACH CONTRACTOR SHALL COOPERATE WITH THE OWNER'S REPRESENTATIVE, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
- CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE VERIZON WIRELESS CONSTRUCTION MANAGER.
- ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
- WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR WILL NOTIFY ENGINEER, VERIZON WIRELESS PROJECT CONSTRUCTION MANAGER, AND LANDLORD IMMEDIATELY.
- CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
- ALL ROOF WORK SHALL BE DONE BY A QUALIFIED AND EXPERIENCED ROOFING CONTRACTOR IN COORDINATION WITH ANY CONTRACTOR WARRANTING THE ROOF TO ENSURE THAT THE WARRANTY IS MAINTAINED.
- CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
- CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH LANDLORD AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
- CONTRACTOR SHALL FURNISH VERIZON WIRELESS WITH THREE AS-BUILT SETS OF DRAWINGS UPON COMPLETION OF WORK.
- ANTENNAS AND CABLES ARE TYPICALLY PROVIDED BY VERIZON WIRELESS. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH PROJECT MANAGER TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED BY VERIZON WIRELESS. ALL ITEMS NOT PROVIDED BY VERIZON WIRELESS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED BY VERIZON WIRELESS.
- PRIOR TO SUBMISSION OF BID, CONTRACTOR WILL COORDINATE WITH VERIZON WIRELESS PROJECT MANAGER TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY VERIZON WIRELESS. ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON WIRELESS MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
- GENERAL CONTRACTOR SHALL HAVE A LICENSED HVAC CONTRACTOR START THE HVAC UNITS, SYNCHRONIZE THE THERMOSTATS, ADJUST ALL SETTINGS ON EACH UNIT ACCORDING TO VERIZON WIRELESS CONSTRUCTION MANAGER'S SPECIFICATIONS AND THOROUGHLY TEST AND BALANCE EACH UNIT TO ENSURE PROPER OPERATION PRIOR TO TURNING THE SITE OVER TO OWNER.
- CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON WIRELESS SPECIFICATIONS AND REQUIREMENTS.
- CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- UNLESS OTHERWISE NOTED VERIZON WIRELESS SHALL PROVIDE ALL REQUIRED RF MATERIAL FOR CONTRACTOR TO INSTALL, INCLUDING ANTENNAS, TMA'S, BIAS-T'S, COMBINERS, PDU, DC BLOCKS, SURGE ARRESTORS, GPS ANTENNA, GPS SURGE ARRESTOR, COAXIAL CABLE.
- PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL VERIFY ALL EQUIPMENT TO BE PROVIDED BY VERIZON WIRELESS FOR INSTALLATION BY CONTRACTOR.
- ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON WIRELESS SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
- DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
- 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.
- CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE PRIOR TO CONSTRUCTION START, MORE SPECIFICALLY BEFORE SEALING ANY FLOOR WALL, OR ROOF PENETRATION, FINAL UTILITY CONNECTIONS, POURING CONCRETE, BACKFILLING UTILITY TRENCHES AND STRUCTURAL POST OR MOUNTING CONNECTIONS, FOR ENGINEERING REVIEW AND INSPECTION.
- SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH UL LISTED D FIRE CODE APPROVED MATERIALS.
- REPAIR ANY DAMAGE DURING CONSTRUCTION TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE CONSTRUCTION MANAGER AND LANDLORD.
- ALL DISRUPTIVE WORK AND WORK WITHIN TENANT SPACES TO BE COORDINATED WITH BUILDING REPRESENTATIVE.

CODE SPECIFICATIONS:

- ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:
 2018 CONNECTICUT STATE BUILDING CODE WITH THE FOLLOWING APPLICABLE CODES:
 2015 INTERNATIONAL RESIDENTIAL CODE (IRC)
 2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
 2017 INTERNATIONAL BUILDING CODE (IBC)
 2015 INTERNATIONAL MECHANICAL CODE (IMC)
 2017 NATIONAL ELECTRICAL CODE (NEC) (NFPA 70)
 2015 INTERNATIONAL PLUMBING CODE (IPC)
 2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
 IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.
- ALL STRUCTURAL WORK TO BE DONE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL, 13TH EDITION (AISC 13TH ED.)
- ALL CONCRETE WORK TO BE DONE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE (ACI 301) SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 318) AND BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
- ALL REINFORCING STEEL WORK TO BE DONE IN ACCORDANCE WITH THE (ACI 315) MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.

GROUNDING NOTES:

- GROUNDING SHALL COMPLY WITH NEC ART. 250.
- GROUNDING CONDUCTORS SHALL BE #6 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR INDOOR USE.
- ALL GROUND CONNECTIONS TO BE BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.
- ROUTE GROUNDING CONNECTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NOT BE BENT AT RIGHT ANGLE. ALWAYS MAKE 12" RADIUS BENDS. #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY.
- CONNECTIONS TO GROUNDING BAR SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS. APPLY OXIDE INHIBITING COMPOUND TO ALL LOCATIONS.
- TEST COMPLETED GROUNDING SYSTEM AND RECORD RESISTANCE VALUES FOR PROJECT CLOSE-OUT DOCUMENTATION. GROUND RESISTANCE SHALL NOT EXCEED 5 OHMS.
- GROUNDING CONDUCTORS BETWEEN MGB AND WATERMAIN SHALL BE #2/0 BONDING JUMPERS FROM METALLIC SURFACES SHALL BE #2 MINIMUM. ALL GROUND CONDUCTORS AND BONDING JUMPERS SHALL BE SOFT DRAWN ANNEALED, TINNED, BARE STRANDED COPPER WIRE. COAXIAL CABLES SHALL BE GROUNDING AT A MINIMUM OF TWO LOCATIONS USING VERIZON PROVIDED GROUNDING KITS. EXACT LOCATIONS SHALL BE FINALIZED IN THE FIELD BY THE CONSTRUCTION MANAGER.

STRUCTURAL STEEL NOTES:

- STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS"
- STRUCTURAL STEEL ROLLED SHAPES, PLATES, AND BARS SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS:
 ASTM A-992, GRADE 50 ALL W SHAPES, UNLESS NOTED OR A992 OTHERWISE.
 ASTM A-36 ALL OTHER ROLLED SHAPES, PLATES AND BARS UNLESS NOTED OTHERWISE.
 ASTM A-500, GRADE B HSS SECTION (SQUARE, RECTANGULAR, ROUND)
 ASTM A-325, TYPE SC OR N, ALL BOLTS FOR CONNECTING STRUCTURAL MEMBERS.
 F1554, GRADE 36 ALL ANCHORS BOLTS, UNLESS NOTED OTHERWISE.
 ASTM A-53, GRADE B STEEL PIPE
- ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND AWS D1.1 WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION", 14TH EDITION. WHERE WELD LENGTH IS NOT INDICATED, USE FULL LENGTH WELD. AT THE COMPLETION OF ALL WELDING, ALL DAMAGE TO GALVANIZED COATING SHALL BE REPAIRED.
- BOLTED CONNECTIONS SHALL USE BEARING TYPE GALVANIZED ASTM A325 BOLTS (3/4" DIA.) SUPPLIED WITH A NUT AND WASHER UNDER TURNED END AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
- DO NOT DRILL HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
- NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIA. GALVANIZED ASTM A 307 BOLTS UNLESS NOTED OTHERWISE.
- USE PRECAUTIONS & PROCEDURES PER AWS D1.1 WHEN WELDING GALVANIZED METALS.
- ALL EXISTING BEAM AND COLUMN DIMENSIONS SHALL BE FIELD VERIFY BY CONTRACTOR PRIOR TO FABRICATION. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THOSE SHOWN SHALL BE REPORTED TO DEWBERRY ENGINEER IMMEDIATELY.
- CONNECTION DESIGN BY FABRICATOR WILL BE SUBJECT TO REVIEW AND APPROVAL BY ENGINEER.
- ALL EXTERIOR STEEL WORK SHALL BE GALVANIZED IN ACCORDANCE WITH SPECIFICATION ASTM A123/A123M--00 HOT-DIP GALVANIZED FINISH UNLESS OTHERWISE NOTED. GALVANIZING SHALL BE PERFORMED AFTER SHOP FABRICATION TO THE GREATEST EXTENT POSSIBLE. ALL DINGS, SCRAPES, MARKS, AND WELLS IN THE GALVANIZED AREAS SHALL BE REPAIRED. REPAIR DAMAGED GALVANIZED COATINGS ON GALVANIZED ITEMS WITH GALVANIZED REPAIR PAINT ACCORDING TO ASTM A780 AND MANUFACTURER'S WRITTEN INSTRUCTIONS. PRIOR TO COMPLETION OF WORK, TOUCHUP ALL DAMAGED GALVANIZED STEEL WITH APPROVED COLD ZINC, "GALVANOX", "DRY GALV", "ZINC-IT", OR APPROVED EQUIVALENT, IN ACCORDANCE WITH MANUFACTURERS GUIDELINES. TOUCHUP DAMAGED NON GALVANIZED STEEL WITH SAME PAINT APPLIED IN SHOP OR FIELD.
- ALL WELDED COMPONENTS TO BE SHOP WELDED PRIOR TO INSTALLATION. NO WELDING ACTIVITIES IS PERMITTED DURING INSTALLATION OF PROPOSED EQUIPMENTS AND/OR HARDWARE ON SITE.



VERIZON WIRELESS
118 FLANDERS ROAD
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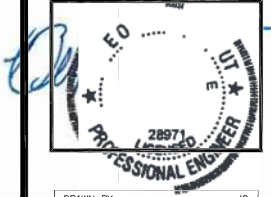
DANBURY CT

CONSTRUCTION DRAWINGS

| | | |
|---|----------|---------------|
| 3 | 07/20/21 | FOR SUBMITTAL |
| 2 | 06/15/21 | FOR SUBMITTAL |
| 1 | 04/30/21 | FOR SUBMITTAL |
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99 SUMMER ST
SUITE 700
BOSTON, MA 02110
PHONE: 617.696.3400
FAX: 617.696.3310



| | |
|-----------------|----------|
| DRAWN BY: | JG |
| REVIEWED BY: | CDH |
| CHECKED BY: | BBR |
| PROJECT NUMBER: | 50121487 |
| JOB NUMBER: | 50121887 |
| SITE NUMBER: | |

468092
SITE ADDRESS

24 HOSPITAL AVENUE
DANBURY, CT 06810

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-1



VERIZON WIRELESS
118 FLANDERS ROAD
WESTBOROUGH, MA 01581-3956

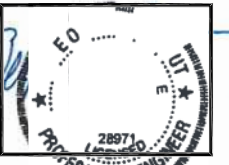
DANBURY CT

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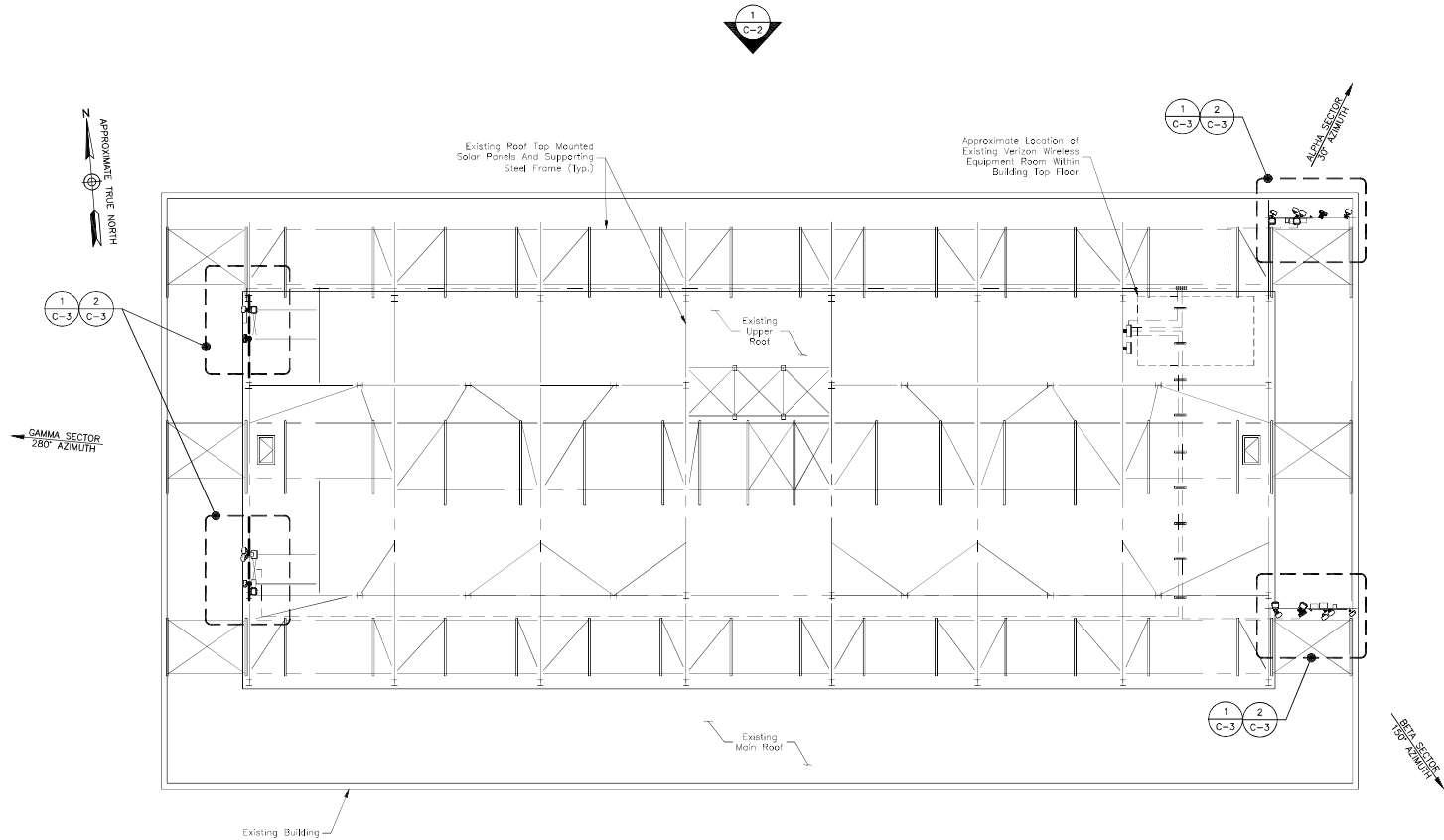
24 HOSPITAL AVENUE
DANBURY, CT 06810

SHEET TITLE

ROOF PLAN

SHEET NUMBER

C-1

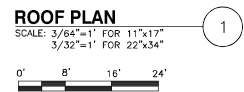


1
C-2

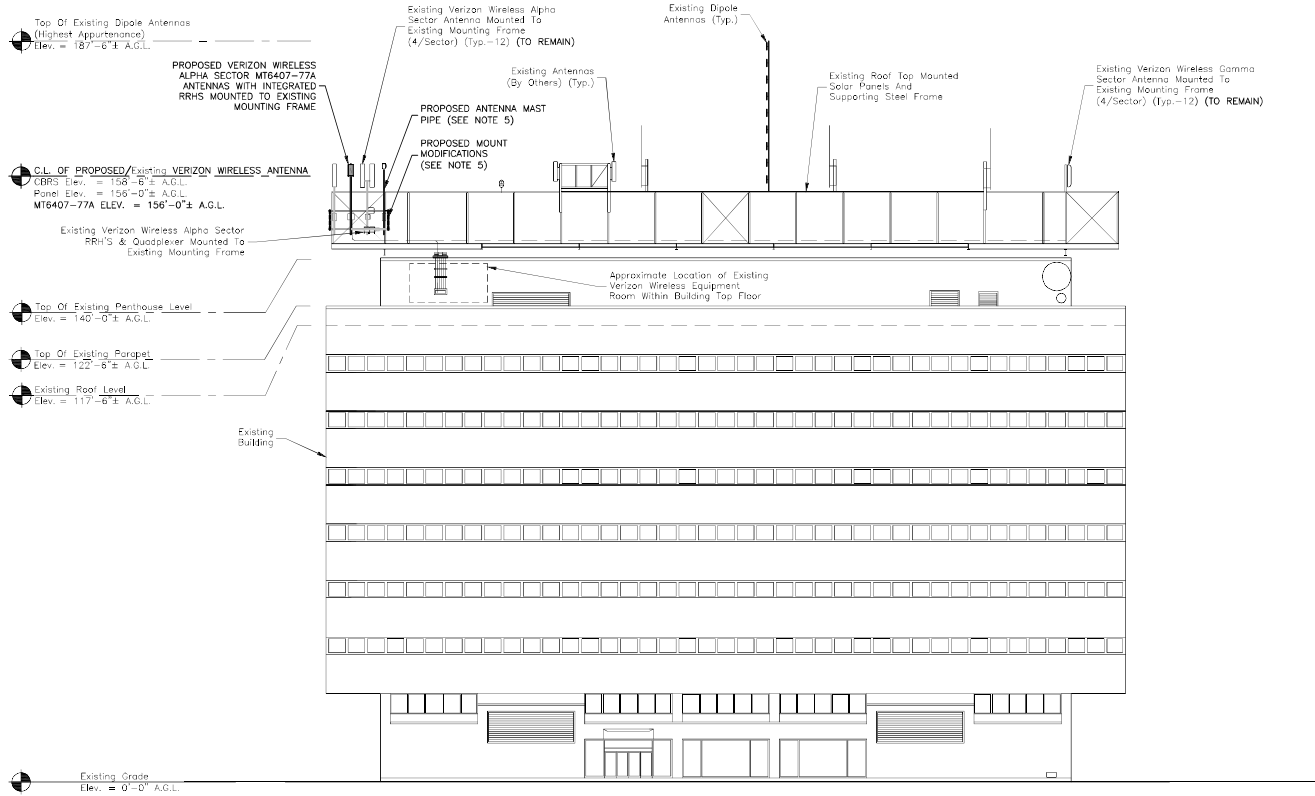
1 2
C-3 C-3

1 2
C-3 C-3

1 2
C-3 C-3



- NOTES:**
1. NORTH SHOWN AS APPROXIMATE.
 2. SOME EXISTING AND PROPOSED INFORMATION NOT SHOWN FOR CLARITY.
 3. SITE PLAN & ELEVATION BASED ON A SITE VISIT BY DEWBERRY ENGINEERS INC. ON 10/09/19.
 4. EXISTING ANTENNAS SHOWN AS APPROXIMATE. ELEVATION BASED ON EXISTING INFORMATION AND VISUAL INSPECTION AND HAVE NOT BEEN VERIFIED THROUGH AN ANTENNA MAPPING.
 5. MOUNT ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS & IN ACCORDANCE WITH MOUNT ANALYSIS: SMART TOOL # 10036458 & 10336453, MASER PROJECT # 20777270A, FUZE # 16234263BY MASER CONSULTING P.A. DATED 04/12/21, MONT MOD DRAWINGS BY MASER CONSULTING P.A. DATED 04/12/21 & STRUCTURAL ASSESSMENT BY DEWBERRY ENGINEERS INC. DATED 04/28/21.
 6. REUSE EXISTING ANTENNA MOUNTS AND COAX. INSPECT FOR DAMAGE OR DECAY AND REPLACE AS NEEDED PER STRUCTURAL ANALYSIS.
 7. THIS PROJECT ASSUMES THAT THE SCOPE OF WORK DETAILED ON THE REV 0, CONSTRUCTION DRAWINGS BY DEWBERRY ENGINEERS INC. DATED 11/04/19 HAS BEEN COMPLETED IN ACCORDANCE TO THE PLANS. CONTRACTOR TO NOTIFY THE VERIZON WIRELESS CM & DEWBERRY ENGINEERS INC. OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.



- NOTES:**
1. NORTH SHOWN AS APPROXIMATE.
 2. SOME EXISTING AND PROPOSED INFORMATION NOT SHOWN FOR CLARITY.
 3. SITE PLAN & ELEVATION BASED ON A SITE VISIT BY DEWBERRY ENGINEERS INC. ON 10/09/19.
 4. EXISTING ANTENNAS SHOWN AS APPROXIMATE. ELEVATION BASED ON EXISTING INFORMATION AND VISUAL INSPECTION AND HAVE NOT BEEN VERIFIED THROUGH AN ANTENNA MAPPING.
 5. MOUNT ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS & IN ACCORDANCE WITH MOUNT ANALYSIS: SMART TOOL # 10038458 & 10338453, MASER PROJECT # 20777270A, FUZE # 16234293BY MASER CONSULTING P.A. DATED 04/12/21, MOUNT MOD DRAWINGS BY MASER CONSULTING P.A. DATED 04/12/21 & STRUCTURAL ASSESSMENT BY DEWBERRY ENGINEERS INC. DATED 04/28/21.
 6. REUSE EXISTING ANTENNA MOUNTS AND COAX. INSPECT FOR DAMAGE OR DECAY AND REPLACE AS NEEDED PER STRUCTURAL ANALYSIS.
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NORTH ELEVATION ①
 SCALE: 1/32"=1' FOR 11"x17"
 1/16"=1' FOR 22"x34"

DANBURY CT

CONSTRUCTION DRAWINGS

| | | |
|---|----------|---------------|
| 3 | 07/20/21 | FOR SUBMITTAL |
| 2 | 06/15/21 | FOR SUBMITTAL |
| 1 | 04/30/21 | FOR SUBMITTAL |
| 0 | 03/10/21 | FOR SUBMITTAL |

Dewberry
 Dewberry Engineers Inc.
 99 SUMMER ST.
 SUITE 700
 BOSTON, MA 02110
 PHONE: 617.696.3400
 FAX: 617.696.3310



| | |
|-----------------|----------|
| DRAWN BY: | JG |
| REVIEWED BY: | CDH |
| CHECKED BY: | BBR |
| PROJECT NUMBER: | 50121487 |
| JOB NUMBER: | 50121887 |
| SITE NUMBER: | |

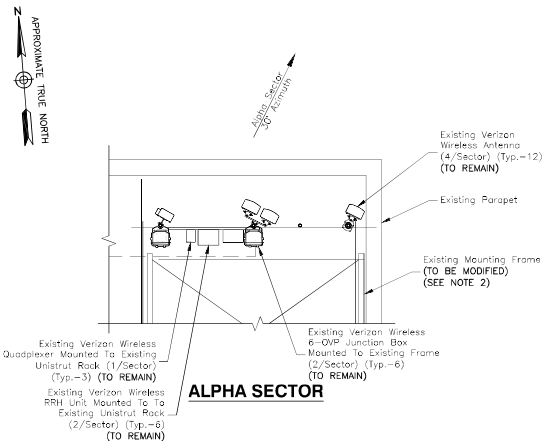
468092
 SITE ADDRESS

24 HOSPITAL AVENUE
 DANBURY, CT 06810

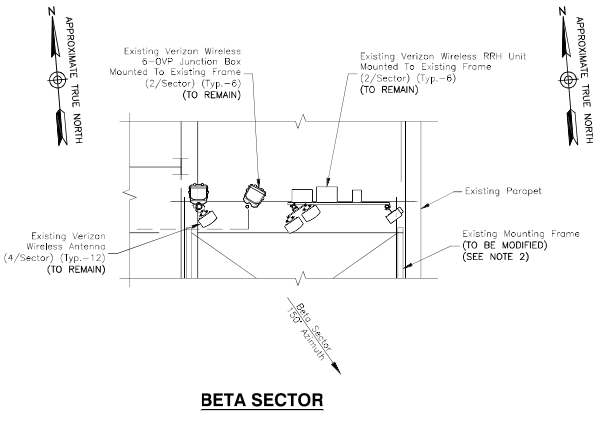
SHEET TITLE

NORTH ELEVATION

SHEET NUMBER



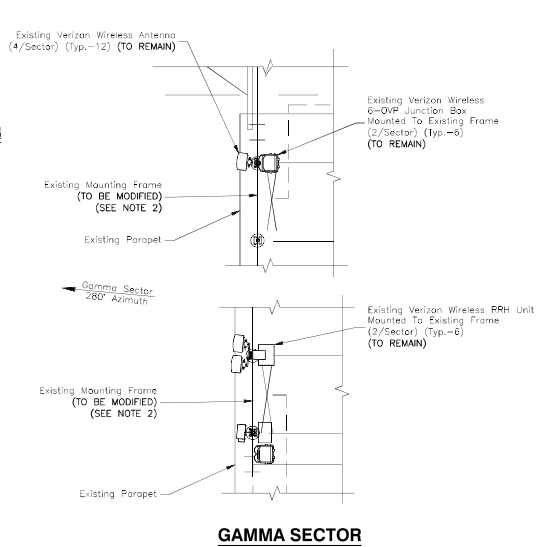
ALPHA SECTOR



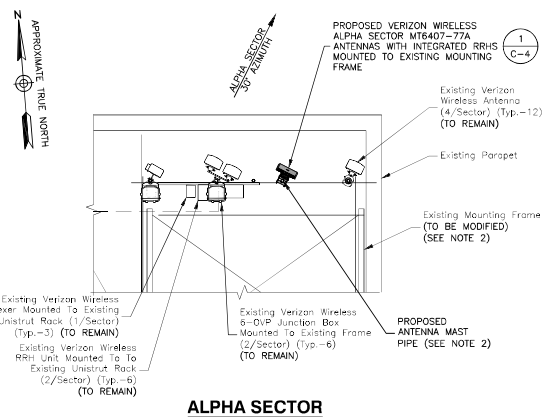
BETA SECTOR

EXISTING ANTENNA PLAN
SCALE: N.T.S.

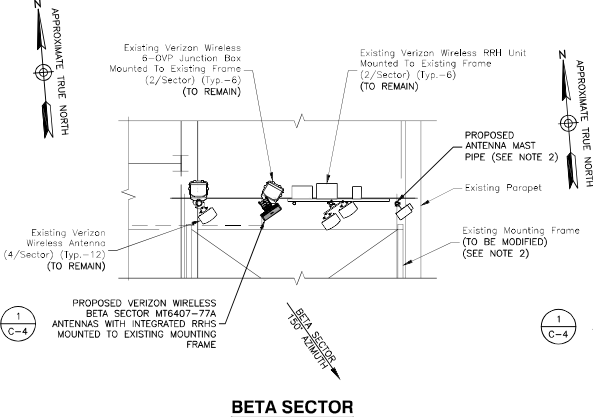
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GAMMA SECTOR



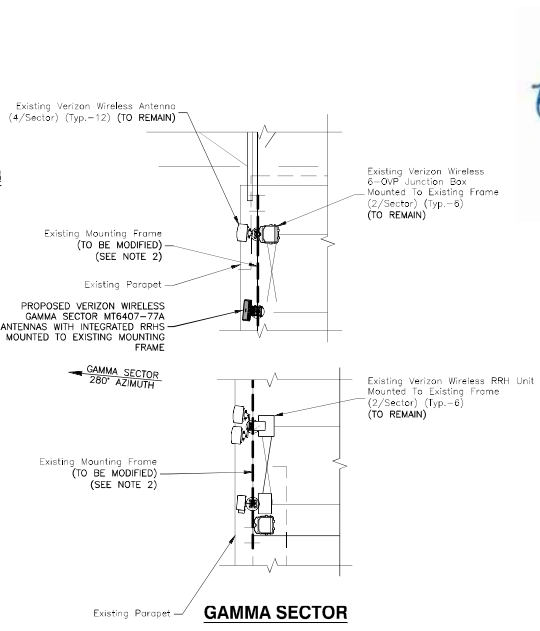
ALPHA SECTOR



BETA SECTOR

PROPOSED ANTENNA PLAN
SCALE: N.T.S.

2



GAMMA SECTOR

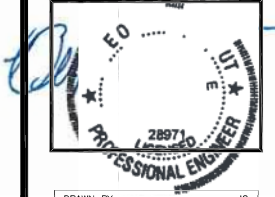
- NOTES:**
1. NORTH SHOWN AS APPROXIMATE.
 2. MOUNT ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS & IN ACCORDANCE WITH MOUNT ANALYSIS: SMART TOOL # 10038458 & 10338453, MASER PROJECT # 20777270A, FUZE # 16234293BY MASER CONSULTING P.A. DATED 04/12/21, MONT MOD DRAWINGS BY MASER CONSULTING P.A. DATED 04/12/21 & STRUCTURAL ASSESSMENT BY DEWBERRY ENGINEERS INC. DATED 04/28/21.
 3. THIS PROJECT ASSUMES THAT THE SCOPE OF WORK DETAILED ON THE REV 0 CONSTRUCTION DRAWINGS BY DEWBERRY ENGINEERS INC. DATED 11/04/19 HAS BEEN COMPLETED IN ACCORDANCE TO THE PLANS. CONTRACTOR TO NOTIFY THE VERIZON WIRELESS CM & DEWBERRY ENGINEERS INC. OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.



DANBURY CT

CONSTRUCTION DRAWINGS

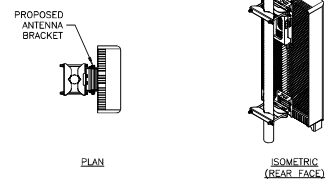
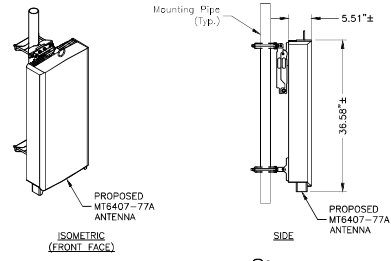
| | | |
|---|----------|---------------|
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| 2 | 06/15/21 | FOR SUBMITTAL |
| 1 | 04/30/21 | FOR SUBMITTAL |
| 0 | 03/10/21 | FOR SUBMITTAL |



DRAWN BY: JG
 REVIEWED BY: CDH
 CHECKED BY: BBR
 PROJECT NUMBER: 50121487
 JOB NUMBER: 50121887
 SITE NUMBER:

468092
 SITE ADDRESS
 24 HOSPITAL AVENUE
 DANBURY, CT 06810
 SHEET TITLE
 EXISTING & PROPOSED
 ANTENNA PLANS
 SHEET NUMBER

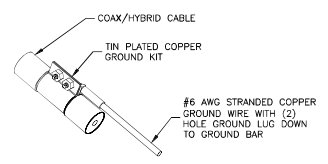
C-3



| | |
|-------------|--|
| MODEL: | MT6407-77A |
| DIMENSIONS: | 35.1"H X 16.1"W X 5.5"D (NOT TO EXCEED) |
| WEIGHT: | 87.1 LBS (NOT TO EXCEED) |

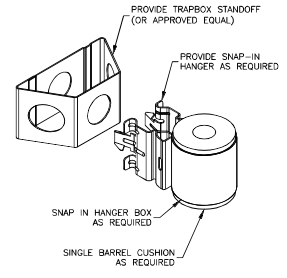
- NOTES:
1. INSTALL ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. USE APPROPRIATE MOUNTING HARDWARE FOR CONSTRUCTION TYPE.

PIPE MOUNTED ANTENNA DETAIL 1
SCALE: N.T.S.

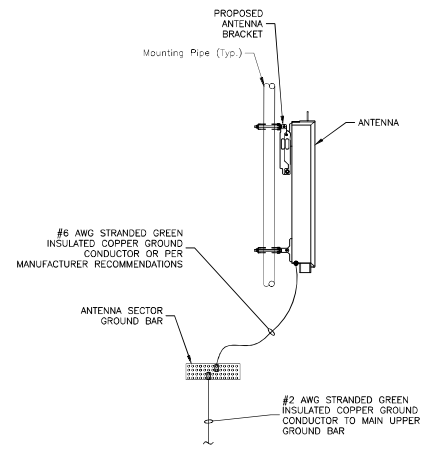


- NOTES:
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND. ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
 2. GROUNDING KIT SHALL BE TIN PLATED COPPER WITH TWO-HOLE LUG, SIZE PER COAX DIAMETER.
 3. WEATHER SEAL GROUND KIT PER CARRIER REQUIREMENTS.
 4. COAX CABLE GROUND KIT LOCATION & QUANTITY SHALL BE PER CARRIER SPECIFICATIONS & STANDARDS.

COAX/HYBRID GROUNDING DETAIL 3
SCALE: N.T.S.



JUMPER MOUNT 2
SCALE: N.T.S.



- NOTES:
1. VERIFY EXISTING GROUNDING SYSTEM IS INSTALLED PER VERIZON WIRELESS STANDARDS.
 2. BOND NEW EQUIPMENT INTO EXISTING GROUND SYSTEM IN ACCORDANCE WITH VERIZON WIRELESS STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.

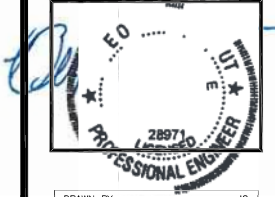
TYPICAL ANTENNA GROUNDING DETAIL 4
SCALE: N.T.S.

DANBURY CT

CONSTRUCTION DRAWINGS

| | | |
|---|----------|---------------|
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| 2 | 06/15/21 | FOR SUBMITTAL |
| 1 | 04/30/21 | FOR SUBMITTAL |
| 0 | 03/10/21 | FOR SUBMITTAL |

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99 SUMMER ST
SUITE 700
BOSTON, MA 02110
PHONE: 617.596.3400
FAX: 617.596.3310



| | |
|-----------------|----------|
| DRAWN BY: | JG |
| REVIEWED BY: | CDH |
| CHECKED BY: | BBR |
| PROJECT NUMBER: | 50121487 |
| JOB NUMBER: | 50121887 |
| SITE NUMBER: | |

468092
SITE ADDRESS

24 HOSPITAL AVENUE
DANBURY, CT 06810

| | |
|--------------|----------------------|
| SHEET TITLE | CONSTRUCTION DETAILS |
| SHEET NUMBER | |



VERIZON WIRELESS
118 FLANDERS ROAD
WESTBOROUGH, MA 01581-3956

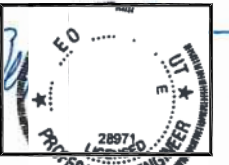
DANBURY CT

CONSTRUCTION DRAWINGS

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|---|----------|---------------|
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| 1 | 04/30/21 | FOR SUBMITTAL |
| 0 | 03/10/21 | FOR SUBMITTAL |



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DRAWN BY: JG
REVIEWED BY: CDH
CHECKED BY: BBR
PROJECT NUMBER: 50121487
JOB NUMBER: 50121887
SITE NUMBER:

468092

SITE ADDRESS

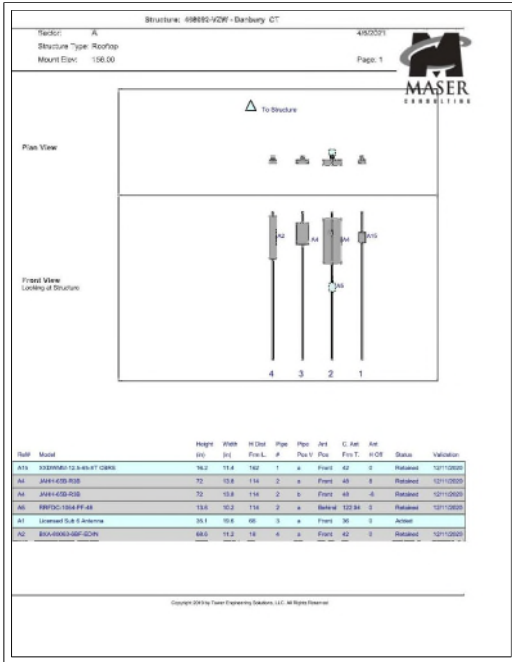
24 HOSPITAL AVENUE
DANBURY, CT 06810

SHEET TITLE

SMART TOOL SECTOR PLANS
& ELEVATION DETAILS

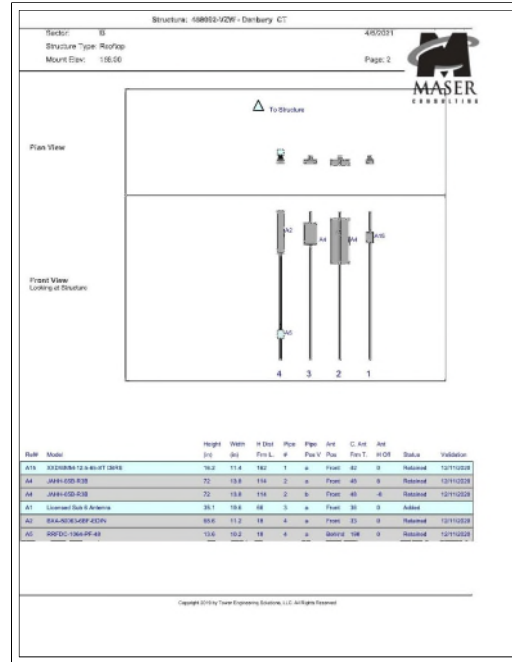
SHEET NUMBER

C-5



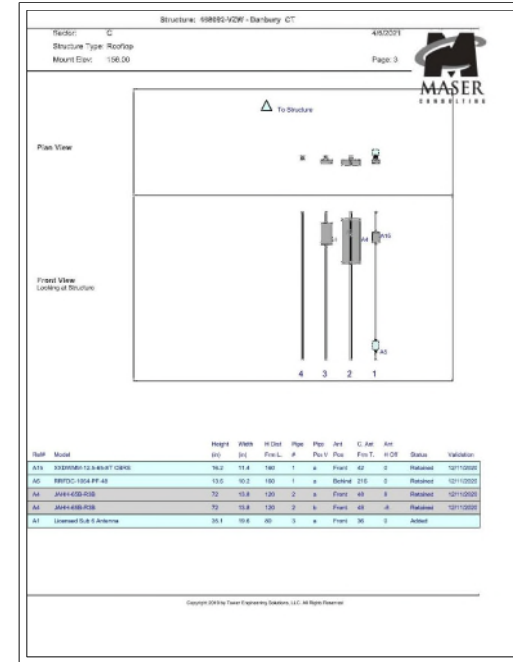
ALPHA SECTOR
SCALE: N.T.S.

1



BETA SECTOR
SCALE: N.T.S.

2



GAMMA SECTOR
SCALE: N.T.S.

3

NOTE:

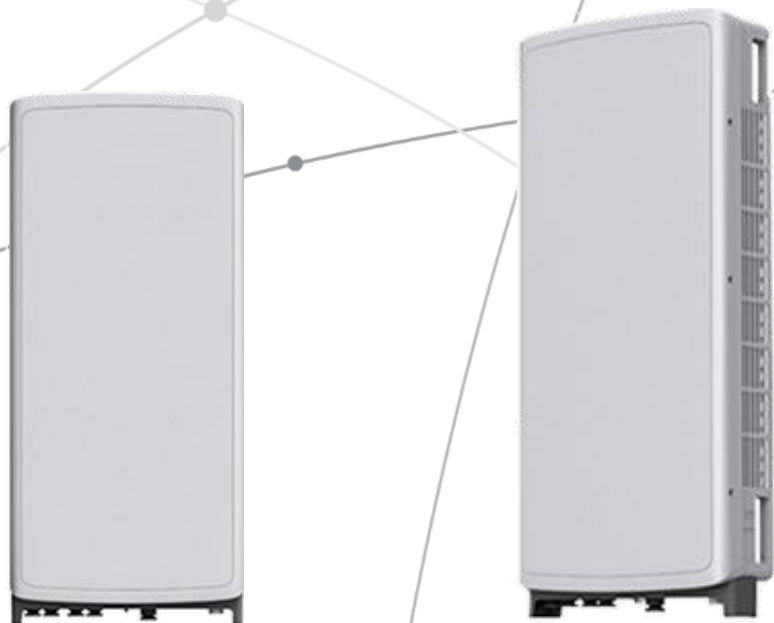
- SECTOR PLANS AND ELEVATIONS TAKEN FROM MOUNT ANALYSIS: SMART TOOL # 10038458 & 10038453 MASER PROJECT # 20777270A, FLUZE # 16234293 BY MASER CONSULTING P.A. DATED 04/12/21.

SAMSUNG C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

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

Model Code : MT6407-77A



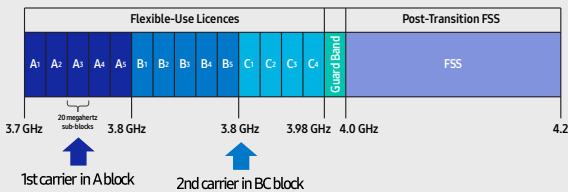
Points of Differentiation

Wide Bandwidth

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

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

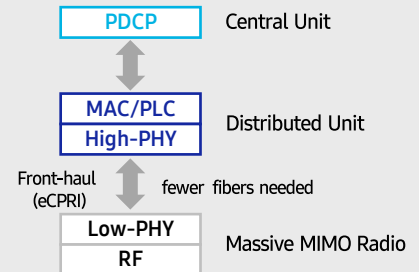
C-Band spectrum supported by Massive MIMO Radio



Future Proof Product

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

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

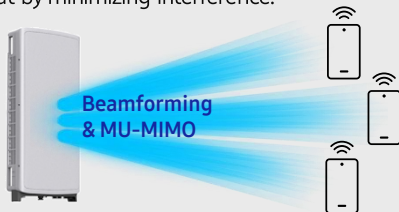


Enhanced Performance

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

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

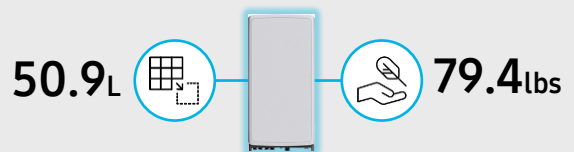
Furthermore, as C-Band massive MIMO Radio supports MU-MIMO (Multi-user MIMO), it enables to increase user throughput by minimizing interference.



Well Matched Design

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

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



Technical Specifications

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



SAMSUNG



About Samsung Electronics Co., Ltd.

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

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

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ATTACHMENT 3

| | General | Power | Density | | | | | |
|--------------------------------------|------------|-------------|--------------|------------------|----------------|--------------------|--------------|---------------|
| Site Name: Danbury | | | | | | | | |
| Tower Height: Verizon @ 156ft | | | | | | | | |
| CARRIER | # OF CHAN. | WATTS ERP | HEIGHT | CALC. POWER DENS | FREQ. | MAX. PERMISS. EXP. | FRACTION MPE | Total |
| *Sprint | 1 | 350 | 155 | 865 | 0.0057 | 0.5767 | 0.10% | |
| *Sprint | 1 | 875 | 155 | 865 | 0.0142 | 0.5767 | 0.25% | |
| *Sprint | 11 | 622 | 155 | 1900 | 0.1108 | 1.0000 | 1.11% | |
| *Sprint | 1 | 3112 | 155 | 1900 | 0.0504 | 1.0000 | 0.50% | |
| *Sprint | 1 | 3112 | 155 | 2500 | 0.0504 | 1.0000 | 0.50% | |
| *T-Mobile-LTE | 4 | 1556 | 127 | 2100 | 0.1529 | 1.0000 | 1.53% | |
| *T-Mobile-LTE | 2 | 1556 | 127 | 1900 | 0.0764 | 1.0000 | 0.76% | |
| *T-Mobile-GSM | 1 | 584 | 127 | 1900 | 0.0143 | 1.0000 | 0.14% | |
| *T-Mobile-UMTS | 1 | 1556 | 127 | 2100 | 0.0382 | 1.0000 | 0.38% | |
| *T-Mobile-LTE | 2 | 789 | 127 | 600 | 0.0388 | 0.4000 | 0.97% | |
| *T-Mobile-LTE | 2 | 433 | 127 | 700 | 0.0213 | 0.4667 | 0.46% | |
| VZW 700 | 4 | 618 | 156 | 0.0037 | 751 | 0.5007 | 0.73% | |
| VZW CDMA | 2 | 499 | 156 | 0.0015 | 877.26 | 0.5848 | 0.25% | |
| VZW Cellular | 4 | 714 | 156 | 0.0042 | 874 | 0.5857 | 0.72% | |
| VZW PCS | 4 | 1525 | 156 | 0.0090 | 1975 | 1.0000 | 0.90% | |
| VZW AWS | 4 | 1556 | 156 | 0.0092 | 2120 | 1.0000 | 0.92% | |
| VZW CBRS | 4 | 7 | 158.5 | 0.0000 | 26 | 1.0000 | 0.00% | |
| VZW CBAND | 4 | 6531 | 156 | 0.0386 | 3730.08 | 1.0000 | 3.86% | |
| | | | | | | | | 14.08% |
| * Source: Siting Council | | | | | | | | |

ATTACHMENT 4



July 20, 2021

Andrew Leone
Verizon Wireless
118 Flanders Road
Westborough, MA 01581

**Re: Danbury CT (Rev. 2)
Site ID: 468092
Fuze #: 16234293
24 Hospital Avenue
Danbury, CT 06810**

Dear Mr. Leone:

Verizon Wireless has proposed to add three (3) new MT6407-77A antennas with integrated RRHs. The proposed antennas will be mounted to existing pipe masts attached to mounting frames on the roof at the above referenced site.

Dewberry Engineers Inc. (Dewberry) has reviewed the antenna design sheets (dated 11/11/20) provided by Verizon Wireless and has determined, based on an ultimate wind speed of 120 mph per the 2018 Connecticut State Building Code (SBC) (Amendments to IBC 2015), that the building and existing antenna mounting frames have adequate capacity to support the proposed equipment configuration. Dewberry assumes that the new antennas and associated equipment are installed per the latest Construction Drawings by Dewberry. This assessment letter is limited to the existing building only. The Mount Modification Analysis, dated 04/12/21, was completed by Maser Consulting and is not a part of this scope of work.

Our assessment is based on the assumption that the existing building is in good condition and was constructed in conformance with all applicable state and local building codes. If, during construction, any damage, deterioration, and/or discrepancies are noticed, Dewberry is to be notified to assess any deviation from the assumed condition. Any alteration in equipment loading described above and on the associated plans will void any conclusions expressed herein and will require further analysis and design. No structural qualification is made or implied by this structural letter for existing structural members not supporting the proposed installation.

If you have any questions, please do not hesitate to call me at 617-531-0800.

Sincerely,
Dewberry Engineers Inc.



Ben Revette, P.E.
Associate Vice President



Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
856.797.0412
GDulnik@maserconsulting.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10038458 & 10038453
Maser Consulting Connecticut Project #: 20777270A

April 12, 2021

Site Information

Site ID: 468092-VZW / Danbury CT
Site Name: Danbury CT
Carrier Name: Verizon Wireless
Address: 24 Hospital Ave
Danbury, Connecticut 06810
Fairfield County
Latitude: 41.404983°
Longitude: -73.445739°

Structure Information

Tower Type: 203-Ft Rooftop
Mount Type: (2) 15.00-Ft Rooftop Frame
(1) 6.50-Ft Rooftop Frame

FUZE ID # 16234293

Analysis Results

Rooftop Frame – Alpha/Beta: **91.5% Pass**
Rooftop Frame – Gamma: **66.8% Pass**

*****Contractor PMI Requirements:**

Included at the end of this MA report

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

Contractor - Please Review Specific Site PMI Requirements Upon Award

Requirements also Noted on Mount Modification Drawings

Requirements may also be Noted on A & E drawings

STATE OF CONNECTICUT
TAQI KHAWAJA-GHULAM
34997
REGISTERED PROFESSIONAL ENGINEER

Digitally signed by Taqi Khawaja-Ghulam
Date: 2021.04.13 14:52:05-04 00

Report Prepared By: Taqi Khawaja

Executive Summary:

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

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

Sources of Information:

| Document Type | Remarks |
|-----------------------------------|--|
| Radio Frequency Data Sheet (RFDS) | Verizon RFDS Site ID: 323709, dated November 11, 2020 |
| Mount Mapping Report | Tower Engineering Professionals, Site ID: 468092, dated December 11, 2020 |
| Construction Drawings | Dewberry Engineers Inc., Project #: 50095218, dated January 30, 2020 |
| Previous Mount Analysis | Maser Consulting Connecticut, Project # 209777270A, dated January 25, 2021 |
| Mount Modification Drawing | Maser Consulting Connecticut, Project # 209777270A, dated April 12, 2021 |

Analysis Criteria:

| | |
|-------------------------|--|
| Codes and Standards: | ANSI/TIA-222-H |
| Wind Parameters: | Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 125 mph |
| | Ice Wind Speed (3-sec. Gust): 50 mph |
| | Design Ice Thickness: 1.00 in |
| | Risk Category: III |
| | Exposure Category: C |
| | Topographic Category: 1 |
| | Topographic Feature Considered: N/A |
| | Topographic Method: N/A |
| | Ground Elevation Factor, K_e : 0.984 |
| Seismic Parameters: | S_s : 0.223 |
| | S_1 : 0.056 |
| Maintenance Parameters: | Wind Speed (3-sec. Gust): N/A |
| | Maintenance Live Load, L_v : N/A |
| | Maintenance Live Load, L_m : N/A |
| Analysis Software: | RISA-3D (V17) |

Final Loading Configuration:

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

| Mount Elevation (ft) | Equipment Elevation (ft) | Quantity | Manufacturer | Model | Status |
|----------------------|--------------------------|----------|----------------|------------------------|----------|
| 156.00 | 158.50 | 3 | - | VZS01 | Added |
| | 156.00 | 3 | Samsung | XXDWMM-12.5-65-8T CBRS | Retained |
| | | 2 | Amphenol | BXA-80063-6BF-EDIN | |
| | | 1 | Amphenol Antel | BXA-80080-6CF | |
| | | 6 | Commscope | JAHH-65B-R3B | |
| | | 3 | Raycap | RRFDC-1064-PF-48 | |
| | | 6 | Commscope | CBC78T-DS-43-2X | |
| | | 3 | Samsung | B2/B66A RRH-BR049 | |
| | | 3 | Samsung | B5/B13 RRH-BR04C | |

Any proposed antennas not currently installed should be mounted such that the centerline of the antennas does not exceed 6 inches vertically from the center of the antenna mounts.

Standard Conditions:

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer’s specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
- Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - HSS (Rectangular) ASTM 500 (Gr. B-46)
 - Pipe ASTM A53 (Gr. B-35)
 - Threaded Rod F1554 (Gr. 36)
 - Bolts ASTM A325
8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

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

Analysis Results:

| Rooftop Frame- Alpha/Beta | | |
|-------------------------------|---------------|-------------|
| Component | Utilization % | Pass/Fail |
| <i>Mod Angle</i> | 8.5% | <i>Pass</i> |
| <i>Frame Angle</i> | 65.5% | <i>Pass</i> |
| <i>Frame Angle Top</i> | 91.5% | <i>Pass</i> |
| <i>Frame Horizontal 3</i> | 37.0% | <i>Pass</i> |
| <i>Antenna Pipe</i> | 71.4% | <i>Pass</i> |
| <i>Replacement Pipe</i> | 76.8% | <i>Pass</i> |
| <i>Face Horizontal</i> | 23.8% | <i>Pass</i> |
| <i>Replacement Horizontal</i> | 53.2% | <i>Pass</i> |

| | |
|---|--------------|
| Structure Rating – (Controlling Utilization of all Components) | 91.5% |
|---|--------------|

| Rooftop Frame- Gamma | | |
|------------------------|---------------|-------------|
| Component | Utilization % | Pass/Fail |
| <i>Modified Brace</i> | 13.9% | <i>Pass</i> |
| <i>Face Horizontal</i> | 43.7% | <i>Pass</i> |
| <i>Base Angle</i> | 2.5% | <i>Pass</i> |
| <i>Kicker</i> | 38.7% | <i>Pass</i> |
| <i>Diagonal</i> | 9.0% | <i>Pass</i> |
| <i>Vertical Post</i> | 66.8% | <i>Pass</i> |

| | |
|---|--------------|
| Structure Rating – (Controlling Utilization of all Components) | 66.8% |
|---|--------------|

Construction of supporting structure could not be confirmed. The final desired loading configuration results in factored loads as shown in the table below.

We recommend the supporting structure EOR utilize these values to determine the adequacy of the connection and supporting structure. Alternatively, Maser Consulting Connecticut can evaluate the connection capacity if additional information regarding the supporting structure construction is provided.

| Rooftop Frame- Alpha/Beta | | | | | | |
|----------------------------|-------------|-------------|-------------|---------|---------|---------|
| Post Reactions | Mx (Kip-ft) | My (Kip-ft) | Mz (Kip-ft) | Fx (lb) | Fy (lb) | Fz (lb) |
| <i>Top Connection 1</i> | 0.00 | 0.00 | 0.00 | 1287.91 | 2075.92 | 2608.18 |
| <i>Top Connection 2</i> | 0.00 | 0.00 | 0.00 | 526.98 | 875.66 | 13.74 |
| <i>Top Connection 3</i> | 0.00 | 0.00 | 0.00 | 2880.46 | 2982.56 | 2529.25 |
| <i>Top Connection 4</i> | 0.00 | 0.00 | 0.00 | 1282.13 | 1295.31 | 13.74 |
| <i>Bottom Connection 1</i> | 0.00 | 0.00 | 0.00 | 1623.92 | 2239.13 | 1001.65 |
| <i>Bottom Connection 2</i> | 0.00 | 0.00 | 0.00 | 285.19 | 417.70 | 45.18 |
| <i>Bottom Connection 3</i> | 0.00 | 0.00 | 0.00 | 886.79 | 1161.59 | 721.93 |
| <i>Bottom Connection 4</i> | 0.00 | 0.00 | 0.00 | 118.41 | 195.31 | 45.18 |

| Rooftop Frame- Gamma | | | | | | |
|----------------------|------------|------------|------------|---------|---------|---------|
| Component | Mx (lb-ft) | My (lb-ft) | Mz (lb-ft) | Fx (lb) | Fy (lb) | Fz (lb) |
| <i>Post 1</i> | 1.66 | 0.01 | 0.30 | 123.10 | 1907.78 | 389.08 |
| <i>Post 2</i> | 1.67 | 0.01 | 0.30 | 123.11 | 1906.81 | 389.91 |
| <i>Face Brace 1</i> | 0.00 | 0.00 | 0.00 | 839.77 | 1680.71 | 136.47 |
| <i>Face Brace 2</i> | 0.00 | 0.00 | 0.00 | 839.91 | 1681.03 | 136.49 |
| <i>Kicker 1</i> | 0.00 | 0.00 | 0.00 | 171.45 | 761.17 | 599.75 |
| <i>Kicker 2</i> | 0.00 | 0.00 | 0.00 | 171.45 | 761.52 | 600.07 |

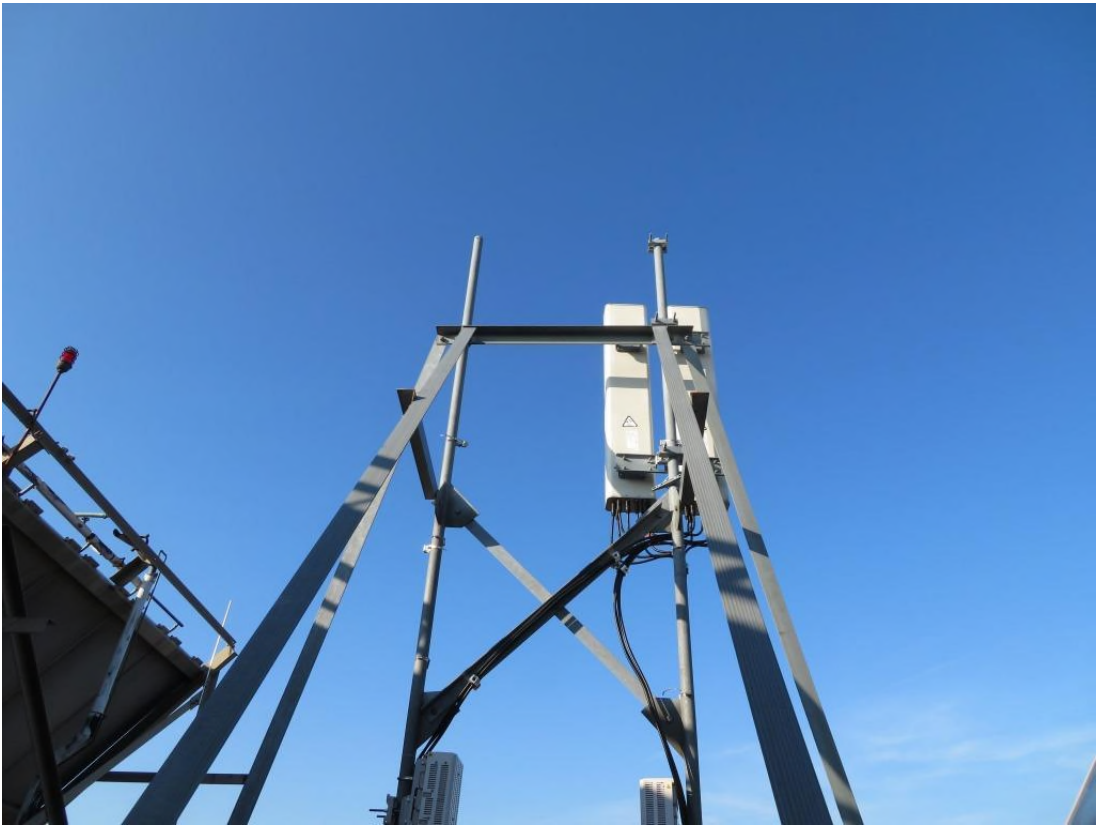
Recommendation:

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

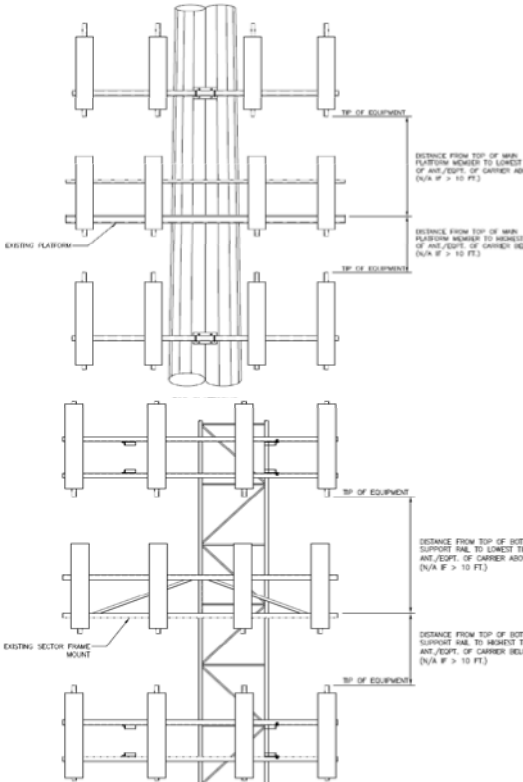
ANSI/ASSP rigging plan review services compliant with the requirements of ANSI/TIA 322 are available for a Construction Class IV site or other, if required. Separate review fees will apply.

Attachments:

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



| Mount Azimuth (Degree) for Each Sector | | | Tower Leg Azimuth (Degree) for Each Sector | | Sector B | | | | | | | | | | | | | |
|--|-----------------|--------|--|-----|-------------------|---------------------|-------|-------|-------|---------|--------|-------|--------|----------|--|--|--|--------|
| Sector A: | Deg | Leg A: | Deg | Deg | Ant _{1a} | | | | | | | | | | | | | |
| Sector B: | | Deg | Leg B: | Deg | Ant _{1c} | | | | | | | | | | | | | |
| Sector C: | 270.00 | Deg | Leg C: | Deg | Ant _{2a} | B66a RRH4x30 | 12.00 | 7.30 | 25.80 | 227.167 | 119.00 | 7.00 | | | | | | 35 |
| Sector D: | | Deg | Leg D: | Deg | Ant _{2b} | (2) JAHH-65B-R3B | 13.78 | 8.19 | 71.97 | 221.083 | 192.00 | 12.00 | 160.00 | 40, 42 | | | | |
| Climbing Facility Information | | | | | Ant _{2c} | (2) CBC78T-DS-43-2X | 15.73 | 10.30 | 28.93 | 227.583 | 114.00 | 8.00 | | | | | | 48 |
| Location: | | Deg | | | Ant _{2a} | RRFDC-1064-PF-48 | 10.15 | 8.15 | 13.58 | 227.25 | 118.00 | 6.00 | | | | | | 50 |
| Climbing Facility | Corrosion Type: | | | | Ant _{3b} | B25 RRH4x30 | 11.97 | 7.18 | 21.20 | 231.083 | 72.00 | 7.00 | | | | | | 51, 62 |
| | Access: | | | | Ant _{3c} | RFV01U-D2A | 15.00 | 8.10 | 15.00 | 231.083 | 72.00 | -7.00 | | | | | | 54 |
| | Condition: | | | | Ant _{3a} | | | | | | | | | | | | | |
| | | | | | Ant _{4b} | BXA-80063-6CF-EDIN | 11.20 | 6.00 | 71.00 | 221.083 | 192.00 | 10.00 | 160.00 | 56 | | | | |
| | | | | | Ant _{4c} | RRFDC-1064-PF-48 (M | 10.15 | 8.15 | 13.58 | 233.583 | 42.00 | -6.00 | | | | | | 58 |
| | | | | | Ant _{5a} | | | | | | | | | | | | | |
| | | | | | Ant _{5b} | | | | | | | | | | | | | |
| | | | | | Ant _{5c} | | | | | | | | | | | | | |
| | | | | | Ant on Standoff | | | | | | | | | | | | | |
| | | | | | Ant on Standoff | | | | | | | | | | | | | |
| | | | | | Ant on Tower | | | | | | | | | | | | | |
| | | | | | Ant on Tower | | | | | | | | | | | | | |
| Climbing Facility Information | | | | | Sector C | | | | | | | | | | | | | |
| | | | | | Ant _{1a} | RRFDC-1064-PF-48 | 10.15 | 8.15 | 13.58 | 237.083 | 24.00 | 7.00 | | | | | | 102 |
| | | | | | Ant _{1b} | EMPTY | | | | 239.083 | | | | | | | | |
| | | | | | Ant _{1c} | B25 RRH4x30 | 11.97 | 7.18 | 21.20 | 232.5 | 79.00 | 7.00 | | | | | | 100 |
| | | | | | Ant _{2a} | B66a RRH 4x45 | 12.00 | 7.30 | 25.80 | 233.083 | 72.00 | 7.00 | | | | | | 111 |
| | | | | | Ant _{2b} | (2) JAHH-65B-R3B | 13.78 | 8.19 | 71.97 | 222.583 | 198.00 | 12.00 | 270.00 | 106, 108 | | | | |
| | | | | | Ant _{2c} | (2) CBC78T-DS-43-2X | 15.73 | 10.30 | 28.93 | 235.917 | 38.00 | 7.50 | | | | | | 113 |
| | | | | | Ant _{3a} | | | | | | | | | | | | | |
| | | | | | Ant _{3b} | EMPTY | | | | 239.083 | | | | | | | | |
| | | | | | Ant _{3c} | | | | | | | | | | | | | |
| | | | | | Ant _{4a} | | | | | | | | | | | | | |
| | | | | | Ant _{4b} | BXA-80080-6CF-EDIN | 11.20 | 6.00 | 71.00 | 221.583 | 210.00 | 10.00 | 270.00 | 171 | | | | |
| | | | | | Ant _{4c} | RRFDC-1064-PF-48 (M | 10.15 | 8.15 | 13.58 | 234.083 | 60.00 | 7.00 | | | | | | 174 |
| | | | | | Ant _{5a} | | | | | | | | | | | | | |
| | | | | | Ant _{5b} | | | | | | | | | | | | | |
| | | | | | Ant _{5c} | | | | | | | | | | | | | |
| | | | | | Ant on Standoff | RFV01U-D2A (POS 2) | 15.00 | 8.10 | 15.00 | | 28.00 | 8.00 | | | | | | 116 |
| | | | | | Ant on Standoff | | | | | | | | | | | | | |
| | | | | | Ant on Tower | | | | | | | | | | | | | |
| | | | | | Ant on Tower | | | | | | | | | | | | | |
| Climbing Facility Information | | | | | Sector D | | | | | | | | | | | | | |
| | | | | | Ant _{1a} | | | | | | | | | | | | | |
| | | | | | Ant _{1b} | | | | | | | | | | | | | |
| | | | | | Ant _{1c} | | | | | | | | | | | | | |
| | | | | | Ant _{2a} | | | | | | | | | | | | | |
| | | | | | Ant _{2b} | | | | | | | | | | | | | |
| | | | | | Ant _{2c} | | | | | | | | | | | | | |
| | | | | | Ant _{3a} | | | | | | | | | | | | | |
| | | | | | Ant _{3b} | | | | | | | | | | | | | |
| | | | | | Ant _{3c} | | | | | | | | | | | | | |
| | | | | | Ant _{4a} | | | | | | | | | | | | | |
| | | | | | Ant _{4b} | | | | | | | | | | | | | |
| | | | | | Ant _{4c} | | | | | | | | | | | | | |
| | | | | | Ant _{5a} | | | | | | | | | | | | | |
| | | | | | Ant _{5b} | | | | | | | | | | | | | |
| | | | | | Ant _{5c} | | | | | | | | | | | | | |
| | | | | | Ant on Standoff | | | | | | | | | | | | | |
| | | | | | Ant on Standoff | | | | | | | | | | | | | |
| | | | | | Ant on Tower | | | | | | | | | | | | | |
| | | | | | Ant on Tower | | | | | | | | | | | | | |



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

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

Mapping Notes

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

Standard Conditions

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



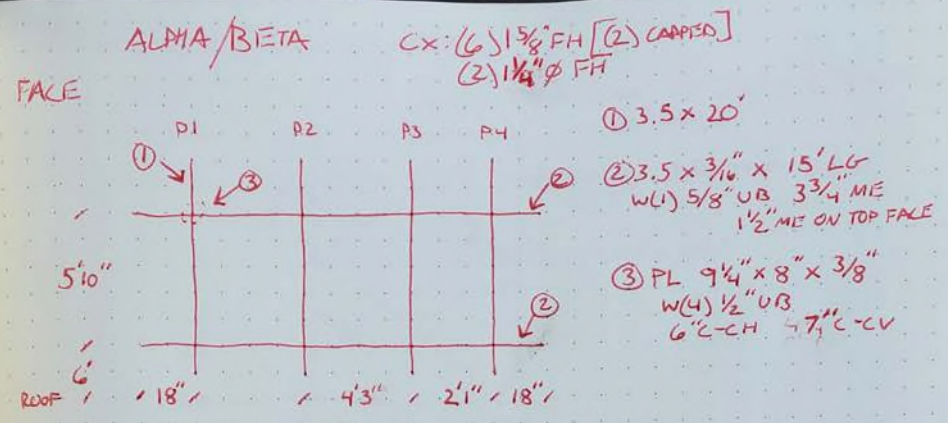
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
N/A

| | | | |
|---------------------|------------|------------------------|------------|
| Tower Owner: | Unknown | Mapping Date: | 12/11/2020 |
| Site Name: | Danbury CT | Tower Type: | Other |
| Site Number or ID: | 468092 | Tower Height (FT.): | 203 |
| Mapping Contractor: | TEP | Mount Elevation (FT.): | 222 |

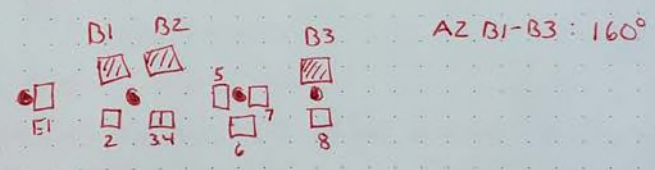
This antenna mapping form is the property of TES and under PATENT PENDING. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited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

Please Insert Sketches of the Antenna Mount



ANT 4: FROM SOUTH ROAD 216'

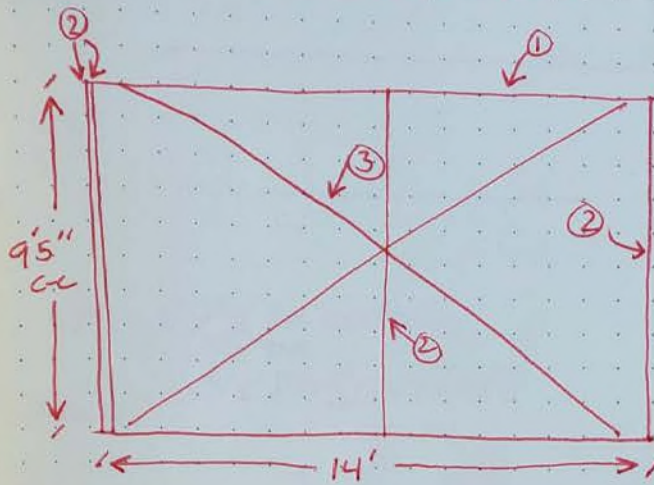
PLAN VIEW



| | | | | | | | | | | | |
|---------|-----|-----|-----|-------|-----|------|------|-------|----|------|------|
| | B1 | B2 | B3 | E1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| U | 2' | - | - | - | - | - | - | - | - | - | - |
| B16/A16 | 16' | 16' | 16' | 9'11" | 11' | 9'6" | 9'6" | 9'10" | 6' | 9'6" | 3'6" |
| h | 12" | 12' | 10" | 7" | 7" | 8" | 8" | 6" | 7" | 6" | 6" |

"U": BOT OF PIPE UP TO BOTTOM FACE
B16/A16: BOT OF PIPE TO CL

BASE STRUCTURE FOR BETA

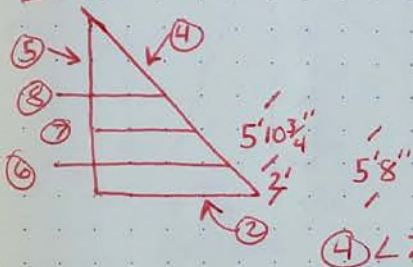


① I BEAM 1'6" x 6" x 3/8" TH WEB
1/2" FLANGE

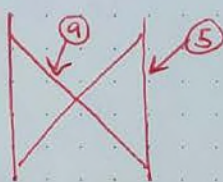
② I BEAM 5 7/8" x 4" x 1/4" WEB
13'7" C-C

③ L 4 x 4 x 5/16"

SIDE



BACK



④ L 3 1/2 x 3 1/2 x 5/16"

④ L 7 x 4 x 3/8"

⑤ L 4' x 3" x 1/4" x 11'2" TALL

⑥ L 4' x 4' x 3/8" w(1) 3/4" B 2 1/2" ME x 11' LG 2'6" PROJECTION

⑦ L 4 x 3 x 1/4"

⑧ L 4 x 4 x 1/4" 2'3" PROJECTION

BASE STRUCTURE GAMMA 270° MOUNT/ANT AZ

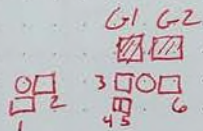
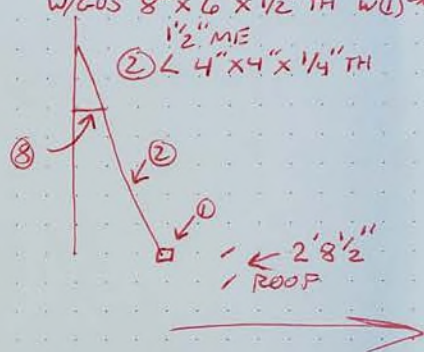
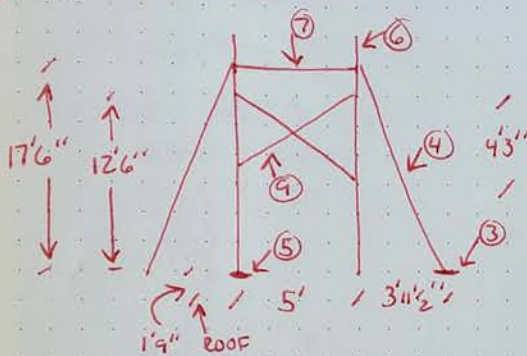
1
12'2 1/2"
C-C
1

FRONT I BEAM
1'6" x 7'2" x 1/2" TH

BACK I BEAM
12" x 3'8" x 7/32" WEB

CX: (2) 1 5/8" FH (CARRIED)
(1) 7/8" FH
FACE (2) 5/8" FH [(1) IS CUT]

(1) PL 10" x 8" x 1/2" w(6)
3/4" B 3 1/2" C-CV 5" C-CH
w/GUS 8" x 6" x 1/2" TH w(4) 3/4" B
1 1/2" ME
(2) L 4" x 4" x 1/4" TH



| | G1 | G2 | 1 | 2 | 3 | 4 | 4 | 5 | 5 | 6 |
|---------|-------|-------|----|------|------|--------|--------|------|------|---|
| U | | | | | | | | | | |
| B16/A16 | 16'6" | 16'6" | 2' | 6'7" | 6'1" | 3'2" | 3'2" | 3'2" | 2'4" | |
| h | 12" | 12" | 7" | 7" | 7" | 7 1/2" | 7 1/2" | 8" | | |

B16/A16 - BOTTOM PL → CL

ANT CL: FROM WEST RD. 212'

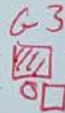
- ③ L 4" x 4" x 1/4" TH. W(2) 3/4" B 8' 1/2" C-C
- ④ L 4" x 4" x 1/4" TH. W(1) 3/4" B 2" ME
- ⑤ PL 8" x 12" x 3/4" TH. W(4) 3/4" B 5" C-C 9" C-C
- ⑥ PIPE 2.9" x 20'
- ⑦ L 4" x 4" x 1/4" x 6' 6" LL
- ⑧ L 4" x 4" x 1/4"
- ⑨ "X" L 3" x 3" x 1/4" TH (1) 3/4" B 2" ME

GAMMA ANT 3 (G3) L: 213'

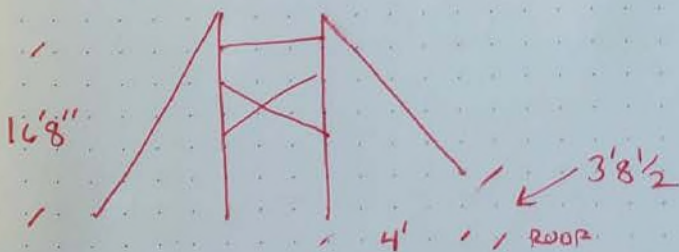
- SAME MOUNT

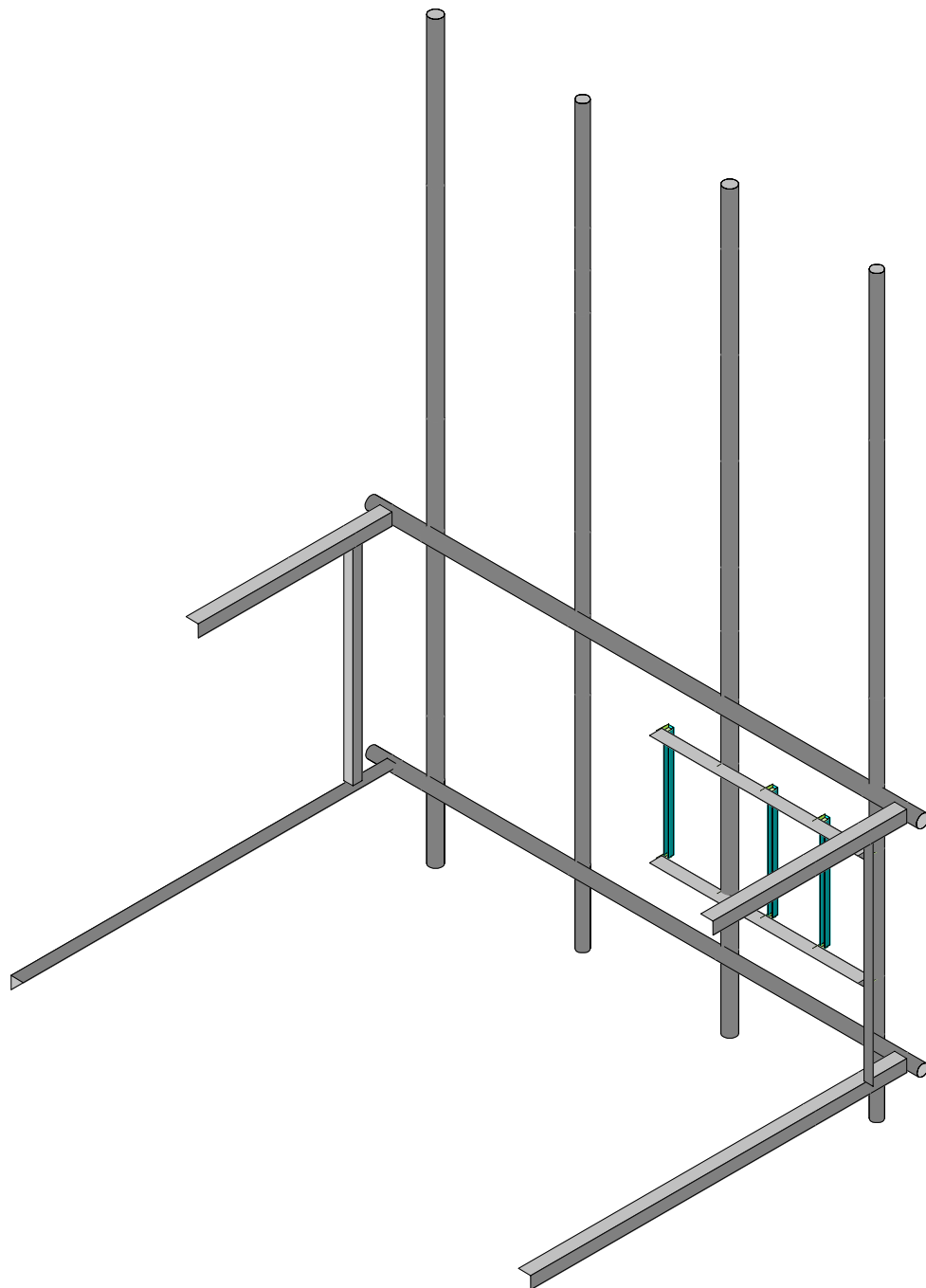
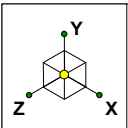
CX: (3) 1 5/8" FH (1) CUT
 (2)
 (1)

| | G3 | E |
|---------|--------|----|
| U | — | — |
| B16/DIA | 17' 6" | 5' |
| h | 10" | 7" |



ONLY DIFFERENCE

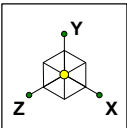




Maser Consulting
MNC
Project No. 10038458

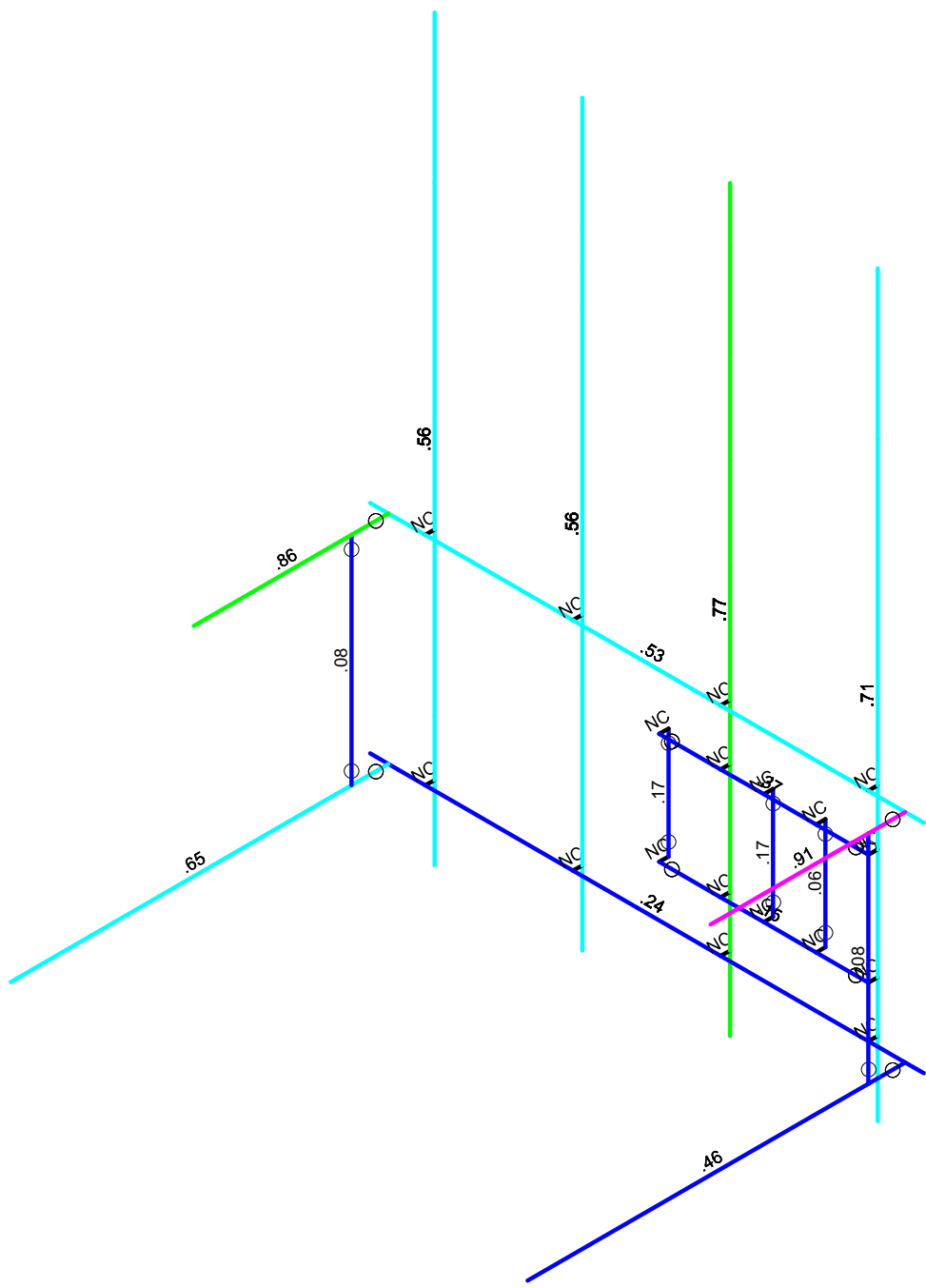
468092-VZW_MT_LOT_SectorB_H

SK - 1
Apr 5, 2021 at 2:17 PM
Loaded_468092-VZW_MT_LOT_B...



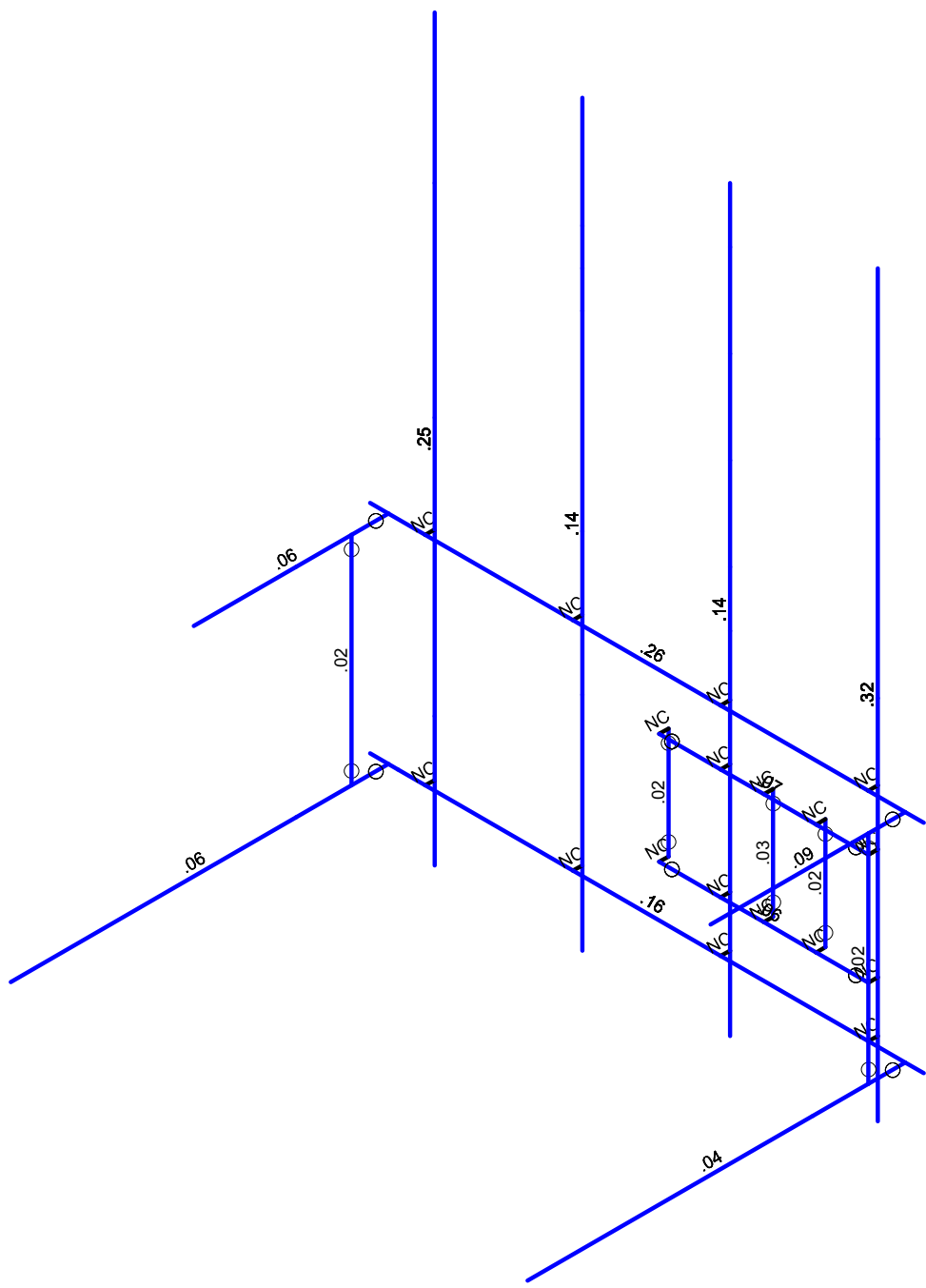
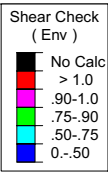
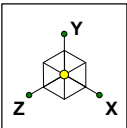
Code Check (Env)

| | |
|---------|---------|
| Black | No Calc |
| Red | > 1.0 |
| Magenta | .90-1.0 |
| Green | .75-.90 |
| Cyan | .50-.75 |
| Blue | 0.-.50 |



Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

| | | |
|----------------------|-----------------------------|-------------------------------|
| Maser Consulting | 468092-VZW_MT_LOT_SectorB_H | SK - 2 |
| MNC | | Apr 5, 2021 at 2:17 PM |
| Project No. 10038458 | | Loaded_468092-VZW_MT_LOT_B... |



Member Shear Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

| | | |
|----------------------|-----------------------------|-------------------------------|
| Maser Consulting | 468092-VZW_MT_LOT_SectorB_H | SK - 3 |
| MNC | | Apr 5, 2021 at 2:17 PM |
| Project No. 10038458 | | Loaded_468092-VZW_MT_LOT_B... |



Basic Load Cases

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



Basic Load Cases (Continued)

| | BLC Description | Category | X Gravity | Y Gravity | Z Gravity | Joint | Point | Distrib. | Area(M...) | Surface... |
|----|------------------------|----------|-----------|-----------|-----------|-------|-------|----------|------------|------------|
| 57 | Structure Wi (120 Deg) | None | | | | | | | 34 | |
| 58 | Structure Wi (150 Deg) | None | | | | | | | 34 | |
| 59 | Structure Wi (180 Deg) | None | | | | | | | 34 | |
| 60 | Structure Wi (210 Deg) | None | | | | | | | 34 | |
| 61 | Structure Wi (240 Deg) | None | | | | | | | 34 | |
| 62 | Structure Wi (270 Deg) | None | | | | | | | 34 | |
| 63 | Structure Wi (300 Deg) | None | | | | | | | 34 | |
| 64 | Structure Wi (330 Deg) | None | | | | | | | 34 | |
| 65 | Structure Wm (0 Deg) | None | | | | | | | 34 | |
| 66 | Structure Wm (30 Deg) | None | | | | | | | 34 | |
| 67 | Structure Wm (60 Deg) | None | | | | | | | 34 | |
| 68 | Structure Wm (90 Deg) | None | | | | | | | 34 | |
| 69 | Structure Wm (120 Deg) | None | | | | | | | 34 | |
| 70 | Structure Wm (150 Deg) | None | | | | | | | 34 | |
| 71 | Structure Wm (180 Deg) | None | | | | | | | 34 | |
| 72 | Structure Wm (210 Deg) | None | | | | | | | 34 | |
| 73 | Structure Wm (240 Deg) | None | | | | | | | 34 | |
| 74 | Structure Wm (270 Deg) | None | | | | | | | 34 | |
| 75 | Structure Wm (300 Deg) | None | | | | | | | 34 | |
| 76 | Structure Wm (330 Deg) | None | | | | | | | 34 | |
| 77 | Lm1 | None | | | | | 1 | | | |
| 78 | Lm2 | None | | | | | 1 | | | |
| 79 | Lv1 | None | | | | | 1 | | | |
| 80 | Lv2 | None | | | | | 1 | | | |

Load Combinations

| | Description | S...P | Delta | S...B | F... | BLC | F... | BLC | F... | B...F... | B...F... | B...F... | B...F... | B...F... | B...F... | B...F... |
|----|--------------------------------|-------|-------|-------|------|-----|------|-----|------|----------|----------|----------|----------|----------|----------|----------|
| 1 | 1.2D+1.0Wo (0 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 3 | 1 | 41 | 1 | | | | | |
| 2 | 1.2D+1.0Wo (30 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 4 | 1 | 42 | 1 | | | | | |
| 3 | 1.2D+1.0Wo (60 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 5 | 1 | 43 | 1 | | | | | |
| 4 | 1.2D+1.0Wo (90 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 6 | 1 | 44 | 1 | | | | | |
| 5 | 1.2D+1.0Wo (120 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 7 | 1 | 45 | 1 | | | | | |
| 6 | 1.2D+1.0Wo (150 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 8 | 1 | 46 | 1 | | | | | |
| 7 | 1.2D+1.0Wo (180 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 9 | 1 | 47 | 1 | | | | | |
| 8 | 1.2D+1.0Wo (210 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 10 | 1 | 48 | 1 | | | | | |
| 9 | 1.2D+1.0Wo (240 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 11 | 1 | 49 | 1 | | | | | |
| 10 | 1.2D+1.0Wo (270 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 12 | 1 | 50 | 1 | | | | | |
| 11 | 1.2D+1.0Wo (300 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 13 | 1 | 51 | 1 | | | | | |
| 12 | 1.2D+1.0Wo (330 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 14 | 1 | 52 | 1 | | | | | |
| 13 | 1.2D + 1.0Di + 1.0Wi (0 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 2 | 1 | 40 | 1 | 15 | 1 | 53 | 1 | |
| 14 | 1.2D + 1.0Di + 1.0Wi (30 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 2 | 1 | 40 | 1 | 16 | 1 | 54 | 1 | |
| 15 | 1.2D + 1.0Di + 1.0Wi (60 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 2 | 1 | 40 | 1 | 17 | 1 | 55 | 1 | |
| 16 | 1.2D + 1.0Di + 1.0Wi (90 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 2 | 1 | 40 | 1 | 18 | 1 | 56 | 1 | |
| 17 | 1.2D + 1.0Di + 1.0Wi (120 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 2 | 1 | 40 | 1 | 19 | 1 | 57 | 1 | |
| 18 | 1.2D + 1.0Di + 1.0Wi (150 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 2 | 1 | 40 | 1 | 20 | 1 | 58 | 1 | |
| 19 | 1.2D + 1.0Di + 1.0Wi (180 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 2 | 1 | 40 | 1 | 21 | 1 | 59 | 1 | |
| 20 | 1.2D + 1.0Di + 1.0Wi (210 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 2 | 1 | 40 | 1 | 22 | 1 | 60 | 1 | |
| 21 | 1.2D + 1.0Di + 1.0Wi (240 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 2 | 1 | 40 | 1 | 23 | 1 | 61 | 1 | |
| 22 | 1.2D + 1.0Di + 1.0Wi (270 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 2 | 1 | 40 | 1 | 24 | 1 | 62 | 1 | |
| 23 | 1.2D + 1.0Di + 1.0Wi (300 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 2 | 1 | 40 | 1 | 25 | 1 | 63 | 1 | |
| 24 | 1.2D + 1.0Di + 1.0Wi (330 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 2 | 1 | 40 | 1 | 26 | 1 | 64 | 1 | |
| 25 | 1.2D + 1.5Lm1 + 1.0Wm (0 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 77 | 1.5 | 27 | 1 | 65 | 1 | | | |
| 26 | 1.2D + 1.5Lm1 + 1.0Wm (30 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 77 | 1.5 | 28 | 1 | 66 | 1 | | | |
| 27 | 1.2D + 1.5Lm1 + 1.0Wm (60 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 77 | 1.5 | 29 | 1 | 67 | 1 | | | |
| 28 | 1.2D + 1.5Lm1 + 1.0Wm (90 Deg) | Y... | Y | 1 | 1.2 | 39 | 1.2 | 77 | 1.5 | 30 | 1 | 68 | 1 | | | |



Load Combinations (Continued)

| | Description | S... | PDelta | S... | B... | F... | BLC | F... | BLC | F... | B... | F... | B... | F... | B... | F... | B... | F... | B... | F... | B... | F... | B... | F... | B... | F... | B... | F... | B... | F... | B... | F... | | | | | |
|----|---------------------------------|------|--------|------|------|------|-----|------|-----|-------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|
| 29 | 1.2D + 1.5Lm1 + 1.0Wm (120 D... | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 77 | 1.5 | 31 | 1 | 69 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 1.2D + 1.5Lm1 + 1.0Wm (150 D... | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 77 | 1.5 | 32 | 1 | 70 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | 1.2D + 1.5Lm1 + 1.0Wm (180 D... | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 77 | 1.5 | 33 | 1 | 71 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | 1.2D + 1.5Lm1 + 1.0Wm (210 D... | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 77 | 1.5 | 34 | 1 | 72 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | 1.2D + 1.5Lm1 + 1.0Wm (240 D... | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 77 | 1.5 | 35 | 1 | 73 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | 1.2D + 1.5Lm1 + 1.0Wm (270 D... | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 77 | 1.5 | 36 | 1 | 74 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 1.2D + 1.5Lm1 + 1.0Wm (300 D... | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 77 | 1.5 | 37 | 1 | 75 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 1.2D + 1.5Lm1 + 1.0Wm (330 D... | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 77 | 1.5 | 38 | 1 | 76 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | 1.2D + 1.5Lm2 + 1.0Wm (0 Deg) | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 78 | 1.5 | 27 | 1 | 65 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | 1.2D + 1.5Lm2 + 1.0Wm (30 Deg) | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 78 | 1.5 | 28 | 1 | 66 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | 1.2D + 1.5Lm2 + 1.0Wm (60 Deg) | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 78 | 1.5 | 29 | 1 | 67 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 1.2D + 1.5Lm2 + 1.0Wm (90 Deg) | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 78 | 1.5 | 30 | 1 | 68 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | 1.2D + 1.5Lm2 + 1.0Wm (120 D... | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 78 | 1.5 | 31 | 1 | 69 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | 1.2D + 1.5Lm2 + 1.0Wm (150 D... | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 78 | 1.5 | 32 | 1 | 70 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | 1.2D + 1.5Lm2 + 1.0Wm (180 D... | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 78 | 1.5 | 33 | 1 | 71 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | 1.2D + 1.5Lm2 + 1.0Wm (210 D... | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 78 | 1.5 | 34 | 1 | 72 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 1.2D + 1.5Lm2 + 1.0Wm (240 D... | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 78 | 1.5 | 35 | 1 | 73 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | 1.2D + 1.5Lm2 + 1.0Wm (270 D... | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 78 | 1.5 | 36 | 1 | 74 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | 1.2D + 1.5Lm2 + 1.0Wm (300 D... | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 78 | 1.5 | 37 | 1 | 75 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | 1.2D + 1.5Lm2 + 1.0Wm (330 D... | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 78 | 1.5 | 38 | 1 | 76 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | 1.2D + 1.5Lv1 | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 79 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 1.2D + 1.5Lv2 | Y... | Y | | 1 | 1.2 | 39 | 1.2 | 80 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | 1.4D | Y... | Y | | 1 | 1.4 | 39 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | Seismic Mass | | Y | | 1 | 1 | 39 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | 1.2D + 1.0Ev + 1.0Eh (0 Deg) | | Y | | 1 | 1.2 | 39 | 1.2 | SX | | SY | 1 | SZ | -1 | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | 1.2D + 1.0Ev + 1.0Eh (30 Deg) | | Y | | 1 | 1.2 | 39 | 1.2 | SX | .5 | SY | 1 | SZ | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 1.2D + 1.0Ev + 1.0Eh (60 Deg) | | Y | | 1 | 1.2 | 39 | 1.2 | SX | .8... | SY | 1 | SZ | -.5 | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | 1.2D + 1.0Ev + 1.0Eh (90 Deg) | | Y | | 1 | 1.2 | 39 | 1.2 | SX | 1 | SY | 1 | SZ | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | 1.2D + 1.0Ev + 1.0Eh (120 Deg) | | Y | | 1 | 1.2 | 39 | 1.2 | SX | .8... | SY | 1 | SZ | .5 | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | 1.2D + 1.0Ev + 1.0Eh (150 Deg) | | Y | | 1 | 1.2 | 39 | 1.2 | SX | .5 | SY | 1 | SZ | .8... | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | 1.2D + 1.0Ev + 1.0Eh (180 Deg) | | Y | | 1 | 1.2 | 39 | 1.2 | SX | | SY | 1 | SZ | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 1.2D + 1.0Ev + 1.0Eh (210 Deg) | | Y | | 1 | 1.2 | 39 | 1.2 | SX | -.5 | SY | 1 | SZ | .8... | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | 1.2D + 1.0Ev + 1.0Eh (240 Deg) | | Y | | 1 | 1.2 | 39 | 1.2 | SX | | SY | 1 | SZ | .5 | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | 1.2D + 1.0Ev + 1.0Eh (270 Deg) | | Y | | 1 | 1.2 | 39 | 1.2 | SX | -1 | SY | 1 | SZ | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | 1.2D + 1.0Ev + 1.0Eh (300 Deg) | | Y | | 1 | 1.2 | 39 | 1.2 | SX | | SY | 1 | SZ | -.5 | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | 1.2D + 1.0Ev + 1.0Eh (330 Deg) | | Y | | 1 | 1.2 | 39 | 1.2 | SX | -.5 | SY | 1 | SZ | | | | | | | | | | | | | | | | | | | | | | | | |

Joint Coordinates and Temperatures

| | Label | X [in] | Y [in] | Z [in] | Temp [F] | Detach From Diap... |
|----|-------|--------|--------|--------|----------|---------------------|
| 1 | N31 | 6 | 109.5 | 24.5 | 0 | |
| 2 | N32 | -174 | 109.5 | 24.5 | 0 | |
| 3 | N37 | 6 | 39 | 24.5 | 0 | |
| 4 | N38 | -174 | 39 | 24.5 | 0 | |
| 5 | N41 | -156 | 109.5 | 24.5 | 0 | |
| 6 | N42 | -156 | 39 | 24.5 | 0 | |
| 7 | N45 | -156 | 109.5 | 21.5 | 0 | |
| 8 | N46 | -156 | 39 | 21.5 | 0 | |
| 9 | N45A | -156 | 255 | 21.5 | 0 | |
| 10 | N46A | -156 | 15 | 21.5 | 0 | |
| 11 | N53 | -108. | 109.5 | 24.5 | 0 | |
| 12 | N54 | -108. | 39 | 24.5 | 0 | |
| 13 | N55 | -108. | 109.5 | 21.5 | 0 | |
| 14 | N56 | -108. | 39 | 21.5 | 0 | |
| 15 | N57 | -108. | 255 | 21.5 | 0 | |
| 16 | N58 | -108. | 15 | 21.5 | 0 | |



Joint Coordinates and Temperatures (Continued)

| | Label | X [in] | Y [in] | Z [in] | Temp [F] | Detach From Diap... |
|----|-------|--------|--------|------------|----------|---------------------|
| 17 | N59 | -12 | 109.5 | 24.5 | 0 | |
| 18 | N60 | -12 | 39 | 24.5 | 0 | |
| 19 | N61 | -12 | 109.5 | 21.5 | 0 | |
| 20 | N62 | -12 | 39 | 21.5 | 0 | |
| 21 | N63 | -12 | 255 | 21.5 | 0 | |
| 22 | N64 | -12 | 15 | 21.5 | 0 | |
| 23 | N29 | 0 | 109.5 | 24.5 | 0 | |
| 24 | N32A | -165 | 35.5 | 24.5 | 0 | |
| 25 | N33 | -156 | 207 | 21.5 | 0 | |
| 26 | N35 | -108. | 207 | 21.5 | 0 | |
| 27 | N36 | -12 | 207 | 21.5 | 0 | |
| 28 | N39 | -108. | 219 | 21.5 | 0 | |
| 29 | N40 | -108. | 195 | 21.5 | 0 | |
| 30 | N41A | -12 | 134. | 21.5 | 0 | |
| 31 | N44 | -108. | 133. | 21.5 | 0 | |
| 32 | N45B | -108. | 87 | 21.5 | 0 | |
| 33 | N46B | -156 | 57 | 21.5 | 0 | |
| 34 | N48A | -12 | 91.5 | 21.5 | 0 | |
| 35 | N50A | -12 | 55.5 | 21.5 | 0 | |
| 36 | N51A | -80. | 91.5 | 24.5 | 0 | |
| 37 | N52A | -12 | 91.5 | 24.5 | 0 | |
| 38 | N53A | -80. | 55.5 | 24.5 | 0 | |
| 39 | N54A | -12 | 55.5 | 24.5 | 0 | |
| 40 | N55A | -46. | 91.5 | 24.5 | 0 | |
| 41 | N56A | -46. | 55.5 | 24.5 | 0 | |
| 42 | N57A | -29. | 91.5 | 24.5 | 0 | |
| 43 | N58A | -29. | 55.5 | 24.5 | 0 | |
| 44 | N59A | -46. | 91.5 | 21.5 | 0 | |
| 45 | N60A | -46. | 55.5 | 21.5 | 0 | |
| 46 | N61A | -29. | 91.5 | 21.5 | 0 | |
| 47 | N62A | -29. | 55.5 | 21.5 | 0 | |
| 48 | N63A | -80 | 91.5 | 24.5 | 0 | |
| 49 | N66 | -80 | 55.5 | 24.5 | 0 | |
| 50 | N71 | -80 | 91.5 | 21.5 | 0 | |
| 51 | N72 | -80 | 55.5 | 21.5 | 0 | |
| 52 | N83 | 0. | 109.5 | 87.809701 | 0 | |
| 53 | N92 | -165 | 39 | 24.5 | 0 | |
| 54 | N97 | -168 | 109.5 | 87.809701 | 0 | |
| 55 | N98 | -168 | 109.5 | 24.5 | 0 | |
| 56 | N98A | -168 | 39 | 24.5 | 0 | |
| 57 | N100A | -168 | 39 | 147.261194 | 0 | |
| 58 | N102 | 0 | 39 | 24.5 | 0 | |
| 59 | N104 | 0. | 39 | 147.261194 | 0 | |
| 60 | N77 | 0. | 109.5 | 54.5 | 0 | |
| 61 | N79 | -168 | 109.5 | 54.5 | 0 | |
| 62 | N81 | -168 | 39 | 54.5 | 0 | |
| 63 | N83A | 0. | 39 | 54.5 | 0 | |
| 64 | N77A | -156 | 141 | 21.5 | 0 | |
| 65 | N78 | -168 | 109.5 | 36.5 | 0 | |
| 66 | N79A | -168 | 39 | 36.5 | 0 | |
| 67 | N80 | 0 | 109.5 | 36.5 | 0 | |
| 68 | N81A | 0 | 39 | 36.5 | 0 | |
| 69 | N82 | -60. | 109.5 | 24.5 | 0 | |
| 70 | N83B | -60. | 39 | 24.5 | 0 | |
| 71 | N84 | -60. | 109.5 | 21.5 | 0 | |
| 72 | N85 | -60. | 39 | 21.5 | 0 | |
| 73 | N86 | -60. | 255 | 21.5 | 0 | |



Joint Coordinates and Temperatures (Continued)

| | Label | X [in] | Y [in] | Z [in] | Temp [F] | Detach From Diap... |
|----|-------|--------|--------|--------|----------|---------------------|
| 74 | N87 | -60. | 15 | 21.5 | 0 | |
| 75 | N88 | -60. | 207 | 21.5 | 0 | |
| 76 | N89 | -60. | 237 | 21.5 | 0 | |
| 77 | N90 | -60. | 177 | 21.5 | 0 | |
| 78 | N91 | -60. | 147 | 21.5 | 0 | |
| 79 | N92A | -60. | 129 | 21.5 | 0 | |
| 80 | N93 | -60. | 91.5 | 21.5 | 0 | |
| 81 | N94 | -60. | 55.5 | 21.5 | 0 | |
| 82 | N95 | -60. | 91.5 | 24.5 | 0 | |
| 83 | N96 | -60. | 55.5 | 24.5 | 0 | |

Hot Rolled Steel Section Sets

| | Label | Shape | Type | Design List | Material | Design Rules A [in2] | Iyy [i...] | Izz [i...] | J [in4] | |
|----|---------------------|------------|--------|--------------|-----------|----------------------|------------|------------|---------|------|
| 1 | Antenna Pipe | PIPE 3.0 | Column | Pipe | A53 Gr. B | Typical | 2.07 | 2.85 | 2.85 | 5.69 |
| 2 | Face Horizontal | PIPE 3.0 | Beam | Pipe | A53 Gr. B | Typical | 2.07 | 2.85 | 2.85 | 5.69 |
| 3 | Frame Horizontal 3 | L4X4X4 | Beam | Single Angle | A36 Gr.36 | Typical | 1.93 | 3 | 3 | .044 |
| 4 | TES Unistrut | C3X6 | Beam | Single Angle | A36 Gr.36 | Typical | 1.76 | .3 | 2.07 | .072 |
| 5 | Frame Angle | L4X4X6 | Beam | Single Angle | A36 Gr.36 | Typical | 2.86 | 4.32 | 4.32 | .141 |
| 6 | Frame Angle Top | L4X4X4 | Beam | Single Angle | A36 Gr.36 | Typical | 1.93 | 3 | 3 | .044 |
| 7 | Frame Brace | L4X3X4 | Beam | Single Angle | A36 Gr.36 | Typical | 1.69 | 1.33 | 2.75 | .039 |
| 8 | Frame Diagonal | L3.5X3.5X5 | Beam | Single Angle | A36 Gr.36 | Typical | 2.1 | 2.44 | 2.44 | .073 |
| 9 | Frame Vertical | L4X3X4 | Beam | Single Angle | A36 Gr.36 | Typical | 1.69 | 1.33 | 2.75 | .039 |
| 10 | Kicker | L7X4X6 | Beam | Single Angle | A36 Gr.36 | Typical | 4 | 5.06 | 20.5 | .198 |
| 11 | Replacement Pipe | PIPE 3.5X | Column | Pipe | A53 Gr. B | Typical | 3.43 | 5.94 | 5.94 | 11.9 |
| 12 | Replacement Hori... | PIPE 3.5X | Beam | Pipe | A53 Gr. B | Typical | 3.43 | 5.94 | 5.94 | 11.9 |
| 13 | Replaement Pipe 2 | PIPE 3.5X | Beam | Pipe | A53 Gr. B | Typical | 3.43 | 5.94 | 5.94 | 11.9 |
| 14 | Mod Angle | L3X3X4 | Beam | Single Angle | A36 Gr.36 | Typical | 1.44 | 1.23 | 1.23 | .031 |

Hot Rolled Steel Properties

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

Cold Formed Steel Section Sets

| | Label | Shape | Type | Design List | Material | Design R... | A [in2] | Iyy [in4] | Izz [in4] | J [in4] |
|---|----------|------------|------|-------------|------------|-------------|---------|-----------|-----------|---------|
| 1 | Unistrut | 1.625CS... | Beam | None | A570 Gr.33 | Typical | .6 | .184 | .25 | .003 |

Cold Formed Steel Properties

| | Label | E [ksi] | G [ksi] | Nu | Therm (/1E... | Density[k/ft^3] | Yield[ksi] | Fu[ksi] |
|---|---------------|---------|---------|----|---------------|-----------------|------------|---------|
| 1 | A570 Gr.33 | 29500 | 11346 | .3 | .65 | .49 | 33 | 52 |
| 2 | A607 C1 Gr.55 | 29500 | 11346 | .3 | .65 | .49 | 55 | 70 |



Member Primary Data

| | Label | I Joint | J Joint | K Joint | Rotate(deg) | Section/Shape | Type | Design List | Material | Design Rules |
|----|-------|---------|---------|---------|-------------|------------------|--------|--------------|------------|--------------|
| 1 | M21 | N31 | N32 | | | Replacement ... | Beam | Pipe | A53 Gr. B | Typical |
| 2 | M24 | N37 | N38 | | | Face Horizontal | Beam | Pipe | A53 Gr. B | Typical |
| 3 | M27 | N41 | N45 | | | RIGID | None | None | RIGID | Typical |
| 4 | M28 | N42 | N46 | | | RIGID | None | None | RIGID | Typical |
| 5 | MP4A | N45A | N46A | | | Replacement ... | Column | Pipe | A53 Gr. B | Typical |
| 6 | M33 | N53 | N55 | | | RIGID | None | None | RIGID | Typical |
| 7 | M34 | N54 | N56 | | | RIGID | None | None | RIGID | Typical |
| 8 | MP3A | N57 | N58 | | | Antenna Pipe | Column | Pipe | A53 Gr. B | Typical |
| 9 | M36 | N59 | N61 | | | RIGID | None | None | RIGID | Typical |
| 10 | M37 | N60 | N62 | | | RIGID | None | None | RIGID | Typical |
| 11 | MP1A | N63 | N64 | | | Antenna Pipe | Column | Pipe | A53 Gr. B | Typical |
| 12 | M15 | N48A | N52A | | 90 | RIGID | None | None | RIGID | Typical |
| 13 | M16 | N50A | N54A | | 90 | RIGID | None | None | RIGID | Typical |
| 14 | M19 | N51A | N52A | | 90 | Frame Horizon... | Beam | Single Angle | A36 Gr.36 | Typical |
| 15 | M20 | N53A | N54A | | 90 | Frame Horizon... | Beam | Single Angle | A36 Gr.36 | Typical |
| 16 | M21A | N57A | N61A | | 90 | RIGID | None | None | RIGID | Typical |
| 17 | M22 | N58A | N62A | | 90 | RIGID | None | None | RIGID | Typical |
| 18 | M23 | N56A | N60A | | 90 | RIGID | None | None | RIGID | Typical |
| 19 | M24A | N59A | N55A | | 90 | RIGID | None | None | RIGID | Typical |
| 20 | M25 | N59A | N60A | | 180 | Unistrut | Beam | None | A570 Gr.33 | Typical |
| 21 | M26 | N61A | N62A | | 180 | Unistrut | Beam | None | A570 Gr.33 | Typical |
| 22 | M27A | N63A | N71 | | 90 | RIGID | None | None | RIGID | Typical |
| 23 | M28A | N66 | N72 | | 90 | RIGID | None | None | RIGID | Typical |
| 24 | M29 | N71 | N72 | | 180 | Unistrut | Beam | None | A570 Gr.33 | Typical |
| 25 | M32 | N29 | N83 | | 90 | Frame Angle T... | Beam | Single Angle | A36 Gr.36 | Typical |
| 26 | M51 | N98 | N97 | | 90 | Frame Angle T... | Beam | Single Angle | A36 Gr.36 | Typical |
| 27 | M51A | N98A | N100A | | 180 | Frame Angle | Beam | Single Angle | A36 Gr.36 | Typical |
| 28 | M53A | N102 | N104 | | 90 | Frame Angle | Beam | Single Angle | A36 Gr.36 | Typical |
| 29 | M34A | N78 | N79A | | | Mod Angle | Beam | Single Angle | A36 Gr.36 | Typical |
| 30 | M35 | N80 | N81A | | 90 | Mod Angle | Beam | Single Angle | A36 Gr.36 | Typical |
| 31 | M36A | N82 | N84 | | | RIGID | None | None | RIGID | Typical |
| 32 | M37A | N83B | N85 | | | RIGID | None | None | RIGID | Typical |
| 33 | M38 | N86 | N87 | | | Replacement ... | Column | Pipe | A53 Gr. B | Typical |
| 34 | M39 | N94 | N96 | | 90 | RIGID | None | None | RIGID | Typical |
| 35 | M40 | N93 | N95 | | 90 | RIGID | None | None | RIGID | Typical |

Member Advanced Data

| | Label | I Release | J Release | I Offset[in] | J Offset[in] | T/C Only | Physical | Defl Ra... | Analysis ... | Inactive | Seismi... |
|----|-------|-----------|-----------|--------------|--------------|----------|----------|------------|--------------|----------|-----------|
| 1 | M21 | | | | | | Yes | Default | | | None |
| 2 | M24 | | | | | | Yes | | | | None |
| 3 | M27 | | | | | | Yes | ** NA ** | | | None |
| 4 | M28 | | | | | | Yes | ** NA ** | | | None |
| 5 | MP4A | | | | | | Yes | ** NA ** | | | None |
| 6 | M33 | | | | | | Yes | ** NA ** | | | None |
| 7 | M34 | | | | | | Yes | ** NA ** | | | None |
| 8 | MP3A | | | | | | Yes | ** NA ** | | | None |
| 9 | M36 | | | | | | Yes | ** NA ** | | | None |
| 10 | M37 | | | | | | Yes | ** NA ** | | | None |
| 11 | MP1A | | | | | | Yes | ** NA ** | | | None |
| 12 | M15 | | | | | | Yes | ** NA ** | | | None |
| 13 | M16 | | | | | | Yes | ** NA ** | | | None |
| 14 | M19 | BenPIN | BenPIN | | | | Yes | | | | None |
| 15 | M20 | BenPIN | BenPIN | | | | Yes | | | | None |
| 16 | M21A | | | | | | Yes | ** NA ** | | | None |
| 17 | M22 | | | | | | Yes | ** NA ** | | | None |



Member Advanced Data (Continued)

| | Label | I Release | J Release | I Offset[in] | J Offset[in] | T/C Only | Physical | Def Ra... | Analysis ... | Inactive | Seismi... |
|----|-------|-----------|-----------|--------------|--------------|----------|----------|-----------|--------------|----------|-----------|
| 18 | M23 | | | | | | Yes | ** NA ** | | | None |
| 19 | M24A | | | | | | Yes | ** NA ** | | | None |
| 20 | M25 | BenPIN | BenPIN | | | | Yes | | | | None |
| 21 | M26 | BenPIN | BenPIN | | | | Yes | | | | None |
| 22 | M27A | | | | | | Yes | ** NA ** | | | None |
| 23 | M28A | | | | | | Yes | ** NA ** | | | None |
| 24 | M29 | BenPIN | BenPIN | | | | Yes | Default | | | None |
| 25 | M32 | BenPIN | | | | | Yes | | | | None |
| 26 | M51 | BenPIN | | | | | Yes | Default | | | None |
| 27 | M51A | BenPIN | | | | | Yes | Default | | | None |
| 28 | M53A | BenPIN | | | | | Yes | | | | None |
| 29 | M34A | BenPIN | BenPIN | | | | Yes | Default | | | None |
| 30 | M35 | BenPIN | BenPIN | | | | Yes | Default | | | None |
| 31 | M36A | | | | | | Yes | ** NA ** | | | None |
| 32 | M37A | | | | | | Yes | ** NA ** | | | None |
| 33 | M38 | | | | | | Yes | ** NA ** | | | None |
| 34 | M39 | | | | | | Yes | ** NA ** | | | None |
| 35 | M40 | | | | | | Yes | ** NA ** | | | None |

Hot Rolled Steel Design Parameters

| | Label | Shape | Length[in] | Lbyy[in] | Lbzz[in] | Lcomp t... | Lcomp b... | L-tor... | Kyy | Kzz | Cb | Function |
|----|-------|------------------------|------------|----------|----------|------------|------------|----------|-----|-----|----|----------|
| 1 | M21 | Replacement Horizon... | 180 | | | Lbyy | | | | | | Lateral |
| 2 | M24 | Face Horizontal | 180 | | | Lbyy | | | | | | Lateral |
| 3 | MP4A | Replacement Pipe | 240 | | | | | | | | | Lateral |
| 4 | MP3A | Antenna Pipe | 240 | | | | | | | | | Lateral |
| 5 | MP1A | Antenna Pipe | 240 | | | | | | | | | Lateral |
| 6 | M19 | Frame Horizontal 3 | 68 | | | Lbyy | | | | | | Lateral |
| 7 | M20 | Frame Horizontal 3 | 68 | | | Lbyy | | | | | | Lateral |
| 8 | M32 | Frame Angle Top | 63.31 | | | Lbyy | | | | | | Lateral |
| 9 | M51 | Frame Angle Top | 63.31 | | | Lbyy | | | | | | Lateral |
| 10 | M51A | Frame Angle | 122.761 | | | Lbyy | | | | | | Lateral |
| 11 | M53A | Frame Angle | 122.761 | | | Lbyy | | | | | | Lateral |
| 12 | M34A | Mod Angle | 70.5 | | | Lbyy | | | | | | Lateral |
| 13 | M35 | Mod Angle | 70.5 | | | Lbyy | | | | | | Lateral |
| 14 | M38 | Replacement Pipe | 240 | | | | | | | | | Lateral |

Cold Formed Steel Design Parameters

| | Label | Shape | Length... | Lbyy[in] | Lbzz[in] | Lcomp to... | Lcomp bo... | L-torque[in] | Kyy | Kzz | Cb | R | a[in] | Funct... |
|---|-------|----------|-----------|----------|----------|-------------|-------------|--------------|-----|-----|----|---|-------|----------|
| 1 | M25 | Unistrut | 36 | | | Lbyy | | | | | | | | Lateral |
| 2 | M26 | Unistrut | 36 | | | Lbyy | | | | | | | | Lateral |
| 3 | M29 | Unistrut | 36 | | | Lbyy | | | | | | | | Lateral |

Member Point Loads (BLC 1 : Antenna D)

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP3A | Y | -43.55 | 24 |
| 2 | MP3A | My | .014 | 24 |
| 3 | MP3A | Mz | .017 | 24 |
| 4 | MP3A | Y | -43.55 | 48 |
| 5 | MP3A | My | .014 | 48 |
| 6 | MP3A | Mz | .017 | 48 |
| 7 | MP4A | Y | -9.6 | 3 |
| 8 | MP4A | My | .005 | 3 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 9 | MP4A | Mz | .006 | 3 |
| 10 | MP4A | Y | -9.6 | 63 |
| 11 | MP4A | My | .005 | 63 |
| 12 | MP4A | Mz | .006 | 63 |
| 13 | MP4A | Y | -14 | 198 |
| 14 | MP4A | My | -.005 | 198 |
| 15 | MP4A | Mz | -.006 | 198 |
| 16 | M26 | Y | -10.4 | 18 |
| 17 | M26 | My | 0 | 18 |
| 18 | M26 | Mz | 0 | 18 |
| 19 | M25 | Y | -84.4 | 18 |
| 20 | M25 | My | 0 | 18 |
| 21 | M25 | Mz | 0 | 18 |
| 22 | M29 | Y | -70.3 | 18 |
| 23 | M29 | My | 0 | 18 |
| 24 | M29 | Mz | 0 | 18 |
| 25 | MP1A | Y | -23.2 | 42 |
| 26 | MP1A | My | .007 | 42 |
| 27 | MP1A | Mz | .009 | 42 |
| 28 | M38 | Y | -31.65 | 18 |
| 29 | M38 | My | .037 | 18 |
| 30 | M38 | Mz | .011 | 18 |
| 31 | M38 | Y | -31.65 | 78 |
| 32 | M38 | My | .037 | 78 |
| 33 | M38 | Mz | .011 | 78 |
| 34 | M38 | Y | -31.65 | 18 |
| 35 | M38 | My | .004 | 18 |
| 36 | M38 | Mz | .038 | 18 |
| 37 | M38 | Y | -31.65 | 78 |
| 38 | M38 | My | .004 | 78 |
| 39 | M38 | Mz | .038 | 78 |

Member Point Loads (BLC 2 : Antenna Di)

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | Y | -48.738 | 24 |
| 2 | MP3A | My | .016 | 24 |
| 3 | MP3A | Mz | .019 | 24 |
| 4 | MP3A | Y | -48.738 | 48 |
| 5 | MP3A | My | .016 | 48 |
| 6 | MP3A | Mz | .019 | 48 |
| 7 | MP4A | Y | -59.838 | 3 |
| 8 | MP4A | My | .032 | 3 |
| 9 | MP4A | Mz | .038 | 3 |
| 10 | MP4A | Y | -59.838 | 63 |
| 11 | MP4A | My | .032 | 63 |
| 12 | MP4A | Mz | .038 | 63 |
| 13 | MP4A | Y | -35.276 | 198 |
| 14 | MP4A | My | -.013 | 198 |
| 15 | MP4A | Mz | -.016 | 198 |
| 16 | M26 | Y | -13.057 | 18 |
| 17 | M26 | My | 0 | 18 |
| 18 | M26 | Mz | 0 | 18 |
| 19 | M25 | Y | -53.385 | 18 |
| 20 | M25 | My | 0 | 18 |
| 21 | M25 | Mz | 0 | 18 |
| 22 | M29 | Y | -48.073 | 18 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 23 | M29 | My | 0 | 18 |
| 24 | M29 | Mz | 0 | 18 |
| 25 | MP1A | Y | -35.704 | 42 |
| 26 | MP1A | My | .011 | 42 |
| 27 | MP1A | Mz | .014 | 42 |
| 28 | M38 | Y | -82.678 | 18 |
| 29 | M38 | My | .095 | 18 |
| 30 | M38 | Mz | .028 | 18 |
| 31 | M38 | Y | -82.678 | 78 |
| 32 | M38 | My | .095 | 78 |
| 33 | M38 | Mz | .028 | 78 |
| 34 | M38 | Y | -82.678 | 18 |
| 35 | M38 | My | .011 | 18 |
| 36 | M38 | Mz | .099 | 18 |
| 37 | M38 | Y | -82.678 | 78 |
| 38 | M38 | My | .011 | 78 |
| 39 | M38 | Mz | .099 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 0 | 24 |
| 2 | MP3A | Z | -70.643 | 24 |
| 3 | MP3A | Mx | -.027 | 24 |
| 4 | MP3A | X | 0 | 48 |
| 5 | MP3A | Z | -70.643 | 48 |
| 6 | MP3A | Mx | -.027 | 48 |
| 7 | MP4A | X | 0 | 3 |
| 8 | MP4A | Z | -125.484 | 3 |
| 9 | MP4A | Mx | -.08 | 3 |
| 10 | MP4A | X | 0 | 63 |
| 11 | MP4A | Z | -125.484 | 63 |
| 12 | MP4A | Mx | -.08 | 63 |
| 13 | MP4A | X | 0 | 198 |
| 14 | MP4A | Z | -47.716 | 198 |
| 15 | MP4A | Mx | .021 | 198 |
| 16 | M26 | X | 0 | 18 |
| 17 | M26 | Z | -12.13 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 0 | 18 |
| 20 | M25 | Z | -59.32 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 0 | 18 |
| 23 | M29 | Z | -48.55 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 0 | 42 |
| 26 | MP1A | Z | -50.267 | 42 |
| 27 | MP1A | Mx | -.019 | 42 |
| 28 | M38 | X | 0 | 18 |
| 29 | M38 | Z | -170.083 | 18 |
| 30 | M38 | Mx | -.057 | 18 |
| 31 | M38 | X | 0 | 78 |
| 32 | M38 | Z | -170.083 | 78 |
| 33 | M38 | Mx | -.057 | 78 |
| 34 | M38 | X | 0 | 18 |
| 35 | M38 | Z | -170.083 | 18 |
| 36 | M38 | Mx | -.203 | 18 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in. %] |
|----|--------------|-----------|--------------------|-----------------|
| 37 | M38 | X | 0 | 78 |
| 38 | M38 | Z | -170.083 | 78 |
| 39 | M38 | Mx | -.203 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in. %] |
|----|--------------|-----------|--------------------|-----------------|
| 1 | MP3A | X | 51.029 | 24 |
| 2 | MP3A | Z | -88.384 | 24 |
| 3 | MP3A | Mx | -.017 | 24 |
| 4 | MP3A | X | 51.029 | 48 |
| 5 | MP3A | Z | -88.384 | 48 |
| 6 | MP3A | Mx | -.017 | 48 |
| 7 | MP4A | X | 80.454 | 3 |
| 8 | MP4A | Z | -139.35 | 3 |
| 9 | MP4A | Mx | -.046 | 3 |
| 10 | MP4A | X | 80.454 | 63 |
| 11 | MP4A | Z | -139.35 | 63 |
| 12 | MP4A | Mx | -.046 | 63 |
| 13 | MP4A | X | 26.282 | 198 |
| 14 | MP4A | Z | -45.521 | 198 |
| 15 | MP4A | Mx | .01 | 198 |
| 16 | M26 | X | 7.086 | 18 |
| 17 | M26 | Z | -12.273 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 35.212 | 18 |
| 20 | M25 | Z | -60.989 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 31.954 | 18 |
| 23 | M29 | Z | -55.345 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 33.649 | 42 |
| 26 | MP1A | Z | -58.282 | 42 |
| 27 | MP1A | Mx | -.012 | 42 |
| 28 | M38 | X | 102.213 | 18 |
| 29 | M38 | Z | -177.039 | 18 |
| 30 | M38 | Mx | .058 | 18 |
| 31 | M38 | X | 102.213 | 78 |
| 32 | M38 | Z | -177.039 | 78 |
| 33 | M38 | Mx | .058 | 78 |
| 34 | M38 | X | 102.213 | 18 |
| 35 | M38 | Z | -177.039 | 18 |
| 36 | M38 | Mx | -.198 | 18 |
| 37 | M38 | X | 102.213 | 78 |
| 38 | M38 | Z | -177.039 | 78 |
| 39 | M38 | Mx | -.198 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in. %] |
|---|--------------|-----------|--------------------|-----------------|
| 1 | MP3A | X | 93.412 | 24 |
| 2 | MP3A | Z | -53.931 | 24 |
| 3 | MP3A | Mx | .009 | 24 |
| 4 | MP3A | X | 93.412 | 48 |
| 5 | MP3A | Z | -53.931 | 48 |
| 6 | MP3A | Mx | .009 | 48 |
| 7 | MP4A | X | 145.019 | 3 |
| 8 | MP4A | Z | -83.727 | 3 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 9 | MP4A | Mx | .024 | 3 |
| 10 | MP4A | X | 145.019 | 63 |
| 11 | MP4A | Z | -83.727 | 63 |
| 12 | MP4A | Mx | .024 | 63 |
| 13 | MP4A | X | 46.297 | 198 |
| 14 | MP4A | Z | -26.73 | 198 |
| 15 | MP4A | Mx | -.005 | 198 |
| 16 | M26 | X | 14.442 | 18 |
| 17 | M26 | Z | -8.338 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 72.784 | 18 |
| 20 | M25 | Z | -42.022 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 71.659 | 18 |
| 23 | M29 | Z | -41.373 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 61.007 | 42 |
| 26 | MP1A | Z | -35.222 | 42 |
| 27 | MP1A | Mx | .006 | 42 |
| 28 | M38 | X | 182.535 | 18 |
| 29 | M38 | Z | -105.387 | 18 |
| 30 | M38 | Mx | .175 | 18 |
| 31 | M38 | X | 182.535 | 78 |
| 32 | M38 | Z | -105.387 | 78 |
| 33 | M38 | Mx | .175 | 78 |
| 34 | M38 | X | 182.535 | 18 |
| 35 | M38 | Z | -105.387 | 18 |
| 36 | M38 | Mx | -.102 | 18 |
| 37 | M38 | X | 182.535 | 78 |
| 38 | M38 | Z | -105.387 | 78 |
| 39 | M38 | Mx | -.102 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 82.253 | 24 |
| 2 | MP3A | Z | 0 | 24 |
| 3 | MP3A | Mx | .026 | 24 |
| 4 | MP3A | X | 82.253 | 48 |
| 5 | MP3A | Z | 0 | 48 |
| 6 | MP3A | Mx | .026 | 48 |
| 7 | MP4A | X | 138.576 | 3 |
| 8 | MP4A | Z | 0 | 3 |
| 9 | MP4A | Mx | .074 | 3 |
| 10 | MP4A | X | 138.576 | 63 |
| 11 | MP4A | Z | 0 | 63 |
| 12 | MP4A | Mx | .074 | 63 |
| 13 | MP4A | X | 49.507 | 198 |
| 14 | MP4A | Z | 0 | 198 |
| 15 | MP4A | Mx | -.019 | 198 |
| 16 | M26 | X | 17.139 | 18 |
| 17 | M26 | Z | 0 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 86.561 | 18 |
| 20 | M25 | Z | 0 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 86.226 | 18 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 23 | M29 | Z | 0 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 56.561 | 42 |
| 26 | MP1A | Z | 0 | 42 |
| 27 | MP1A | Mx | .018 | 42 |
| 28 | M38 | X | 182.776 | 18 |
| 29 | M38 | Z | 0 | 18 |
| 30 | M38 | Mx | .211 | 18 |
| 31 | M38 | X | 182.776 | 78 |
| 32 | M38 | Z | 0 | 78 |
| 33 | M38 | Mx | .211 | 78 |
| 34 | M38 | X | 182.776 | 18 |
| 35 | M38 | Z | 0 | 18 |
| 36 | M38 | Mx | .024 | 18 |
| 37 | M38 | X | 182.776 | 78 |
| 38 | M38 | Z | 0 | 78 |
| 39 | M38 | Mx | .024 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 44.027 | 24 |
| 2 | MP3A | Z | 25.419 | 24 |
| 3 | MP3A | Mx | .024 | 24 |
| 4 | MP3A | X | 44.027 | 48 |
| 5 | MP3A | Z | 25.419 | 48 |
| 6 | MP3A | Mx | .024 | 48 |
| 7 | MP4A | X | 89.332 | 3 |
| 8 | MP4A | Z | 51.576 | 3 |
| 9 | MP4A | Mx | .081 | 3 |
| 10 | MP4A | X | 89.332 | 63 |
| 11 | MP4A | Z | 51.576 | 63 |
| 12 | MP4A | Mx | .081 | 63 |
| 13 | MP4A | X | 38.676 | 198 |
| 14 | MP4A | Z | 22.33 | 198 |
| 15 | MP4A | Mx | -.024 | 198 |
| 16 | M26 | X | 13.075 | 18 |
| 17 | M26 | Z | 7.549 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 65.348 | 18 |
| 20 | M25 | Z | 37.729 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 61.375 | 18 |
| 23 | M29 | Z | 35.435 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 34.234 | 42 |
| 26 | MP1A | Z | 19.765 | 42 |
| 27 | MP1A | Mx | .019 | 42 |
| 28 | M38 | X | 128.545 | 18 |
| 29 | M38 | Z | 74.216 | 18 |
| 30 | M38 | Mx | .173 | 18 |
| 31 | M38 | X | 128.545 | 78 |
| 32 | M38 | Z | 74.216 | 78 |
| 33 | M38 | Mx | .173 | 78 |
| 34 | M38 | X | 128.545 | 18 |
| 35 | M38 | Z | 74.216 | 18 |
| 36 | M38 | Mx | .106 | 18 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 37 | M38 | X | 128.545 | 78 |
| 38 | M38 | Z | 74.216 | 78 |
| 39 | M38 | Mx | .106 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 22.517 | 24 |
| 2 | MP3A | Z | 39 | 24 |
| 3 | MP3A | Mx | .022 | 24 |
| 4 | MP3A | X | 22.517 | 48 |
| 5 | MP3A | Z | 39 | 48 |
| 6 | MP3A | Mx | .022 | 48 |
| 7 | MP4A | X | 48.303 | 3 |
| 8 | MP4A | Z | 83.663 | 3 |
| 9 | MP4A | Mx | .079 | 3 |
| 10 | MP4A | X | 48.303 | 63 |
| 11 | MP4A | Z | 83.663 | 63 |
| 12 | MP4A | Mx | .079 | 63 |
| 13 | MP4A | X | 21.882 | 198 |
| 14 | MP4A | Z | 37.901 | 198 |
| 15 | MP4A | Mx | -.025 | 198 |
| 16 | M26 | X | 6.297 | 18 |
| 17 | M26 | Z | 10.906 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 30.919 | 18 |
| 20 | M25 | Z | 53.553 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 26.016 | 18 |
| 23 | M29 | Z | 45.061 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 18.191 | 42 |
| 26 | MP1A | Z | 31.508 | 42 |
| 27 | MP1A | Mx | .018 | 42 |
| 28 | M38 | X | 71.043 | 18 |
| 29 | M38 | Z | 123.049 | 18 |
| 30 | M38 | Mx | .123 | 18 |
| 31 | M38 | X | 71.043 | 78 |
| 32 | M38 | Z | 123.049 | 78 |
| 33 | M38 | Mx | .123 | 78 |
| 34 | M38 | X | 71.043 | 18 |
| 35 | M38 | Z | 123.049 | 18 |
| 36 | M38 | Mx | .156 | 18 |
| 37 | M38 | X | 71.043 | 78 |
| 38 | M38 | Z | 123.049 | 78 |
| 39 | M38 | Mx | .156 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 0 | 24 |
| 2 | MP3A | Z | 70.643 | 24 |
| 3 | MP3A | Mx | .027 | 24 |
| 4 | MP3A | X | 0 | 48 |
| 5 | MP3A | Z | 70.643 | 48 |
| 6 | MP3A | Mx | .027 | 48 |
| 7 | MP4A | X | 0 | 3 |
| 8 | MP4A | Z | 125.484 | 3 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 9 | MP4A | Mx | .08 | 3 |
| 10 | MP4A | X | 0 | 63 |
| 11 | MP4A | Z | 125.484 | 63 |
| 12 | MP4A | Mx | .08 | 63 |
| 13 | MP4A | X | 0 | 198 |
| 14 | MP4A | Z | 47.716 | 198 |
| 15 | MP4A | Mx | -.021 | 198 |
| 16 | M26 | X | 0 | 18 |
| 17 | M26 | Z | 12.13 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 0 | 18 |
| 20 | M25 | Z | 59.32 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 0 | 18 |
| 23 | M29 | Z | 48.55 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 0 | 42 |
| 26 | MP1A | Z | 50.267 | 42 |
| 27 | MP1A | Mx | .019 | 42 |
| 28 | M38 | X | 0 | 18 |
| 29 | M38 | Z | 170.083 | 18 |
| 30 | M38 | Mx | .057 | 18 |
| 31 | M38 | X | 0 | 78 |
| 32 | M38 | Z | 170.083 | 78 |
| 33 | M38 | Mx | .057 | 78 |
| 34 | M38 | X | 0 | 18 |
| 35 | M38 | Z | 170.083 | 18 |
| 36 | M38 | Mx | .203 | 18 |
| 37 | M38 | X | 0 | 78 |
| 38 | M38 | Z | 170.083 | 78 |
| 39 | M38 | Mx | .203 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -51.029 | 24 |
| 2 | MP3A | Z | 88.384 | 24 |
| 3 | MP3A | Mx | .017 | 24 |
| 4 | MP3A | X | -51.029 | 48 |
| 5 | MP3A | Z | 88.384 | 48 |
| 6 | MP3A | Mx | .017 | 48 |
| 7 | MP4A | X | -80.454 | 3 |
| 8 | MP4A | Z | 139.35 | 3 |
| 9 | MP4A | Mx | .046 | 3 |
| 10 | MP4A | X | -80.454 | 63 |
| 11 | MP4A | Z | 139.35 | 63 |
| 12 | MP4A | Mx | .046 | 63 |
| 13 | MP4A | X | -26.282 | 198 |
| 14 | MP4A | Z | 45.521 | 198 |
| 15 | MP4A | Mx | -.01 | 198 |
| 16 | M26 | X | -7.086 | 18 |
| 17 | M26 | Z | 12.273 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | -35.212 | 18 |
| 20 | M25 | Z | 60.989 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | -31.954 | 18 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 23 | M29 | Z | 55.345 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | -33.649 | 42 |
| 26 | MP1A | Z | 58.282 | 42 |
| 27 | MP1A | Mx | .012 | 42 |
| 28 | M38 | X | -102.213 | 18 |
| 29 | M38 | Z | 177.039 | 18 |
| 30 | M38 | Mx | -.058 | 18 |
| 31 | M38 | X | -102.213 | 78 |
| 32 | M38 | Z | 177.039 | 78 |
| 33 | M38 | Mx | -.058 | 78 |
| 34 | M38 | X | -102.213 | 18 |
| 35 | M38 | Z | 177.039 | 18 |
| 36 | M38 | Mx | .198 | 18 |
| 37 | M38 | X | -102.213 | 78 |
| 38 | M38 | Z | 177.039 | 78 |
| 39 | M38 | Mx | .198 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -93.412 | 24 |
| 2 | MP3A | Z | 53.931 | 24 |
| 3 | MP3A | Mx | -.009 | 24 |
| 4 | MP3A | X | -93.412 | 48 |
| 5 | MP3A | Z | 53.931 | 48 |
| 6 | MP3A | Mx | -.009 | 48 |
| 7 | MP4A | X | -145.019 | 3 |
| 8 | MP4A | Z | 83.727 | 3 |
| 9 | MP4A | Mx | -.024 | 3 |
| 10 | MP4A | X | -145.019 | 63 |
| 11 | MP4A | Z | 83.727 | 63 |
| 12 | MP4A | Mx | -.024 | 63 |
| 13 | MP4A | X | -46.297 | 198 |
| 14 | MP4A | Z | 26.73 | 198 |
| 15 | MP4A | Mx | .005 | 198 |
| 16 | M26 | X | -14.442 | 18 |
| 17 | M26 | Z | 8.338 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | -72.784 | 18 |
| 20 | M25 | Z | 42.022 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | -71.659 | 18 |
| 23 | M29 | Z | 41.373 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | -61.007 | 42 |
| 26 | MP1A | Z | 35.222 | 42 |
| 27 | MP1A | Mx | -.006 | 42 |
| 28 | M38 | X | -182.535 | 18 |
| 29 | M38 | Z | 105.387 | 18 |
| 30 | M38 | Mx | -.175 | 18 |
| 31 | M38 | X | -182.535 | 78 |
| 32 | M38 | Z | 105.387 | 78 |
| 33 | M38 | Mx | -.175 | 78 |
| 34 | M38 | X | -182.535 | 18 |
| 35 | M38 | Z | 105.387 | 18 |
| 36 | M38 | Mx | .102 | 18 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 37 | M38 | X | -182.535 | 78 |
| 38 | M38 | Z | 105.387 | 78 |
| 39 | M38 | Mx | .102 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -82.253 | 24 |
| 2 | MP3A | Z | 0 | 24 |
| 3 | MP3A | Mx | -.026 | 24 |
| 4 | MP3A | X | -82.253 | 48 |
| 5 | MP3A | Z | 0 | 48 |
| 6 | MP3A | Mx | -.026 | 48 |
| 7 | MP4A | X | -138.576 | 3 |
| 8 | MP4A | Z | 0 | 3 |
| 9 | MP4A | Mx | -.074 | 3 |
| 10 | MP4A | X | -138.576 | 63 |
| 11 | MP4A | Z | 0 | 63 |
| 12 | MP4A | Mx | -.074 | 63 |
| 13 | MP4A | X | -49.507 | 198 |
| 14 | MP4A | Z | 0 | 198 |
| 15 | MP4A | Mx | .019 | 198 |
| 16 | M26 | X | -17.139 | 18 |
| 17 | M26 | Z | 0 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | -86.561 | 18 |
| 20 | M25 | Z | 0 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | -86.226 | 18 |
| 23 | M29 | Z | 0 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | -56.561 | 42 |
| 26 | MP1A | Z | 0 | 42 |
| 27 | MP1A | Mx | -.018 | 42 |
| 28 | M38 | X | -182.776 | 18 |
| 29 | M38 | Z | 0 | 18 |
| 30 | M38 | Mx | -.211 | 18 |
| 31 | M38 | X | -182.776 | 78 |
| 32 | M38 | Z | 0 | 78 |
| 33 | M38 | Mx | -.211 | 78 |
| 34 | M38 | X | -182.776 | 18 |
| 35 | M38 | Z | 0 | 18 |
| 36 | M38 | Mx | -.024 | 18 |
| 37 | M38 | X | -182.776 | 78 |
| 38 | M38 | Z | 0 | 78 |
| 39 | M38 | Mx | -.024 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -44.027 | 24 |
| 2 | MP3A | Z | -25.419 | 24 |
| 3 | MP3A | Mx | -.024 | 24 |
| 4 | MP3A | X | -44.027 | 48 |
| 5 | MP3A | Z | -25.419 | 48 |
| 6 | MP3A | Mx | -.024 | 48 |
| 7 | MP4A | X | -89.332 | 3 |
| 8 | MP4A | Z | -51.576 | 3 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 9 | MP4A | Mx | -.081 | 3 |
| 10 | MP4A | X | -89.332 | 63 |
| 11 | MP4A | Z | -51.576 | 63 |
| 12 | MP4A | Mx | -.081 | 63 |
| 13 | MP4A | X | -38.676 | 198 |
| 14 | MP4A | Z | -22.33 | 198 |
| 15 | MP4A | Mx | .024 | 198 |
| 16 | M26 | X | -13.075 | 18 |
| 17 | M26 | Z | -7.549 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | -65.348 | 18 |
| 20 | M25 | Z | -37.729 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | -61.375 | 18 |
| 23 | M29 | Z | -35.435 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | -34.234 | 42 |
| 26 | MP1A | Z | -19.765 | 42 |
| 27 | MP1A | Mx | -.019 | 42 |
| 28 | M38 | X | -128.545 | 18 |
| 29 | M38 | Z | -74.216 | 18 |
| 30 | M38 | Mx | -.173 | 18 |
| 31 | M38 | X | -128.545 | 78 |
| 32 | M38 | Z | -74.216 | 78 |
| 33 | M38 | Mx | -.173 | 78 |
| 34 | M38 | X | -128.545 | 18 |
| 35 | M38 | Z | -74.216 | 18 |
| 36 | M38 | Mx | -.106 | 18 |
| 37 | M38 | X | -128.545 | 78 |
| 38 | M38 | Z | -74.216 | 78 |
| 39 | M38 | Mx | -.106 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -22.517 | 24 |
| 2 | MP3A | Z | -39 | 24 |
| 3 | MP3A | Mx | -.022 | 24 |
| 4 | MP3A | X | -22.517 | 48 |
| 5 | MP3A | Z | -39 | 48 |
| 6 | MP3A | Mx | -.022 | 48 |
| 7 | MP4A | X | -48.303 | 3 |
| 8 | MP4A | Z | -83.663 | 3 |
| 9 | MP4A | Mx | -.079 | 3 |
| 10 | MP4A | X | -48.303 | 63 |
| 11 | MP4A | Z | -83.663 | 63 |
| 12 | MP4A | Mx | -.079 | 63 |
| 13 | MP4A | X | -21.882 | 198 |
| 14 | MP4A | Z | -37.901 | 198 |
| 15 | MP4A | Mx | .025 | 198 |
| 16 | M26 | X | -6.297 | 18 |
| 17 | M26 | Z | -10.906 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | -30.919 | 18 |
| 20 | M25 | Z | -53.553 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | -26.016 | 18 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 23 | M29 | Z | -45.061 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | -18.191 | 42 |
| 26 | MP1A | Z | -31.508 | 42 |
| 27 | MP1A | Mx | -.018 | 42 |
| 28 | M38 | X | -71.043 | 18 |
| 29 | M38 | Z | -123.049 | 18 |
| 30 | M38 | Mx | -.123 | 18 |
| 31 | M38 | X | -71.043 | 78 |
| 32 | M38 | Z | -123.049 | 78 |
| 33 | M38 | Mx | -.123 | 78 |
| 34 | M38 | X | -71.043 | 18 |
| 35 | M38 | Z | -123.049 | 18 |
| 36 | M38 | Mx | -.156 | 18 |
| 37 | M38 | X | -71.043 | 78 |
| 38 | M38 | Z | -123.049 | 78 |
| 39 | M38 | Mx | -.156 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 0 | 24 |
| 2 | MP3A | Z | -15.151 | 24 |
| 3 | MP3A | Mx | -.006 | 24 |
| 4 | MP3A | X | 0 | 48 |
| 5 | MP3A | Z | -15.151 | 48 |
| 6 | MP3A | Mx | -.006 | 48 |
| 7 | MP4A | X | 0 | 3 |
| 8 | MP4A | Z | -23.423 | 3 |
| 9 | MP4A | Mx | -.015 | 3 |
| 10 | MP4A | X | 0 | 63 |
| 11 | MP4A | Z | -23.423 | 63 |
| 12 | MP4A | Mx | -.015 | 63 |
| 13 | MP4A | X | 0 | 198 |
| 14 | MP4A | Z | -10.126 | 198 |
| 15 | MP4A | Mx | .005 | 198 |
| 16 | M26 | X | 0 | 18 |
| 17 | M26 | Z | -3.303 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 0 | 18 |
| 20 | M25 | Z | -12.212 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 0 | 18 |
| 23 | M29 | Z | -10.309 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 0 | 42 |
| 26 | MP1A | Z | -10.637 | 42 |
| 27 | MP1A | Mx | -.004 | 42 |
| 28 | M38 | X | 0 | 18 |
| 29 | M38 | Z | -30.909 | 18 |
| 30 | M38 | Mx | -.01 | 18 |
| 31 | M38 | X | 0 | 78 |
| 32 | M38 | Z | -30.909 | 78 |
| 33 | M38 | Mx | -.01 | 78 |
| 34 | M38 | X | 0 | 18 |
| 35 | M38 | Z | -30.909 | 18 |
| 36 | M38 | Mx | -.037 | 18 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 37 | M38 | X | 0 | 78 |
| 38 | M38 | Z | -30.909 | 78 |
| 39 | M38 | Mx | -.037 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 11.217 | 24 |
| 2 | MP3A | Z | -19.429 | 24 |
| 3 | MP3A | Mx | -.004 | 24 |
| 4 | MP3A | X | 11.217 | 48 |
| 5 | MP3A | Z | -19.429 | 48 |
| 6 | MP3A | Mx | -.004 | 48 |
| 7 | MP4A | X | 14.605 | 3 |
| 8 | MP4A | Z | -25.297 | 3 |
| 9 | MP4A | Mx | -.008 | 3 |
| 10 | MP4A | X | 14.605 | 63 |
| 11 | MP4A | Z | -25.297 | 63 |
| 12 | MP4A | Mx | -.008 | 63 |
| 13 | MP4A | X | 5.507 | 198 |
| 14 | MP4A | Z | -9.539 | 198 |
| 15 | MP4A | Mx | .002 | 198 |
| 16 | M26 | X | 1.851 | 18 |
| 17 | M26 | Z | -3.207 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 7.095 | 18 |
| 20 | M25 | Z | -12.289 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 6.519 | 18 |
| 23 | M29 | Z | -11.292 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 6.854 | 42 |
| 26 | MP1A | Z | -11.871 | 42 |
| 27 | MP1A | Mx | -.002 | 42 |
| 28 | M38 | X | 18.254 | 18 |
| 29 | M38 | Z | -31.617 | 18 |
| 30 | M38 | Mx | .01 | 18 |
| 31 | M38 | X | 18.254 | 78 |
| 32 | M38 | Z | -31.617 | 78 |
| 33 | M38 | Mx | .01 | 78 |
| 34 | M38 | X | 18.254 | 18 |
| 35 | M38 | Z | -31.617 | 18 |
| 36 | M38 | Mx | -.035 | 18 |
| 37 | M38 | X | 18.254 | 78 |
| 38 | M38 | Z | -31.617 | 78 |
| 39 | M38 | Mx | -.035 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 20.594 | 24 |
| 2 | MP3A | Z | -11.89 | 24 |
| 3 | MP3A | Mx | .002 | 24 |
| 4 | MP3A | X | 20.594 | 48 |
| 5 | MP3A | Z | -11.89 | 48 |
| 6 | MP3A | Mx | .002 | 48 |
| 7 | MP4A | X | 26.223 | 3 |
| 8 | MP4A | Z | -15.14 | 3 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 9 | MP4A | Mx | .004 | 3 |
| 10 | MP4A | X | 26.223 | 63 |
| 11 | MP4A | Z | -15.14 | 63 |
| 12 | MP4A | Mx | .004 | 63 |
| 13 | MP4A | X | 9.681 | 198 |
| 14 | MP4A | Z | -5.589 | 198 |
| 15 | MP4A | Mx | -.001 | 198 |
| 16 | M26 | X | 3.631 | 18 |
| 17 | M26 | Z | -2.096 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 14.39 | 18 |
| 20 | M25 | Z | -8.308 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 14.191 | 18 |
| 23 | M29 | Z | -8.193 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 12.363 | 42 |
| 26 | MP1A | Z | -7.138 | 42 |
| 27 | MP1A | Mx | .001 | 42 |
| 28 | M38 | X | 32.513 | 18 |
| 29 | M38 | Z | -18.771 | 18 |
| 30 | M38 | Mx | .031 | 18 |
| 31 | M38 | X | 32.513 | 78 |
| 32 | M38 | Z | -18.771 | 78 |
| 33 | M38 | Mx | .031 | 78 |
| 34 | M38 | X | 32.513 | 18 |
| 35 | M38 | Z | -18.771 | 18 |
| 36 | M38 | Mx | -.018 | 18 |
| 37 | M38 | X | 32.513 | 78 |
| 38 | M38 | Z | -18.771 | 78 |
| 39 | M38 | Mx | -.018 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 17.843 | 24 |
| 2 | MP3A | Z | 0 | 24 |
| 3 | MP3A | Mx | .006 | 24 |
| 4 | MP3A | X | 17.843 | 48 |
| 5 | MP3A | Z | 0 | 48 |
| 6 | MP3A | Mx | .006 | 48 |
| 7 | MP4A | X | 25.562 | 3 |
| 8 | MP4A | Z | 0 | 3 |
| 9 | MP4A | Mx | .014 | 3 |
| 10 | MP4A | X | 25.562 | 63 |
| 11 | MP4A | Z | 0 | 63 |
| 12 | MP4A | Mx | .014 | 63 |
| 13 | MP4A | X | 10.454 | 198 |
| 14 | MP4A | Z | 0 | 198 |
| 15 | MP4A | Mx | -.004 | 198 |
| 16 | M26 | X | 4.283 | 18 |
| 17 | M26 | Z | 0 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 17.065 | 18 |
| 20 | M25 | Z | 0 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 17.006 | 18 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 23 | M29 | Z | 0 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 11.772 | 42 |
| 26 | MP1A | Z | 0 | 42 |
| 27 | MP1A | Mx | .004 | 42 |
| 28 | M38 | X | 32.978 | 18 |
| 29 | M38 | Z | 0 | 18 |
| 30 | M38 | Mx | .038 | 18 |
| 31 | M38 | X | 32.978 | 78 |
| 32 | M38 | Z | 0 | 78 |
| 33 | M38 | Mx | .038 | 78 |
| 34 | M38 | X | 32.978 | 18 |
| 35 | M38 | Z | 0 | 18 |
| 36 | M38 | Mx | .004 | 18 |
| 37 | M38 | X | 32.978 | 78 |
| 38 | M38 | Z | 0 | 78 |
| 39 | M38 | Mx | .004 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 9.144 | 24 |
| 2 | MP3A | Z | 5.28 | 24 |
| 3 | MP3A | Mx | .005 | 24 |
| 4 | MP3A | X | 9.144 | 48 |
| 5 | MP3A | Z | 5.28 | 48 |
| 6 | MP3A | Mx | .005 | 48 |
| 7 | MP4A | X | 17.125 | 3 |
| 8 | MP4A | Z | 9.887 | 3 |
| 9 | MP4A | Mx | .015 | 3 |
| 10 | MP4A | X | 17.125 | 63 |
| 11 | MP4A | Z | 9.887 | 63 |
| 12 | MP4A | Mx | .015 | 63 |
| 13 | MP4A | X | 8.284 | 198 |
| 14 | MP4A | Z | 4.783 | 198 |
| 15 | MP4A | Mx | -.005 | 198 |
| 16 | M26 | X | 3.364 | 18 |
| 17 | M26 | Z | 1.942 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 13.066 | 18 |
| 20 | M25 | Z | 7.543 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 12.363 | 18 |
| 23 | M29 | Z | 7.138 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 7.536 | 42 |
| 26 | MP1A | Z | 4.351 | 42 |
| 27 | MP1A | Mx | .004 | 42 |
| 28 | M38 | X | 23.711 | 18 |
| 29 | M38 | Z | 13.69 | 18 |
| 30 | M38 | Mx | .032 | 18 |
| 31 | M38 | X | 23.711 | 78 |
| 32 | M38 | Z | 13.69 | 78 |
| 33 | M38 | Mx | .032 | 78 |
| 34 | M38 | X | 23.711 | 18 |
| 35 | M38 | Z | 13.69 | 18 |
| 36 | M38 | Mx | .019 | 18 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in. %] |
|----|--------------|-----------|--------------------|-----------------|
| 37 | M38 | X | 23.711 | 78 |
| 38 | M38 | Z | 13.69 | 78 |
| 39 | M38 | Mx | .019 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in. %] |
|----|--------------|-----------|--------------------|-----------------|
| 1 | MP3A | X | 4.607 | 24 |
| 2 | MP3A | Z | 7.979 | 24 |
| 3 | MP3A | Mx | .005 | 24 |
| 4 | MP3A | X | 4.607 | 48 |
| 5 | MP3A | Z | 7.979 | 48 |
| 6 | MP3A | Mx | .005 | 48 |
| 7 | MP4A | X | 9.352 | 3 |
| 8 | MP4A | Z | 16.198 | 3 |
| 9 | MP4A | Mx | .015 | 3 |
| 10 | MP4A | X | 9.352 | 63 |
| 11 | MP4A | Z | 16.198 | 63 |
| 12 | MP4A | Mx | .015 | 63 |
| 13 | MP4A | X | 4.701 | 198 |
| 14 | MP4A | Z | 8.142 | 198 |
| 15 | MP4A | Mx | -.005 | 198 |
| 16 | M26 | X | 1.697 | 18 |
| 17 | M26 | Z | 2.939 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 6.33 | 18 |
| 20 | M25 | Z | 10.964 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 5.464 | 18 |
| 23 | M29 | Z | 9.464 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 4.067 | 42 |
| 26 | MP1A | Z | 7.045 | 42 |
| 27 | MP1A | Mx | .004 | 42 |
| 28 | M38 | X | 13.172 | 18 |
| 29 | M38 | Z | 22.815 | 18 |
| 30 | M38 | Mx | .023 | 18 |
| 31 | M38 | X | 13.172 | 78 |
| 32 | M38 | Z | 22.815 | 78 |
| 33 | M38 | Mx | .023 | 78 |
| 34 | M38 | X | 13.172 | 18 |
| 35 | M38 | Z | 22.815 | 18 |
| 36 | M38 | Mx | .029 | 18 |
| 37 | M38 | X | 13.172 | 78 |
| 38 | M38 | Z | 22.815 | 78 |
| 39 | M38 | Mx | .029 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in. %] |
|---|--------------|-----------|--------------------|-----------------|
| 1 | MP3A | X | 0 | 24 |
| 2 | MP3A | Z | 15.151 | 24 |
| 3 | MP3A | Mx | .006 | 24 |
| 4 | MP3A | X | 0 | 48 |
| 5 | MP3A | Z | 15.151 | 48 |
| 6 | MP3A | Mx | .006 | 48 |
| 7 | MP4A | X | 0 | 3 |
| 8 | MP4A | Z | 23.423 | 3 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 9 | MP4A | Mx | .015 | 3 |
| 10 | MP4A | X | 0 | 63 |
| 11 | MP4A | Z | 23.423 | 63 |
| 12 | MP4A | Mx | .015 | 63 |
| 13 | MP4A | X | 0 | 198 |
| 14 | MP4A | Z | 10.126 | 198 |
| 15 | MP4A | Mx | -.005 | 198 |
| 16 | M26 | X | 0 | 18 |
| 17 | M26 | Z | 3.303 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 0 | 18 |
| 20 | M25 | Z | 12.212 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 0 | 18 |
| 23 | M29 | Z | 10.309 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 0 | 42 |
| 26 | MP1A | Z | 10.637 | 42 |
| 27 | MP1A | Mx | .004 | 42 |
| 28 | M38 | X | 0 | 18 |
| 29 | M38 | Z | 30.909 | 18 |
| 30 | M38 | Mx | .01 | 18 |
| 31 | M38 | X | 0 | 78 |
| 32 | M38 | Z | 30.909 | 78 |
| 33 | M38 | Mx | .01 | 78 |
| 34 | M38 | X | 0 | 18 |
| 35 | M38 | Z | 30.909 | 18 |
| 36 | M38 | Mx | .037 | 18 |
| 37 | M38 | X | 0 | 78 |
| 38 | M38 | Z | 30.909 | 78 |
| 39 | M38 | Mx | .037 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -11.217 | 24 |
| 2 | MP3A | Z | 19.429 | 24 |
| 3 | MP3A | Mx | .004 | 24 |
| 4 | MP3A | X | -11.217 | 48 |
| 5 | MP3A | Z | 19.429 | 48 |
| 6 | MP3A | Mx | .004 | 48 |
| 7 | MP4A | X | -14.605 | 3 |
| 8 | MP4A | Z | 25.297 | 3 |
| 9 | MP4A | Mx | .008 | 3 |
| 10 | MP4A | X | -14.605 | 63 |
| 11 | MP4A | Z | 25.297 | 63 |
| 12 | MP4A | Mx | .008 | 63 |
| 13 | MP4A | X | -5.507 | 198 |
| 14 | MP4A | Z | 9.539 | 198 |
| 15 | MP4A | Mx | -.002 | 198 |
| 16 | M26 | X | -1.851 | 18 |
| 17 | M26 | Z | 3.207 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | -7.095 | 18 |
| 20 | M25 | Z | 12.289 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | -6.519 | 18 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 23 | M29 | Z | 11.292 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | -6.854 | 42 |
| 26 | MP1A | Z | 11.871 | 42 |
| 27 | MP1A | Mx | .002 | 42 |
| 28 | M38 | X | -18.254 | 18 |
| 29 | M38 | Z | 31.617 | 18 |
| 30 | M38 | Mx | -.01 | 18 |
| 31 | M38 | X | -18.254 | 78 |
| 32 | M38 | Z | 31.617 | 78 |
| 33 | M38 | Mx | -.01 | 78 |
| 34 | M38 | X | -18.254 | 18 |
| 35 | M38 | Z | 31.617 | 18 |
| 36 | M38 | Mx | .035 | 18 |
| 37 | M38 | X | -18.254 | 78 |
| 38 | M38 | Z | 31.617 | 78 |
| 39 | M38 | Mx | .035 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -20.594 | 24 |
| 2 | MP3A | Z | 11.89 | 24 |
| 3 | MP3A | Mx | -.002 | 24 |
| 4 | MP3A | X | -20.594 | 48 |
| 5 | MP3A | Z | 11.89 | 48 |
| 6 | MP3A | Mx | -.002 | 48 |
| 7 | MP4A | X | -26.223 | 3 |
| 8 | MP4A | Z | 15.14 | 3 |
| 9 | MP4A | Mx | -.004 | 3 |
| 10 | MP4A | X | -26.223 | 63 |
| 11 | MP4A | Z | 15.14 | 63 |
| 12 | MP4A | Mx | -.004 | 63 |
| 13 | MP4A | X | -9.681 | 198 |
| 14 | MP4A | Z | 5.589 | 198 |
| 15 | MP4A | Mx | .001 | 198 |
| 16 | M26 | X | -3.631 | 18 |
| 17 | M26 | Z | 2.096 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | -14.39 | 18 |
| 20 | M25 | Z | 8.308 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | -14.191 | 18 |
| 23 | M29 | Z | 8.193 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | -12.363 | 42 |
| 26 | MP1A | Z | 7.138 | 42 |
| 27 | MP1A | Mx | -.001 | 42 |
| 28 | M38 | X | -32.513 | 18 |
| 29 | M38 | Z | 18.771 | 18 |
| 30 | M38 | Mx | -.031 | 18 |
| 31 | M38 | X | -32.513 | 78 |
| 32 | M38 | Z | 18.771 | 78 |
| 33 | M38 | Mx | -.031 | 78 |
| 34 | M38 | X | -32.513 | 18 |
| 35 | M38 | Z | 18.771 | 18 |
| 36 | M38 | Mx | .018 | 18 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 37 | M38 | X | -32.513 | 78 |
| 38 | M38 | Z | 18.771 | 78 |
| 39 | M38 | Mx | .018 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -17.843 | 24 |
| 2 | MP3A | Z | 0 | 24 |
| 3 | MP3A | Mx | -.006 | 24 |
| 4 | MP3A | X | -17.843 | 48 |
| 5 | MP3A | Z | 0 | 48 |
| 6 | MP3A | Mx | -.006 | 48 |
| 7 | MP4A | X | -25.562 | 3 |
| 8 | MP4A | Z | 0 | 3 |
| 9 | MP4A | Mx | -.014 | 3 |
| 10 | MP4A | X | -25.562 | 63 |
| 11 | MP4A | Z | 0 | 63 |
| 12 | MP4A | Mx | -.014 | 63 |
| 13 | MP4A | X | -10.454 | 198 |
| 14 | MP4A | Z | 0 | 198 |
| 15 | MP4A | Mx | .004 | 198 |
| 16 | M26 | X | -4.283 | 18 |
| 17 | M26 | Z | 0 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | -17.065 | 18 |
| 20 | M25 | Z | 0 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | -17.006 | 18 |
| 23 | M29 | Z | 0 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | -11.772 | 42 |
| 26 | MP1A | Z | 0 | 42 |
| 27 | MP1A | Mx | -.004 | 42 |
| 28 | M38 | X | -32.978 | 18 |
| 29 | M38 | Z | 0 | 18 |
| 30 | M38 | Mx | -.038 | 18 |
| 31 | M38 | X | -32.978 | 78 |
| 32 | M38 | Z | 0 | 78 |
| 33 | M38 | Mx | -.038 | 78 |
| 34 | M38 | X | -32.978 | 18 |
| 35 | M38 | Z | 0 | 18 |
| 36 | M38 | Mx | -.004 | 18 |
| 37 | M38 | X | -32.978 | 78 |
| 38 | M38 | Z | 0 | 78 |
| 39 | M38 | Mx | -.004 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -9.144 | 24 |
| 2 | MP3A | Z | -5.28 | 24 |
| 3 | MP3A | Mx | -.005 | 24 |
| 4 | MP3A | X | -9.144 | 48 |
| 5 | MP3A | Z | -5.28 | 48 |
| 6 | MP3A | Mx | -.005 | 48 |
| 7 | MP4A | X | -17.125 | 3 |
| 8 | MP4A | Z | -9.887 | 3 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 9 | MP4A | Mx | -.015 | 3 |
| 10 | MP4A | X | -17.125 | 63 |
| 11 | MP4A | Z | -9.887 | 63 |
| 12 | MP4A | Mx | -.015 | 63 |
| 13 | MP4A | X | -8.284 | 198 |
| 14 | MP4A | Z | -4.783 | 198 |
| 15 | MP4A | Mx | .005 | 198 |
| 16 | M26 | X | -3.364 | 18 |
| 17 | M26 | Z | -1.942 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | -13.066 | 18 |
| 20 | M25 | Z | -7.543 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | -12.363 | 18 |
| 23 | M29 | Z | -7.138 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | -7.536 | 42 |
| 26 | MP1A | Z | -4.351 | 42 |
| 27 | MP1A | Mx | -.004 | 42 |
| 28 | M38 | X | -23.711 | 18 |
| 29 | M38 | Z | -13.69 | 18 |
| 30 | M38 | Mx | -.032 | 18 |
| 31 | M38 | X | -23.711 | 78 |
| 32 | M38 | Z | -13.69 | 78 |
| 33 | M38 | Mx | -.032 | 78 |
| 34 | M38 | X | -23.711 | 18 |
| 35 | M38 | Z | -13.69 | 18 |
| 36 | M38 | Mx | -.019 | 18 |
| 37 | M38 | X | -23.711 | 78 |
| 38 | M38 | Z | -13.69 | 78 |
| 39 | M38 | Mx | -.019 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -4.607 | 24 |
| 2 | MP3A | Z | -7.979 | 24 |
| 3 | MP3A | Mx | -.005 | 24 |
| 4 | MP3A | X | -4.607 | 48 |
| 5 | MP3A | Z | -7.979 | 48 |
| 6 | MP3A | Mx | -.005 | 48 |
| 7 | MP4A | X | -9.352 | 3 |
| 8 | MP4A | Z | -16.198 | 3 |
| 9 | MP4A | Mx | -.015 | 3 |
| 10 | MP4A | X | -9.352 | 63 |
| 11 | MP4A | Z | -16.198 | 63 |
| 12 | MP4A | Mx | -.015 | 63 |
| 13 | MP4A | X | -4.701 | 198 |
| 14 | MP4A | Z | -8.142 | 198 |
| 15 | MP4A | Mx | .005 | 198 |
| 16 | M26 | X | -1.697 | 18 |
| 17 | M26 | Z | -2.939 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | -6.33 | 18 |
| 20 | M25 | Z | -10.964 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | -5.464 | 18 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 23 | M29 | Z | -9.464 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | -4.067 | 42 |
| 26 | MP1A | Z | -7.045 | 42 |
| 27 | MP1A | Mx | -.004 | 42 |
| 28 | M38 | X | -13.172 | 18 |
| 29 | M38 | Z | -22.815 | 18 |
| 30 | M38 | Mx | -.023 | 18 |
| 31 | M38 | X | -13.172 | 78 |
| 32 | M38 | Z | -22.815 | 78 |
| 33 | M38 | Mx | -.023 | 78 |
| 34 | M38 | X | -13.172 | 18 |
| 35 | M38 | Z | -22.815 | 18 |
| 36 | M38 | Mx | -.029 | 18 |
| 37 | M38 | X | -13.172 | 78 |
| 38 | M38 | Z | -22.815 | 78 |
| 39 | M38 | Mx | -.029 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 0 | 24 |
| 2 | MP3A | Z | -4.069 | 24 |
| 3 | MP3A | Mx | -.002 | 24 |
| 4 | MP3A | X | 0 | 48 |
| 5 | MP3A | Z | -4.069 | 48 |
| 6 | MP3A | Mx | -.002 | 48 |
| 7 | MP4A | X | 0 | 3 |
| 8 | MP4A | Z | -7.228 | 3 |
| 9 | MP4A | Mx | -.005 | 3 |
| 10 | MP4A | X | 0 | 63 |
| 11 | MP4A | Z | -7.228 | 63 |
| 12 | MP4A | Mx | -.005 | 63 |
| 13 | MP4A | X | 0 | 198 |
| 14 | MP4A | Z | -2.748 | 198 |
| 15 | MP4A | Mx | .001 | 198 |
| 16 | M26 | X | 0 | 18 |
| 17 | M26 | Z | -6.99 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 0 | 18 |
| 20 | M25 | Z | -3.417 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 0 | 18 |
| 23 | M29 | Z | -2.796 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 0 | 42 |
| 26 | MP1A | Z | -2.895 | 42 |
| 27 | MP1A | Mx | -.001 | 42 |
| 28 | M38 | X | 0 | 18 |
| 29 | M38 | Z | -9.797 | 18 |
| 30 | M38 | Mx | -.003 | 18 |
| 31 | M38 | X | 0 | 78 |
| 32 | M38 | Z | -9.797 | 78 |
| 33 | M38 | Mx | -.003 | 78 |
| 34 | M38 | X | 0 | 18 |
| 35 | M38 | Z | -9.797 | 18 |
| 36 | M38 | Mx | -.012 | 18 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in. %] |
|----|--------------|-----------|--------------------|-----------------|
| 37 | M38 | X | 0 | 78 |
| 38 | M38 | Z | -9.797 | 78 |
| 39 | M38 | Mx | -.012 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in. %] |
|----|--------------|-----------|--------------------|-----------------|
| 1 | MP3A | X | 2.939 | 24 |
| 2 | MP3A | Z | -5.091 | 24 |
| 3 | MP3A | Mx | -.001 | 24 |
| 4 | MP3A | X | 2.939 | 48 |
| 5 | MP3A | Z | -5.091 | 48 |
| 6 | MP3A | Mx | -.001 | 48 |
| 7 | MP4A | X | 4.634 | 3 |
| 8 | MP4A | Z | -8.027 | 3 |
| 9 | MP4A | Mx | -.003 | 3 |
| 10 | MP4A | X | 4.634 | 63 |
| 11 | MP4A | Z | -8.027 | 63 |
| 12 | MP4A | Mx | -.003 | 63 |
| 13 | MP4A | X | 1.514 | 198 |
| 14 | MP4A | Z | -2.622 | 198 |
| 15 | MP4A | Mx | .000604 | 198 |
| 16 | M26 | X | .408 | 18 |
| 17 | M26 | Z | -.707 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 2.028 | 18 |
| 20 | M25 | Z | -3.513 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 1.841 | 18 |
| 23 | M29 | Z | -3.188 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 1.938 | 42 |
| 26 | MP1A | Z | -3.357 | 42 |
| 27 | MP1A | Mx | -.000663 | 42 |
| 28 | M38 | X | 5.887 | 18 |
| 29 | M38 | Z | -10.197 | 18 |
| 30 | M38 | Mx | .003 | 18 |
| 31 | M38 | X | 5.887 | 78 |
| 32 | M38 | Z | -10.197 | 78 |
| 33 | M38 | Mx | .003 | 78 |
| 34 | M38 | X | 5.887 | 18 |
| 35 | M38 | Z | -10.197 | 18 |
| 36 | M38 | Mx | -.011 | 18 |
| 37 | M38 | X | 5.887 | 78 |
| 38 | M38 | Z | -10.197 | 78 |
| 39 | M38 | Mx | -.011 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in. %] |
|---|--------------|-----------|--------------------|-----------------|
| 1 | MP3A | X | 5.381 | 24 |
| 2 | MP3A | Z | -3.106 | 24 |
| 3 | MP3A | Mx | .00054 | 24 |
| 4 | MP3A | X | 5.381 | 48 |
| 5 | MP3A | Z | -3.106 | 48 |
| 6 | MP3A | Mx | .00054 | 48 |
| 7 | MP4A | X | 8.353 | 3 |
| 8 | MP4A | Z | -4.823 | 3 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 9 | MP4A | Mx | .001 | 3 |
| 10 | MP4A | X | 8.353 | 63 |
| 11 | MP4A | Z | -4.823 | 63 |
| 12 | MP4A | Mx | .001 | 63 |
| 13 | MP4A | X | 2.667 | 198 |
| 14 | MP4A | Z | -1.54 | 198 |
| 15 | MP4A | Mx | -.000312 | 198 |
| 16 | M26 | X | .832 | 18 |
| 17 | M26 | Z | -.48 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 4.192 | 18 |
| 20 | M25 | Z | -2.42 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 4.128 | 18 |
| 23 | M29 | Z | -2.383 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 3.514 | 42 |
| 26 | MP1A | Z | -2.029 | 42 |
| 27 | MP1A | Mx | .000352 | 42 |
| 28 | M38 | X | 10.514 | 18 |
| 29 | M38 | Z | -6.07 | 18 |
| 30 | M38 | Mx | .01 | 18 |
| 31 | M38 | X | 10.514 | 78 |
| 32 | M38 | Z | -6.07 | 78 |
| 33 | M38 | Mx | .01 | 78 |
| 34 | M38 | X | 10.514 | 18 |
| 35 | M38 | Z | -6.07 | 18 |
| 36 | M38 | Mx | -.006 | 18 |
| 37 | M38 | X | 10.514 | 78 |
| 38 | M38 | Z | -6.07 | 78 |
| 39 | M38 | Mx | -.006 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 4.738 | 24 |
| 2 | MP3A | Z | 0 | 24 |
| 3 | MP3A | Mx | .002 | 24 |
| 4 | MP3A | X | 4.738 | 48 |
| 5 | MP3A | Z | 0 | 48 |
| 6 | MP3A | Mx | .002 | 48 |
| 7 | MP4A | X | 7.982 | 3 |
| 8 | MP4A | Z | 0 | 3 |
| 9 | MP4A | Mx | .004 | 3 |
| 10 | MP4A | X | 7.982 | 63 |
| 11 | MP4A | Z | 0 | 63 |
| 12 | MP4A | Mx | .004 | 63 |
| 13 | MP4A | X | 2.852 | 198 |
| 14 | MP4A | Z | 0 | 198 |
| 15 | MP4A | Mx | -.001 | 198 |
| 16 | M26 | X | .987 | 18 |
| 17 | M26 | Z | 0 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 4.986 | 18 |
| 20 | M25 | Z | 0 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 4.967 | 18 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 23 | M29 | Z | 0 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 3.258 | 42 |
| 26 | MP1A | Z | 0 | 42 |
| 27 | MP1A | Mx | .001 | 42 |
| 28 | M38 | X | 10.528 | 18 |
| 29 | M38 | Z | 0 | 18 |
| 30 | M38 | Mx | .012 | 18 |
| 31 | M38 | X | 10.528 | 78 |
| 32 | M38 | Z | 0 | 78 |
| 33 | M38 | Mx | .012 | 78 |
| 34 | M38 | X | 10.528 | 18 |
| 35 | M38 | Z | 0 | 18 |
| 36 | M38 | Mx | .001 | 18 |
| 37 | M38 | X | 10.528 | 78 |
| 38 | M38 | Z | 0 | 78 |
| 39 | M38 | Mx | .001 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 2.536 | 24 |
| 2 | MP3A | Z | 1.464 | 24 |
| 3 | MP3A | Mx | .001 | 24 |
| 4 | MP3A | X | 2.536 | 48 |
| 5 | MP3A | Z | 1.464 | 48 |
| 6 | MP3A | Mx | .001 | 48 |
| 7 | MP4A | X | 5.146 | 3 |
| 8 | MP4A | Z | 2.971 | 3 |
| 9 | MP4A | Mx | .005 | 3 |
| 10 | MP4A | X | 5.146 | 63 |
| 11 | MP4A | Z | 2.971 | 63 |
| 12 | MP4A | Mx | .005 | 63 |
| 13 | MP4A | X | 2.228 | 198 |
| 14 | MP4A | Z | 1.286 | 198 |
| 15 | MP4A | Mx | -.001 | 198 |
| 16 | M26 | X | .753 | 18 |
| 17 | M26 | Z | .435 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 3.764 | 18 |
| 20 | M25 | Z | 2.173 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 3.535 | 18 |
| 23 | M29 | Z | 2.041 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 1.972 | 42 |
| 26 | MP1A | Z | 1.138 | 42 |
| 27 | MP1A | Mx | .001 | 42 |
| 28 | M38 | X | 7.404 | 18 |
| 29 | M38 | Z | 4.275 | 18 |
| 30 | M38 | Mx | .01 | 18 |
| 31 | M38 | X | 7.404 | 78 |
| 32 | M38 | Z | 4.275 | 78 |
| 33 | M38 | Mx | .01 | 78 |
| 34 | M38 | X | 7.404 | 18 |
| 35 | M38 | Z | 4.275 | 18 |
| 36 | M38 | Mx | .006 | 18 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 37 | M38 | X | 7.404 | 78 |
| 38 | M38 | Z | 4.275 | 78 |
| 39 | M38 | Mx | .006 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 1.297 | 24 |
| 2 | MP3A | Z | 2.246 | 24 |
| 3 | MP3A | Mx | .001 | 24 |
| 4 | MP3A | X | 1.297 | 48 |
| 5 | MP3A | Z | 2.246 | 48 |
| 6 | MP3A | Mx | .001 | 48 |
| 7 | MP4A | X | 2.782 | 3 |
| 8 | MP4A | Z | 4.819 | 3 |
| 9 | MP4A | Mx | .005 | 3 |
| 10 | MP4A | X | 2.782 | 63 |
| 11 | MP4A | Z | 4.819 | 63 |
| 12 | MP4A | Mx | .005 | 63 |
| 13 | MP4A | X | 1.26 | 198 |
| 14 | MP4A | Z | 2.183 | 198 |
| 15 | MP4A | Mx | -.001 | 198 |
| 16 | M26 | X | .363 | 18 |
| 17 | M26 | Z | .628 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 1.781 | 18 |
| 20 | M25 | Z | 3.085 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 1.499 | 18 |
| 23 | M29 | Z | 2.595 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 1.048 | 42 |
| 26 | MP1A | Z | 1.815 | 42 |
| 27 | MP1A | Mx | .001 | 42 |
| 28 | M38 | X | 4.092 | 18 |
| 29 | M38 | Z | 7.088 | 18 |
| 30 | M38 | Mx | .007 | 18 |
| 31 | M38 | X | 4.092 | 78 |
| 32 | M38 | Z | 7.088 | 78 |
| 33 | M38 | Mx | .007 | 78 |
| 34 | M38 | X | 4.092 | 18 |
| 35 | M38 | Z | 7.088 | 18 |
| 36 | M38 | Mx | .009 | 18 |
| 37 | M38 | X | 4.092 | 78 |
| 38 | M38 | Z | 7.088 | 78 |
| 39 | M38 | Mx | .009 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 0 | 24 |
| 2 | MP3A | Z | 4.069 | 24 |
| 3 | MP3A | Mx | .002 | 24 |
| 4 | MP3A | X | 0 | 48 |
| 5 | MP3A | Z | 4.069 | 48 |
| 6 | MP3A | Mx | .002 | 48 |
| 7 | MP4A | X | 0 | 3 |
| 8 | MP4A | Z | 7.228 | 3 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 9 | MP4A | Mx | .005 | 3 |
| 10 | MP4A | X | 0 | 63 |
| 11 | MP4A | Z | 7.228 | 63 |
| 12 | MP4A | Mx | .005 | 63 |
| 13 | MP4A | X | 0 | 198 |
| 14 | MP4A | Z | 2.748 | 198 |
| 15 | MP4A | Mx | -.001 | 198 |
| 16 | M26 | X | 0 | 18 |
| 17 | M26 | Z | .699 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | 0 | 18 |
| 20 | M25 | Z | 3.417 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | 0 | 18 |
| 23 | M29 | Z | 2.796 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | 0 | 42 |
| 26 | MP1A | Z | 2.895 | 42 |
| 27 | MP1A | Mx | .001 | 42 |
| 28 | M38 | X | 0 | 18 |
| 29 | M38 | Z | 9.797 | 18 |
| 30 | M38 | Mx | .003 | 18 |
| 31 | M38 | X | 0 | 78 |
| 32 | M38 | Z | 9.797 | 78 |
| 33 | M38 | Mx | .003 | 78 |
| 34 | M38 | X | 0 | 18 |
| 35 | M38 | Z | 9.797 | 18 |
| 36 | M38 | Mx | .012 | 18 |
| 37 | M38 | X | 0 | 78 |
| 38 | M38 | Z | 9.797 | 78 |
| 39 | M38 | Mx | .012 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -2.939 | 24 |
| 2 | MP3A | Z | 5.091 | 24 |
| 3 | MP3A | Mx | .001 | 24 |
| 4 | MP3A | X | -2.939 | 48 |
| 5 | MP3A | Z | 5.091 | 48 |
| 6 | MP3A | Mx | .001 | 48 |
| 7 | MP4A | X | -4.634 | 3 |
| 8 | MP4A | Z | 8.027 | 3 |
| 9 | MP4A | Mx | .003 | 3 |
| 10 | MP4A | X | -4.634 | 63 |
| 11 | MP4A | Z | 8.027 | 63 |
| 12 | MP4A | Mx | .003 | 63 |
| 13 | MP4A | X | -1.514 | 198 |
| 14 | MP4A | Z | 2.622 | 198 |
| 15 | MP4A | Mx | -.000604 | 198 |
| 16 | M26 | X | -.408 | 18 |
| 17 | M26 | Z | .707 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | -2.028 | 18 |
| 20 | M25 | Z | 3.513 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | -1.841 | 18 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 23 | M29 | Z | 3.188 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | -1.938 | 42 |
| 26 | MP1A | Z | 3.357 | 42 |
| 27 | MP1A | Mx | .000663 | 42 |
| 28 | M38 | X | -5.887 | 18 |
| 29 | M38 | Z | 10.197 | 18 |
| 30 | M38 | Mx | -.003 | 18 |
| 31 | M38 | X | -5.887 | 78 |
| 32 | M38 | Z | 10.197 | 78 |
| 33 | M38 | Mx | -.003 | 78 |
| 34 | M38 | X | -5.887 | 18 |
| 35 | M38 | Z | 10.197 | 18 |
| 36 | M38 | Mx | .011 | 18 |
| 37 | M38 | X | -5.887 | 78 |
| 38 | M38 | Z | 10.197 | 78 |
| 39 | M38 | Mx | .011 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -5.381 | 24 |
| 2 | MP3A | Z | 3.106 | 24 |
| 3 | MP3A | Mx | -.00054 | 24 |
| 4 | MP3A | X | -5.381 | 48 |
| 5 | MP3A | Z | 3.106 | 48 |
| 6 | MP3A | Mx | -.00054 | 48 |
| 7 | MP4A | X | -8.353 | 3 |
| 8 | MP4A | Z | 4.823 | 3 |
| 9 | MP4A | Mx | -.001 | 3 |
| 10 | MP4A | X | -8.353 | 63 |
| 11 | MP4A | Z | 4.823 | 63 |
| 12 | MP4A | Mx | -.001 | 63 |
| 13 | MP4A | X | -2.667 | 198 |
| 14 | MP4A | Z | 1.54 | 198 |
| 15 | MP4A | Mx | .000312 | 198 |
| 16 | M26 | X | -.832 | 18 |
| 17 | M26 | Z | .48 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | -4.192 | 18 |
| 20 | M25 | Z | 2.42 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | -4.128 | 18 |
| 23 | M29 | Z | 2.383 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | -3.514 | 42 |
| 26 | MP1A | Z | 2.029 | 42 |
| 27 | MP1A | Mx | -.000352 | 42 |
| 28 | M38 | X | -10.514 | 18 |
| 29 | M38 | Z | 6.07 | 18 |
| 30 | M38 | Mx | -.01 | 18 |
| 31 | M38 | X | -10.514 | 78 |
| 32 | M38 | Z | 6.07 | 78 |
| 33 | M38 | Mx | -.01 | 78 |
| 34 | M38 | X | -10.514 | 18 |
| 35 | M38 | Z | 6.07 | 18 |
| 36 | M38 | Mx | .006 | 18 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in. %] |
|----|--------------|-----------|--------------------|-----------------|
| 37 | M38 | X | -10.514 | 78 |
| 38 | M38 | Z | 6.07 | 78 |
| 39 | M38 | Mx | .006 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in. %] |
|----|--------------|-----------|--------------------|-----------------|
| 1 | MP3A | X | -4.738 | 24 |
| 2 | MP3A | Z | 0 | 24 |
| 3 | MP3A | Mx | -.002 | 24 |
| 4 | MP3A | X | -4.738 | 48 |
| 5 | MP3A | Z | 0 | 48 |
| 6 | MP3A | Mx | -.002 | 48 |
| 7 | MP4A | X | -7.982 | 3 |
| 8 | MP4A | Z | 0 | 3 |
| 9 | MP4A | Mx | -.004 | 3 |
| 10 | MP4A | X | -7.982 | 63 |
| 11 | MP4A | Z | 0 | 63 |
| 12 | MP4A | Mx | -.004 | 63 |
| 13 | MP4A | X | -2.852 | 198 |
| 14 | MP4A | Z | 0 | 198 |
| 15 | MP4A | Mx | .001 | 198 |
| 16 | M26 | X | -.987 | 18 |
| 17 | M26 | Z | 0 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | -4.986 | 18 |
| 20 | M25 | Z | 0 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | -4.967 | 18 |
| 23 | M29 | Z | 0 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | -3.258 | 42 |
| 26 | MP1A | Z | 0 | 42 |
| 27 | MP1A | Mx | -.001 | 42 |
| 28 | M38 | X | -10.528 | 18 |
| 29 | M38 | Z | 0 | 18 |
| 30 | M38 | Mx | -.012 | 18 |
| 31 | M38 | X | -10.528 | 78 |
| 32 | M38 | Z | 0 | 78 |
| 33 | M38 | Mx | -.012 | 78 |
| 34 | M38 | X | -10.528 | 18 |
| 35 | M38 | Z | 0 | 18 |
| 36 | M38 | Mx | -.001 | 18 |
| 37 | M38 | X | -10.528 | 78 |
| 38 | M38 | Z | 0 | 78 |
| 39 | M38 | Mx | -.001 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in. %] |
|---|--------------|-----------|--------------------|-----------------|
| 1 | MP3A | X | -2.536 | 24 |
| 2 | MP3A | Z | -1.464 | 24 |
| 3 | MP3A | Mx | -.001 | 24 |
| 4 | MP3A | X | -2.536 | 48 |
| 5 | MP3A | Z | -1.464 | 48 |
| 6 | MP3A | Mx | -.001 | 48 |
| 7 | MP4A | X | -5.146 | 3 |
| 8 | MP4A | Z | -2.971 | 3 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 9 | MP4A | Mx | -.005 | 3 |
| 10 | MP4A | X | -5.146 | 63 |
| 11 | MP4A | Z | -2.971 | 63 |
| 12 | MP4A | Mx | -.005 | 63 |
| 13 | MP4A | X | -2.228 | 198 |
| 14 | MP4A | Z | -1.286 | 198 |
| 15 | MP4A | Mx | .001 | 198 |
| 16 | M26 | X | -.753 | 18 |
| 17 | M26 | Z | -.435 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | -3.764 | 18 |
| 20 | M25 | Z | -2.173 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | -3.535 | 18 |
| 23 | M29 | Z | -2.041 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | -1.972 | 42 |
| 26 | MP1A | Z | -1.138 | 42 |
| 27 | MP1A | Mx | -.001 | 42 |
| 28 | M38 | X | -7.404 | 18 |
| 29 | M38 | Z | -4.275 | 18 |
| 30 | M38 | Mx | -.01 | 18 |
| 31 | M38 | X | -7.404 | 78 |
| 32 | M38 | Z | -4.275 | 78 |
| 33 | M38 | Mx | -.01 | 78 |
| 34 | M38 | X | -7.404 | 18 |
| 35 | M38 | Z | -4.275 | 18 |
| 36 | M38 | Mx | -.006 | 18 |
| 37 | M38 | X | -7.404 | 78 |
| 38 | M38 | Z | -4.275 | 78 |
| 39 | M38 | Mx | -.006 | 78 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -1.297 | 24 |
| 2 | MP3A | Z | -2.246 | 24 |
| 3 | MP3A | Mx | -.001 | 24 |
| 4 | MP3A | X | -1.297 | 48 |
| 5 | MP3A | Z | -2.246 | 48 |
| 6 | MP3A | Mx | -.001 | 48 |
| 7 | MP4A | X | -2.782 | 3 |
| 8 | MP4A | Z | -4.819 | 3 |
| 9 | MP4A | Mx | -.005 | 3 |
| 10 | MP4A | X | -2.782 | 63 |
| 11 | MP4A | Z | -4.819 | 63 |
| 12 | MP4A | Mx | -.005 | 63 |
| 13 | MP4A | X | -1.26 | 198 |
| 14 | MP4A | Z | -2.183 | 198 |
| 15 | MP4A | Mx | .001 | 198 |
| 16 | M26 | X | -.363 | 18 |
| 17 | M26 | Z | -.628 | 18 |
| 18 | M26 | Mx | 0 | 18 |
| 19 | M25 | X | -1.781 | 18 |
| 20 | M25 | Z | -3.085 | 18 |
| 21 | M25 | Mx | 0 | 18 |
| 22 | M29 | X | -1.499 | 18 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|----|--------------|-----------|--------------------|----------------|
| 23 | M29 | Z | -2.595 | 18 |
| 24 | M29 | Mx | 0 | 18 |
| 25 | MP1A | X | -1.048 | 42 |
| 26 | MP1A | Z | -1.815 | 42 |
| 27 | MP1A | Mx | -.001 | 42 |
| 28 | M38 | X | -4.092 | 18 |
| 29 | M38 | Z | -7.088 | 18 |
| 30 | M38 | Mx | -.007 | 18 |
| 31 | M38 | X | -4.092 | 78 |
| 32 | M38 | Z | -7.088 | 78 |
| 33 | M38 | Mx | -.007 | 78 |
| 34 | M38 | X | -4.092 | 18 |
| 35 | M38 | Z | -7.088 | 18 |
| 36 | M38 | Mx | -.009 | 18 |
| 37 | M38 | X | -4.092 | 78 |
| 38 | M38 | Z | -7.088 | 78 |
| 39 | M38 | Mx | -.009 | 78 |

Member Point Loads (BLC 77 : Lm1)

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | M24 | Y | 0 | 0 |

Member Point Loads (BLC 78 : Lm2)

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | M24 | Y | 0 | %50 |

Member Point Loads (BLC 79 : Lv1)

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | M24 | Y | 0 | 0 |

Member Point Loads (BLC 80 : Lv2)

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[in.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | M24 | Y | 0 | %50 |

Member Distributed Loads (BLC 40 : Structure Di)

| | Member Label | Direction | Start Magnitude[lb/ft.F,ksf] | End Magnitude[lb/ft.F,ksf] | Start Location... | End Location[i...] |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|
| 1 | M21 | Y | -8.769 | -8.769 | 0 | %100 |
| 2 | M24 | Y | -7.948 | -7.948 | 0 | %100 |
| 3 | MP4A | Y | -8.769 | -8.769 | 0 | %100 |
| 4 | MP3A | Y | -7.948 | -7.948 | 0 | %100 |
| 5 | MP1A | Y | -7.948 | -7.948 | 0 | %100 |
| 6 | M19 | Y | -11.488 | -11.488 | 0 | %100 |
| 7 | M20 | Y | -11.488 | -11.488 | 0 | %100 |
| 8 | M25 | Y | -5.976 | -5.976 | 0 | %100 |
| 9 | M26 | Y | -5.976 | -5.976 | 0 | %100 |
| 10 | M29 | Y | -5.976 | -5.976 | 0 | %100 |
| 11 | M32 | Y | -11.488 | -11.488 | 0 | %100 |
| 12 | M51 | Y | -11.488 | -11.488 | 0 | %100 |
| 13 | M51A | Y | -11.488 | -11.488 | 0 | %100 |
| 14 | M53A | Y | -11.488 | -11.488 | 0 | %100 |
| 15 | M34A | Y | -9.167 | -9.167 | 0 | %100 |
| 16 | M35 | Y | -9.167 | -9.167 | 0 | %100 |
| 17 | M38 | Y | -8.769 | -8.769 | 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... | End Location[... |
|--------------|-----------|------------------------------|----------------------------|-------------------|------------------|
| 1 | M21 | X | 0 | 0 | %100 |
| 2 | M21 | Z | -14.972 | -14.972 | 0 |
| 3 | M24 | X | 0 | 0 | %100 |
| 4 | M24 | Z | -14.972 | -14.972 | 0 |
| 5 | MP4A | X | 0 | 0 | %100 |
| 6 | MP4A | Z | -14.972 | -14.972 | 0 |
| 7 | MP3A | X | 0 | 0 | %100 |
| 8 | MP3A | Z | -14.972 | -14.972 | 0 |
| 9 | MP1A | X | 0 | 0 | %100 |
| 10 | MP1A | Z | -14.972 | -14.972 | 0 |
| 11 | M19 | X | 0 | 0 | %100 |
| 12 | M19 | Z | -27.015 | -27.015 | 0 |
| 13 | M20 | X | 0 | 0 | %100 |
| 14 | M20 | Z | -27.015 | -27.015 | 0 |
| 15 | M25 | X | 0 | 0 | %100 |
| 16 | M25 | Z | -12.063 | -12.063 | 0 |
| 17 | M26 | X | 0 | 0 | %100 |
| 18 | M26 | Z | -12.063 | -12.063 | 0 |
| 19 | M29 | X | 0 | 0 | %100 |
| 20 | M29 | Z | -12.063 | -12.063 | 0 |
| 21 | M32 | X | 0 | 0 | %100 |
| 22 | M32 | Z | 0 | 0 | %100 |
| 23 | M51 | X | 0 | 0 | %100 |
| 24 | M51 | Z | 0 | 0 | %100 |
| 25 | M51A | X | 0 | 0 | %100 |
| 26 | M51A | Z | 0 | 0 | %100 |
| 27 | M53A | X | 0 | 0 | %100 |
| 28 | M53A | Z | 0 | 0 | %100 |
| 29 | M34A | X | 0 | 0 | %100 |
| 30 | M34A | Z | -22.794 | -22.794 | 0 |
| 31 | M35 | X | 0 | 0 | %100 |
| 32 | M35 | Z | -22.794 | -22.794 | 0 |
| 33 | M38 | X | 0 | 0 | %100 |
| 34 | M38 | Z | -14.972 | -14.972 | 0 |

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... | End Location[... |
|--------------|-----------|------------------------------|----------------------------|-------------------|------------------|
| 1 | M21 | X | 5.614 | 5.614 | 0 |
| 2 | M21 | Z | -9.724 | -9.724 | 0 |
| 3 | M24 | X | 5.614 | 5.614 | 0 |
| 4 | M24 | Z | -9.724 | -9.724 | 0 |
| 5 | MP4A | X | 7.486 | 7.486 | 0 |
| 6 | MP4A | Z | -12.966 | -12.966 | 0 |
| 7 | MP3A | X | 7.486 | 7.486 | 0 |
| 8 | MP3A | Z | -12.966 | -12.966 | 0 |
| 9 | MP1A | X | 7.486 | 7.486 | 0 |
| 10 | MP1A | Z | -12.966 | -12.966 | 0 |
| 11 | M19 | X | 10.131 | 10.131 | 0 |
| 12 | M19 | Z | -17.547 | -17.547 | 0 |
| 13 | M20 | X | 10.131 | 10.131 | 0 |
| 14 | M20 | Z | -17.547 | -17.547 | 0 |
| 15 | M25 | X | 6.031 | 6.031 | 0 |
| 16 | M25 | Z | -10.447 | -10.447 | 0 |
| 17 | M26 | X | 6.031 | 6.031 | 0 |
| 18 | M26 | Z | -10.447 | -10.447 | 0 |
| 19 | M29 | X | 6.031 | 6.031 | 0 |



Company : Maser Consulting
 Designer : MNC
 Job Number : Project No. 10038458
 Model Name : 468092-VZW_MT_LOT_SectorB_H

Apr 5, 2021
 2:17 PM
 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... | End Location[i... |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 20 | M29 | Z | -10.447 | -10.447 | 0 | %100 |
| 21 | M32 | X | 3.301 | 3.301 | 0 | %100 |
| 22 | M32 | Z | -5.717 | -5.717 | 0 | %100 |
| 23 | M51 | X | 3.301 | 3.301 | 0 | %100 |
| 24 | M51 | Z | -5.717 | -5.717 | 0 | %100 |
| 25 | M51A | X | 3.896 | 3.896 | 0 | %100 |
| 26 | M51A | Z | -6.749 | -6.749 | 0 | %100 |
| 27 | M53A | X | 3.896 | 3.896 | 0 | %100 |
| 28 | M53A | Z | -6.749 | -6.749 | 0 | %100 |
| 29 | M34A | X | 11.397 | 11.397 | 0 | %100 |
| 30 | M34A | Z | -19.74 | -19.74 | 0 | %100 |
| 31 | M35 | X | 11.397 | 11.397 | 0 | %100 |
| 32 | M35 | Z | -19.74 | -19.74 | 0 | %100 |
| 33 | M38 | X | 7.486 | 7.486 | 0 | %100 |
| 34 | M38 | Z | -12.966 | -12.966 | 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... | End Location[i... |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 1 | M21 | X | 3.241 | 3.241 | 0 | %100 |
| 2 | M21 | Z | -1.871 | -1.871 | 0 | %100 |
| 3 | M24 | X | 3.241 | 3.241 | 0 | %100 |
| 4 | M24 | Z | -1.871 | -1.871 | 0 | %100 |
| 5 | MP4A | X | 12.966 | 12.966 | 0 | %100 |
| 6 | MP4A | Z | -7.486 | -7.486 | 0 | %100 |
| 7 | MP3A | X | 12.966 | 12.966 | 0 | %100 |
| 8 | MP3A | Z | -7.486 | -7.486 | 0 | %100 |
| 9 | MP1A | X | 12.966 | 12.966 | 0 | %100 |
| 10 | MP1A | Z | -7.486 | -7.486 | 0 | %100 |
| 11 | M19 | X | 5.849 | 5.849 | 0 | %100 |
| 12 | M19 | Z | -3.377 | -3.377 | 0 | %100 |
| 13 | M20 | X | 5.849 | 5.849 | 0 | %100 |
| 14 | M20 | Z | -3.377 | -3.377 | 0 | %100 |
| 15 | M25 | X | 10.447 | 10.447 | 0 | %100 |
| 16 | M25 | Z | -6.031 | -6.031 | 0 | %100 |
| 17 | M26 | X | 10.447 | 10.447 | 0 | %100 |
| 18 | M26 | Z | -6.031 | -6.031 | 0 | %100 |
| 19 | M29 | X | 10.447 | 10.447 | 0 | %100 |
| 20 | M29 | Z | -6.031 | -6.031 | 0 | %100 |
| 21 | M32 | X | 17.151 | 17.151 | 0 | %100 |
| 22 | M32 | Z | -9.902 | -9.902 | 0 | %100 |
| 23 | M51 | X | 17.151 | 17.151 | 0 | %100 |
| 24 | M51 | Z | -9.902 | -9.902 | 0 | %100 |
| 25 | M51A | X | 20.246 | 20.246 | 0 | %100 |
| 26 | M51A | Z | -11.689 | -11.689 | 0 | %100 |
| 27 | M53A | X | 20.246 | 20.246 | 0 | %100 |
| 28 | M53A | Z | -11.689 | -11.689 | 0 | %100 |
| 29 | M34A | X | 19.74 | 19.74 | 0 | %100 |
| 30 | M34A | Z | -11.397 | -11.397 | 0 | %100 |
| 31 | M35 | X | 19.74 | 19.74 | 0 | %100 |
| 32 | M35 | Z | -11.397 | -11.397 | 0 | %100 |
| 33 | M38 | X | 12.966 | 12.966 | 0 | %100 |
| 34 | M38 | Z | -7.486 | -7.486 | 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... | End Location[i... |
|---|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 1 | M21 | X | 0 | 0 | 0 | %100 |



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

| Member Label | Direction | Start Magnitude[lb/ft.F,ksf] | End Magnitude[lb/ft.F,ksf] | Start Location... | End Location[i... | |
|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|------|
| 2 | M21 | Z | 0 | 0 | %100 | |
| 3 | M24 | X | 0 | 0 | %100 | |
| 4 | M24 | Z | 0 | 0 | %100 | |
| 5 | MP4A | X | 14.972 | 14.972 | 0 | %100 |
| 6 | MP4A | Z | 0 | 0 | 0 | %100 |
| 7 | MP3A | X | 14.972 | 14.972 | 0 | %100 |
| 8 | MP3A | Z | 0 | 0 | 0 | %100 |
| 9 | MP1A | X | 14.972 | 14.972 | 0 | %100 |
| 10 | MP1A | Z | 0 | 0 | 0 | %100 |
| 11 | M19 | X | 0 | 0 | 0 | %100 |
| 12 | M19 | Z | 0 | 0 | 0 | %100 |
| 13 | M20 | X | 0 | 0 | 0 | %100 |
| 14 | M20 | Z | 0 | 0 | 0 | %100 |
| 15 | M25 | X | 12.063 | 12.063 | 0 | %100 |
| 16 | M25 | Z | 0 | 0 | 0 | %100 |
| 17 | M26 | X | 12.063 | 12.063 | 0 | %100 |
| 18 | M26 | Z | 0 | 0 | 0 | %100 |
| 19 | M29 | X | 12.063 | 12.063 | 0 | %100 |
| 20 | M29 | Z | 0 | 0 | 0 | %100 |
| 21 | M32 | X | 26.406 | 26.406 | 0 | %100 |
| 22 | M32 | Z | 0 | 0 | 0 | %100 |
| 23 | M51 | X | 26.406 | 26.406 | 0 | %100 |
| 24 | M51 | Z | 0 | 0 | 0 | %100 |
| 25 | M51A | X | 31.171 | 31.171 | 0 | %100 |
| 26 | M51A | Z | 0 | 0 | 0 | %100 |
| 27 | M53A | X | 31.171 | 31.171 | 0 | %100 |
| 28 | M53A | Z | 0 | 0 | 0 | %100 |
| 29 | M34A | X | 22.794 | 22.794 | 0 | %100 |
| 30 | M34A | Z | 0 | 0 | 0 | %100 |
| 31 | M35 | X | 22.794 | 22.794 | 0 | %100 |
| 32 | M35 | Z | 0 | 0 | 0 | %100 |
| 33 | M38 | X | 14.972 | 14.972 | 0 | %100 |
| 34 | M38 | 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... | End Location[i... | |
|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|------|
| 1 | M21 | X | 3.241 | 3.241 | 0 | %100 |
| 2 | M21 | Z | 1.871 | 1.871 | 0 | %100 |
| 3 | M24 | X | 3.241 | 3.241 | 0 | %100 |
| 4 | M24 | Z | 1.871 | 1.871 | 0 | %100 |
| 5 | MP4A | X | 12.966 | 12.966 | 0 | %100 |
| 6 | MP4A | Z | 7.486 | 7.486 | 0 | %100 |
| 7 | MP3A | X | 12.966 | 12.966 | 0 | %100 |
| 8 | MP3A | Z | 7.486 | 7.486 | 0 | %100 |
| 9 | MP1A | X | 12.966 | 12.966 | 0 | %100 |
| 10 | MP1A | Z | 7.486 | 7.486 | 0 | %100 |
| 11 | M19 | X | 5.849 | 5.849 | 0 | %100 |
| 12 | M19 | Z | 3.377 | 3.377 | 0 | %100 |
| 13 | M20 | X | 5.849 | 5.849 | 0 | %100 |
| 14 | M20 | Z | 3.377 | 3.377 | 0 | %100 |
| 15 | M25 | X | 10.447 | 10.447 | 0 | %100 |
| 16 | M25 | Z | 6.031 | 6.031 | 0 | %100 |
| 17 | M26 | X | 10.447 | 10.447 | 0 | %100 |
| 18 | M26 | Z | 6.031 | 6.031 | 0 | %100 |
| 19 | M29 | X | 10.447 | 10.447 | 0 | %100 |
| 20 | M29 | Z | 6.031 | 6.031 | 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... | End Location[i... |
|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 21 | M32 | X | 17.151 | 17.151 | 0 %100 |
| 22 | M32 | Z | 9.902 | 9.902 | 0 %100 |
| 23 | M51 | X | 17.151 | 17.151 | 0 %100 |
| 24 | M51 | Z | 9.902 | 9.902 | 0 %100 |
| 25 | M51A | X | 20.246 | 20.246 | 0 %100 |
| 26 | M51A | Z | 11.689 | 11.689 | 0 %100 |
| 27 | M53A | X | 20.246 | 20.246 | 0 %100 |
| 28 | M53A | Z | 11.689 | 11.689 | 0 %100 |
| 29 | M34A | X | 19.74 | 19.74 | 0 %100 |
| 30 | M34A | Z | 11.397 | 11.397 | 0 %100 |
| 31 | M35 | X | 19.74 | 19.74 | 0 %100 |
| 32 | M35 | Z | 11.397 | 11.397 | 0 %100 |
| 33 | M38 | X | 12.966 | 12.966 | 0 %100 |
| 34 | M38 | Z | 7.486 | 7.486 | 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... | End Location[i... |
|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 1 | M21 | X | 5.614 | 5.614 | 0 %100 |
| 2 | M21 | Z | 9.724 | 9.724 | 0 %100 |
| 3 | M24 | X | 5.614 | 5.614 | 0 %100 |
| 4 | M24 | Z | 9.724 | 9.724 | 0 %100 |
| 5 | MP4A | X | 7.486 | 7.486 | 0 %100 |
| 6 | MP4A | Z | 12.966 | 12.966 | 0 %100 |
| 7 | MP3A | X | 7.486 | 7.486 | 0 %100 |
| 8 | MP3A | Z | 12.966 | 12.966 | 0 %100 |
| 9 | MP1A | X | 7.486 | 7.486 | 0 %100 |
| 10 | MP1A | Z | 12.966 | 12.966 | 0 %100 |
| 11 | M19 | X | 10.131 | 10.131 | 0 %100 |
| 12 | M19 | Z | 17.547 | 17.547 | 0 %100 |
| 13 | M20 | X | 10.131 | 10.131 | 0 %100 |
| 14 | M20 | Z | 17.547 | 17.547 | 0 %100 |
| 15 | M25 | X | 6.031 | 6.031 | 0 %100 |
| 16 | M25 | Z | 10.447 | 10.447 | 0 %100 |
| 17 | M26 | X | 6.031 | 6.031 | 0 %100 |
| 18 | M26 | Z | 10.447 | 10.447 | 0 %100 |
| 19 | M29 | X | 6.031 | 6.031 | 0 %100 |
| 20 | M29 | Z | 10.447 | 10.447 | 0 %100 |
| 21 | M32 | X | 3.301 | 3.301 | 0 %100 |
| 22 | M32 | Z | 5.717 | 5.717 | 0 %100 |
| 23 | M51 | X | 3.301 | 3.301 | 0 %100 |
| 24 | M51 | Z | 5.717 | 5.717 | 0 %100 |
| 25 | M51A | X | 3.896 | 3.896 | 0 %100 |
| 26 | M51A | Z | 6.749 | 6.749 | 0 %100 |
| 27 | M53A | X | 3.896 | 3.896 | 0 %100 |
| 28 | M53A | Z | 6.749 | 6.749 | 0 %100 |
| 29 | M34A | X | 11.397 | 11.397 | 0 %100 |
| 30 | M34A | Z | 19.74 | 19.74 | 0 %100 |
| 31 | M35 | X | 11.397 | 11.397 | 0 %100 |
| 32 | M35 | Z | 19.74 | 19.74 | 0 %100 |
| 33 | M38 | X | 7.486 | 7.486 | 0 %100 |
| 34 | M38 | Z | 12.966 | 12.966 | 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... | End Location[i... |
|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 1 | M21 | X | 0 | 0 | 0 %100 |
| 2 | M21 | Z | 14.972 | 14.972 | 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... | End Location[... |
|--------------|-----------|------------------------------|----------------------------|-------------------|------------------|
| 3 | M24 | X | 0 | 0 | %100 |
| 4 | M24 | Z | 14.972 | 0 | %100 |
| 5 | MP4A | X | 0 | 0 | %100 |
| 6 | MP4A | Z | 14.972 | 0 | %100 |
| 7 | MP3A | X | 0 | 0 | %100 |
| 8 | MP3A | Z | 14.972 | 0 | %100 |
| 9 | MP1A | X | 0 | 0 | %100 |
| 10 | MP1A | Z | 14.972 | 0 | %100 |
| 11 | M19 | X | 0 | 0 | %100 |
| 12 | M19 | Z | 27.015 | 0 | %100 |
| 13 | M20 | X | 0 | 0 | %100 |
| 14 | M20 | Z | 27.015 | 0 | %100 |
| 15 | M25 | X | 0 | 0 | %100 |
| 16 | M25 | Z | 12.063 | 0 | %100 |
| 17 | M26 | X | 0 | 0 | %100 |
| 18 | M26 | Z | 12.063 | 0 | %100 |
| 19 | M29 | X | 0 | 0 | %100 |
| 20 | M29 | Z | 12.063 | 0 | %100 |
| 21 | M32 | X | 0 | 0 | %100 |
| 22 | M32 | Z | 0 | 0 | %100 |
| 23 | M51 | X | 0 | 0 | %100 |
| 24 | M51 | Z | 0 | 0 | %100 |
| 25 | M51A | X | 0 | 0 | %100 |
| 26 | M51A | Z | 0 | 0 | %100 |
| 27 | M53A | X | 0 | 0 | %100 |
| 28 | M53A | Z | 0 | 0 | %100 |
| 29 | M34A | X | 0 | 0 | %100 |
| 30 | M34A | Z | 22.794 | 0 | %100 |
| 31 | M35 | X | 0 | 0 | %100 |
| 32 | M35 | Z | 22.794 | 0 | %100 |
| 33 | M38 | X | 0 | 0 | %100 |
| 34 | M38 | Z | 14.972 | 0 | %100 |

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

| Member Label | Direction | Start Magnitude[lb/ft,F,ksf] | End Magnitude[lb/ft,F,ksf] | Start Location... | End Location[... |
|--------------|-----------|------------------------------|----------------------------|-------------------|------------------|
| 1 | M21 | X | -5.614 | 0 | %100 |
| 2 | M21 | Z | 9.724 | 0 | %100 |
| 3 | M24 | X | -5.614 | 0 | %100 |
| 4 | M24 | Z | 9.724 | 0 | %100 |
| 5 | MP4A | X | -7.486 | 0 | %100 |
| 6 | MP4A | Z | 12.966 | 0 | %100 |
| 7 | MP3A | X | -7.486 | 0 | %100 |
| 8 | MP3A | Z | 12.966 | 0 | %100 |
| 9 | MP1A | X | -7.486 | 0 | %100 |
| 10 | MP1A | Z | 12.966 | 0 | %100 |
| 11 | M19 | X | -10.131 | 0 | %100 |
| 12 | M19 | Z | 17.547 | 0 | %100 |
| 13 | M20 | X | -10.131 | 0 | %100 |
| 14 | M20 | Z | 17.547 | 0 | %100 |
| 15 | M25 | X | -6.031 | 0 | %100 |
| 16 | M25 | Z | 10.447 | 0 | %100 |
| 17 | M26 | X | -6.031 | 0 | %100 |
| 18 | M26 | Z | 10.447 | 0 | %100 |
| 19 | M29 | X | -6.031 | 0 | %100 |
| 20 | M29 | Z | 10.447 | 0 | %100 |
| 21 | M32 | X | -3.301 | 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... | End Location[i... |
|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 22 | M32 | Z | 5.717 | 0 | %100 |
| 23 | M51 | X | -3.301 | 0 | %100 |
| 24 | M51 | Z | 5.717 | 0 | %100 |
| 25 | M51A | X | -3.896 | 0 | %100 |
| 26 | M51A | Z | 6.749 | 0 | %100 |
| 27 | M53A | X | -3.896 | 0 | %100 |
| 28 | M53A | Z | 6.749 | 0 | %100 |
| 29 | M34A | X | -11.397 | 0 | %100 |
| 30 | M34A | Z | 19.74 | 0 | %100 |
| 31 | M35 | X | -11.397 | 0 | %100 |
| 32 | M35 | Z | 19.74 | 0 | %100 |
| 33 | M38 | X | -7.486 | 0 | %100 |
| 34 | M38 | Z | 12.966 | 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... | End Location[i... |
|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 1 | M21 | X | -3.241 | 0 | %100 |
| 2 | M21 | Z | 1.871 | 0 | %100 |
| 3 | M24 | X | -3.241 | 0 | %100 |
| 4 | M24 | Z | 1.871 | 0 | %100 |
| 5 | MP4A | X | -12.966 | 0 | %100 |
| 6 | MP4A | Z | 7.486 | 0 | %100 |
| 7 | MP3A | X | -12.966 | 0 | %100 |
| 8 | MP3A | Z | 7.486 | 0 | %100 |
| 9 | MP1A | X | -12.966 | 0 | %100 |
| 10 | MP1A | Z | 7.486 | 0 | %100 |
| 11 | M19 | X | -5.849 | 0 | %100 |
| 12 | M19 | Z | 3.377 | 0 | %100 |
| 13 | M20 | X | -5.849 | 0 | %100 |
| 14 | M20 | Z | 3.377 | 0 | %100 |
| 15 | M25 | X | -10.447 | 0 | %100 |
| 16 | M25 | Z | 6.031 | 0 | %100 |
| 17 | M26 | X | -10.447 | 0 | %100 |
| 18 | M26 | Z | 6.031 | 0 | %100 |
| 19 | M29 | X | -10.447 | 0 | %100 |
| 20 | M29 | Z | 6.031 | 0 | %100 |
| 21 | M32 | X | -17.151 | 0 | %100 |
| 22 | M32 | Z | 9.902 | 0 | %100 |
| 23 | M51 | X | -17.151 | 0 | %100 |
| 24 | M51 | Z | 9.902 | 0 | %100 |
| 25 | M51A | X | -20.246 | 0 | %100 |
| 26 | M51A | Z | 11.689 | 0 | %100 |
| 27 | M53A | X | -20.246 | 0 | %100 |
| 28 | M53A | Z | 11.689 | 0 | %100 |
| 29 | M34A | X | -19.74 | 0 | %100 |
| 30 | M34A | Z | 11.397 | 0 | %100 |
| 31 | M35 | X | -19.74 | 0 | %100 |
| 32 | M35 | Z | 11.397 | 0 | %100 |
| 33 | M38 | X | -12.966 | 0 | %100 |
| 34 | M38 | Z | 7.486 | 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... | End Location[i... |
|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 1 | M21 | X | 0 | 0 | %100 |
| 2 | M21 | Z | 0 | 0 | %100 |
| 3 | M24 | X | 0 | 0 | %100 |



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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... | End Location[i... | |
|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|------|
| 4 | M24 | Z | 0 | 0 | %100 | |
| 5 | MP4A | X | -14.972 | -14.972 | 0 | %100 |
| 6 | MP4A | Z | 0 | 0 | 0 | %100 |
| 7 | MP3A | X | -14.972 | -14.972 | 0 | %100 |
| 8 | MP3A | Z | 0 | 0 | 0 | %100 |
| 9 | MP1A | X | -14.972 | -14.972 | 0 | %100 |
| 10 | MP1A | Z | 0 | 0 | 0 | %100 |
| 11 | M19 | X | 0 | 0 | 0 | %100 |
| 12 | M19 | Z | 0 | 0 | 0 | %100 |
| 13 | M20 | X | 0 | 0 | 0 | %100 |
| 14 | M20 | Z | 0 | 0 | 0 | %100 |
| 15 | M25 | X | -12.063 | -12.063 | 0 | %100 |
| 16 | M25 | Z | 0 | 0 | 0 | %100 |
| 17 | M26 | X | -12.063 | -12.063 | 0 | %100 |
| 18 | M26 | Z | 0 | 0 | 0 | %100 |
| 19 | M29 | X | -12.063 | -12.063 | 0 | %100 |
| 20 | M29 | Z | 0 | 0 | 0 | %100 |
| 21 | M32 | X | -26.406 | -26.406 | 0 | %100 |
| 22 | M32 | Z | 0 | 0 | 0 | %100 |
| 23 | M51 | X | -26.406 | -26.406 | 0 | %100 |
| 24 | M51 | Z | 0 | 0 | 0 | %100 |
| 25 | M51A | X | -31.171 | -31.171 | 0 | %100 |
| 26 | M51A | Z | 0 | 0 | 0 | %100 |
| 27 | M53A | X | -31.171 | -31.171 | 0 | %100 |
| 28 | M53A | Z | 0 | 0 | 0 | %100 |
| 29 | M34A | X | -22.794 | -22.794 | 0 | %100 |
| 30 | M34A | Z | 0 | 0 | 0 | %100 |
| 31 | M35 | X | -22.794 | -22.794 | 0 | %100 |
| 32 | M35 | Z | 0 | 0 | 0 | %100 |
| 33 | M38 | X | -14.972 | -14.972 | 0 | %100 |
| 34 | M38 | 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... | End Location[i... | |
|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|------|
| 1 | M21 | X | -3.241 | -3.241 | 0 | %100 |
| 2 | M21 | Z | -1.871 | -1.871 | 0 | %100 |
| 3 | M24 | X | -3.241 | -3.241 | 0 | %100 |
| 4 | M24 | Z | -1.871 | -1.871 | 0 | %100 |
| 5 | MP4A | X | -12.966 | -12.966 | 0 | %100 |
| 6 | MP4A | Z | -7.486 | -7.486 | 0 | %100 |
| 7 | MP3A | X | -12.966 | -12.966 | 0 | %100 |
| 8 | MP3A | Z | -7.486 | -7.486 | 0 | %100 |
| 9 | MP1A | X | -12.966 | -12.966 | 0 | %100 |
| 10 | MP1A | Z | -7.486 | -7.486 | 0 | %100 |
| 11 | M19 | X | -5.849 | -5.849 | 0 | %100 |
| 12 | M19 | Z | -3.377 | -3.377 | 0 | %100 |
| 13 | M20 | X | -5.849 | -5.849 | 0 | %100 |
| 14 | M20 | Z | -3.377 | -3.377 | 0 | %100 |
| 15 | M25 | X | -10.447 | -10.447 | 0 | %100 |
| 16 | M25 | Z | -6.031 | -6.031 | 0 | %100 |
| 17 | M26 | X | -10.447 | -10.447 | 0 | %100 |
| 18 | M26 | Z | -6.031 | -6.031 | 0 | %100 |
| 19 | M29 | X | -10.447 | -10.447 | 0 | %100 |
| 20 | M29 | Z | -6.031 | -6.031 | 0 | %100 |
| 21 | M32 | X | -17.151 | -17.151 | 0 | %100 |
| 22 | M32 | Z | -9.902 | -9.902 | 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... | End Location[i...] |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|
| 23 | M51 | X | -17.151 | -17.151 | 0 | %100 |
| 24 | M51 | Z | -9.902 | -9.902 | 0 | %100 |
| 25 | M51A | X | -20.246 | -20.246 | 0 | %100 |
| 26 | M51A | Z | -11.689 | -11.689 | 0 | %100 |
| 27 | M53A | X | -20.246 | -20.246 | 0 | %100 |
| 28 | M53A | Z | -11.689 | -11.689 | 0 | %100 |
| 29 | M34A | X | -19.74 | -19.74 | 0 | %100 |
| 30 | M34A | Z | -11.397 | -11.397 | 0 | %100 |
| 31 | M35 | X | -19.74 | -19.74 | 0 | %100 |
| 32 | M35 | Z | -11.397 | -11.397 | 0 | %100 |
| 33 | M38 | X | -12.966 | -12.966 | 0 | %100 |
| 34 | M38 | Z | -7.486 | -7.486 | 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... | End Location[i...] |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|
| 1 | M21 | X | -5.614 | -5.614 | 0 | %100 |
| 2 | M21 | Z | -9.724 | -9.724 | 0 | %100 |
| 3 | M24 | X | -5.614 | -5.614 | 0 | %100 |
| 4 | M24 | Z | -9.724 | -9.724 | 0 | %100 |
| 5 | MP4A | X | -7.486 | -7.486 | 0 | %100 |
| 6 | MP4A | Z | -12.966 | -12.966 | 0 | %100 |
| 7 | MP3A | X | -7.486 | -7.486 | 0 | %100 |
| 8 | MP3A | Z | -12.966 | -12.966 | 0 | %100 |
| 9 | MP1A | X | -7.486 | -7.486 | 0 | %100 |
| 10 | MP1A | Z | -12.966 | -12.966 | 0 | %100 |
| 11 | M19 | X | -10.131 | -10.131 | 0 | %100 |
| 12 | M19 | Z | -17.547 | -17.547 | 0 | %100 |
| 13 | M20 | X | -10.131 | -10.131 | 0 | %100 |
| 14 | M20 | Z | -17.547 | -17.547 | 0 | %100 |
| 15 | M25 | X | -6.031 | -6.031 | 0 | %100 |
| 16 | M25 | Z | -10.447 | -10.447 | 0 | %100 |
| 17 | M26 | X | -6.031 | -6.031 | 0 | %100 |
| 18 | M26 | Z | -10.447 | -10.447 | 0 | %100 |
| 19 | M29 | X | -6.031 | -6.031 | 0 | %100 |
| 20 | M29 | Z | -10.447 | -10.447 | 0 | %100 |
| 21 | M32 | X | -3.301 | -3.301 | 0 | %100 |
| 22 | M32 | Z | -5.717 | -5.717 | 0 | %100 |
| 23 | M51 | X | -3.301 | -3.301 | 0 | %100 |
| 24 | M51 | Z | -5.717 | -5.717 | 0 | %100 |
| 25 | M51A | X | -3.896 | -3.896 | 0 | %100 |
| 26 | M51A | Z | -6.749 | -6.749 | 0 | %100 |
| 27 | M53A | X | -3.896 | -3.896 | 0 | %100 |
| 28 | M53A | Z | -6.749 | -6.749 | 0 | %100 |
| 29 | M34A | X | -11.397 | -11.397 | 0 | %100 |
| 30 | M34A | Z | -19.74 | -19.74 | 0 | %100 |
| 31 | M35 | X | -11.397 | -11.397 | 0 | %100 |
| 32 | M35 | Z | -19.74 | -19.74 | 0 | %100 |
| 33 | M38 | X | -7.486 | -7.486 | 0 | %100 |
| 34 | M38 | Z | -12.966 | -12.966 | 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... | End Location[i...] |
|---|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|
| 1 | M21 | X | 0 | 0 | 0 | %100 |
| 2 | M21 | Z | -5.002 | -5.002 | 0 | %100 |
| 3 | M24 | X | 0 | 0 | 0 | %100 |
| 4 | M24 | Z | -4.628 | -4.628 | 0 | %100 |



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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... | End Location[i...] | |
|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|------|
| 5 | MP4A | X | 0 | 0 | %100 | |
| 6 | MP4A | Z | -5.002 | -5.002 | 0 | %100 |
| 7 | MP3A | X | 0 | 0 | 0 | %100 |
| 8 | MP3A | Z | -4.628 | -4.628 | 0 | %100 |
| 9 | MP1A | X | 0 | 0 | 0 | %100 |
| 10 | MP1A | Z | -4.628 | -4.628 | 0 | %100 |
| 11 | M19 | X | 0 | 0 | 0 | %100 |
| 12 | M19 | Z | -6.332 | -6.332 | 0 | %100 |
| 13 | M20 | X | 0 | 0 | 0 | %100 |
| 14 | M20 | Z | -6.332 | -6.332 | 0 | %100 |
| 15 | M25 | X | 0 | 0 | 0 | %100 |
| 16 | M25 | Z | -3.508 | -3.508 | 0 | %100 |
| 17 | M26 | X | 0 | 0 | 0 | %100 |
| 18 | M26 | Z | -3.508 | -3.508 | 0 | %100 |
| 19 | M29 | X | 0 | 0 | 0 | %100 |
| 20 | M29 | Z | -3.508 | -3.508 | 0 | %100 |
| 21 | M32 | X | 0 | 0 | 0 | %100 |
| 22 | M32 | Z | 0 | 0 | 0 | %100 |
| 23 | M51 | X | 0 | 0 | 0 | %100 |
| 24 | M51 | Z | 0 | 0 | 0 | %100 |
| 25 | M51A | X | 0 | 0 | 0 | %100 |
| 26 | M51A | Z | 0 | 0 | 0 | %100 |
| 27 | M53A | X | 0 | 0 | 0 | %100 |
| 28 | M53A | Z | 0 | 0 | 0 | %100 |
| 29 | M34A | X | 0 | 0 | 0 | %100 |
| 30 | M34A | Z | -5.657 | -5.657 | 0 | %100 |
| 31 | M35 | X | 0 | 0 | 0 | %100 |
| 32 | M35 | Z | -5.657 | -5.657 | 0 | %100 |
| 33 | M38 | X | 0 | 0 | 0 | %100 |
| 34 | M38 | Z | -5.002 | -5.002 | 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... | End Location[i...] | |
|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|------|
| 1 | M21 | X | 1.876 | 1.876 | 0 | %100 |
| 2 | M21 | Z | -3.249 | -3.249 | 0 | %100 |
| 3 | M24 | X | 1.736 | 1.736 | 0 | %100 |
| 4 | M24 | Z | -3.006 | -3.006 | 0 | %100 |
| 5 | MP4A | X | 2.501 | 2.501 | 0 | %100 |
| 6 | MP4A | Z | -4.332 | -4.332 | 0 | %100 |
| 7 | MP3A | X | 2.314 | 2.314 | 0 | %100 |
| 8 | MP3A | Z | -4.008 | -4.008 | 0 | %100 |
| 9 | MP1A | X | 2.314 | 2.314 | 0 | %100 |
| 10 | MP1A | Z | -4.008 | -4.008 | 0 | %100 |
| 11 | M19 | X | 2.375 | 2.375 | 0 | %100 |
| 12 | M19 | Z | -4.113 | -4.113 | 0 | %100 |
| 13 | M20 | X | 2.375 | 2.375 | 0 | %100 |
| 14 | M20 | Z | -4.113 | -4.113 | 0 | %100 |
| 15 | M25 | X | 1.754 | 1.754 | 0 | %100 |
| 16 | M25 | Z | -3.038 | -3.038 | 0 | %100 |
| 17 | M26 | X | 1.754 | 1.754 | 0 | %100 |
| 18 | M26 | Z | -3.038 | -3.038 | 0 | %100 |
| 19 | M29 | X | 1.754 | 1.754 | 0 | %100 |
| 20 | M29 | Z | -3.038 | -3.038 | 0 | %100 |
| 21 | M32 | X | .773 | .773 | 0 | %100 |
| 22 | M32 | Z | -1.338 | -1.338 | 0 | %100 |
| 23 | M51 | X | .773 | .773 | 0 | %100 |



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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... | End Location[i... |
|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 24 | M51 | Z | -1.338 | 0 | %100 |
| 25 | M51A | X | .875 | 0 | %100 |
| 26 | M51A | Z | -1.515 | 0 | %100 |
| 27 | M53A | X | .875 | 0 | %100 |
| 28 | M53A | Z | -1.515 | 0 | %100 |
| 29 | M34A | X | 2.828 | 0 | %100 |
| 30 | M34A | Z | -4.899 | 0 | %100 |
| 31 | M35 | X | 2.828 | 0 | %100 |
| 32 | M35 | Z | -4.899 | 0 | %100 |
| 33 | M38 | X | 2.501 | 0 | %100 |
| 34 | M38 | Z | -4.332 | 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... | End Location[i... |
|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 1 | M21 | X | 1.083 | 0 | %100 |
| 2 | M21 | Z | -625 | 0 | %100 |
| 3 | M24 | X | 1.002 | 0 | %100 |
| 4 | M24 | Z | -.579 | 0 | %100 |
| 5 | MP4A | X | 4.332 | 0 | %100 |
| 6 | MP4A | Z | -2.501 | 0 | %100 |
| 7 | MP3A | X | 4.008 | 0 | %100 |
| 8 | MP3A | Z | -2.314 | 0 | %100 |
| 9 | MP1A | X | 4.008 | 0 | %100 |
| 10 | MP1A | Z | -2.314 | 0 | %100 |
| 11 | M19 | X | 1.371 | 0 | %100 |
| 12 | M19 | Z | -.792 | 0 | %100 |
| 13 | M20 | X | 1.371 | 0 | %100 |
| 14 | M20 | Z | -.792 | 0 | %100 |
| 15 | M25 | X | 3.038 | 0 | %100 |
| 16 | M25 | Z | -1.754 | 0 | %100 |
| 17 | M26 | X | 3.038 | 0 | %100 |
| 18 | M26 | Z | -1.754 | 0 | %100 |
| 19 | M29 | X | 3.038 | 0 | %100 |
| 20 | M29 | Z | -1.754 | 0 | %100 |
| 21 | M32 | X | 4.015 | 0 | %100 |
| 22 | M32 | Z | -2.318 | 0 | %100 |
| 23 | M51 | X | 4.015 | 0 | %100 |
| 24 | M51 | Z | -2.318 | 0 | %100 |
| 25 | M51A | X | 4.545 | 0 | %100 |
| 26 | M51A | Z | -2.624 | 0 | %100 |
| 27 | M53A | X | 4.545 | 0 | %100 |
| 28 | M53A | Z | -2.624 | 0 | %100 |
| 29 | M34A | X | 4.899 | 0 | %100 |
| 30 | M34A | Z | -2.828 | 0 | %100 |
| 31 | M35 | X | 4.899 | 0 | %100 |
| 32 | M35 | Z | -2.828 | 0 | %100 |
| 33 | M38 | X | 4.332 | 0 | %100 |
| 34 | M38 | Z | -2.501 | 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... | End Location[i... |
|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 1 | M21 | X | 0 | 0 | %100 |
| 2 | M21 | Z | 0 | 0 | %100 |
| 3 | M24 | X | 0 | 0 | %100 |
| 4 | M24 | Z | 0 | 0 | %100 |
| 5 | MP4A | X | 5.002 | 0 | %100 |



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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... | End Location[i...] | |
|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|------|
| 6 | MP4A | Z | 0 | 0 | %100 | |
| 7 | MP3A | X | 4.628 | 4.628 | 0 | %100 |
| 8 | MP3A | Z | 0 | 0 | 0 | %100 |
| 9 | MP1A | X | 4.628 | 4.628 | 0 | %100 |
| 10 | MP1A | Z | 0 | 0 | 0 | %100 |
| 11 | M19 | X | 0 | 0 | 0 | %100 |
| 12 | M19 | Z | 0 | 0 | 0 | %100 |
| 13 | M20 | X | 0 | 0 | 0 | %100 |
| 14 | M20 | Z | 0 | 0 | 0 | %100 |
| 15 | M25 | X | 3.508 | 3.508 | 0 | %100 |
| 16 | M25 | Z | 0 | 0 | 0 | %100 |
| 17 | M26 | X | 3.508 | 3.508 | 0 | %100 |
| 18 | M26 | Z | 0 | 0 | 0 | %100 |
| 19 | M29 | X | 3.508 | 3.508 | 0 | %100 |
| 20 | M29 | Z | 0 | 0 | 0 | %100 |
| 21 | M32 | X | 6.181 | 6.181 | 0 | %100 |
| 22 | M32 | Z | 0 | 0 | 0 | %100 |
| 23 | M51 | X | 6.181 | 6.181 | 0 | %100 |
| 24 | M51 | Z | 0 | 0 | 0 | %100 |
| 25 | M51A | X | 6.997 | 6.997 | 0 | %100 |
| 26 | M51A | Z | 0 | 0 | 0 | %100 |
| 27 | M53A | X | 6.997 | 6.997 | 0 | %100 |
| 28 | M53A | Z | 0 | 0 | 0 | %100 |
| 29 | M34A | X | 5.657 | 5.657 | 0 | %100 |
| 30 | M34A | Z | 0 | 0 | 0 | %100 |
| 31 | M35 | X | 5.657 | 5.657 | 0 | %100 |
| 32 | M35 | Z | 0 | 0 | 0 | %100 |
| 33 | M38 | X | 5.002 | 5.002 | 0 | %100 |
| 34 | M38 | Z | 0 | 0 | 0 | %100 |

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

| Member Label | Direction | Start Magnitude[lb/ft.F,ksf] | End Magnitude[lb/ft.F,ksf] | Start Location... | End Location[i...] | |
|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|------|
| 1 | M21 | X | 1.083 | 1.083 | 0 | %100 |
| 2 | M21 | Z | .625 | .625 | 0 | %100 |
| 3 | M24 | X | 1.002 | 1.002 | 0 | %100 |
| 4 | M24 | Z | .579 | .579 | 0 | %100 |
| 5 | MP4A | X | 4.332 | 4.332 | 0 | %100 |
| 6 | MP4A | Z | 2.501 | 2.501 | 0 | %100 |
| 7 | MP3A | X | 4.008 | 4.008 | 0 | %100 |
| 8 | MP3A | Z | 2.314 | 2.314 | 0 | %100 |
| 9 | MP1A | X | 4.008 | 4.008 | 0 | %100 |
| 10 | MP1A | Z | 2.314 | 2.314 | 0 | %100 |
| 11 | M19 | X | 1.371 | 1.371 | 0 | %100 |
| 12 | M19 | Z | .792 | .792 | 0 | %100 |
| 13 | M20 | X | 1.371 | 1.371 | 0 | %100 |
| 14 | M20 | Z | .792 | .792 | 0 | %100 |
| 15 | M25 | X | 3.038 | 3.038 | 0 | %100 |
| 16 | M25 | Z | 1.754 | 1.754 | 0 | %100 |
| 17 | M26 | X | 3.038 | 3.038 | 0 | %100 |
| 18 | M26 | Z | 1.754 | 1.754 | 0 | %100 |
| 19 | M29 | X | 3.038 | 3.038 | 0 | %100 |
| 20 | M29 | Z | 1.754 | 1.754 | 0 | %100 |
| 21 | M32 | X | 4.015 | 4.015 | 0 | %100 |
| 22 | M32 | Z | 2.318 | 2.318 | 0 | %100 |
| 23 | M51 | X | 4.015 | 4.015 | 0 | %100 |
| 24 | M51 | Z | 2.318 | 2.318 | 0 | %100 |



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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... | End Location[i...] |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|
| 25 | M51A | X | 4.545 | 4.545 | 0 | %100 |
| 26 | M51A | Z | 2.624 | 2.624 | 0 | %100 |
| 27 | M53A | X | 4.545 | 4.545 | 0 | %100 |
| 28 | M53A | Z | 2.624 | 2.624 | 0 | %100 |
| 29 | M34A | X | 4.899 | 4.899 | 0 | %100 |
| 30 | M34A | Z | 2.828 | 2.828 | 0 | %100 |
| 31 | M35 | X | 4.899 | 4.899 | 0 | %100 |
| 32 | M35 | Z | 2.828 | 2.828 | 0 | %100 |
| 33 | M38 | X | 4.332 | 4.332 | 0 | %100 |
| 34 | M38 | Z | 2.501 | 2.501 | 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... | End Location[i...] |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|
| 1 | M21 | X | 1.876 | 1.876 | 0 | %100 |
| 2 | M21 | Z | 3.249 | 3.249 | 0 | %100 |
| 3 | M24 | X | 1.736 | 1.736 | 0 | %100 |
| 4 | M24 | Z | 3.006 | 3.006 | 0 | %100 |
| 5 | MP4A | X | 2.501 | 2.501 | 0 | %100 |
| 6 | MP4A | Z | 4.332 | 4.332 | 0 | %100 |
| 7 | MP3A | X | 2.314 | 2.314 | 0 | %100 |
| 8 | MP3A | Z | 4.008 | 4.008 | 0 | %100 |
| 9 | MP1A | X | 2.314 | 2.314 | 0 | %100 |
| 10 | MP1A | Z | 4.008 | 4.008 | 0 | %100 |
| 11 | M19 | X | 2.375 | 2.375 | 0 | %100 |
| 12 | M19 | Z | 4.113 | 4.113 | 0 | %100 |
| 13 | M20 | X | 2.375 | 2.375 | 0 | %100 |
| 14 | M20 | Z | 4.113 | 4.113 | 0 | %100 |
| 15 | M25 | X | 1.754 | 1.754 | 0 | %100 |
| 16 | M25 | Z | 3.038 | 3.038 | 0 | %100 |
| 17 | M26 | X | 1.754 | 1.754 | 0 | %100 |
| 18 | M26 | Z | 3.038 | 3.038 | 0 | %100 |
| 19 | M29 | X | 1.754 | 1.754 | 0 | %100 |
| 20 | M29 | Z | 3.038 | 3.038 | 0 | %100 |
| 21 | M32 | X | .773 | .773 | 0 | %100 |
| 22 | M32 | Z | 1.338 | 1.338 | 0 | %100 |
| 23 | M51 | X | .773 | .773 | 0 | %100 |
| 24 | M51 | Z | 1.338 | 1.338 | 0 | %100 |
| 25 | M51A | X | .875 | .875 | 0 | %100 |
| 26 | M51A | Z | 1.515 | 1.515 | 0 | %100 |
| 27 | M53A | X | .875 | .875 | 0 | %100 |
| 28 | M53A | Z | 1.515 | 1.515 | 0 | %100 |
| 29 | M34A | X | 2.828 | 2.828 | 0 | %100 |
| 30 | M34A | Z | 4.899 | 4.899 | 0 | %100 |
| 31 | M35 | X | 2.828 | 2.828 | 0 | %100 |
| 32 | M35 | Z | 4.899 | 4.899 | 0 | %100 |
| 33 | M38 | X | 2.501 | 2.501 | 0 | %100 |
| 34 | M38 | Z | 4.332 | 4.332 | 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... | End Location[i...] |
|---|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|
| 1 | M21 | X | 0 | 0 | 0 | %100 |
| 2 | M21 | Z | 5.002 | 5.002 | 0 | %100 |
| 3 | M24 | X | 0 | 0 | 0 | %100 |
| 4 | M24 | Z | 4.628 | 4.628 | 0 | %100 |
| 5 | MP4A | X | 0 | 0 | 0 | %100 |
| 6 | MP4A | Z | 5.002 | 5.002 | 0 | %100 |



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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... | End Location[i...] |
|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|
| 7 | MP3A | X | 0 | 0 | %100 |
| 8 | MP3A | Z | 4.628 | 4.628 | 0 |
| 9 | MP1A | X | 0 | 0 | %100 |
| 10 | MP1A | Z | 4.628 | 4.628 | 0 |
| 11 | M19 | X | 0 | 0 | %100 |
| 12 | M19 | Z | 6.332 | 6.332 | 0 |
| 13 | M20 | X | 0 | 0 | %100 |
| 14 | M20 | Z | 6.332 | 6.332 | 0 |
| 15 | M25 | X | 0 | 0 | %100 |
| 16 | M25 | Z | 3.508 | 3.508 | 0 |
| 17 | M26 | X | 0 | 0 | %100 |
| 18 | M26 | Z | 3.508 | 3.508 | 0 |
| 19 | M29 | X | 0 | 0 | %100 |
| 20 | M29 | Z | 3.508 | 3.508 | 0 |
| 21 | M32 | X | 0 | 0 | %100 |
| 22 | M32 | Z | 0 | 0 | %100 |
| 23 | M51 | X | 0 | 0 | %100 |
| 24 | M51 | Z | 0 | 0 | %100 |
| 25 | M51A | X | 0 | 0 | %100 |
| 26 | M51A | Z | 0 | 0 | %100 |
| 27 | M53A | X | 0 | 0 | %100 |
| 28 | M53A | Z | 0 | 0 | %100 |
| 29 | M34A | X | 0 | 0 | %100 |
| 30 | M34A | Z | 5.657 | 5.657 | 0 |
| 31 | M35 | X | 0 | 0 | %100 |
| 32 | M35 | Z | 5.657 | 5.657 | 0 |
| 33 | M38 | X | 0 | 0 | %100 |
| 34 | M38 | Z | 5.002 | 5.002 | 0 |

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... | End Location[i...] |
|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|
| 1 | M21 | X | -1.876 | -1.876 | 0 |
| 2 | M21 | Z | 3.249 | 3.249 | 0 |
| 3 | M24 | X | -1.736 | -1.736 | 0 |
| 4 | M24 | Z | 3.006 | 3.006 | 0 |
| 5 | MP4A | X | -2.501 | -2.501 | 0 |
| 6 | MP4A | Z | 4.332 | 4.332 | 0 |
| 7 | MP3A | X | -2.314 | -2.314 | 0 |
| 8 | MP3A | Z | 4.008 | 4.008 | 0 |
| 9 | MP1A | X | -2.314 | -2.314 | 0 |
| 10 | MP1A | Z | 4.008 | 4.008 | 0 |
| 11 | M19 | X | -2.375 | -2.375 | 0 |
| 12 | M19 | Z | 4.113 | 4.113 | 0 |
| 13 | M20 | X | -2.375 | -2.375 | 0 |
| 14 | M20 | Z | 4.113 | 4.113 | 0 |
| 15 | M25 | X | -1.754 | -1.754 | 0 |
| 16 | M25 | Z | 3.038 | 3.038 | 0 |
| 17 | M26 | X | -1.754 | -1.754 | 0 |
| 18 | M26 | Z | 3.038 | 3.038 | 0 |
| 19 | M29 | X | -1.754 | -1.754 | 0 |
| 20 | M29 | Z | 3.038 | 3.038 | 0 |
| 21 | M32 | X | -.773 | -.773 | 0 |
| 22 | M32 | Z | 1.338 | 1.338 | 0 |
| 23 | M51 | X | -.773 | -.773 | 0 |
| 24 | M51 | Z | 1.338 | 1.338 | 0 |
| 25 | M51A | X | -.875 | -.875 | 0 |



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... | End Location[i...] |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|
| 26 | M51A | Z | 1.515 | 1.515 | 0 | %100 |
| 27 | M53A | X | -0.875 | -0.875 | 0 | %100 |
| 28 | M53A | Z | 1.515 | 1.515 | 0 | %100 |
| 29 | M34A | X | -2.828 | -2.828 | 0 | %100 |
| 30 | M34A | Z | 4.899 | 4.899 | 0 | %100 |
| 31 | M35 | X | -2.828 | -2.828 | 0 | %100 |
| 32 | M35 | Z | 4.899 | 4.899 | 0 | %100 |
| 33 | M38 | X | -2.501 | -2.501 | 0 | %100 |
| 34 | M38 | Z | 4.332 | 4.332 | 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... | End Location[i...] |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|
| 1 | M21 | X | -1.083 | -1.083 | 0 | %100 |
| 2 | M21 | Z | .625 | .625 | 0 | %100 |
| 3 | M24 | X | -1.002 | -1.002 | 0 | %100 |
| 4 | M24 | Z | .579 | .579 | 0 | %100 |
| 5 | MP4A | X | -4.332 | -4.332 | 0 | %100 |
| 6 | MP4A | Z | 2.501 | 2.501 | 0 | %100 |
| 7 | MP3A | X | -4.008 | -4.008 | 0 | %100 |
| 8 | MP3A | Z | 2.314 | 2.314 | 0 | %100 |
| 9 | MP1A | X | -4.008 | -4.008 | 0 | %100 |
| 10 | MP1A | Z | 2.314 | 2.314 | 0 | %100 |
| 11 | M19 | X | -1.371 | -1.371 | 0 | %100 |
| 12 | M19 | Z | .792 | .792 | 0 | %100 |
| 13 | M20 | X | -1.371 | -1.371 | 0 | %100 |
| 14 | M20 | Z | .792 | .792 | 0 | %100 |
| 15 | M25 | X | -3.038 | -3.038 | 0 | %100 |
| 16 | M25 | Z | 1.754 | 1.754 | 0 | %100 |
| 17 | M26 | X | -3.038 | -3.038 | 0 | %100 |
| 18 | M26 | Z | 1.754 | 1.754 | 0 | %100 |
| 19 | M29 | X | -3.038 | -3.038 | 0 | %100 |
| 20 | M29 | Z | 1.754 | 1.754 | 0 | %100 |
| 21 | M32 | X | -4.015 | -4.015 | 0 | %100 |
| 22 | M32 | Z | 2.318 | 2.318 | 0 | %100 |
| 23 | M51 | X | -4.015 | -4.015 | 0 | %100 |
| 24 | M51 | Z | 2.318 | 2.318 | 0 | %100 |
| 25 | M51A | X | -4.545 | -4.545 | 0 | %100 |
| 26 | M51A | Z | 2.624 | 2.624 | 0 | %100 |
| 27 | M53A | X | -4.545 | -4.545 | 0 | %100 |
| 28 | M53A | Z | 2.624 | 2.624 | 0 | %100 |
| 29 | M34A | X | -4.899 | -4.899 | 0 | %100 |
| 30 | M34A | Z | 2.828 | 2.828 | 0 | %100 |
| 31 | M35 | X | -4.899 | -4.899 | 0 | %100 |
| 32 | M35 | Z | 2.828 | 2.828 | 0 | %100 |
| 33 | M38 | X | -4.332 | -4.332 | 0 | %100 |
| 34 | M38 | Z | 2.501 | 2.501 | 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... | End Location[i...] |
|---|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|
| 1 | M21 | X | 0 | 0 | 0 | %100 |
| 2 | M21 | Z | 0 | 0 | 0 | %100 |
| 3 | M24 | X | 0 | 0 | 0 | %100 |
| 4 | M24 | Z | 0 | 0 | 0 | %100 |
| 5 | MP4A | X | -5.002 | -5.002 | 0 | %100 |
| 6 | MP4A | Z | 0 | 0 | 0 | %100 |
| 7 | MP3A | X | -4.628 | -4.628 | 0 | %100 |



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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... | End Location[i... | |
|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|------|
| 8 | MP3A | Z | 0 | 0 | %100 | |
| 9 | MP1A | X | -4.628 | -4.628 | 0 | %100 |
| 10 | MP1A | Z | 0 | 0 | 0 | %100 |
| 11 | M19 | X | 0 | 0 | 0 | %100 |
| 12 | M19 | Z | 0 | 0 | 0 | %100 |
| 13 | M20 | X | 0 | 0 | 0 | %100 |
| 14 | M20 | Z | 0 | 0 | 0 | %100 |
| 15 | M25 | X | -3.508 | -3.508 | 0 | %100 |
| 16 | M25 | Z | 0 | 0 | 0 | %100 |
| 17 | M26 | X | -3.508 | -3.508 | 0 | %100 |
| 18 | M26 | Z | 0 | 0 | 0 | %100 |
| 19 | M29 | X | -3.508 | -3.508 | 0 | %100 |
| 20 | M29 | Z | 0 | 0 | 0 | %100 |
| 21 | M32 | X | -6.181 | -6.181 | 0 | %100 |
| 22 | M32 | Z | 0 | 0 | 0 | %100 |
| 23 | M51 | X | -6.181 | -6.181 | 0 | %100 |
| 24 | M51 | Z | 0 | 0 | 0 | %100 |
| 25 | M51A | X | -6.997 | -6.997 | 0 | %100 |
| 26 | M51A | Z | 0 | 0 | 0 | %100 |
| 27 | M53A | X | -6.997 | -6.997 | 0 | %100 |
| 28 | M53A | Z | 0 | 0 | 0 | %100 |
| 29 | M34A | X | -5.657 | -5.657 | 0 | %100 |
| 30 | M34A | Z | 0 | 0 | 0 | %100 |
| 31 | M35 | X | -5.657 | -5.657 | 0 | %100 |
| 32 | M35 | Z | 0 | 0 | 0 | %100 |
| 33 | M38 | X | -5.002 | -5.002 | 0 | %100 |
| 34 | M38 | 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... | End Location[i... | |
|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|------|
| 1 | M21 | X | -1.083 | -1.083 | 0 | %100 |
| 2 | M21 | Z | -.625 | -.625 | 0 | %100 |
| 3 | M24 | X | -1.002 | -1.002 | 0 | %100 |
| 4 | M24 | Z | -.579 | -.579 | 0 | %100 |
| 5 | MP4A | X | -4.332 | -4.332 | 0 | %100 |
| 6 | MP4A | Z | -2.501 | -2.501 | 0 | %100 |
| 7 | MP3A | X | -4.008 | -4.008 | 0 | %100 |
| 8 | MP3A | Z | -2.314 | -2.314 | 0 | %100 |
| 9 | MP1A | X | -4.008 | -4.008 | 0 | %100 |
| 10 | MP1A | Z | -2.314 | -2.314 | 0 | %100 |
| 11 | M19 | X | -1.371 | -1.371 | 0 | %100 |
| 12 | M19 | Z | -.792 | -.792 | 0 | %100 |
| 13 | M20 | X | -1.371 | -1.371 | 0 | %100 |
| 14 | M20 | Z | -.792 | -.792 | 0 | %100 |
| 15 | M25 | X | -3.038 | -3.038 | 0 | %100 |
| 16 | M25 | Z | -1.754 | -1.754 | 0 | %100 |
| 17 | M26 | X | -3.038 | -3.038 | 0 | %100 |
| 18 | M26 | Z | -1.754 | -1.754 | 0 | %100 |
| 19 | M29 | X | -3.038 | -3.038 | 0 | %100 |
| 20 | M29 | Z | -1.754 | -1.754 | 0 | %100 |
| 21 | M32 | X | -4.015 | -4.015 | 0 | %100 |
| 22 | M32 | Z | -2.318 | -2.318 | 0 | %100 |
| 23 | M51 | X | -4.015 | -4.015 | 0 | %100 |
| 24 | M51 | Z | -2.318 | -2.318 | 0 | %100 |
| 25 | M51A | X | -4.545 | -4.545 | 0 | %100 |
| 26 | M51A | Z | -2.624 | -2.624 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft,F,ksf] | End Magnitude[lb/ft,F,ksf] | Start Location... | End Location[i... |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 27 | M53A | X | -4.545 | -4.545 | 0 | %100 |
| 28 | M53A | Z | -2.624 | -2.624 | 0 | %100 |
| 29 | M34A | X | -4.899 | -4.899 | 0 | %100 |
| 30 | M34A | Z | -2.828 | -2.828 | 0 | %100 |
| 31 | M35 | X | -4.899 | -4.899 | 0 | %100 |
| 32 | M35 | Z | -2.828 | -2.828 | 0 | %100 |
| 33 | M38 | X | -4.332 | -4.332 | 0 | %100 |
| 34 | M38 | Z | -2.501 | -2.501 | 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... | End Location[i... |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 1 | M21 | X | -1.876 | -1.876 | 0 | %100 |
| 2 | M21 | Z | -3.249 | -3.249 | 0 | %100 |
| 3 | M24 | X | -1.736 | -1.736 | 0 | %100 |
| 4 | M24 | Z | -3.006 | -3.006 | 0 | %100 |
| 5 | MP4A | X | -2.501 | -2.501 | 0 | %100 |
| 6 | MP4A | Z | -4.332 | -4.332 | 0 | %100 |
| 7 | MP3A | X | -2.314 | -2.314 | 0 | %100 |
| 8 | MP3A | Z | -4.008 | -4.008 | 0 | %100 |
| 9 | MP1A | X | -2.314 | -2.314 | 0 | %100 |
| 10 | MP1A | Z | -4.008 | -4.008 | 0 | %100 |
| 11 | M19 | X | -2.375 | -2.375 | 0 | %100 |
| 12 | M19 | Z | -4.113 | -4.113 | 0 | %100 |
| 13 | M20 | X | -2.375 | -2.375 | 0 | %100 |
| 14 | M20 | Z | -4.113 | -4.113 | 0 | %100 |
| 15 | M25 | X | -1.754 | -1.754 | 0 | %100 |
| 16 | M25 | Z | -3.038 | -3.038 | 0 | %100 |
| 17 | M26 | X | -1.754 | -1.754 | 0 | %100 |
| 18 | M26 | Z | -3.038 | -3.038 | 0 | %100 |
| 19 | M29 | X | -1.754 | -1.754 | 0 | %100 |
| 20 | M29 | Z | -3.038 | -3.038 | 0 | %100 |
| 21 | M32 | X | -.773 | -.773 | 0 | %100 |
| 22 | M32 | Z | -1.338 | -1.338 | 0 | %100 |
| 23 | M51 | X | -.773 | -.773 | 0 | %100 |
| 24 | M51 | Z | -1.338 | -1.338 | 0 | %100 |
| 25 | M51A | X | -.875 | -.875 | 0 | %100 |
| 26 | M51A | Z | -1.515 | -1.515 | 0 | %100 |
| 27 | M53A | X | -.875 | -.875 | 0 | %100 |
| 28 | M53A | Z | -1.515 | -1.515 | 0 | %100 |
| 29 | M34A | X | -2.828 | -2.828 | 0 | %100 |
| 30 | M34A | Z | -4.899 | -4.899 | 0 | %100 |
| 31 | M35 | X | -2.828 | -2.828 | 0 | %100 |
| 32 | M35 | Z | -4.899 | -4.899 | 0 | %100 |
| 33 | M38 | X | -2.501 | -2.501 | 0 | %100 |
| 34 | M38 | Z | -4.332 | -4.332 | 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... | End Location[i... |
|---|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 1 | M21 | X | 0 | 0 | 0 | %100 |
| 2 | M21 | Z | -.862 | -.862 | 0 | %100 |
| 3 | M24 | X | 0 | 0 | 0 | %100 |
| 4 | M24 | Z | -.862 | -.862 | 0 | %100 |
| 5 | MP4A | X | 0 | 0 | 0 | %100 |
| 6 | MP4A | Z | -.862 | -.862 | 0 | %100 |
| 7 | MP3A | X | 0 | 0 | 0 | %100 |
| 8 | MP3A | Z | -.862 | -.862 | 0 | %100 |



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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... | End Location[...] |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 9 | MP1A | X | 0 | 0 | 0 | %100 |
| 10 | MP1A | Z | -0.862 | -0.862 | 0 | %100 |
| 11 | M19 | X | 0 | 0 | 0 | %100 |
| 12 | M19 | Z | -1.556 | -1.556 | 0 | %100 |
| 13 | M20 | X | 0 | 0 | 0 | %100 |
| 14 | M20 | Z | -1.556 | -1.556 | 0 | %100 |
| 15 | M25 | X | 0 | 0 | 0 | %100 |
| 16 | M25 | Z | -0.695 | -0.695 | 0 | %100 |
| 17 | M26 | X | 0 | 0 | 0 | %100 |
| 18 | M26 | Z | -0.695 | -0.695 | 0 | %100 |
| 19 | M29 | X | 0 | 0 | 0 | %100 |
| 20 | M29 | Z | -0.695 | -0.695 | 0 | %100 |
| 21 | M32 | X | 0 | 0 | 0 | %100 |
| 22 | M32 | Z | 0 | 0 | 0 | %100 |
| 23 | M51 | X | 0 | 0 | 0 | %100 |
| 24 | M51 | Z | 0 | 0 | 0 | %100 |
| 25 | M51A | X | 0 | 0 | 0 | %100 |
| 26 | M51A | Z | 0 | 0 | 0 | %100 |
| 27 | M53A | X | 0 | 0 | 0 | %100 |
| 28 | M53A | Z | 0 | 0 | 0 | %100 |
| 29 | M34A | X | 0 | 0 | 0 | %100 |
| 30 | M34A | Z | -1.313 | -1.313 | 0 | %100 |
| 31 | M35 | X | 0 | 0 | 0 | %100 |
| 32 | M35 | Z | -1.313 | -1.313 | 0 | %100 |
| 33 | M38 | X | 0 | 0 | 0 | %100 |
| 34 | M38 | Z | -0.862 | -0.862 | 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... | End Location[...] |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 1 | M21 | X | .323 | .323 | 0 | %100 |
| 2 | M21 | Z | -.56 | -.56 | 0 | %100 |
| 3 | M24 | X | .323 | .323 | 0 | %100 |
| 4 | M24 | Z | -.56 | -.56 | 0 | %100 |
| 5 | MP4A | X | .431 | .431 | 0 | %100 |
| 6 | MP4A | Z | -.747 | -.747 | 0 | %100 |
| 7 | MP3A | X | .431 | .431 | 0 | %100 |
| 8 | MP3A | Z | -.747 | -.747 | 0 | %100 |
| 9 | MP1A | X | .431 | .431 | 0 | %100 |
| 10 | MP1A | Z | -.747 | -.747 | 0 | %100 |
| 11 | M19 | X | .584 | .584 | 0 | %100 |
| 12 | M19 | Z | -1.011 | -1.011 | 0 | %100 |
| 13 | M20 | X | .584 | .584 | 0 | %100 |
| 14 | M20 | Z | -1.011 | -1.011 | 0 | %100 |
| 15 | M25 | X | .347 | .347 | 0 | %100 |
| 16 | M25 | Z | -.602 | -.602 | 0 | %100 |
| 17 | M26 | X | .347 | .347 | 0 | %100 |
| 18 | M26 | Z | -.602 | -.602 | 0 | %100 |
| 19 | M29 | X | .347 | .347 | 0 | %100 |
| 20 | M29 | Z | -.602 | -.602 | 0 | %100 |
| 21 | M32 | X | .19 | .19 | 0 | %100 |
| 22 | M32 | Z | -.329 | -.329 | 0 | %100 |
| 23 | M51 | X | .19 | .19 | 0 | %100 |
| 24 | M51 | Z | -.329 | -.329 | 0 | %100 |
| 25 | M51A | X | .224 | .224 | 0 | %100 |
| 26 | M51A | Z | -.389 | -.389 | 0 | %100 |
| 27 | M53A | X | .224 | .224 | 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... | End Location[i... |
|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 28 | M53A | Z | -.389 | 0 | %100 |
| 29 | M34A | X | .656 | 0 | %100 |
| 30 | M34A | Z | -1.137 | 0 | %100 |
| 31 | M35 | X | .656 | 0 | %100 |
| 32 | M35 | Z | -1.137 | 0 | %100 |
| 33 | M38 | X | .431 | 0 | %100 |
| 34 | M38 | Z | -.747 | 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... | End Location[i... |
|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 1 | M21 | X | .187 | 0 | %100 |
| 2 | M21 | Z | -.108 | 0 | %100 |
| 3 | M24 | X | .187 | 0 | %100 |
| 4 | M24 | Z | -.108 | 0 | %100 |
| 5 | MP4A | X | .747 | 0 | %100 |
| 6 | MP4A | Z | -.431 | 0 | %100 |
| 7 | MP3A | X | .747 | 0 | %100 |
| 8 | MP3A | Z | -.431 | 0 | %100 |
| 9 | MP1A | X | .747 | 0 | %100 |
| 10 | MP1A | Z | -.431 | 0 | %100 |
| 11 | M19 | X | .337 | 0 | %100 |
| 12 | M19 | Z | -.195 | 0 | %100 |
| 13 | M20 | X | .337 | 0 | %100 |
| 14 | M20 | Z | -.195 | 0 | %100 |
| 15 | M25 | X | .602 | 0 | %100 |
| 16 | M25 | Z | -.347 | 0 | %100 |
| 17 | M26 | X | .602 | 0 | %100 |
| 18 | M26 | Z | -.347 | 0 | %100 |
| 19 | M29 | X | .602 | 0 | %100 |
| 20 | M29 | Z | -.347 | 0 | %100 |
| 21 | M32 | X | .988 | 0 | %100 |
| 22 | M32 | Z | -.57 | 0 | %100 |
| 23 | M51 | X | .988 | 0 | %100 |
| 24 | M51 | Z | -.57 | 0 | %100 |
| 25 | M51A | X | 1.166 | 0 | %100 |
| 26 | M51A | Z | -.673 | 0 | %100 |
| 27 | M53A | X | 1.166 | 0 | %100 |
| 28 | M53A | Z | -.673 | 0 | %100 |
| 29 | M34A | X | 1.137 | 0 | %100 |
| 30 | M34A | Z | -.656 | 0 | %100 |
| 31 | M35 | X | 1.137 | 0 | %100 |
| 32 | M35 | Z | -.656 | 0 | %100 |
| 33 | M38 | X | .747 | 0 | %100 |
| 34 | M38 | Z | -.431 | 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... | End Location[i... |
|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 1 | M21 | X | 0 | 0 | %100 |
| 2 | M21 | Z | 0 | 0 | %100 |
| 3 | M24 | X | 0 | 0 | %100 |
| 4 | M24 | Z | 0 | 0 | %100 |
| 5 | MP4A | X | .862 | 0 | %100 |
| 6 | MP4A | Z | 0 | 0 | %100 |
| 7 | MP3A | X | .862 | 0 | %100 |
| 8 | MP3A | Z | 0 | 0 | %100 |
| 9 | MP1A | X | .862 | 0 | %100 |



Company : Maser Consulting
 Designer : MNC
 Job Number : Project No. 10038458
 Model Name : 468092-VZW_MT_LOT_SectorB_H

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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... | End Location[i... |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 10 | MP1A | Z | 0 | 0 | 0 | %100 |
| 11 | M19 | X | 0 | 0 | 0 | %100 |
| 12 | M19 | Z | 0 | 0 | 0 | %100 |
| 13 | M20 | X | 0 | 0 | 0 | %100 |
| 14 | M20 | Z | 0 | 0 | 0 | %100 |
| 15 | M25 | X | .695 | .695 | 0 | %100 |
| 16 | M25 | Z | 0 | 0 | 0 | %100 |
| 17 | M26 | X | .695 | .695 | 0 | %100 |
| 18 | M26 | Z | 0 | 0 | 0 | %100 |
| 19 | M29 | X | .695 | .695 | 0 | %100 |
| 20 | M29 | Z | 0 | 0 | 0 | %100 |
| 21 | M32 | X | 1.521 | 1.521 | 0 | %100 |
| 22 | M32 | Z | 0 | 0 | 0 | %100 |
| 23 | M51 | X | 1.521 | 1.521 | 0 | %100 |
| 24 | M51 | Z | 0 | 0 | 0 | %100 |
| 25 | M51A | X | 1.795 | 1.795 | 0 | %100 |
| 26 | M51A | Z | 0 | 0 | 0 | %100 |
| 27 | M53A | X | 1.795 | 1.795 | 0 | %100 |
| 28 | M53A | Z | 0 | 0 | 0 | %100 |
| 29 | M34A | X | 1.313 | 1.313 | 0 | %100 |
| 30 | M34A | Z | 0 | 0 | 0 | %100 |
| 31 | M35 | X | 1.313 | 1.313 | 0 | %100 |
| 32 | M35 | Z | 0 | 0 | 0 | %100 |
| 33 | M38 | X | .862 | .862 | 0 | %100 |
| 34 | M38 | Z | 0 | 0 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.F,ksf] | End Magnitude[lb/ft.F,ksf] | Start Location... | End Location[i... |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 1 | M21 | X | .187 | .187 | 0 | %100 |
| 2 | M21 | Z | .108 | .108 | 0 | %100 |
| 3 | M24 | X | .187 | .187 | 0 | %100 |
| 4 | M24 | Z | .108 | .108 | 0 | %100 |
| 5 | MP4A | X | .747 | .747 | 0 | %100 |
| 6 | MP4A | Z | .431 | .431 | 0 | %100 |
| 7 | MP3A | X | .747 | .747 | 0 | %100 |
| 8 | MP3A | Z | .431 | .431 | 0 | %100 |
| 9 | MP1A | X | .747 | .747 | 0 | %100 |
| 10 | MP1A | Z | .431 | .431 | 0 | %100 |
| 11 | M19 | X | .337 | .337 | 0 | %100 |
| 12 | M19 | Z | .195 | .195 | 0 | %100 |
| 13 | M20 | X | .337 | .337 | 0 | %100 |
| 14 | M20 | Z | .195 | .195 | 0 | %100 |
| 15 | M25 | X | .602 | .602 | 0 | %100 |
| 16 | M25 | Z | .347 | .347 | 0 | %100 |
| 17 | M26 | X | .602 | .602 | 0 | %100 |
| 18 | M26 | Z | .347 | .347 | 0 | %100 |
| 19 | M29 | X | .602 | .602 | 0 | %100 |
| 20 | M29 | Z | .347 | .347 | 0 | %100 |
| 21 | M32 | X | .988 | .988 | 0 | %100 |
| 22 | M32 | Z | .57 | .57 | 0 | %100 |
| 23 | M51 | X | .988 | .988 | 0 | %100 |
| 24 | M51 | Z | .57 | .57 | 0 | %100 |
| 25 | M51A | X | 1.166 | 1.166 | 0 | %100 |
| 26 | M51A | Z | .673 | .673 | 0 | %100 |
| 27 | M53A | X | 1.166 | 1.166 | 0 | %100 |
| 28 | M53A | Z | .673 | .673 | 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... | End Location[i...] |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|
| 29 | M34A | X | 1.137 | 1.137 | 0 | %100 |
| 30 | M34A | Z | .656 | .656 | 0 | %100 |
| 31 | M35 | X | 1.137 | 1.137 | 0 | %100 |
| 32 | M35 | Z | .656 | .656 | 0 | %100 |
| 33 | M38 | X | .747 | .747 | 0 | %100 |
| 34 | M38 | Z | .431 | .431 | 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... | End Location[i...] |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|
| 1 | M21 | X | .323 | .323 | 0 | %100 |
| 2 | M21 | Z | .56 | .56 | 0 | %100 |
| 3 | M24 | X | .323 | .323 | 0 | %100 |
| 4 | M24 | Z | .56 | .56 | 0 | %100 |
| 5 | MP4A | X | .431 | .431 | 0 | %100 |
| 6 | MP4A | Z | .747 | .747 | 0 | %100 |
| 7 | MP3A | X | .431 | .431 | 0 | %100 |
| 8 | MP3A | Z | .747 | .747 | 0 | %100 |
| 9 | MP1A | X | .431 | .431 | 0 | %100 |
| 10 | MP1A | Z | .747 | .747 | 0 | %100 |
| 11 | M19 | X | .584 | .584 | 0 | %100 |
| 12 | M19 | Z | 1.011 | 1.011 | 0 | %100 |
| 13 | M20 | X | .584 | .584 | 0 | %100 |
| 14 | M20 | Z | 1.011 | 1.011 | 0 | %100 |
| 15 | M25 | X | .347 | .347 | 0 | %100 |
| 16 | M25 | Z | .602 | .602 | 0 | %100 |
| 17 | M26 | X | .347 | .347 | 0 | %100 |
| 18 | M26 | Z | .602 | .602 | 0 | %100 |
| 19 | M29 | X | .347 | .347 | 0 | %100 |
| 20 | M29 | Z | .602 | .602 | 0 | %100 |
| 21 | M32 | X | .19 | .19 | 0 | %100 |
| 22 | M32 | Z | .329 | .329 | 0 | %100 |
| 23 | M51 | X | .19 | .19 | 0 | %100 |
| 24 | M51 | Z | .329 | .329 | 0 | %100 |
| 25 | M51A | X | .224 | .224 | 0 | %100 |
| 26 | M51A | Z | .389 | .389 | 0 | %100 |
| 27 | M53A | X | .224 | .224 | 0 | %100 |
| 28 | M53A | Z | .389 | .389 | 0 | %100 |
| 29 | M34A | X | .656 | .656 | 0 | %100 |
| 30 | M34A | Z | 1.137 | 1.137 | 0 | %100 |
| 31 | M35 | X | .656 | .656 | 0 | %100 |
| 32 | M35 | Z | 1.137 | 1.137 | 0 | %100 |
| 33 | M38 | X | .431 | .431 | 0 | %100 |
| 34 | M38 | Z | .747 | .747 | 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... | End Location[i...] |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|
| 1 | M21 | X | 0 | 0 | 0 | %100 |
| 2 | M21 | Z | .862 | .862 | 0 | %100 |
| 3 | M24 | X | 0 | 0 | 0 | %100 |
| 4 | M24 | Z | .862 | .862 | 0 | %100 |
| 5 | MP4A | X | 0 | 0 | 0 | %100 |
| 6 | MP4A | Z | .862 | .862 | 0 | %100 |
| 7 | MP3A | X | 0 | 0 | 0 | %100 |
| 8 | MP3A | Z | .862 | .862 | 0 | %100 |
| 9 | MP1A | X | 0 | 0 | 0 | %100 |
| 10 | MP1A | Z | .862 | .862 | 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... | End Location[... |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|------------------|
| 11 | M19 | X | 0 | 0 | 0 | %100 |
| 12 | M19 | Z | 1.556 | 1.556 | 0 | %100 |
| 13 | M20 | X | 0 | 0 | 0 | %100 |
| 14 | M20 | Z | 1.556 | 1.556 | 0 | %100 |
| 15 | M25 | X | 0 | 0 | 0 | %100 |
| 16 | M25 | Z | .695 | .695 | 0 | %100 |
| 17 | M26 | X | 0 | 0 | 0 | %100 |
| 18 | M26 | Z | .695 | .695 | 0 | %100 |
| 19 | M29 | X | 0 | 0 | 0 | %100 |
| 20 | M29 | Z | .695 | .695 | 0 | %100 |
| 21 | M32 | X | 0 | 0 | 0 | %100 |
| 22 | M32 | Z | 0 | 0 | 0 | %100 |
| 23 | M51 | X | 0 | 0 | 0 | %100 |
| 24 | M51 | Z | 0 | 0 | 0 | %100 |
| 25 | M51A | X | 0 | 0 | 0 | %100 |
| 26 | M51A | Z | 0 | 0 | 0 | %100 |
| 27 | M53A | X | 0 | 0 | 0 | %100 |
| 28 | M53A | Z | 0 | 0 | 0 | %100 |
| 29 | M34A | X | 0 | 0 | 0 | %100 |
| 30 | M34A | Z | 1.313 | 1.313 | 0 | %100 |
| 31 | M35 | X | 0 | 0 | 0 | %100 |
| 32 | M35 | Z | 1.313 | 1.313 | 0 | %100 |
| 33 | M38 | X | 0 | 0 | 0 | %100 |
| 34 | M38 | Z | .862 | .862 | 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... | End Location[... |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|------------------|
| 1 | M21 | X | -.323 | -.323 | 0 | %100 |
| 2 | M21 | Z | .56 | .56 | 0 | %100 |
| 3 | M24 | X | -.323 | -.323 | 0 | %100 |
| 4 | M24 | Z | .56 | .56 | 0 | %100 |
| 5 | MP4A | X | -.431 | -.431 | 0 | %100 |
| 6 | MP4A | Z | .747 | .747 | 0 | %100 |
| 7 | MP3A | X | -.431 | -.431 | 0 | %100 |
| 8 | MP3A | Z | .747 | .747 | 0 | %100 |
| 9 | MP1A | X | -.431 | -.431 | 0 | %100 |
| 10 | MP1A | Z | .747 | .747 | 0 | %100 |
| 11 | M19 | X | -.584 | -.584 | 0 | %100 |
| 12 | M19 | Z | 1.011 | 1.011 | 0 | %100 |
| 13 | M20 | X | -.584 | -.584 | 0 | %100 |
| 14 | M20 | Z | 1.011 | 1.011 | 0 | %100 |
| 15 | M25 | X | -.347 | -.347 | 0 | %100 |
| 16 | M25 | Z | .602 | .602 | 0 | %100 |
| 17 | M26 | X | -.347 | -.347 | 0 | %100 |
| 18 | M26 | Z | .602 | .602 | 0 | %100 |
| 19 | M29 | X | -.347 | -.347 | 0 | %100 |
| 20 | M29 | Z | .602 | .602 | 0 | %100 |
| 21 | M32 | X | -.19 | -.19 | 0 | %100 |
| 22 | M32 | Z | .329 | .329 | 0 | %100 |
| 23 | M51 | X | -.19 | -.19 | 0 | %100 |
| 24 | M51 | Z | .329 | .329 | 0 | %100 |
| 25 | M51A | X | -.224 | -.224 | 0 | %100 |
| 26 | M51A | Z | .389 | .389 | 0 | %100 |
| 27 | M53A | X | -.224 | -.224 | 0 | %100 |
| 28 | M53A | Z | .389 | .389 | 0 | %100 |
| 29 | M34A | X | -.656 | -.656 | 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... | End Location[i... |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 30 | M34A | Z | 1.137 | 1.137 | 0 | %100 |
| 31 | M35 | X | -.656 | -.656 | 0 | %100 |
| 32 | M35 | Z | 1.137 | 1.137 | 0 | %100 |
| 33 | M38 | X | -.431 | -.431 | 0 | %100 |
| 34 | M38 | Z | .747 | .747 | 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... | End Location[i... |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 1 | M21 | X | -.187 | -.187 | 0 | %100 |
| 2 | M21 | Z | .108 | .108 | 0 | %100 |
| 3 | M24 | X | -.187 | -.187 | 0 | %100 |
| 4 | M24 | Z | .108 | .108 | 0 | %100 |
| 5 | MP4A | X | -.747 | -.747 | 0 | %100 |
| 6 | MP4A | Z | .431 | .431 | 0 | %100 |
| 7 | MP3A | X | -.747 | -.747 | 0 | %100 |
| 8 | MP3A | Z | .431 | .431 | 0 | %100 |
| 9 | MP1A | X | -.747 | -.747 | 0 | %100 |
| 10 | MP1A | Z | .431 | .431 | 0 | %100 |
| 11 | M19 | X | -.337 | -.337 | 0 | %100 |
| 12 | M19 | Z | .195 | .195 | 0 | %100 |
| 13 | M20 | X | -.337 | -.337 | 0 | %100 |
| 14 | M20 | Z | .195 | .195 | 0 | %100 |
| 15 | M25 | X | -.602 | -.602 | 0 | %100 |
| 16 | M25 | Z | .347 | .347 | 0 | %100 |
| 17 | M26 | X | -.602 | -.602 | 0 | %100 |
| 18 | M26 | Z | .347 | .347 | 0 | %100 |
| 19 | M29 | X | -.602 | -.602 | 0 | %100 |
| 20 | M29 | Z | .347 | .347 | 0 | %100 |
| 21 | M32 | X | -.988 | -.988 | 0 | %100 |
| 22 | M32 | Z | .57 | .57 | 0 | %100 |
| 23 | M51 | X | -.988 | -.988 | 0 | %100 |
| 24 | M51 | Z | .57 | .57 | 0 | %100 |
| 25 | M51A | X | -1.166 | -1.166 | 0 | %100 |
| 26 | M51A | Z | .673 | .673 | 0 | %100 |
| 27 | M53A | X | -1.166 | -1.166 | 0 | %100 |
| 28 | M53A | Z | .673 | .673 | 0 | %100 |
| 29 | M34A | X | -1.137 | -1.137 | 0 | %100 |
| 30 | M34A | Z | .656 | .656 | 0 | %100 |
| 31 | M35 | X | -1.137 | -1.137 | 0 | %100 |
| 32 | M35 | Z | .656 | .656 | 0 | %100 |
| 33 | M38 | X | -.747 | -.747 | 0 | %100 |
| 34 | M38 | Z | .431 | .431 | 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... | End Location[i... |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 1 | M21 | X | 0 | 0 | 0 | %100 |
| 2 | M21 | Z | 0 | 0 | 0 | %100 |
| 3 | M24 | X | 0 | 0 | 0 | %100 |
| 4 | M24 | Z | 0 | 0 | 0 | %100 |
| 5 | MP4A | X | -.862 | -.862 | 0 | %100 |
| 6 | MP4A | Z | 0 | 0 | 0 | %100 |
| 7 | MP3A | X | -.862 | -.862 | 0 | %100 |
| 8 | MP3A | Z | 0 | 0 | 0 | %100 |
| 9 | MP1A | X | -.862 | -.862 | 0 | %100 |
| 10 | MP1A | Z | 0 | 0 | 0 | %100 |
| 11 | M19 | X | 0 | 0 | 0 | %100 |



Company : Maser Consulting
 Designer : MNC
 Job Number : Project No. 10038458
 Model Name : 468092-VZW_MT_LOT_SectorB_H

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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... | End Location[i... |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 12 | M19 | Z | 0 | 0 | 0 | %100 |
| 13 | M20 | X | 0 | 0 | 0 | %100 |
| 14 | M20 | Z | 0 | 0 | 0 | %100 |
| 15 | M25 | X | -.695 | -.695 | 0 | %100 |
| 16 | M25 | Z | 0 | 0 | 0 | %100 |
| 17 | M26 | X | -.695 | -.695 | 0 | %100 |
| 18 | M26 | Z | 0 | 0 | 0 | %100 |
| 19 | M29 | X | -.695 | -.695 | 0 | %100 |
| 20 | M29 | Z | 0 | 0 | 0 | %100 |
| 21 | M32 | X | -1.521 | -1.521 | 0 | %100 |
| 22 | M32 | Z | 0 | 0 | 0 | %100 |
| 23 | M51 | X | -1.521 | -1.521 | 0 | %100 |
| 24 | M51 | Z | 0 | 0 | 0 | %100 |
| 25 | M51A | X | -1.795 | -1.795 | 0 | %100 |
| 26 | M51A | Z | 0 | 0 | 0 | %100 |
| 27 | M53A | X | -1.795 | -1.795 | 0 | %100 |
| 28 | M53A | Z | 0 | 0 | 0 | %100 |
| 29 | M34A | X | -1.313 | -1.313 | 0 | %100 |
| 30 | M34A | Z | 0 | 0 | 0 | %100 |
| 31 | M35 | X | -1.313 | -1.313 | 0 | %100 |
| 32 | M35 | Z | 0 | 0 | 0 | %100 |
| 33 | M38 | X | -.862 | -.862 | 0 | %100 |
| 34 | M38 | 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... | End Location[i... |
|----|--------------|-----------|------------------------------|----------------------------|-------------------|-------------------|
| 1 | M21 | X | -.187 | -.187 | 0 | %100 |
| 2 | M21 | Z | -.108 | -.108 | 0 | %100 |
| 3 | M24 | X | -.187 | -.187 | 0 | %100 |
| 4 | M24 | Z | -.108 | -.108 | 0 | %100 |
| 5 | MP4A | X | -.747 | -.747 | 0 | %100 |
| 6 | MP4A | Z | -.431 | -.431 | 0 | %100 |
| 7 | MP3A | X | -.747 | -.747 | 0 | %100 |
| 8 | MP3A | Z | -.431 | -.431 | 0 | %100 |
| 9 | MP1A | X | -.747 | -.747 | 0 | %100 |
| 10 | MP1A | Z | -.431 | -.431 | 0 | %100 |
| 11 | M19 | X | -.337 | -.337 | 0 | %100 |
| 12 | M19 | Z | -.195 | -.195 | 0 | %100 |
| 13 | M20 | X | -.337 | -.337 | 0 | %100 |
| 14 | M20 | Z | -.195 | -.195 | 0 | %100 |
| 15 | M25 | X | -.602 | -.602 | 0 | %100 |
| 16 | M25 | Z | -.347 | -.347 | 0 | %100 |
| 17 | M26 | X | -.602 | -.602 | 0 | %100 |
| 18 | M26 | Z | -.347 | -.347 | 0 | %100 |
| 19 | M29 | X | -.602 | -.602 | 0 | %100 |
| 20 | M29 | Z | -.347 | -.347 | 0 | %100 |
| 21 | M32 | X | -.988 | -.988 | 0 | %100 |
| 22 | M32 | Z | -.57 | -.57 | 0 | %100 |
| 23 | M51 | X | -.988 | -.988 | 0 | %100 |
| 24 | M51 | Z | -.57 | -.57 | 0 | %100 |
| 25 | M51A | X | -1.166 | -1.166 | 0 | %100 |
| 26 | M51A | Z | -.673 | -.673 | 0 | %100 |
| 27 | M53A | X | -1.166 | -1.166 | 0 | %100 |
| 28 | M53A | Z | -.673 | -.673 | 0 | %100 |
| 29 | M34A | X | -1.137 | -1.137 | 0 | %100 |
| 30 | M34A | Z | -.656 | -.656 | 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... | End Location[i...] |
|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|
| 31 | M35 | X | -1.137 | -1.137 | 0 %100 |
| 32 | M35 | Z | -.656 | -.656 | 0 %100 |
| 33 | M38 | X | -.747 | -.747 | 0 %100 |
| 34 | M38 | Z | -.431 | -.431 | 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... | End Location[i...] |
|--------------|-----------|------------------------------|----------------------------|-------------------|--------------------|
| 1 | M21 | X | -.323 | -.323 | 0 %100 |
| 2 | M21 | Z | -.56 | -.56 | 0 %100 |
| 3 | M24 | X | -.323 | -.323 | 0 %100 |
| 4 | M24 | Z | -.56 | -.56 | 0 %100 |
| 5 | MP4A | X | -.431 | -.431 | 0 %100 |
| 6 | MP4A | Z | -.747 | -.747 | 0 %100 |
| 7 | MP3A | X | -.431 | -.431 | 0 %100 |
| 8 | MP3A | Z | -.747 | -.747 | 0 %100 |
| 9 | MP1A | X | -.431 | -.431 | 0 %100 |
| 10 | MP1A | Z | -.747 | -.747 | 0 %100 |
| 11 | M19 | X | -.584 | -.584 | 0 %100 |
| 12 | M19 | Z | -1.011 | -1.011 | 0 %100 |
| 13 | M20 | X | -.584 | -.584 | 0 %100 |
| 14 | M20 | Z | -1.011 | -1.011 | 0 %100 |
| 15 | M25 | X | -.347 | -.347 | 0 %100 |
| 16 | M25 | Z | -.602 | -.602 | 0 %100 |
| 17 | M26 | X | -.347 | -.347 | 0 %100 |
| 18 | M26 | Z | -.602 | -.602 | 0 %100 |
| 19 | M29 | X | -.347 | -.347 | 0 %100 |
| 20 | M29 | Z | -.602 | -.602 | 0 %100 |
| 21 | M32 | X | -.19 | -.19 | 0 %100 |
| 22 | M32 | Z | -.329 | -.329 | 0 %100 |
| 23 | M51 | X | -.19 | -.19 | 0 %100 |
| 24 | M51 | Z | -.329 | -.329 | 0 %100 |
| 25 | M51A | X | -.224 | -.224 | 0 %100 |
| 26 | M51A | Z | -.389 | -.389 | 0 %100 |
| 27 | M53A | X | -.224 | -.224 | 0 %100 |
| 28 | M53A | Z | -.389 | -.389 | 0 %100 |
| 29 | M34A | X | -.656 | -.656 | 0 %100 |
| 30 | M34A | Z | -1.137 | -1.137 | 0 %100 |
| 31 | M35 | X | -.656 | -.656 | 0 %100 |
| 32 | M35 | Z | -1.137 | -1.137 | 0 %100 |
| 33 | M38 | X | -.431 | -.431 | 0 %100 |
| 34 | M38 | Z | -.747 | -.747 | 0 %100 |

Member Area Loads

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

Envelope Joint Reactions

| Joint | X [lb] | LC | Y [lb] | LC | Z [lb] | LC | MX [k-ft] | LCMY [..] | LCMZ [k-ft] | LC | |
|-------|--------|---------------|--------|-----------|--------|---------|-----------|-----------|-------------|----|----|
| 1 | N83 | m... 1282.128 | 4 | 462.19 | 10 | 13.743 | 11 | 0 | 51 | 0 | 51 |
| 2 | | min -1077.914 | 10 | -1295.314 | 4 | -13.743 | 5 | 0 | 1 | 0 | 1 |
| 3 | N97 | m... 526.98 | 4 | -54.449 | 4 | 13.743 | 11 | 0 | 51 | 0 | 51 |
| 4 | | min -336.376 | 9 | -875.657 | 22 | -13.743 | 5 | 0 | 1 | 0 | 1 |
| 5 | N100A | m... 23.299 | 3 | 160.715 | 4 | 45.179 | 11 | 0 | 51 | 0 | 51 |



Envelope Joint Reactions (Continued)

| Joint | X [lb] | LC | Y [lb] | LC | Z [lb] | LC | MX [k-ft] | LCMY [k-ft] | LCMZ [k-ft] | LC |
|-------|-----------------------|----|----------|----|-----------|----|-----------|-------------|-------------|----|
| 6 | min -285.188 | 21 | -417.703 | 9 | -45.179 | 5 | 0 | 1 | 0 | 1 |
| 7 | N104 m... 118.405 | 2 | 14.898 | 9 | 45.179 | 11 | 0 | 51 | 0 | 51 |
| 8 | min -21.795 | 8 | -195.313 | 16 | -45.179 | 5 | 0 | 1 | 0 | 1 |
| 9 | N77 m... 2451.633 | 10 | 2982.559 | 3 | 2529.247 | 1 | 0 | 51 | 0 | 51 |
| 10 | min -2880.458 | 4 | -993.473 | 9 | -2453.255 | 7 | 0 | 1 | 0 | 1 |
| 11 | N79 m... 866.988 | 10 | 2075.923 | 22 | 2608.179 | 2 | 0 | 51 | 0 | 51 |
| 12 | min -1287.914 | 4 | 416.657 | 4 | -2511.629 | 8 | 0 | 1 | 0 | 1 |
| 13 | N81 m... 1623.923 | 10 | 2239.131 | 9 | 915.903 | 8 | 0 | 51 | 0 | 51 |
| 14 | min -630.126 | 4 | -805.749 | 3 | -1001.652 | 2 | 0 | 1 | 0 | 1 |
| 15 | N83A m... 484.11 | 10 | 1161.594 | 17 | 646.874 | 8 | 0 | 51 | 0 | 51 |
| 16 | min -886.787 | 4 | 92.463 | 11 | -721.932 | 2 | 0 | 1 | 0 | 1 |
| 17 | N71 m... LOCKED | | NC | | LOCKED | | LOCKED | NC | LOCK... | |
| 18 | min LOCKED | | NC | | LOCKED | | LOCKED | NC | LOCK... | |
| 19 | N72 m... LOCKED | | LOCKED | | LOCKED | | NC | LOC... | NC | |
| 20 | min LOCKED | | LOCKED | | LOCKED | | NC | LOC... | NC | |
| 21 | N66 m... NC | | NC | | NC | | LOCKED | NC | LOCK... | |
| 22 | min NC | | NC | | NC | | LOCKED | NC | LOCK... | |
| 23 | Totals: m... 3836.891 | 10 | 4403.034 | 16 | 3535.165 | 1 | | | | |
| 24 | min -3836.878 | 4 | 2168.285 | 10 | -3535.166 | 7 | | | | |

Joint Reactions (By Combination)

| LC | Joint Label | X [lb] | Y [lb] | Z [lb] | MX [k-ft] | MY [k-ft] | MZ [k-ft] |
|----|-------------|-----------|------------|------------|-----------|-----------|-----------|
| 1 | 1 | N83 | 86.418 | -419.692 | 0 | 0 | 0 |
| 2 | 1 | N97 | 79.842 | -404.714 | 0 | 0 | 0 |
| 3 | 1 | N100A | -117.189 | -117.872 | 0 | 0 | 0 |
| 4 | 1 | N104 | 60.401 | -86.636 | 0 | 0 | 0 |
| 5 | 1 | N77 | -176.885 | 1271.757 | 2529.247 | 0 | 0 |
| 6 | 1 | N79 | -162.916 | 1230.979 | 2565.873 | 0 | 0 |
| 7 | 1 | N81 | 478.317 | 414.853 | -927.913 | 0 | 0 |
| 8 | 1 | N83A | -247.985 | 279.614 | -632.042 | 0 | 0 |
| 9 | 1 | N71 | LOCKED | NC | LOCKED | LOCKED | NC |
| 10 | 1 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 11 | 1 | N66 | NC | NC | NC | LOCKED | NC |
| 12 | 1 | Totals: | .004 | 2168.289 | 3535.165 | | |
| 13 | 1 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 14 | 2 | N83 | 772.581 | -887.291 | 7.935 | 0 | 0 |
| 15 | 2 | N97 | 387.002 | -256.592 | 7.935 | 0 | 0 |
| 16 | 2 | N100A | 4.413 | 49.702 | 26.084 | 0 | 0 |
| 17 | 2 | N104 | 118.405 | -142.632 | 26.084 | 0 | 0 |
| 18 | 2 | N77 | -1673.107 | 2264.665 | 2408.836 | 0 | 0 |
| 19 | 2 | N79 | -860.271 | 1030.576 | 2608.179 | 0 | 0 |
| 20 | 2 | N81 | -111.623 | -392.871 | -1001.652 | 0 | 0 |
| 21 | 2 | N83A | -578.223 | 502.734 | -721.932 | 0 | 0 |
| 22 | 2 | N71 | LOCKED | NC | LOCKED | LOCKED | NC |
| 23 | 2 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 24 | 2 | N66 | NC | NC | NC | LOCKED | NC |
| 25 | 2 | Totals: | -1940.822 | 2168.292 | 3361.47 | | |
| 26 | 2 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 27 | 3 | N83 | 1254.496 | -1270.838 | 13.743 | 0 | 0 |
| 28 | 3 | N97 | 526.458 | -74.091 | 13.743 | 0 | 0 |
| 29 | 3 | N100A | 23.299 | 159.503 | 45.179 | 0 | 0 |
| 30 | 3 | N104 | 93.179 | -182.268 | 45.179 | 0 | 0 |
| 31 | 3 | N77 | -2778.358 | 2982.559 | 1358.304 | 0 | 0 |
| 32 | 3 | N79 | -1243.869 | 606.002 | 1602.126 | 0 | 0 |
| 33 | 3 | N81 | -540.792 | -805.749 | -595.47 | 0 | 0 |



Company : Maser Consulting
 Designer : MNC
 Job Number : Project No. 10038458
 Model Name : 468092-VZW_MT_LOT_SectorB_H

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Joint Reactions (By Combination) (Continued)

| LC | Joint Label | X [lb] | Y [lb] | Z [lb] | MX [k-ft] | MY [k-ft] | MZ [k-ft] |
|----|-------------|-----------|------------|------------|-----------|-----------|-----------|
| 34 | 3 | N83A | -826.604 | 753.175 | -466.664 | 0 | 0 |
| 35 | 3 | N71 | LOCKED | NC | LOCKED | LOCKED | LOCKED |
| 36 | 3 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 37 | 3 | N66 | NC | NC | NC | LOCKED | NC |
| 38 | 3 | Totals: | -3492.19 | 2168.293 | 2016.142 | | |
| 39 | 3 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 40 | 4 | N83 | 1282.128 | -1295.314 | 0 | 0 | 0 |
| 41 | 4 | N97 | 526.98 | -54.449 | 0 | 0 | 0 |
| 42 | 4 | N100A | -11.749 | 160.715 | 0 | 0 | 0 |
| 43 | 4 | N104 | 51.05 | -182.265 | 0 | 0 | 0 |
| 44 | 4 | N77 | -2880.458 | 2864.062 | -35.365 | 0 | 0 |
| 45 | 4 | N79 | -1287.914 | 416.657 | 118.326 | 0 | 0 |
| 46 | 4 | N81 | -630.126 | -657.783 | -23.02 | 0 | 0 |
| 47 | 4 | N83A | -886.787 | 916.67 | -59.941 | 0 | 0 |
| 48 | 4 | N71 | LOCKED | NC | LOCKED | LOCKED | NC |
| 49 | 4 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 50 | 4 | N66 | NC | NC | NC | LOCKED | NC |
| 51 | 4 | Totals: | -3836.878 | 2168.294 | -.001 | | |
| 52 | 4 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 53 | 5 | N83 | 1022.426 | -1044.294 | -13.743 | 0 | 0 |
| 54 | 5 | N97 | 505.785 | -203.548 | -13.743 | 0 | 0 |
| 55 | 5 | N100A | -6.25 | 97.311 | -45.179 | 0 | 0 |
| 56 | 5 | N104 | 73.311 | -156.534 | -45.179 | 0 | 0 |
| 57 | 5 | N77 | -2270.371 | 2190.312 | -1111.583 | 0 | 0 |
| 58 | 5 | N79 | -1180.429 | 590.489 | -1026.656 | 0 | 0 |
| 59 | 5 | N81 | -421.06 | -255.687 | 319.839 | 0 | 0 |
| 60 | 5 | N83A | -746.297 | 950.243 | 191.033 | 0 | 0 |
| 61 | 5 | N71 | LOCKED | NC | LOCKED | LOCKED | NC |
| 62 | 5 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 63 | 5 | N66 | NC | NC | NC | LOCKED | NC |
| 64 | 5 | Totals: | -3022.885 | 2168.293 | -1745.212 | | |
| 65 | 5 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 66 | 6 | N83 | 664.768 | -757.101 | -7.935 | 0 | 0 |
| 67 | 6 | N97 | 401.813 | -334.041 | -7.935 | 0 | 0 |
| 68 | 6 | N100A | -15.92 | 7.122 | -26.084 | 0 | 0 |
| 69 | 6 | N104 | 94.499 | -124.828 | -26.084 | 0 | 0 |
| 70 | 6 | N77 | -1429.302 | 1506.709 | -1889.055 | 0 | 0 |
| 71 | 6 | N79 | -874.468 | 739.474 | -1826.626 | 0 | 0 |
| 72 | 6 | N81 | -29.806 | 236.409 | 547.328 | 0 | 0 |
| 73 | 6 | N83A | -481.453 | 894.546 | 344.189 | 0 | 0 |
| 74 | 6 | N71 | LOCKED | NC | LOCKED | LOCKED | NC |
| 75 | 6 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 76 | 6 | N66 | NC | NC | NC | LOCKED | NC |
| 77 | 6 | Totals: | -1669.871 | 2168.291 | -2892.202 | | |
| 78 | 6 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 79 | 7 | N83 | 118.223 | -414.329 | 0 | 0 | 0 |
| 80 | 7 | N97 | 119.888 | -414.607 | 0 | 0 | 0 |
| 81 | 7 | N100A | -126.454 | -133.961 | 0 | 0 | 0 |
| 82 | 7 | N104 | 37.886 | -81.437 | 0 | 0 | 0 |
| 83 | 7 | N77 | -255.268 | 736.219 | -2453.255 | 0 | 0 |
| 84 | 7 | N79 | -258.79 | 736.65 | -2480.242 | 0 | 0 |
| 85 | 7 | N81 | 518.751 | 978.099 | 841.535 | 0 | 0 |
| 86 | 7 | N83A | -154.227 | 761.655 | 556.795 | 0 | 0 |
| 87 | 7 | N71 | LOCKED | NC | LOCKED | LOCKED | NC |
| 88 | 7 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 89 | 7 | N66 | NC | NC | NC | LOCKED | NC |
| 90 | 7 | Totals: | .009 | 2168.289 | -3535.166 | | |



Joint Reactions (By Combination) (Continued)

| LC | Joint Label | X [lb] | Y [lb] | Z [lb] | MX [k-ft] | MY [k-ft] | MZ [k-ft] |
|-----|-------------|-----------|------------|------------|-----------|-----------|-----------|
| 91 | 7 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 92 | 8 | N83 | -590.098 | 64.758 | -7.935 | 0 | 0 |
| 93 | 8 | N97 | -197.118 | -570.717 | -7.935 | 0 | 0 |
| 94 | 8 | N100A | -253.499 | -308.509 | -26.084 | 0 | 0 |
| 95 | 8 | N104 | -21.795 | -24.945 | -26.084 | 0 | 0 |
| 96 | 8 | N77 | 1256.832 | -278.072 | -2344.582 | 0 | 0 |
| 97 | 8 | N79 | 426.123 | 922.454 | -2511.629 | 0 | 0 |
| 98 | 8 | N81 | 1134.717 | 1826.756 | 915.903 | 0 | 0 |
| 99 | 8 | N83A | 185.674 | 536.563 | 646.874 | 0 | 0 |
| 100 | 8 | N71 | LOCKED | NC | LOCKED | LOCKED | NC |
| 101 | 8 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 102 | 8 | N66 | NC | NC | NC | LOCKED | NC |
| 103 | 8 | Totals: | 1940.836 | 2168.287 | -3361.472 | | |
| 104 | 8 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 105 | 9 | N83 | -1071.422 | 448.6 | -13.743 | 0 | 0 |
| 106 | 9 | N97 | -336.376 | -752.236 | -13.743 | 0 | 0 |
| 107 | 9 | N100A | -271.851 | -417.703 | -45.179 | 0 | 0 |
| 108 | 9 | N104 | 3.419 | 14.898 | -45.179 | 0 | 0 |
| 109 | 9 | N77 | 2364.826 | -993.473 | -1292.624 | 0 | 0 |
| 110 | 9 | N79 | 811.157 | 1344.168 | -1504.298 | 0 | 0 |
| 111 | 9 | N81 | 1559.477 | 2239.131 | 507.354 | 0 | 0 |
| 112 | 9 | N83A | 432.975 | 284.9 | 391.27 | 0 | 0 |
| 113 | 9 | N71 | LOCKED | NC | LOCKED | LOCKED | NC |
| 114 | 9 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 115 | 9 | N66 | NC | NC | NC | LOCKED | NC |
| 116 | 9 | Totals: | 3492.204 | 2168.285 | -2016.144 | | |
| 117 | 9 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 118 | 10 | N83 | -1077.914 | 462.19 | 0 | 0 | 0 |
| 119 | 10 | N97 | -327.698 | -764.156 | 0 | 0 | 0 |
| 120 | 10 | N100A | -231.422 | -412.121 | 0 | 0 | 0 |
| 121 | 10 | N104 | 47.271 | 14.356 | 0 | 0 | 0 |
| 122 | 10 | N77 | 2451.633 | -856.905 | 111.693 | 0 | 0 |
| 123 | 10 | N79 | 866.988 | 1550.545 | -28.819 | 0 | 0 |
| 124 | 10 | N81 | 1623.923 | 2049.165 | -66.4 | 0 | 0 |
| 125 | 10 | N83A | 484.11 | 125.211 | -16.475 | 0 | 0 |
| 126 | 10 | N71 | LOCKED | NC | LOCKED | LOCKED | NC |
| 127 | 10 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 128 | 10 | N66 | NC | NC | NC | LOCKED | NC |
| 129 | 10 | Totals: | 3836.891 | 2168.285 | 0 | | |
| 130 | 10 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 131 | 11 | N83 | -805.335 | 204.511 | 13.743 | 0 | 0 |
| 132 | 11 | N97 | -300.597 | -610.614 | 13.743 | 0 | 0 |
| 133 | 11 | N100A | -233.826 | -344.74 | 45.179 | 0 | 0 |
| 134 | 11 | N104 | 25.984 | -11.665 | 45.179 | 0 | 0 |
| 135 | 11 | N77 | 1831.802 | -170.971 | 1194.331 | 0 | 0 |
| 136 | 11 | N79 | 766.034 | 1385.303 | 1109.677 | 0 | 0 |
| 137 | 11 | N81 | 1400.549 | 1623.998 | -409.118 | 0 | 0 |
| 138 | 11 | N83A | 338.288 | 92.463 | -267.525 | 0 | 0 |
| 139 | 11 | N71 | LOCKED | NC | LOCKED | LOCKED | NC |
| 140 | 11 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 141 | 11 | N66 | NC | NC | NC | LOCKED | NC |
| 142 | 11 | Totals: | 3022.898 | 2168.286 | 1745.211 | | |
| 143 | 11 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 144 | 12 | N83 | -446.886 | -83.023 | 7.935 | 0 | 0 |
| 145 | 12 | N97 | -195.891 | -480.183 | 7.935 | 0 | 0 |
| 146 | 12 | N100A | -224.08 | -254.429 | 26.084 | 0 | 0 |
| 147 | 12 | N104 | 4.807 | -43.34 | 26.084 | 0 | 0 |



Company : Maser Consulting
 Designer : MNC
 Job Number : Project No. 10038458
 Model Name : 468092-VZW_MT_LOT_SectorB_H

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Joint Reactions (By Combination) (Continued)

| LC | Joint Label | X [lb] | Y [lb] | Z [lb] | MX [k-ft] | MY [k-ft] | MZ [k-ft] | |
|-----|-------------|-----------|------------|------------|-----------|-----------|-----------|--------|
| 148 | 12 | N77 | 990.054 | 514.78 | 1972.613 | 0 | 0 | 0 |
| 149 | 12 | N79 | 460.03 | 1234.994 | 1907.243 | 0 | 0 | 0 |
| 150 | 12 | N81 | 1008.765 | 1132.608 | -635.876 | 0 | 0 | 0 |
| 151 | 12 | N83A | 73.084 | 146.879 | -419.817 | 0 | 0 | 0 |
| 152 | 12 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 153 | 12 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 154 | 12 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 155 | 12 | Totals: | 1669.883 | 2168.288 | 2892.201 | | | |
| 156 | 12 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | | |
| 157 | 13 | N83 | 212.658 | -850.94 | 0 | 0 | 0 | 0 |
| 158 | 13 | N97 | 187.485 | -801.63 | 0 | 0 | 0 | 0 |
| 159 | 13 | N100A | -243.22 | -248.625 | 0 | 0 | 0 | 0 |
| 160 | 13 | N104 | 101.124 | -172.453 | 0 | 0 | 0 | 0 |
| 161 | 13 | N77 | -445.391 | 2143.802 | 696.956 | 0 | 0 | 0 |
| 162 | 13 | N79 | -392.114 | 2027.722 | 726.646 | 0 | 0 | 0 |
| 163 | 13 | N81 | 994.123 | 1314.028 | -290.433 | 0 | 0 | 0 |
| 164 | 13 | N83A | -414.652 | 991.13 | -207.182 | 0 | 0 | 0 |
| 165 | 13 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 166 | 13 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 167 | 13 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 168 | 13 | Totals: | .012 | 4403.033 | 925.987 | | | |
| 169 | 13 | COG (in): | X: -81.857 | Y: 120.497 | Z: 30.856 | | | |
| 170 | 14 | N83 | 378.006 | -956.342 | 1.857 | 0 | 0 | 0 |
| 171 | 14 | N97 | 271.299 | -775.749 | 1.857 | 0 | 0 | 0 |
| 172 | 14 | N100A | -210.573 | -207.449 | 5.855 | 0 | 0 | 0 |
| 173 | 14 | N104 | 117.644 | -185.644 | 5.855 | 0 | 0 | 0 |
| 174 | 14 | N77 | -803.375 | 2361.585 | 649.934 | 0 | 0 | 0 |
| 175 | 14 | N79 | -578.007 | 2000.023 | 710.656 | 0 | 0 | 0 |
| 176 | 14 | N81 | 839.206 | 1117.651 | -302.483 | 0 | 0 | 0 |
| 177 | 14 | N83A | -503.656 | 1048.958 | -225.779 | 0 | 0 | 0 |
| 178 | 14 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 179 | 14 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 180 | 14 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 181 | 14 | Totals: | -489.457 | 4403.033 | 847.754 | | | |
| 182 | 14 | COG (in): | X: -81.857 | Y: 120.497 | Z: 30.856 | | | |
| 183 | 15 | N83 | 487.966 | -1041.629 | 3.217 | 0 | 0 | 0 |
| 184 | 15 | N97 | 306.88 | -738.564 | 3.217 | 0 | 0 | 0 |
| 185 | 15 | N100A | -205.074 | -182.367 | 10.142 | 0 | 0 | 0 |
| 186 | 15 | N104 | 113.067 | -194.77 | 10.142 | 0 | 0 | 0 |
| 187 | 15 | N77 | -1057.127 | 2516.708 | 399.707 | 0 | 0 | 0 |
| 188 | 15 | N79 | -674.836 | 1910.88 | 466.657 | 0 | 0 | 0 |
| 189 | 15 | N81 | 737.766 | 1023.903 | -220.42 | 0 | 0 | 0 |
| 190 | 15 | N83A | -563.949 | 1108.872 | -178.864 | 0 | 0 | 0 |
| 191 | 15 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 192 | 15 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 193 | 15 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 194 | 15 | Totals: | -855.308 | 4403.034 | 493.797 | | | |
| 195 | 15 | COG (in): | X: -81.857 | Y: 120.497 | Z: 30.856 | | | |
| 196 | 16 | N83 | 498.04 | -1051.593 | 0 | 0 | 0 | 0 |
| 197 | 16 | N97 | 307.028 | -732.561 | 0 | 0 | 0 | 0 |
| 198 | 16 | N100A | -213.135 | -181.766 | 0 | 0 | 0 | 0 |
| 199 | 16 | N104 | 103.543 | -195.313 | 0 | 0 | 0 | 0 |
| 200 | 16 | N77 | -1091.967 | 2496.812 | 75.999 | 0 | 0 | 0 |
| 201 | 16 | N79 | -688.758 | 1861.866 | 121.33 | 0 | 0 | 0 |
| 202 | 16 | N81 | 718.828 | 1056.116 | -100.577 | 0 | 0 | 0 |
| 203 | 16 | N83A | -576.989 | 1149.473 | -96.755 | 0 | 0 | 0 |
| 204 | 16 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |



Joint Reactions (By Combination) (Continued)

| LC | Joint Label | X [lb] | Y [lb] | Z [lb] | MX [k-ft] | MY [k-ft] | MZ [k-ft] | |
|-----|-------------|-----------|------------|------------|-----------|-----------|-----------|--------|
| 205 | 16 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 206 | 16 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 207 | 16 | Totals: | -943.409 | 4403.034 | -0.003 | | | |
| 208 | 16 | COG (in): | X: -81.857 | Y: 120.497 | Z: 30.856 | | | |
| 209 | 17 | N83 | 445.039 | -999.998 | -3.217 | 0 | 0 | 0 |
| 210 | 17 | N97 | 303.654 | -764.522 | -3.217 | 0 | 0 | 0 |
| 211 | 17 | N100A | -211.718 | -195.322 | -10.142 | 0 | 0 | 0 |
| 212 | 17 | N104 | 108.573 | -190.045 | -10.142 | 0 | 0 | 0 |
| 213 | 17 | N77 | -967.655 | 2352.063 | -189.802 | 0 | 0 | 0 |
| 214 | 17 | N79 | -669.192 | 1894.658 | -162.434 | 0 | 0 | 0 |
| 215 | 17 | N81 | 765.386 | 1144.606 | -23.56 | 0 | 0 | 0 |
| 216 | 17 | N83A | -545.275 | 1161.594 | -42.73 | 0 | 0 | 0 |
| 217 | 17 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 218 | 17 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 219 | 17 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 220 | 17 | Totals: | -771.188 | 4403.033 | -445.243 | | | |
| 221 | 17 | COG (in): | X: -81.857 | Y: 120.497 | Z: 30.856 | | | |
| 222 | 18 | N83 | 358.01 | -932.971 | -1.857 | 0 | 0 | 0 |
| 223 | 18 | N97 | 275.221 | -793.445 | -1.857 | 0 | 0 | 0 |
| 224 | 18 | N100A | -216.327 | -217.81 | -5.855 | 0 | 0 | 0 |
| 225 | 18 | N104 | 111.874 | -182.46 | -5.855 | 0 | 0 | 0 |
| 226 | 18 | N77 | -764.196 | 2191.728 | -389.271 | 0 | 0 | 0 |
| 227 | 18 | N79 | -589.385 | 1922.905 | -369.798 | 0 | 0 | 0 |
| 228 | 18 | N81 | 863.497 | 1267.633 | 24.405 | 0 | 0 | 0 |
| 229 | 18 | N83A | -479.582 | 1147.453 | -13.553 | 0 | 0 | 0 |
| 230 | 18 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 231 | 18 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 232 | 18 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 233 | 18 | Totals: | -440.889 | 4403.033 | -763.642 | | | |
| 234 | 18 | COG (in): | X: -81.857 | Y: 120.497 | Z: 30.856 | | | |
| 235 | 19 | N83 | 220.098 | -851.713 | 0 | 0 | 0 | 0 |
| 236 | 19 | N97 | 197.082 | -806.635 | 0 | 0 | 0 | 0 |
| 237 | 19 | N100A | -246.777 | -253.907 | 0 | 0 | 0 | 0 |
| 238 | 19 | N104 | 95.56 | -171.661 | 0 | 0 | 0 | 0 |
| 239 | 19 | N77 | -466.554 | 2013.287 | -513.98 | 0 | 0 | 0 |
| 240 | 19 | N79 | -417.937 | 1910.066 | -515.261 | 0 | 0 | 0 |
| 241 | 19 | N81 | 1009.768 | 1454.522 | 79.021 | 0 | 0 | 0 |
| 242 | 19 | N83A | -391.226 | 1109.073 | 24.227 | 0 | 0 | 0 |
| 243 | 19 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 244 | 19 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 245 | 19 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 246 | 19 | Totals: | .014 | 4403.033 | -925.992 | | | |
| 247 | 19 | COG (in): | X: -81.857 | Y: 120.497 | Z: 30.856 | | | |
| 248 | 20 | N83 | 53.485 | -745.668 | -1.857 | 0 | 0 | 0 |
| 249 | 20 | N97 | 112.695 | -832.976 | -1.857 | 0 | 0 | 0 |
| 250 | 20 | N100A | -279.737 | -295.484 | -5.855 | 0 | 0 | 0 |
| 251 | 20 | N104 | 78.947 | -158.447 | -5.855 | 0 | 0 | 0 |
| 252 | 20 | N77 | -107.691 | 1794.203 | -467.594 | 0 | 0 | 0 |
| 253 | 20 | N79 | -232.768 | 1937.094 | -498.642 | 0 | 0 | 0 |
| 254 | 20 | N81 | 1166.216 | 1653.112 | 91.116 | 0 | 0 | 0 |
| 255 | 20 | N83A | -301.664 | 1051.198 | 42.787 | 0 | 0 | 0 |
| 256 | 20 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 257 | 20 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 258 | 20 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 259 | 20 | Totals: | 489.483 | 4403.032 | -847.759 | | | |
| 260 | 20 | COG (in): | X: -81.857 | Y: 120.497 | Z: 30.856 | | | |
| 261 | 21 | N83 | -56.403 | -660.362 | -3.217 | 0 | 0 | 0 |



Joint Reactions (By Combination) (Continued)

| LC | Joint Label | X [lb] | Y [lb] | Z [lb] | MX [k-ft] | MY [k-ft] | MZ [k-ft] | |
|-----|-------------|-----------|------------|------------|-----------|-----------|-----------|--------|
| 262 | 21 | N97 | 77.16 | -870.1 | -3.217 | 0 | 0 | 0 |
| 263 | 21 | N100A | -285.188 | -320.514 | -10.142 | 0 | 0 | 0 |
| 264 | 21 | N104 | 83.529 | -149.306 | -10.142 | 0 | 0 | 0 |
| 265 | 21 | N77 | 146.192 | 1639.238 | -217.264 | 0 | 0 | 0 |
| 266 | 21 | N79 | -135.857 | 2026.127 | -254.602 | 0 | 0 | 0 |
| 267 | 21 | N81 | 1267.341 | 1746.744 | 8.915 | 0 | 0 | 0 |
| 268 | 21 | N83A | -241.44 | 991.205 | -4.134 | 0 | 0 | 0 |
| 269 | 21 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 270 | 21 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 271 | 21 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 272 | 21 | Totals: | 855.334 | 4403.032 | -493.802 | | | |
| 273 | 21 | COG (in): | X: -81.857 | Y: 120.497 | Z: 30.856 | | | |
| 274 | 22 | N83 | -65.307 | -650.993 | 0 | 0 | 0 | 0 |
| 275 | 22 | N97 | 77.52 | -875.657 | 0 | 0 | 0 | 0 |
| 276 | 22 | N100A | -276.829 | -320.735 | 0 | 0 | 0 | 0 |
| 277 | 22 | N104 | 93.143 | -148.787 | 0 | 0 | 0 | 0 |
| 278 | 22 | N77 | 180.208 | 1660.226 | 106.993 | 0 | 0 | 0 |
| 279 | 22 | N79 | -121.241 | 2075.923 | 90.272 | 0 | 0 | 0 |
| 280 | 22 | N81 | 1284.85 | 1712.312 | -111.005 | 0 | 0 | 0 |
| 281 | 22 | N83A | -228.909 | 950.744 | -86.263 | 0 | 0 | 0 |
| 282 | 22 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 283 | 22 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 284 | 22 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 285 | 22 | Totals: | 943.436 | 4403.032 | -.002 | | | |
| 286 | 22 | COG (in): | X: -81.857 | Y: 120.497 | Z: 30.856 | | | |
| 287 | 23 | N83 | -11.496 | -703.003 | 3.217 | 0 | 0 | 0 |
| 288 | 23 | N97 | 81.265 | -843.412 | 3.217 | 0 | 0 | 0 |
| 289 | 23 | N100A | -278.05 | -306.928 | 10.142 | 0 | 0 | 0 |
| 290 | 23 | N104 | 88.173 | -154.072 | 10.142 | 0 | 0 | 0 |
| 291 | 23 | N77 | 55.303 | 1805.784 | 373.165 | 0 | 0 | 0 |
| 292 | 23 | N79 | -140.38 | 2043.577 | 373.644 | 0 | 0 | 0 |
| 293 | 23 | N81 | 1237.364 | 1622.433 | -188.021 | 0 | 0 | 0 |
| 294 | 23 | N83A | -260.965 | 938.652 | -140.268 | 0 | 0 | 0 |
| 295 | 23 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 296 | 23 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 297 | 23 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 298 | 23 | Totals: | 771.214 | 4403.032 | 445.238 | | | |
| 299 | 23 | COG (in): | X: -81.857 | Y: 120.497 | Z: 30.856 | | | |
| 300 | 24 | N83 | 75.61 | -770.06 | 1.857 | 0 | 0 | 0 |
| 301 | 24 | N97 | 109.768 | -814.495 | 1.857 | 0 | 0 | 0 |
| 302 | 24 | N100A | -273.426 | -284.423 | 5.855 | 0 | 0 | 0 |
| 303 | 24 | N104 | 84.877 | -161.656 | 5.855 | 0 | 0 | 0 |
| 304 | 24 | N77 | -148.208 | 1966.266 | 572.706 | 0 | 0 | 0 |
| 305 | 24 | N79 | -220.197 | 2015.272 | 580.848 | 0 | 0 | 0 |
| 306 | 24 | N81 | 1139.186 | 1499.404 | -235.955 | 0 | 0 | 0 |
| 307 | 24 | N83A | -326.694 | 952.725 | -169.387 | 0 | 0 | 0 |
| 308 | 24 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 309 | 24 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 310 | 24 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 311 | 24 | Totals: | 440.916 | 4403.032 | 763.637 | | | |
| 312 | 24 | COG (in): | X: -81.857 | Y: 120.497 | Z: 30.856 | | | |
| 313 | 25 | N83 | 101.385 | -416.708 | 0 | 0 | 0 | 0 |
| 314 | 25 | N97 | 98.467 | -408.56 | 0 | 0 | 0 | 0 |
| 315 | 25 | N100A | -121.296 | -125.107 | 0 | 0 | 0 | 0 |
| 316 | 25 | N104 | 49.724 | -84.013 | 0 | 0 | 0 | 0 |
| 317 | 25 | N77 | -213.389 | 1019.54 | 181.697 | 0 | 0 | 0 |
| 318 | 25 | N79 | -207.198 | 997.767 | 190.036 | 0 | 0 | 0 |



Joint Reactions (By Combination) (Continued)

| LC | Joint Label | X [lb] | Y [lb] | Z [lb] | MX [k-ft] | MY [k-ft] | MZ [k-ft] |
|-----|-------------|-----------|------------|------------|-----------|-----------|-----------|
| 319 | 25 | N81 | 496.041 | 679.009 | -95.67 | 0 | 0 |
| 320 | 25 | N83A | -203.728 | 506.361 | -72.437 | 0 | 0 |
| 321 | 25 | N71 | LOCKED | NC | LOCKED | LOCKED | NC |
| 322 | 25 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 323 | 25 | N66 | NC | NC | NC | LOCKED | NC |
| 324 | 25 | Totals: | .006 | 2168.289 | 203.625 | | |
| 325 | 25 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 326 | 26 | N83 | 141.496 | -443.946 | .457 | 0 | 0 |
| 327 | 26 | N97 | 116.42 | -399.816 | .457 | 0 | 0 |
| 328 | 26 | N100A | -114.147 | -115.27 | 1.502 | 0 | 0 |
| 329 | 26 | N104 | 53.109 | -87.251 | 1.502 | 0 | 0 |
| 330 | 26 | N77 | -299.993 | 1077.295 | 175.081 | 0 | 0 |
| 331 | 26 | N79 | -247.031 | 986.613 | 192.172 | 0 | 0 |
| 332 | 26 | N81 | 461.37 | 631.399 | -99.934 | 0 | 0 |
| 333 | 26 | N83A | -223.007 | 519.267 | -77.619 | 0 | 0 |
| 334 | 26 | N71 | LOCKED | NC | LOCKED | LOCKED | NC |
| 335 | 26 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 336 | 26 | N66 | NC | NC | NC | LOCKED | NC |
| 337 | 26 | Totals: | -111.782 | 2168.289 | 193.619 | | |
| 338 | 26 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 339 | 27 | N83 | 169.245 | -466.05 | .792 | 0 | 0 |
| 340 | 27 | N97 | 124.45 | -389.327 | .792 | 0 | 0 |
| 341 | 27 | N100A | -113.072 | -108.959 | 2.602 | 0 | 0 |
| 342 | 27 | N104 | 51.657 | -89.54 | 2.602 | 0 | 0 |
| 343 | 27 | N77 | -363.737 | 1118.588 | 114.531 | 0 | 0 |
| 344 | 27 | N79 | -269.162 | 962.237 | 134.188 | 0 | 0 |
| 345 | 27 | N81 | 436.76 | 607.616 | -76.473 | 0 | 0 |
| 346 | 27 | N83A | -237.287 | 533.725 | -62.907 | 0 | 0 |
| 347 | 27 | N71 | LOCKED | NC | LOCKED | LOCKED | NC |
| 348 | 27 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 349 | 27 | N66 | NC | NC | NC | LOCKED | NC |
| 350 | 27 | Totals: | -201.145 | 2168.29 | 116.127 | | |
| 351 | 27 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 352 | 28 | N83 | 170.271 | -467.168 | 0 | 0 | 0 |
| 353 | 28 | N97 | 124.234 | -388.403 | 0 | 0 | 0 |
| 354 | 28 | N100A | -115.235 | -109.071 | 0 | 0 | 0 |
| 355 | 28 | N104 | 49.184 | -89.525 | 0 | 0 | 0 |
| 356 | 28 | N77 | -369.206 | 1111.281 | 33.965 | 0 | 0 |
| 357 | 28 | N79 | -272.019 | 950.874 | 48.952 | 0 | 0 |
| 358 | 28 | N81 | 432.282 | 617.265 | -43.465 | 0 | 0 |
| 359 | 28 | N83A | -240.511 | 543.038 | -39.453 | 0 | 0 |
| 360 | 28 | N71 | LOCKED | NC | LOCKED | LOCKED | NC |
| 361 | 28 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 362 | 28 | N66 | NC | NC | NC | LOCKED | NC |
| 363 | 28 | Totals: | -220.999 | 2168.29 | 0 | | |
| 364 | 28 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 365 | 29 | N83 | 154.959 | -452.528 | -.792 | 0 | 0 |
| 366 | 29 | N97 | 122.852 | -397.113 | -.792 | 0 | 0 |
| 367 | 29 | N100A | -115.003 | -112.832 | -2.602 | 0 | 0 |
| 368 | 29 | N104 | 50.44 | -88.035 | -2.602 | 0 | 0 |
| 369 | 29 | N77 | -333.797 | 1072.139 | -28.199 | 0 | 0 |
| 370 | 29 | N79 | -266.008 | 960.651 | -16.824 | 0 | 0 |
| 371 | 29 | N81 | 444.717 | 641.058 | -23.719 | 0 | 0 |
| 372 | 29 | N83A | -232.272 | 544.95 | -24.995 | 0 | 0 |
| 373 | 29 | N71 | LOCKED | NC | LOCKED | LOCKED | NC |
| 374 | 29 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 375 | 29 | N66 | NC | NC | NC | LOCKED | NC |



Company : Maser Consulting
 Designer : MNC
 Job Number : Project No. 10038458
 Model Name : 468092-VZW_MT_LOT_SectorB_H

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Joint Reactions (By Combination) (Continued)

| LC | Joint Label | X [lb] | Y [lb] | Z [lb] | MX [k-ft] | MY [k-ft] | MZ [k-ft] |
|-----|-------------|-----------|------------|------------|-----------|-----------|-----------|
| 376 | 29 | Totals: | -174.113 | 2168.29 | -100.525 | | |
| 377 | 29 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 378 | 30 | N83 | 134.334 | -435.974 | -.457 | 0 | 0 |
| 379 | 30 | N97 | 116.842 | -404.629 | -.457 | 0 | 0 |
| 380 | 30 | N100A | -115.563 | -118.032 | -1.502 | 0 | 0 |
| 381 | 30 | N104 | 51.66 | -86.21 | -1.502 | 0 | 0 |
| 382 | 30 | N77 | -285.331 | 1032.701 | -73.005 | 0 | 0 |
| 383 | 30 | N79 | -248.384 | 969.267 | -62.837 | 0 | 0 |
| 384 | 30 | N81 | 467.271 | 669.389 | -10.636 | 0 | 0 |
| 385 | 30 | N83A | -217.006 | 541.777 | -16.196 | 0 | 0 |
| 386 | 30 | N71 | LOCKED | NC | LOCKED | LOCKED | NC |
| 387 | 30 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 388 | 30 | N66 | NC | NC | NC | LOCKED | NC |
| 389 | 30 | Totals: | -96.178 | 2168.289 | -166.593 | | |
| 390 | 30 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 391 | 31 | N83 | 103.218 | -416.398 | 0 | 0 | 0 |
| 392 | 31 | N97 | 100.774 | -409.128 | 0 | 0 | 0 |
| 393 | 31 | N100A | -121.829 | -126.033 | 0 | 0 | 0 |
| 394 | 31 | N104 | 48.427 | -83.713 | 0 | 0 | 0 |
| 395 | 31 | N77 | -217.904 | 988.695 | -105.297 | 0 | 0 |
| 396 | 31 | N79 | -212.719 | 969.295 | -100.621 | 0 | 0 |
| 397 | 31 | N81 | 498.367 | 711.447 | 6.251 | 0 | 0 |
| 398 | 31 | N83A | -198.328 | 534.125 | -3.961 | 0 | 0 |
| 399 | 31 | N71 | LOCKED | NC | LOCKED | LOCKED | NC |
| 400 | 31 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 401 | 31 | N66 | NC | NC | NC | LOCKED | NC |
| 402 | 31 | Totals: | .007 | 2168.289 | -203.627 | | |
| 403 | 31 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 404 | 32 | N83 | 63.034 | -389.122 | -.457 | 0 | 0 |
| 405 | 32 | N97 | 82.788 | -417.898 | -.457 | 0 | 0 |
| 406 | 32 | N100A | -128.996 | -135.893 | -1.502 | 0 | 0 |
| 407 | 32 | N104 | 45.036 | -80.473 | -1.502 | 0 | 0 |
| 408 | 32 | N77 | -131.247 | 930.869 | -98.719 | 0 | 0 |
| 409 | 32 | N79 | -172.926 | 980.4 | -102.72 | 0 | 0 |
| 410 | 32 | N81 | 533.124 | 759.193 | 10.516 | 0 | 0 |
| 411 | 32 | N83A | -179.017 | 521.213 | 1.222 | 0 | 0 |
| 412 | 32 | N71 | LOCKED | NC | LOCKED | LOCKED | NC |
| 413 | 32 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 414 | 32 | N66 | NC | NC | NC | LOCKED | NC |
| 415 | 32 | Totals: | 111.795 | 2168.289 | -193.621 | | |
| 416 | 32 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 417 | 33 | N83 | 35.286 | -367.017 | -.792 | 0 | 0 |
| 418 | 33 | N97 | 74.758 | -428.384 | -.792 | 0 | 0 |
| 419 | 33 | N100A | -130.069 | -142.202 | -2.602 | 0 | 0 |
| 420 | 33 | N104 | 46.488 | -78.183 | -2.602 | 0 | 0 |
| 421 | 33 | N77 | -67.493 | 889.584 | -38.165 | 0 | 0 |
| 422 | 33 | N79 | -150.791 | 1004.766 | -44.732 | 0 | 0 |
| 423 | 33 | N81 | 557.72 | 782.974 | -12.952 | 0 | 0 |
| 424 | 33 | N83A | -164.74 | 506.751 | -13.492 | 0 | 0 |
| 425 | 33 | N71 | LOCKED | NC | LOCKED | LOCKED | NC |
| 426 | 33 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 427 | 33 | N66 | NC | NC | NC | LOCKED | NC |
| 428 | 33 | Totals: | 201.158 | 2168.289 | -116.129 | | |
| 429 | 33 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 430 | 34 | N83 | 34.331 | -365.935 | 0 | 0 | 0 |
| 431 | 34 | N97 | 75.005 | -429.283 | 0 | 0 | 0 |
| 432 | 34 | N100A | -127.888 | -142.067 | 0 | 0 | 0 |



Company : Maser Consulting
 Designer : MNC
 Job Number : Project No. 10038458
 Model Name : 468092-VZW_MT_LOT_SectorB_H

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Joint Reactions (By Combination) (Continued)

| LC | Joint Label | X [lb] | Y [lb] | Z [lb] | MX [k-ft] | MY [k-ft] | MZ [k-ft] |
|-----|-------------|-----------|------------|------------|-----------|-----------|-----------|
| 433 | 34 | N104 | 48.967 | -78.2 | 0 | 0 | 0 |
| 434 | 34 | N77 | -62.075 | 896.951 | 42.436 | 0 | 0 |
| 435 | 34 | N79 | -147.895 | 1016.186 | 40.476 | 0 | 0 |
| 436 | 34 | N81 | 562.116 | 773.186 | -45.964 | 0 | 0 |
| 437 | 34 | N83A | -161.547 | 497.45 | -36.949 | 0 | 0 |
| 438 | 34 | N71 | LOCKED | NC | LOCKED | LOCKED | LOCKED |
| 439 | 34 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 440 | 34 | N66 | NC | NC | NC | LOCKED | LOCKED |
| 441 | 34 | Totals: | 221.012 | 2168.289 | 0 | | |
| 442 | 34 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 443 | 35 | N83 | 49.685 | -380.598 | .792 | 0 | 0 |
| 444 | 35 | N97 | 76.407 | -420.558 | .792 | 0 | 0 |
| 445 | 35 | N100A | -128.11 | -138.292 | 2.602 | 0 | 0 |
| 446 | 35 | N104 | 47.714 | -79.691 | 2.602 | 0 | 0 |
| 447 | 35 | N77 | -97.516 | 936.133 | 104.622 | 0 | 0 |
| 448 | 35 | N79 | -153.884 | 1006.437 | 106.23 | 0 | 0 |
| 449 | 35 | N81 | 549.633 | 749.317 | -65.709 | 0 | 0 |
| 450 | 35 | N83A | -169.803 | 495.541 | -51.407 | 0 | 0 |
| 451 | 35 | N71 | LOCKED | NC | LOCKED | LOCKED | LOCKED |
| 452 | 35 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 453 | 35 | N66 | NC | NC | NC | LOCKED | LOCKED |
| 454 | 35 | Totals: | 174.126 | 2168.289 | 100.523 | | |
| 455 | 35 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 456 | 36 | N83 | 70.313 | -397.152 | .457 | 0 | 0 |
| 457 | 36 | N97 | 82.419 | -413.042 | .457 | 0 | 0 |
| 458 | 36 | N100A | -127.55 | -133.093 | 1.502 | 0 | 0 |
| 459 | 36 | N104 | 46.494 | -81.516 | 1.502 | 0 | 0 |
| 460 | 36 | N77 | -145.985 | 975.578 | 149.43 | 0 | 0 |
| 461 | 36 | N79 | -171.509 | 997.817 | 152.236 | 0 | 0 |
| 462 | 36 | N81 | 527.077 | 720.987 | -78.79 | 0 | 0 |
| 463 | 36 | N83A | -185.07 | 498.71 | -60.204 | 0 | 0 |
| 464 | 36 | N71 | LOCKED | NC | LOCKED | LOCKED | LOCKED |
| 465 | 36 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 466 | 36 | N66 | NC | NC | NC | LOCKED | LOCKED |
| 467 | 36 | Totals: | 96.191 | 2168.289 | 166.591 | | |
| 468 | 36 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 469 | 37 | N83 | 101.385 | -416.708 | 0 | 0 | 0 |
| 470 | 37 | N97 | 98.467 | -408.56 | 0 | 0 | 0 |
| 471 | 37 | N100A | -121.296 | -125.107 | 0 | 0 | 0 |
| 472 | 37 | N104 | 49.724 | -84.013 | 0 | 0 | 0 |
| 473 | 37 | N77 | -213.389 | 1019.54 | 181.697 | 0 | 0 |
| 474 | 37 | N79 | -207.198 | 997.767 | 190.036 | 0 | 0 |
| 475 | 37 | N81 | 496.041 | 679.009 | -95.67 | 0 | 0 |
| 476 | 37 | N83A | -203.728 | 506.361 | -72.437 | 0 | 0 |
| 477 | 37 | N71 | LOCKED | NC | LOCKED | LOCKED | LOCKED |
| 478 | 37 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 479 | 37 | N66 | NC | NC | NC | LOCKED | LOCKED |
| 480 | 37 | Totals: | .006 | 2168.289 | 203.625 | | |
| 481 | 37 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 482 | 38 | N83 | 141.496 | -443.946 | .457 | 0 | 0 |
| 483 | 38 | N97 | 116.42 | -399.816 | .457 | 0 | 0 |
| 484 | 38 | N100A | -114.147 | -115.27 | 1.502 | 0 | 0 |
| 485 | 38 | N104 | 53.109 | -87.251 | 1.502 | 0 | 0 |
| 486 | 38 | N77 | -299.993 | 1077.295 | 175.081 | 0 | 0 |
| 487 | 38 | N79 | -247.031 | 986.613 | 192.172 | 0 | 0 |
| 488 | 38 | N81 | 461.37 | 631.399 | -99.934 | 0 | 0 |
| 489 | 38 | N83A | -223.007 | 519.267 | -77.619 | 0 | 0 |



Company : Maser Consulting
 Designer : MNC
 Job Number : Project No. 10038458
 Model Name : 468092-VZW_MT_LOT_SectorB_H

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Joint Reactions (By Combination) (Continued)

| LC | Joint Label | X [lb] | Y [lb] | Z [lb] | MX [k-ft] | MY [k-ft] | MZ [k-ft] |
|-----|-------------|-----------|------------|------------|-----------|-----------|-----------|
| 490 | 38 | N71 | LOCKED | NC | LOCKED | LOCKED | LOCKED |
| 491 | 38 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 492 | 38 | N66 | NC | NC | NC | LOCKED | LOCKED |
| 493 | 38 | Totals: | -111.782 | 2168.289 | 193.619 | | |
| 494 | 38 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 495 | 39 | N83 | 169.245 | -466.05 | .792 | 0 | 0 |
| 496 | 39 | N97 | 124.45 | -389.327 | .792 | 0 | 0 |
| 497 | 39 | N100A | -113.072 | -108.959 | 2.602 | 0 | 0 |
| 498 | 39 | N104 | 51.657 | -89.54 | 2.602 | 0 | 0 |
| 499 | 39 | N77 | -363.737 | 1118.588 | 114.531 | 0 | 0 |
| 500 | 39 | N79 | -269.162 | 962.237 | 134.188 | 0 | 0 |
| 501 | 39 | N81 | 436.76 | 607.616 | -76.473 | 0 | 0 |
| 502 | 39 | N83A | -237.287 | 533.725 | -62.907 | 0 | 0 |
| 503 | 39 | N71 | LOCKED | NC | LOCKED | LOCKED | LOCKED |
| 504 | 39 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 505 | 39 | N66 | NC | NC | NC | LOCKED | LOCKED |
| 506 | 39 | Totals: | -201.145 | 2168.29 | 116.127 | | |
| 507 | 39 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 508 | 40 | N83 | 170.271 | -467.168 | 0 | 0 | 0 |
| 509 | 40 | N97 | 124.234 | -388.403 | 0 | 0 | 0 |
| 510 | 40 | N100A | -115.235 | -109.071 | 0 | 0 | 0 |
| 511 | 40 | N104 | 49.184 | -89.525 | 0 | 0 | 0 |
| 512 | 40 | N77 | -369.206 | 1111.281 | 33.965 | 0 | 0 |
| 513 | 40 | N79 | -272.019 | 950.874 | 48.952 | 0 | 0 |
| 514 | 40 | N81 | 432.282 | 617.265 | -43.465 | 0 | 0 |
| 515 | 40 | N83A | -240.511 | 543.038 | -39.453 | 0 | 0 |
| 516 | 40 | N71 | LOCKED | NC | LOCKED | LOCKED | LOCKED |
| 517 | 40 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 518 | 40 | N66 | NC | NC | NC | LOCKED | LOCKED |
| 519 | 40 | Totals: | -220.999 | 2168.29 | 0 | | |
| 520 | 40 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 521 | 41 | N83 | 154.959 | -452.528 | -.792 | 0 | 0 |
| 522 | 41 | N97 | 122.852 | -397.113 | -.792 | 0 | 0 |
| 523 | 41 | N100A | -115.003 | -112.832 | -2.602 | 0 | 0 |
| 524 | 41 | N104 | 50.44 | -88.035 | -2.602 | 0 | 0 |
| 525 | 41 | N77 | -333.797 | 1072.139 | -28.199 | 0 | 0 |
| 526 | 41 | N79 | -266.008 | 960.651 | -16.824 | 0 | 0 |
| 527 | 41 | N81 | 444.717 | 641.058 | -23.719 | 0 | 0 |
| 528 | 41 | N83A | -232.272 | 544.95 | -24.995 | 0 | 0 |
| 529 | 41 | N71 | LOCKED | NC | LOCKED | LOCKED | LOCKED |
| 530 | 41 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 531 | 41 | N66 | NC | NC | NC | LOCKED | LOCKED |
| 532 | 41 | Totals: | -174.113 | 2168.29 | -100.525 | | |
| 533 | 41 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |
| 534 | 42 | N83 | 134.334 | -435.974 | -.457 | 0 | 0 |
| 535 | 42 | N97 | 116.842 | -404.629 | -.457 | 0 | 0 |
| 536 | 42 | N100A | -115.563 | -118.032 | -1.502 | 0 | 0 |
| 537 | 42 | N104 | 51.66 | -86.21 | -1.502 | 0 | 0 |
| 538 | 42 | N77 | -285.331 | 1032.701 | -73.005 | 0 | 0 |
| 539 | 42 | N79 | -248.384 | 969.267 | -62.837 | 0 | 0 |
| 540 | 42 | N81 | 467.271 | 669.389 | -10.636 | 0 | 0 |
| 541 | 42 | N83A | -217.006 | 541.777 | -16.196 | 0 | 0 |
| 542 | 42 | N71 | LOCKED | NC | LOCKED | LOCKED | LOCKED |
| 543 | 42 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED |
| 544 | 42 | N66 | NC | NC | NC | LOCKED | LOCKED |
| 545 | 42 | Totals: | -96.178 | 2168.289 | -166.593 | | |
| 546 | 42 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |



Company : Maser Consulting
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 Job Number : Project No. 10038458
 Model Name : 468092-VZW_MT_LOT_SectorB_H

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Joint Reactions (By Combination) (Continued)

| LC | Joint Label | X [lb] | Y [lb] | Z [lb] | MX [k-ft] | MY [k-ft] | MZ [k-ft] | |
|-----|-------------|-----------|------------|------------|-----------|-----------|-----------|--------|
| 547 | 43 | N83 | 103.218 | -416.398 | 0 | 0 | 0 | |
| 548 | 43 | N97 | 100.774 | -409.128 | 0 | 0 | 0 | |
| 549 | 43 | N100A | -121.829 | -126.033 | 0 | 0 | 0 | |
| 550 | 43 | N104 | 48.427 | -83.713 | 0 | 0 | 0 | |
| 551 | 43 | N77 | -217.904 | 988.695 | -105.297 | 0 | 0 | |
| 552 | 43 | N79 | -212.719 | 969.295 | -100.621 | 0 | 0 | |
| 553 | 43 | N81 | 498.367 | 711.447 | 6.251 | 0 | 0 | |
| 554 | 43 | N83A | -198.328 | 534.125 | -3.961 | 0 | 0 | |
| 555 | 43 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 556 | 43 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 557 | 43 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 558 | 43 | Totals: | .007 | 2168.289 | -203.627 | | | |
| 559 | 43 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | | |
| 560 | 44 | N83 | 63.034 | -389.122 | -.457 | 0 | 0 | 0 |
| 561 | 44 | N97 | 82.788 | -417.898 | -.457 | 0 | 0 | 0 |
| 562 | 44 | N100A | -128.996 | -135.893 | -1.502 | 0 | 0 | 0 |
| 563 | 44 | N104 | 45.036 | -80.473 | -1.502 | 0 | 0 | 0 |
| 564 | 44 | N77 | -131.247 | 930.869 | -98.719 | 0 | 0 | 0 |
| 565 | 44 | N79 | -172.926 | 980.4 | -102.72 | 0 | 0 | 0 |
| 566 | 44 | N81 | 533.124 | 759.193 | 10.516 | 0 | 0 | 0 |
| 567 | 44 | N83A | -179.017 | 521.213 | 1.222 | 0 | 0 | 0 |
| 568 | 44 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 569 | 44 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 570 | 44 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 571 | 44 | Totals: | 111.795 | 2168.289 | -193.621 | | | |
| 572 | 44 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | | |
| 573 | 45 | N83 | 35.286 | -367.017 | -.792 | 0 | 0 | 0 |
| 574 | 45 | N97 | 74.758 | -428.384 | -.792 | 0 | 0 | 0 |
| 575 | 45 | N100A | -130.069 | -142.202 | -2.602 | 0 | 0 | 0 |
| 576 | 45 | N104 | 46.488 | -78.183 | -2.602 | 0 | 0 | 0 |
| 577 | 45 | N77 | -67.493 | 889.584 | -38.165 | 0 | 0 | 0 |
| 578 | 45 | N79 | -150.791 | 1004.766 | -44.732 | 0 | 0 | 0 |
| 579 | 45 | N81 | 557.72 | 782.974 | -12.952 | 0 | 0 | 0 |
| 580 | 45 | N83A | -164.74 | 506.751 | -13.492 | 0 | 0 | 0 |
| 581 | 45 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 582 | 45 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 583 | 45 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 584 | 45 | Totals: | 201.158 | 2168.289 | -116.129 | | | |
| 585 | 45 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | | |
| 586 | 46 | N83 | 34.331 | -365.935 | 0 | 0 | 0 | 0 |
| 587 | 46 | N97 | 75.005 | -429.283 | 0 | 0 | 0 | 0 |
| 588 | 46 | N100A | -127.888 | -142.067 | 0 | 0 | 0 | 0 |
| 589 | 46 | N104 | 48.967 | -78.2 | 0 | 0 | 0 | 0 |
| 590 | 46 | N77 | -62.075 | 896.951 | 42.436 | 0 | 0 | 0 |
| 591 | 46 | N79 | -147.895 | 1016.186 | 40.476 | 0 | 0 | 0 |
| 592 | 46 | N81 | 562.116 | 773.186 | -45.964 | 0 | 0 | 0 |
| 593 | 46 | N83A | -161.547 | 497.45 | -36.949 | 0 | 0 | 0 |
| 594 | 46 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 595 | 46 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 596 | 46 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 597 | 46 | Totals: | 221.012 | 2168.289 | 0 | | | |
| 598 | 46 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | | |
| 599 | 47 | N83 | 49.685 | -380.598 | .792 | 0 | 0 | 0 |
| 600 | 47 | N97 | 76.407 | -420.558 | .792 | 0 | 0 | 0 |
| 601 | 47 | N100A | -128.11 | -138.292 | 2.602 | 0 | 0 | 0 |
| 602 | 47 | N104 | 47.714 | -79.691 | 2.602 | 0 | 0 | 0 |
| 603 | 47 | N77 | -97.516 | 936.133 | 104.622 | 0 | 0 | 0 |



Company : Maser Consulting
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Joint Reactions (By Combination) (Continued)

| LC | Joint Label | X [lb] | Y [lb] | Z [lb] | MX [k-ft] | MY [k-ft] | MZ [k-ft] | |
|-----|-------------|-----------|------------|------------|-----------|-----------|-----------|--------|
| 604 | 47 | N79 | -153.884 | 1006.437 | 106.23 | 0 | 0 | 0 |
| 605 | 47 | N81 | 549.633 | 749.317 | -65.709 | 0 | 0 | 0 |
| 606 | 47 | N83A | -169.803 | 495.541 | -51.407 | 0 | 0 | 0 |
| 607 | 47 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 608 | 47 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 609 | 47 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 610 | 47 | Totals: | 174.126 | 2168.289 | 100.523 | | | |
| 611 | 47 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | | |
| 612 | 48 | N83 | 70.313 | -397.152 | .457 | 0 | 0 | 0 |
| 613 | 48 | N97 | 82.419 | -413.042 | .457 | 0 | 0 | 0 |
| 614 | 48 | N100A | -127.55 | -133.093 | 1.502 | 0 | 0 | 0 |
| 615 | 48 | N104 | 46.494 | -81.516 | 1.502 | 0 | 0 | 0 |
| 616 | 48 | N77 | -145.985 | 975.578 | 149.43 | 0 | 0 | 0 |
| 617 | 48 | N79 | -171.509 | 997.817 | 152.236 | 0 | 0 | 0 |
| 618 | 48 | N81 | 527.077 | 720.987 | -78.79 | 0 | 0 | 0 |
| 619 | 48 | N83A | -185.07 | 498.71 | -60.204 | 0 | 0 | 0 |
| 620 | 48 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 621 | 48 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 622 | 48 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 623 | 48 | Totals: | 96.191 | 2168.289 | 166.591 | | | |
| 624 | 48 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | | |
| 625 | 49 | N83 | 102.301 | -416.552 | 0 | 0 | 0 | 0 |
| 626 | 49 | N97 | 99.619 | -408.841 | 0 | 0 | 0 | 0 |
| 627 | 49 | N100A | -121.562 | -125.569 | 0 | 0 | 0 | 0 |
| 628 | 49 | N104 | 49.075 | -83.862 | 0 | 0 | 0 | 0 |
| 629 | 49 | N77 | -215.645 | 1004.118 | 38.201 | 0 | 0 | 0 |
| 630 | 49 | N79 | -209.955 | 983.53 | 44.714 | 0 | 0 | 0 |
| 631 | 49 | N81 | 497.2 | 695.224 | -44.715 | 0 | 0 | 0 |
| 632 | 49 | N83A | -201.028 | 520.242 | -38.201 | 0 | 0 | 0 |
| 633 | 49 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 634 | 49 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 635 | 49 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 636 | 49 | Totals: | .006 | 2168.289 | 0 | | | |
| 637 | 49 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | | |
| 638 | 50 | N83 | 102.301 | -416.552 | 0 | 0 | 0 | 0 |
| 639 | 50 | N97 | 99.619 | -408.841 | 0 | 0 | 0 | 0 |
| 640 | 50 | N100A | -121.562 | -125.569 | 0 | 0 | 0 | 0 |
| 641 | 50 | N104 | 49.075 | -83.862 | 0 | 0 | 0 | 0 |
| 642 | 50 | N77 | -215.645 | 1004.118 | 38.201 | 0 | 0 | 0 |
| 643 | 50 | N79 | -209.955 | 983.53 | 44.714 | 0 | 0 | 0 |
| 644 | 50 | N81 | 497.2 | 695.224 | -44.715 | 0 | 0 | 0 |
| 645 | 50 | N83A | -201.028 | 520.242 | -38.201 | 0 | 0 | 0 |
| 646 | 50 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 647 | 50 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |
| 648 | 50 | N66 | NC | NC | NC | LOCKED | NC | LOCKED |
| 649 | 50 | Totals: | .006 | 2168.289 | 0 | | | |
| 650 | 50 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | | |
| 651 | 51 | N83 | 119.359 | -485.99 | 0 | 0 | 0 | 0 |
| 652 | 51 | N97 | 116.217 | -476.969 | 0 | 0 | 0 | 0 |
| 653 | 51 | N100A | -141.82 | -146.493 | 0 | 0 | 0 | 0 |
| 654 | 51 | N104 | 57.257 | -97.842 | 0 | 0 | 0 | 0 |
| 655 | 51 | N77 | -251.586 | 1171.58 | 44.622 | 0 | 0 | 0 |
| 656 | 51 | N79 | -244.919 | 1147.488 | 52.218 | 0 | 0 | 0 |
| 657 | 51 | N81 | 580.049 | 811.018 | -52.219 | 0 | 0 | 0 |
| 658 | 51 | N83A | -234.549 | 606.88 | -44.622 | 0 | 0 | 0 |
| 659 | 51 | N71 | LOCKED | NC | LOCKED | LOCKED | NC | LOCKED |
| 660 | 51 | N72 | LOCKED | LOCKED | LOCKED | NC | LOCKED | NC |



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Joint Reactions (By Combination) (Continued)

| LC | Joint Label | X [lb] | Y [lb] | Z [lb] | MX [k-ft] | MY [k-ft] | MZ [k-ft] |
|-----|-------------|-----------|------------|------------|-----------|-----------|-----------|
| 661 | 51 | N66 | NC | NC | NC | LOCKED | LOCKED |
| 662 | 51 | Totals: | .008 | 2529.671 | 0 | | |
| 663 | 51 | COG (in): | X: -82.265 | Y: 115.869 | Z: 30.606 | | |

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

| Member | Shape | Code Ch... | Loc[in] | LC | Shear Check | Loc[in] | Dir | LC | phi*... | phi*... | phi*... | phi*... | Eqn |
|--------|-------|------------|---------|---------|-------------|---------|--------|----|---------|---------|---------|---------|--------|
| 1 | M21 | PIPE_... | .532 | 65.625 | 7 | .255 | 18.75 | | 2 | 4141... | 1080... | 10.684 | H1-... |
| 2 | M24 | PIPE_... | .238 | 163.125 | 23 | .158 | 161.25 | | 8 | 1987... | 65205 | 5.749 | H1-... |
| 3 | MP4A | PIPE_... | .556 | 147.5 | 2 | .254 | 147.5 | | 2 | 2329... | 1080... | 10.684 | H3-6 |
| 4 | MP3A | PIPE_... | .557 | 145 | 3 | .137 | 147.5 | | 8 | 1117... | 65205 | 5.749 | H1-... |
| 5 | MP1A | PIPE_... | .714 | 147.5 | 2 | .322 | 147.5 | | 7 | 1117... | 65205 | 5.749 | H3-6 |
| 6 | M19 | L4X4X4 | .370 | 20.542 | 1 | .069 | 68 | y | 1 | 4112... | 62532 | 3.138 | H2-1 |
| 7 | M20 | L4X4X4 | .150 | 34 | 16 | .063 | 34 | z | 19 | 4112... | 62532 | 3.138 | H2-1 |
| 8 | M32 | L4X4X4 | .915 | 29.676 | 9 | .086 | 29.676 | z | 3 | 4239... | 62532 | 3.138 | H2-1 |
| 9 | M51 | L4X4X4 | .861 | 29.676 | 9 | .064 | 11.871 | z | 9 | 4239... | 62532 | 3.138 | H2-1 |
| 10 | M51A | L4X4X6 | .655 | 30.69 | 9 | .059 | 29.412 | y | 9 | 2601... | 92664 | 4.398 | H2-1 |
| 11 | M53A | L4X4X6 | .455 | 29.412 | 15 | .039 | 11.509 | z | 14 | 2601... | 92664 | 4.398 | H2-1 |
| 12 | M34A | L3X3X4 | .083 | 35.25 | 7 | .023 | 70.5 | y | 10 | 2171... | 46656 | 1.688 | H2-1 |
| 13 | M35 | L3X3X4 | .085 | 35.25 | 8 | .023 | 70.5 | z | 10 | 2171... | 46656 | 1.688 | H2-1 |
| 14 | M38 | PIPE_... | .768 | 145 | 3 | .145 | 200 | | 1 | 2329... | 1080... | 10.684 | H1-... |

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

| Member | Shape | Code ... | Loc[in] | LC | Shear ... | Loc[in] | Dir | LC | phi*Pn[lb] | phi*Tn[lb] | phi*Mny... | phi*Mnz... | phi*V... | phi*V... | Cb | Eqn | |
|--------|-------|------------|---------|----|-----------|---------|-----|----|------------|------------|------------|------------|----------|----------|---------|-------|--------|
| 1 | M25 | 1.625CS... | .172 | 18 | 3 | .027 | 36 | y | 3 | 10501.6... | 17825.1... | .48 | .761 | 2640... | 5280... | 1.28 | H1.2-1 |
| 2 | M26 | 1.625CS... | .060 | 18 | 8 | .020 | 36 | y | 2 | 10501.6... | 17825.1... | .48 | .761 | 2640... | 5280... | 1.209 | H1.2-1 |
| 3 | M29 | 1.625CS... | .173 | 18 | 3 | .023 | 0 | y | 10 | 10501.6... | 17825.1... | .48 | .761 | 2640... | 5280... | 1.28 | H1.2-1 |

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

Contractor is responsible for making certain the photos provided as noted below provide confirmation that the modification was completed in accordance with the modification drawings.

Contractor shall relay any data that can impact the performance of the mount or the mount modification, this includes safety issues.

Base Requirements:

Any special photos outside of the standard requirements will be indicated on the drawings

Provide “as built drawings” showing contractor’s name, preparer’s signature, and date. Any deviations from the drawings (proposed modification) must be shown.

Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.

Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact Maser Consulting immediately.

Each photo should be time and date stamped

Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.

Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.

The photos in the file structure should be uploaded to <https://pmi.vzwsmart.com> as depicted on the drawings

Photo Requirements:

Base and “During Installation Photos”

- Base pictures include
 - Photo of Gate Signs showing the tower owner, site name, and number
 - Photo of carrier shelter showing the carrier site name and number if available
 - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
- “During Installation Photos if provided - must be placed only in this folder

Photos taken at ground level

- Overall tower structure before and after installation of the modifications
- Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

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

Material Certification:

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

The Material utilized was as specified on the Maser Consulting Mount Modification Drawings and included in the

Material certification folder is a packing list or invoice for these materials

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

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

- The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.
- The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.
- The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Certifying Individual: Company _____

Name _____


















Signature _____

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

Issue: Contractor shall relocate position 2 and 3 antenna mount pipes to be equally spaced or as necessary for proper antenna installation. Contractor to drill new bolt holes as necessary in RRU horizontal angle to install Mount pipe in position 2 with U-bolts. Contractor to utilize existing hardware where possible. Contractor shall relocate RRH Unistrut and utilize existing bolt hole from relocated Mount pipe in position 2

Response:

Schedule A – Photo & Document File Structure

-  VzW Site Number / Name
 -  Base & “During Installation” Photos
 -  Pre-Installation Photos
 -  Alpha
 -  Beta
 -  Gamma
 -  Ground Level
 -  Tape Drop
 -  Post-Installation Photos
 -  Alpha
 -  Beta
 -  Gamma
 -  Ground Level
 -  Tape Drop
 -  Photos of climbing facility and safety climb – If Present
-  Certifications – Submission of this document including certifications
-  Specific Required Additional Photos

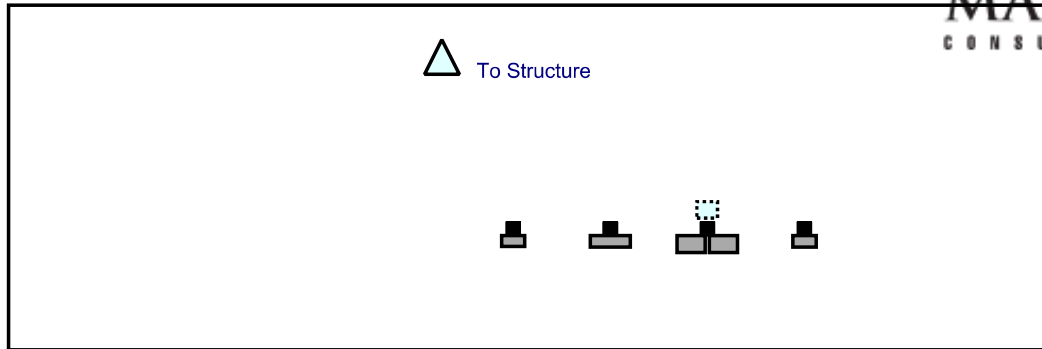
Sector: **A**
 Structure Type: Rooftop
 Mount Elev: 156.00

4/6/2021

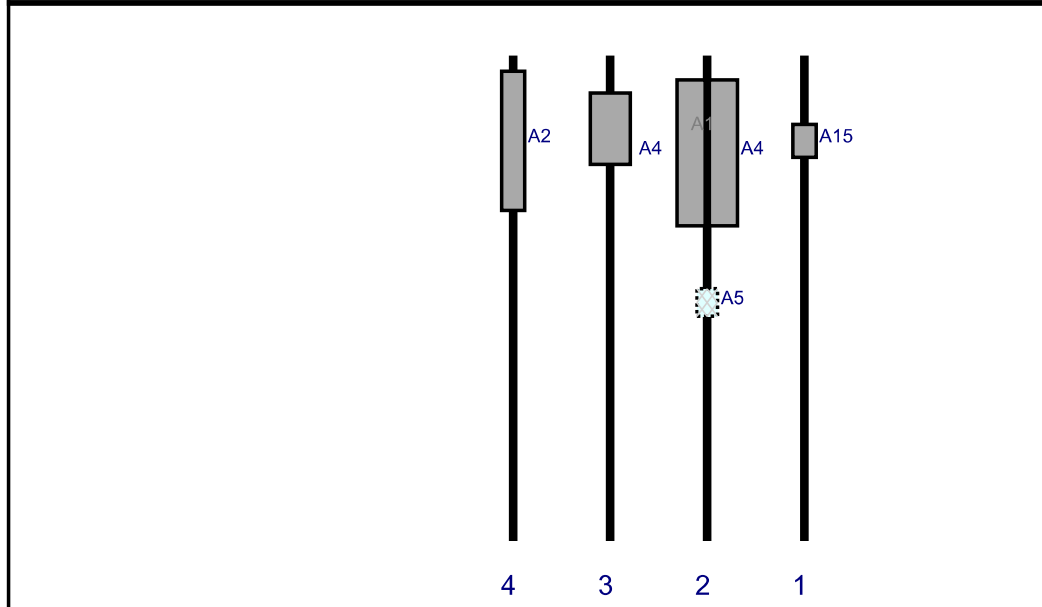
Page: 1



Plan View



Front View
Looking at Structure



| Ref# | Model | Height (in) | Width (in) | H Dist Frm L. | Pipe # | Pipe Pos V | Ant Pos | C. Ant Frm T. | Ant H Off | Status | Validation |
|------|------------------------|-------------|------------|---------------|--------|------------|---------|---------------|-----------|----------|------------|
| A15 | XXDWMM-12.5-65-8T CBRS | 16.2 | 11.4 | 162 | 1 | a | Front | 42 | 0 | Retained | 12/11/2020 |
| A4 | JAHH-65B-R3B | 72 | 13.8 | 114 | 2 | a | Front | 48 | 8 | Retained | 12/11/2020 |
| A4 | JAHH-65B-R3B | 72 | 13.8 | 114 | 2 | b | Front | 48 | -8 | Retained | 12/11/2020 |
| A5 | RRFDC-1064-PF-48 | 13.6 | 10.2 | 114 | 2 | a | Behind | 122.04 | 0 | Retained | 12/11/2020 |
| A1 | Licensed Sub 6 Antenna | 35.1 | 19.6 | 66 | 3 | a | Front | 36 | 0 | Added | |
| A2 | BXA-80063-6BF-EDIN | 68.6 | 11.2 | 18 | 4 | a | Front | 42 | 0 | Retained | 12/11/2020 |

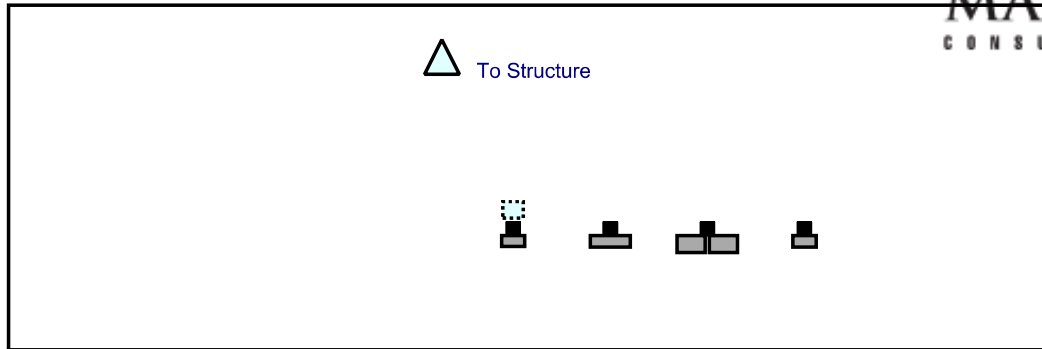
Sector: **B**
 Structure Type: Rooftop
 Mount Elev: 156.00

4/6/2021

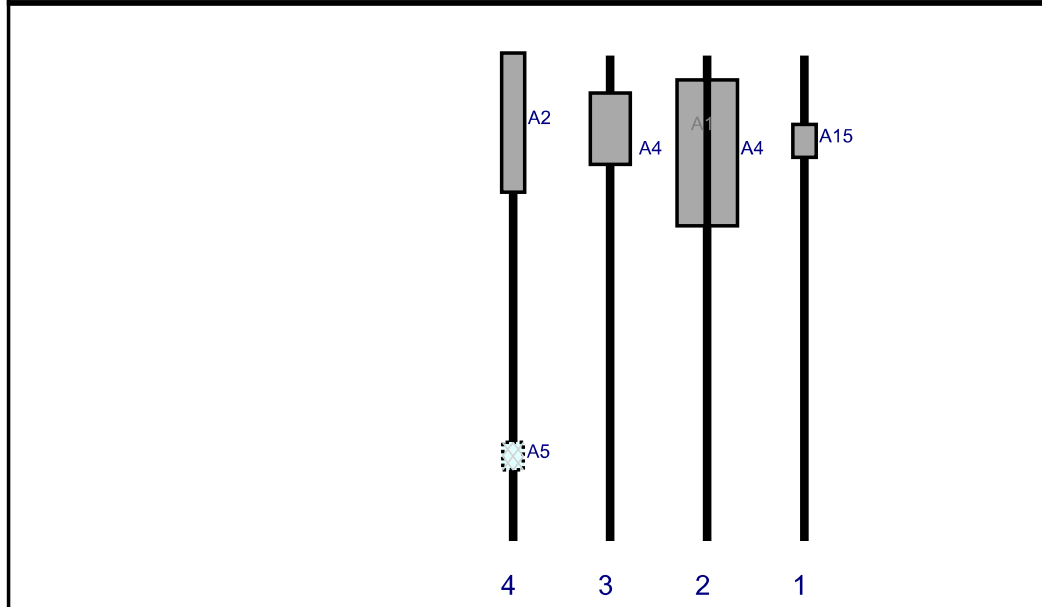
Page: 2



Plan View



Front View
Looking at Structure



| Ref# | Model | Height (in) | Width (in) | H Dist Frm L. | Pipe # | Pipe Pos V | Ant Pos | C. Ant Frm T. | Ant H Off | Status | Validation |
|------|------------------------|-------------|------------|---------------|--------|------------|---------|---------------|-----------|----------|------------|
| A15 | XXDWMM-12.5-65-8T CBRS | 16.2 | 11.4 | 162 | 1 | a | Front | 42 | 0 | Retained | 12/11/2020 |
| A4 | JAHH-65B-R3B | 72 | 13.8 | 114 | 2 | a | Front | 48 | 8 | Retained | 12/11/2020 |
| A4 | JAHH-65B-R3B | 72 | 13.8 | 114 | 2 | b | Front | 48 | -8 | Retained | 12/11/2020 |
| A1 | Licensed Sub 6 Antenna | 35.1 | 19.6 | 66 | 3 | a | Front | 36 | 0 | Added | |
| A2 | BXA-80063-6BF-EDIN | 68.6 | 11.2 | 18 | 4 | a | Front | 33 | 0 | Retained | 12/11/2020 |
| A5 | RRFDC-1064-PF-48 | 13.6 | 10.2 | 18 | 4 | a | Behind | 198 | 0 | Retained | 12/11/2020 |

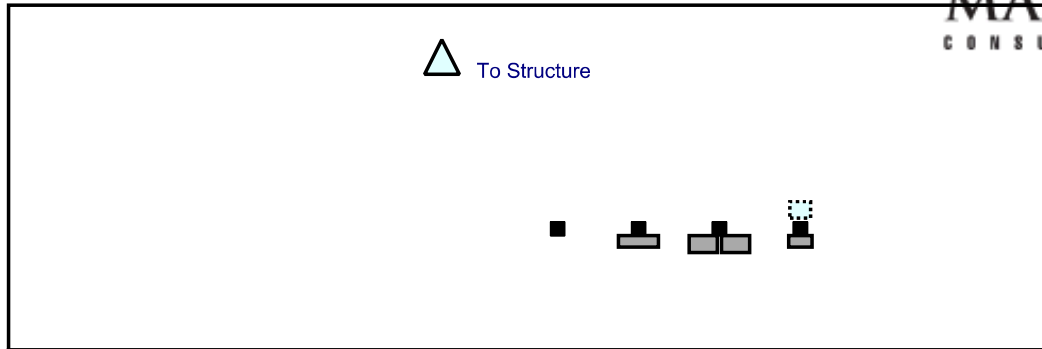
Sector: C
 Structure Type: Rooftop
 Mount Elev: 156.00

4/6/2021

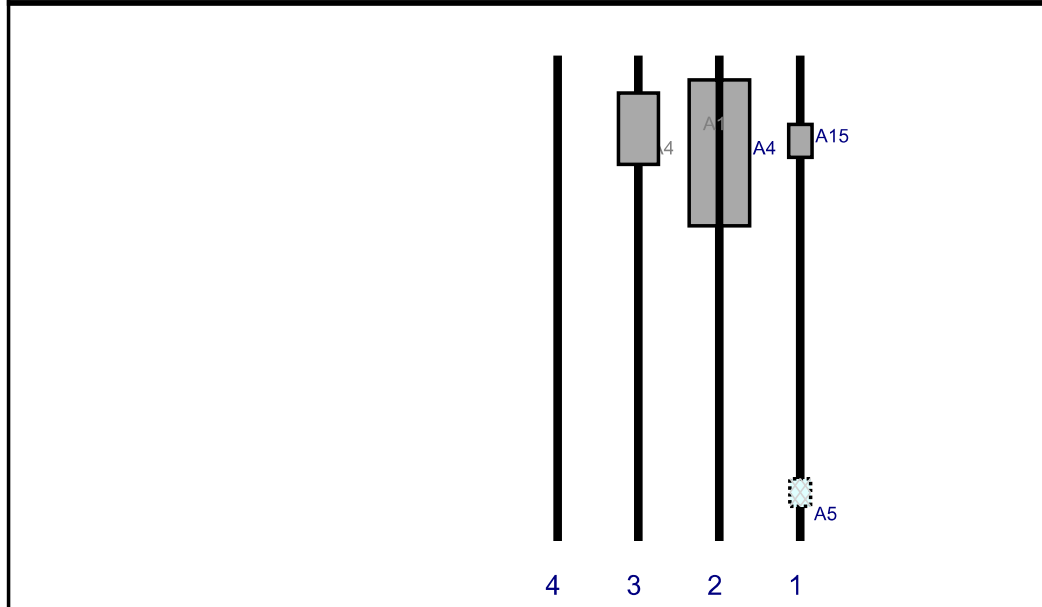
Page: 3



Plan View



Front View
 Looking at Structure



| Ref# | Model | Height (in) | Width (in) | H Dist Frm L. | Pipe # | Pipe Pos V | Ant Pos | C. Ant Frm T. | Ant H Off | Status | Validation |
|------|------------------------|-------------|------------|---------------|--------|------------|---------|---------------|-----------|----------|------------|
| A15 | XXDWMM-12.5-65-8T CBRS | 16.2 | 11.4 | 160 | 1 | a | Front | 42 | 0 | Retained | 12/11/2020 |
| A5 | RRFDC-1064-PF-48 | 13.6 | 10.2 | 160 | 1 | a | Behind | 216 | 0 | Retained | 12/11/2020 |
| A4 | JAHH-65B-R3B | 72 | 13.8 | 120 | 2 | a | Front | 48 | 8 | Retained | 12/11/2020 |
| A4 | JAHH-65B-R3B | 72 | 13.8 | 120 | 2 | b | Front | 48 | -8 | Retained | 12/11/2020 |
| A1 | Licensed Sub 6 Antenna | 35.1 | 19.6 | 80 | 3 | a | Front | 36 | 0 | Added | |

Subject: *TIA-222-H Usage*

Site Information

Site ID: 468092-VZW / Danbury CT
Site Name: Danbury CT
Carrier Name: Verizon Wireless
Address: 24 Hospital Ave
Danbury, Connecticut 06810
Fairfield County
Latitude: 41.404983°
Longitude: -73.445739°

Structure Information

Tower Type: 203-Ft Rooftop
Mount Type: (2) 15.00-Ft Rooftop Frame
(1) 6.50-Ft Rooftop Frame

To Whom It May Concern,

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

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

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

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

Sincerely,

Michael Cleary, PE
Telecommunications Department Manager

March 29, 2021

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

Re: Verizon Wireless antenna Model Clarification for CT Siting Council

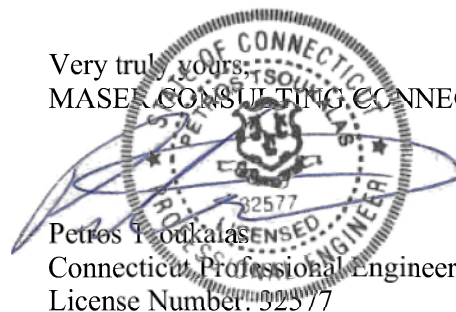
Dear Mr. Leone,

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

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

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

Very truly yours,
MASER CONSULTING CONNECTICUT



Petros I. Ioukalis
Connecticut Professional Engineer
License Number: 32577

BILL OF MATERIALS

| VZWSMART KITS | | NOTES |
|---------------|--------------|------------------------------|
| QUANTITY | MANUFACTURER | DESCRIPTION |
| - | - | 264" LONG L4X4X5/16 |
| - | - | 78" LONG L4X4X5/16 |
| - | - | 98" LONG L4X4X5/16 |
| - | - | 240" LONG P3.0 X STR PIPE |
| - | - | 180" LONG P3.0 X STR PIPE |
| - | - | 1/2" U-BOLT |
| - | - | 70" LONG L3X3X1/4 |
| - | - | 4" LONG L4X4X5/16 ANGLE CLIP |
| - | - | 1/2" A325N BOLTS |
| - | - | CROSSOVER PLATE |
| - | - | CROSSOVER PLATE |

| OTHER REQUIRED PARTS | | NOTES |
|----------------------|--------------|---|
| QUANTITY | MANUFACTURER | DESCRIPTION |
| 2 | - | 264" LONG L4X4X5/16 CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET S-2 |
| 2 | - | 78" LONG L4X4X5/16 CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET S-2 |
| 4 | - | 98" LONG L4X4X5/16 CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET S-2 |
| 4 | - | 240" LONG P3.0 X STR PIPE CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET S-2 |
| 2 | - | 180" LONG P3.0 X STR PIPE CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET S-2 |
| 6 | - | 1/2" U-BOLT CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET S-2 |
| 4 | - | 70" LONG L3X3X1/4 CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET S-2 |
| 4 | - | 4" LONG L4X4X5/16 ANGLE CLIP CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET S-2 |
| - | - | 1/2" A325N BOLTS CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET S-2 |
| - | - | CROSSOVER PLATE CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET S-2 |
| - | - | CROSSOVER PLATE CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET S-2 |

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

VZWSMART KITS - APPROVED VENDORS

| | |
|-----------------------------------|--|
| COMMSCOPE | |
| CONTACT | SALVADOR ANGUIANO |
| PHONE | (817) 306-7492 |
| EMAIL | SALVADOR.ANGUIANO@COMMSCOPE.COM |
| WEBSITE | WWW.COMMSCOPE.COM |
| METROSITE FABRICATORS, LLC | |
| CONTACT | KENT RAMEY |
| PHONE | (766) 335-7645 (O), (766) 882-9788 (M) |
| EMAIL | KENT@METROSITELLC.COM |
| WEBSITE | METROSITEFABRICATORS.COM |
| PERFECTVISION | |
| CONTACT | WIRELESS SALES |
| PHONE | (841) 887-6723 |
| EMAIL | WWW.PERFECT-VISION.COM |
| WEBSITE | WIRELESSALES@PERFECT-VISION.COM |
| SABRE INDUSTRIES, INC. | |
| CONTACT | ANGIE WELCH |
| PHONE | (866) 428-6937 |
| EMAIL | AKWELCH@SABREINDUSTRIES.COM |
| WEBSITE | WWW.SABRESITESOLUTIONS.COM |
| SITE PRO 1 | |
| CONTACT | PAULA BOSWELL |
| PHONE | (972) 236-9843 |
| EMAIL | PAULA.BOSWELL@VALMONT.COM |
| WEBSITE | WWW.SITEPRO1.COM |

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

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Customer: Loyalty through Client Satisfaction
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AS SHOWN
DATE: 03/27/2024
PROJECT: 2077270A

| REV | DATE | DESCRIPTION | BY | CHK |
|-----|---------|--------------------|-----|-----|
| 1 | 4/2/24 | ISSUED FOR PERMITS | PLC | SK |
| 0 | 2/23/24 | CONSTRUCTION | PLC | SK |

Tagi Krawczyk - Civil Engineer
No. 24274
Date: 2/23/24

IF THE SIGNATURE OF ANY PERSON, OR THE SEAL OF ANY PROFESSION, IS USED IN CONNECTION WITH THIS DOCUMENT, IT IS HEREBY CERTIFIED THAT THE SIGNATURE AND SEAL ARE TRUE AND CORRECT AND THAT THE SIGNATURE AND SEAL ARE NOT BEING USED IN CONNECTION WITH THIS DOCUMENT.

SITE NAME:
DANBURY CT
468092

24 HOSPITAL AVE
DANBURY, CT 06810
FAIRFIELD COUNTY

MASONRY
1000 W. Main St.
New Britain, CT 06053
Phone: 862.572.0412
Fax: 862.572.1100

BILL OF MATERIALS

GENERAL NOTES

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

DESIGN LOADS

- WIND LOADS
- a. BASIC WIND SPEED (3 SECOND GUST), V = 125 MPH
 - b. EXPOSURE CATEGORY C
 - c. TOPOGRAPHIC CATEGORY I
 - d. MEAN BASE ELEVATION (AMS), = 454.3'
- ICE LOADS
- a. ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
 - b. ICE THICKNESS = 1.000 IN
- SEISMIC LOADS
- a. SEISMIC DESIGN CATEGORY 'B'
 - b. SHORT TERM MCEER GROUND MOTION, S_s = 2.23
 - c. LONG TERM MCEER GROUND MOTION, S₁ = .056

PROTECT STEEL BY ANY OTHER MEANS.

14. ALL EXISTING PAINTED GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
 - a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
 - b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
 - c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:
 - CHANNELS, ANGLES, PLATES, ETC. ASTM A36 (GR 35)
 - STEEL PIPE ASTM A53 (GR 35)
 - BOLTS ASTM A325
 - WASHERS AND LOCK WASHERS LOCKING STRUCTURAL GRADE
3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE SUFFICIENT FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED IN THE SHOP DRAWINGS. COSTS ASSOCIATED WITH THE SUBSTITUTIONS SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
 - a. SUBMIT SHOP DRAWINGS TO GREG.DUNN@COLLIERSENGINEERING.COM
 - b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BEDIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
9. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
10. FOR MEMBERS BEING REPLACED, PROVIDE NUTS, BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
11. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH TO PERMIT THE BOLT TO BE FULLY TIGHTENED TO THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
12. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
13. ALL NEW STEEL SHALL BE HOT BEDIPPED GALVANIZED FOR FULL WEATHER PROTECTION. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO

MASER
TELECOMMUNICATIONS CONSULTING CORPORATION
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|-----|---------|--------------------|-------------|------------|
| 1 | 4/2/21 | ISSUED FOR PERMITS | FAE | JK |
| 0 | 2/23/21 | CONSTRUCTION | HKC | JK |

Original signed by: [Signature]
Date: 2/23/21 10:53:00 AM

IF THE SIGNATURE OF ANY PERSON UNLESS THE AFFECTING UNDER THE DIRECTION OF THE REGISTERED PROFESSIONAL ENGINEER TO THIS DOCUMENT.

SITE NAME:
DANBURY CT
468092

24 HOSPITAL AVE
DANBURY, CT 06810
FAIRFIELD COUNTY

MODIFICATION NOTES

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MODIFICATION INSPECTION NOTES

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

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

THE MODIFICATION INSPECTION (MI) IS A VISUAL INSPECTION OF MODIFICATIONS AND A REVIEW OF CONSTRUCTION INSPECTIONS AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS COMPLETED AS SHOWN ON THE ORIGINAL DRAWINGS AND AS SHOWN ON THE MODIFICATION DRAWINGS, AS DESIGNED BY THE ENGINEER OF RECORD (EOR).

THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN. THE MI INSPECTOR TAKE A REVIEW OF THE MODIFICATION DESIGN, NOR DOES THE MI INSPECTOR TAKE RESPONSIBILITY FOR THE DESIGN. THE MI INSPECTOR SHALL VERIFY THAT THE MODIFICATION DESIGN EFFECTIVENESS AND INTEGRITY RESIDES WITH THE EOR AT ALL TIMES.

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

MI INSPECTOR

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

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

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

GENERAL CONTRACTOR

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

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

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

RECOMMENDATIONS

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

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

CORRECTION OF FAILING MIs

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

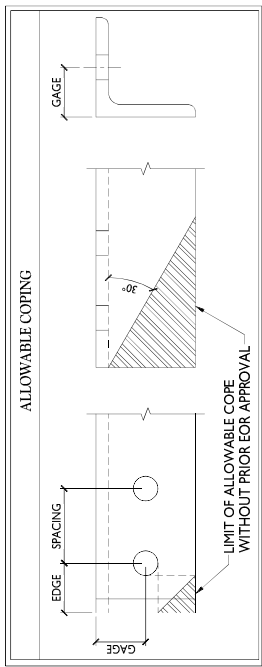
- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.

REQUIRED PHOTOS

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

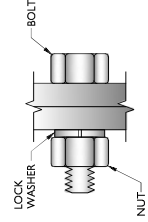
- PRE-CONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION
- RAW MATERIALS
- PHOTOS OF ALL CRITICAL DETAILS
- FOUNDATION MODIFICATIONS
- FOUNDATION MODIFICATION
- BOLT INSTALLATION
- FINAL INSTALLED CONDITION
- SURFACE COATING REPAIR
- POST CONSTRUCTION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

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



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

| WORKABLE GAGES (IN.) | |
|----------------------|-------|
| LEG | GAGE |
| 4 | 2 1/2 |
| 3 1/2 | 2 |
| 3 | 1 3/4 |
| 2 1/2 | 1 3/8 |
| 2 | 1 1/8 |

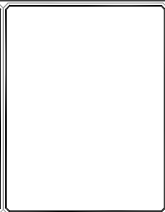


TYP. BOLT ASSEMBLY

- NOTES:**
- ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE ASC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SPACINGS AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
 - THE DIMENSIONS PROVIDED ARE MINIMUM DIMENSIONS. ALL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE ASC MINIMUM REQUIREMENTS.
 - SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS.
 - MATCH EXISTING GAGES WHEN APPLICABLE. UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.

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|------|----------|----------|------|
| 1 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 |
| 8 | 0 | 0 | 0 |
| 9 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 |



DATE: 2/27/2024 10:04:00 AM
 Raj K. Khanna, P.E.
 State of Connecticut, No. 10000, Exp. 12/31/2024

SITE NAME:
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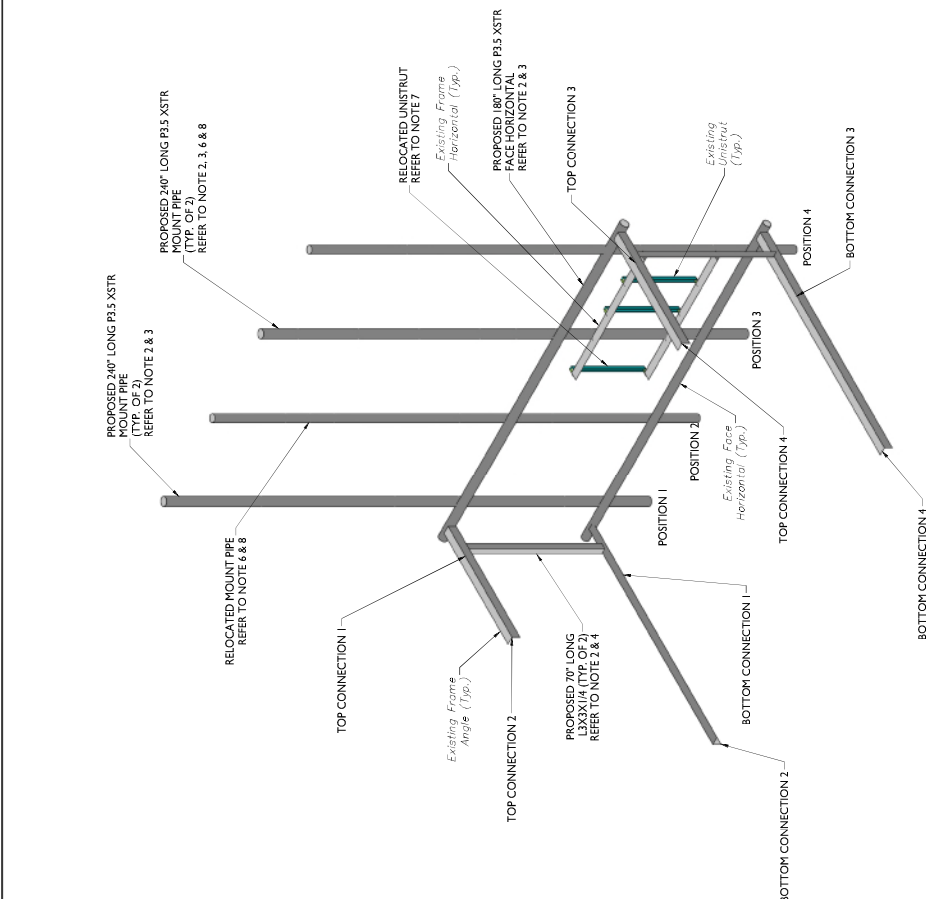
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 Date: 2022.04.13 15:45:00 -0400

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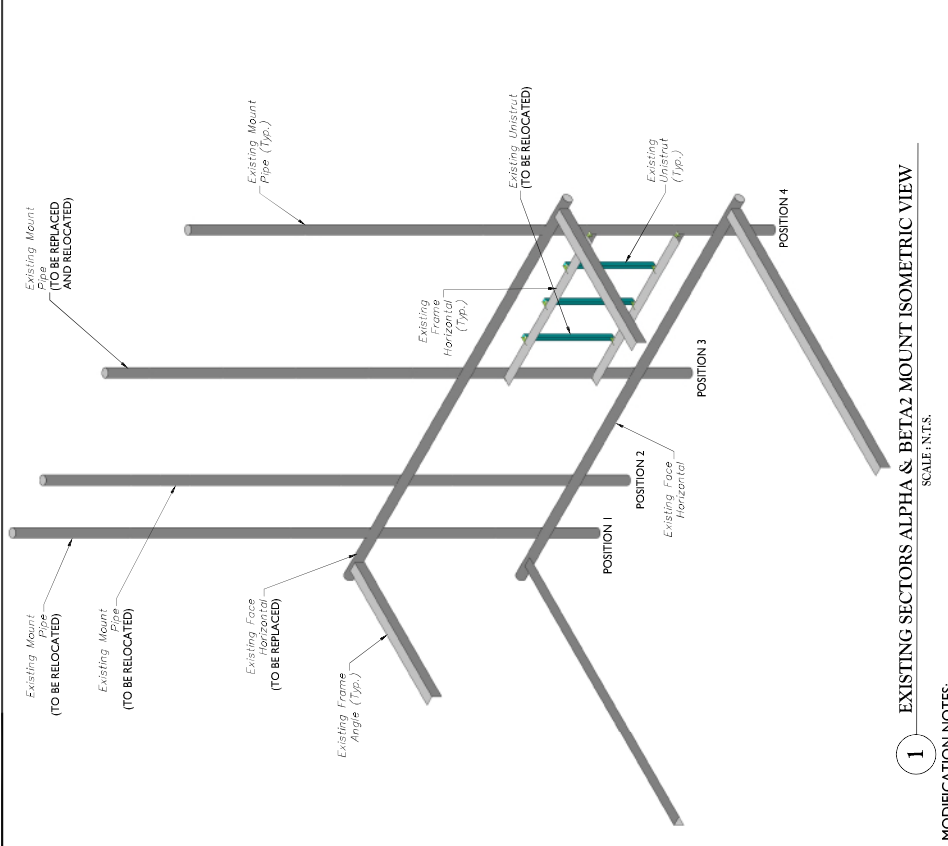
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FAIRFIELD COUNTY

MODIFICATION DETAILS



1 EXISTING SECTORS ALPHA & BETA 2 MOUNT ISOMETRIC VIEW
 SCALE: N.T.S.

- MODIFICATION NOTES:**
- MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
 - CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET S-2.
 - CONNECT PIPES UTILIZING CROSSOVER PLATES (SITE PRO 1 PART NUMBER SCX3-K AND SCX7-K)
 - ALL ANGLE CONNECTIONS TO BE (1) 1/2" A325 BOLT, REPLACE EXISTING HARDWARE AS NEEDED.
 - ALL ANGLE TO PIPE CONNECTIONS TO UTILIZE 1/2" U-BOLT, REPLACE EXISTING HARDWARE AS NEEDED.
 - CONTRACTOR SHALL RELOCATE POSITION 2 AND 3 ANTENNA MOUNT PIPES TO BE EQUALLY SPACED OR AS NECESSARY FOR PROPER ANTENNA INSTALLATION.
 - CONTRACTOR TO UTILIZE EXISTING BOLT HOLE FROM RELOCATED MOUNT PIPE FOR UNISTRUT INSTALLATION. UTILIZE EXISTING HARDWARE WHERE POSSIBLE.
 - CONNECT MOUNT PIPE TO EXISTING HORIZONTAL UTILIZING 1/2" DIA. U-BOLTS



2 PROPOSED SECTORS ALPHA & BETA MOUNT ISOMETRIC VIEW
 SCALE: N.T.S.

- MODIFICATION NOTE:**
- CONNECTION TO SUPPORTING STRUCTURE SHALL BE DESIGNED BY OTHERS USING REACTIONS LISTED ON THIS PAGE.

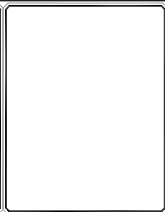
| Post Reactions | Rooftop Frame- Alpha/Beta | | | | | |
|---------------------|---------------------------|-------------|-------------|---------|---------|---------|
| | Mx (Kip-ft) | My (Kip-ft) | Mz (Kip-ft) | Fx (lb) | Fy (lb) | Fz (lb) |
| Top Connection 1 | 0.00 | 0.00 | 0.00 | 1287.91 | 2075.92 | 2608.18 |
| Top Connection 2 | 0.00 | 0.00 | 0.00 | 526.98 | 875.66 | 13.74 |
| Top Connection 3 | 0.00 | 0.00 | 0.00 | 2860.46 | 2982.56 | 2529.25 |
| Top Connection 4 | 0.00 | 0.00 | 0.00 | 1282.13 | 1295.31 | 13.74 |
| Bottom Connection 1 | 0.00 | 0.00 | 0.00 | 1623.92 | 2239.13 | 1011.65 |
| Bottom Connection 2 | 0.00 | 0.00 | 0.00 | 885.19 | 417.70 | 45.18 |
| Bottom Connection 3 | 0.00 | 0.00 | 0.00 | 886.79 | 1161.59 | 721.93 |
| Bottom Connection 4 | 0.00 | 0.00 | 0.00 | 118.41 | 195.31 | 45.18 |



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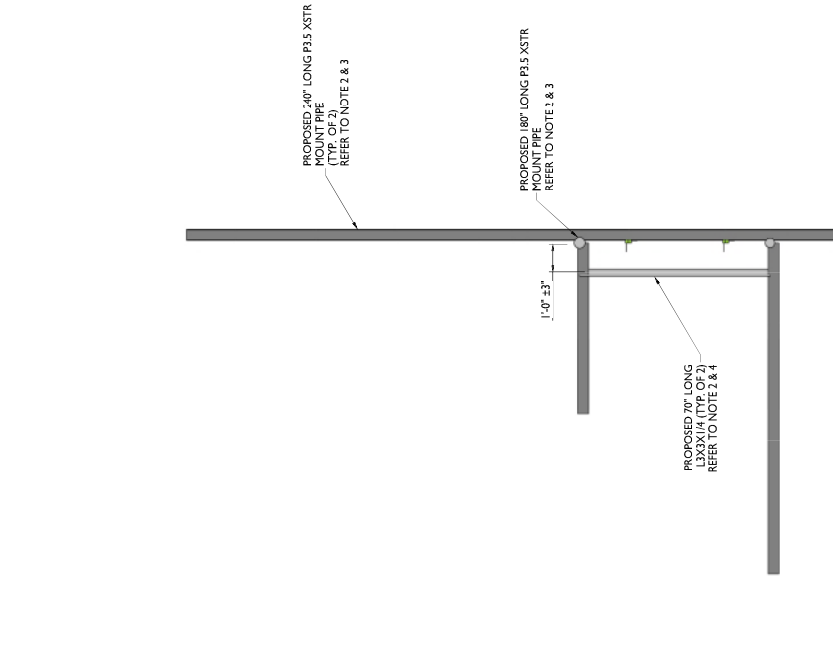
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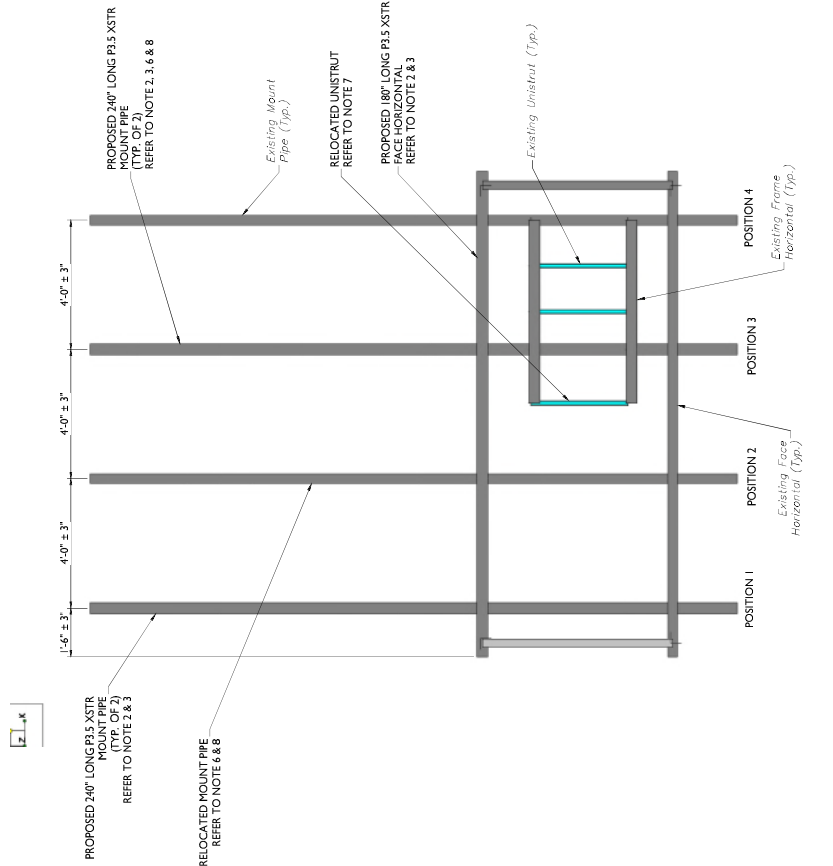


MODIFICATION DETAILS

S-6



2 PROPOSED SECTORS ALPHA & BETA SIDE ELEVATION
 SCALE: N.T.S.



1 PROPOSED SECTORS ALPHA & BETA FRONT ELEVATION
 SCALE: N.T.S.

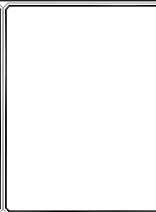
MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. CONNECT PIPES UTILIZING CROSSOVER PLATES (SITE PRO 1 PART NUMBER SCX3-K AND SCX7-K)
4. ALL ANGLE CONNECTIONS TO BE (1) 1/2" A325 BOLT, REPLACE EXISTING HARDWARE AS NEEDED.
5. ALL ANGLE TO PIPE CONNECTIONS TO UTILIZE 1/2" U-BOLT, REPLACE EXISTING HARDWARE AS NEEDED.
6. CONTRACTOR SHALL RELOCATE POSITION 2 AND 3 ANTENNA MOUNT PIPES TO BE EQUALLY SPACED OR AS NECESSARY FOR PROPER ANTENNA INSTALLATION.
7. CONTRACTOR TO UTILIZE EXISTING BOLT HOLE FROM RELOCATED MOUNT PIPE FOR UNISTRUT INSTALLATION. UTILITZE EXISTING HARDWARE WHERE POSSIBLE.
8. CONNECT MOUNT PIPE TO EXISTING HORIZONTAL UTILIZING 1/2" DIA. U-BOLTS

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| 0 | 3/23/21 | FOR CONSULTATION | PHC | BK |
| | | ISSUED FOR PERMITS | PLC | BK |

Digitally signed by Tadi Krawaliga-Ghuliani
 DN: cn=Tadi Krawaliga-Ghuliani, o=MASER, ou=Engineering, email=tadi.krawaliga@maser.com

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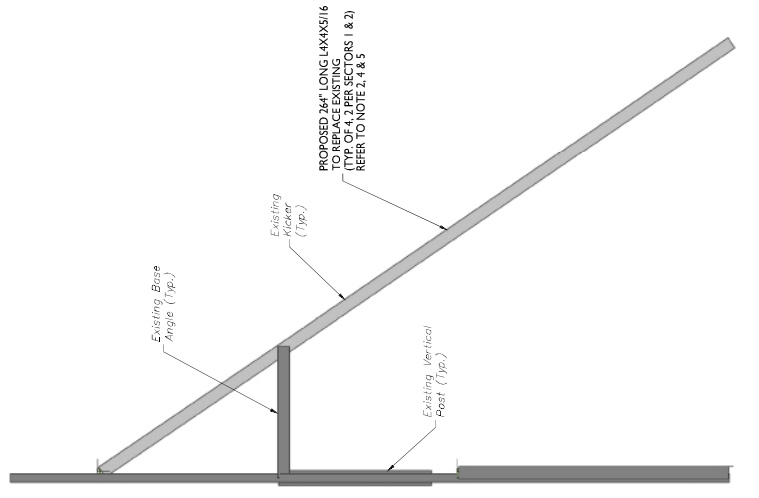
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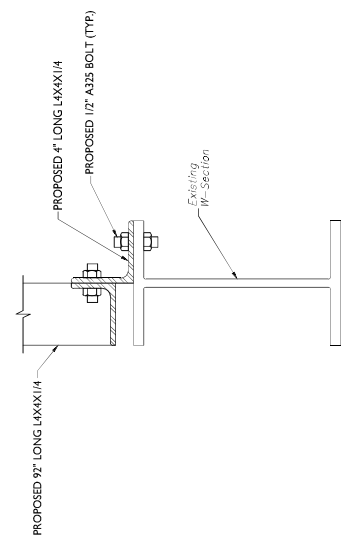
MODIFICATION DETAILS

DATE: 2/22/21

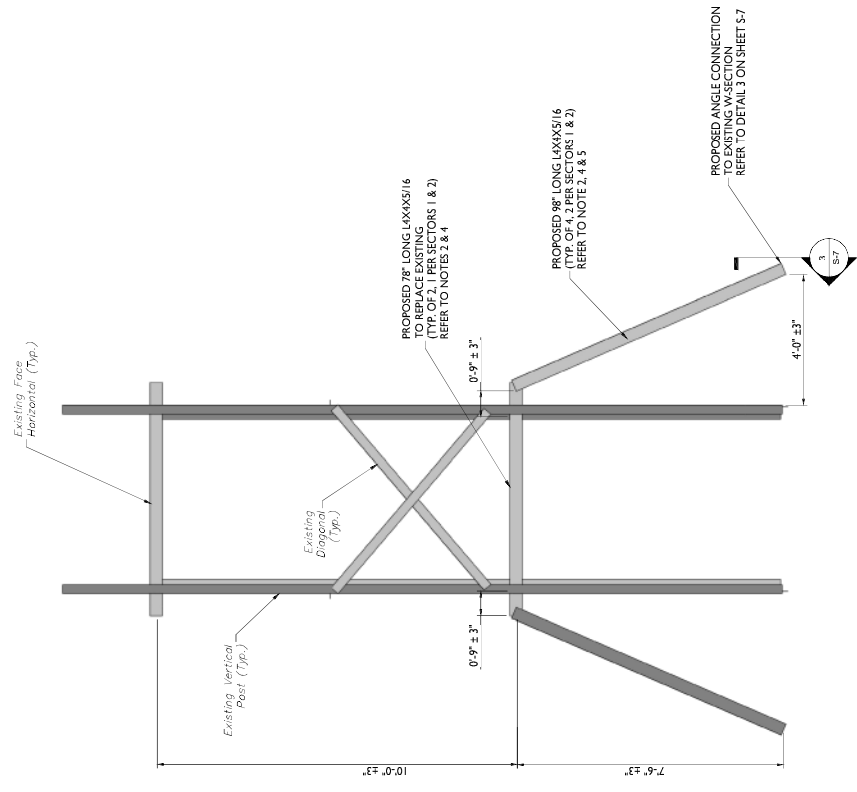
BY: S-7



2 PROPOSED SECTOR GAMMA FRONT ELEVATION
 SCALE: N.T.S.



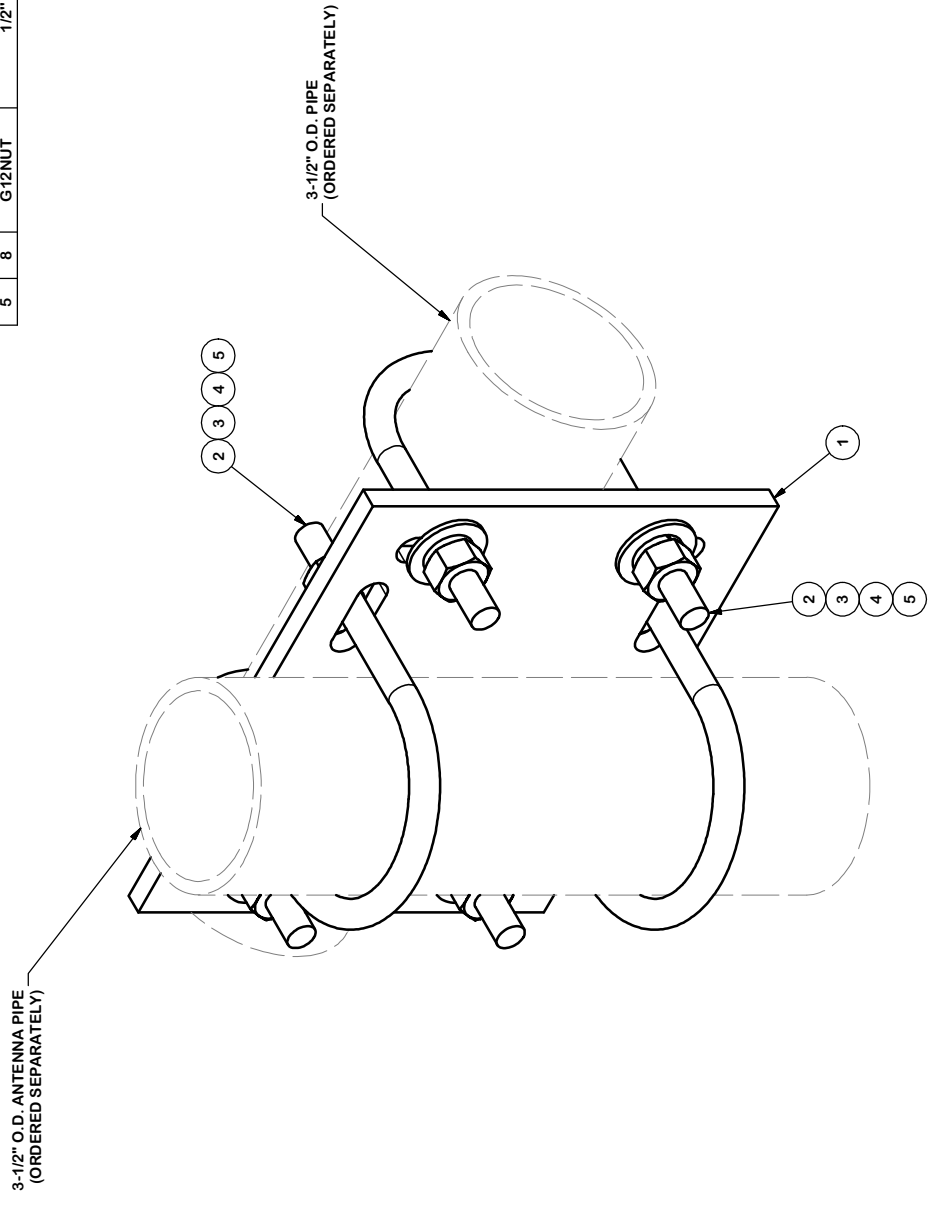
3 PROPOSED KICKER CONNECTION DETAIL
 SCALE: N.T.S.



3 PROPOSED SECTOR GAMMA SIDE ELEVATION
 SCALE: N.T.S.

- MODIFICATION NOTES:**
1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
 2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET S-2.
 3. CONNECT PIPES UTILIZING CROSSOVER PLATES (SITE PRO | PART NUMBER SCX3-K AND SCX7-K)
 4. ALL ANGLE CONNECTIONS TO BE (1) 1/2\"/>

| PARTS LIST | | | | | | |
|-------------|-----|----------|---|----------|----------|---------|
| ITEM | QTY | PART NO. | PART DESCRIPTION | LENGTH | UNIT WT. | NET WT. |
| 1 | 1 | SCX3 | CROSSOVER PLATE | 9 1/4 in | 7.19 | 7.19 |
| 2 | 4 | X-UB1358 | 1/2" X 3-5/8" X 5-1/2" X 3" U-BOLT (HDG.) | | 0.66 | 2.63 |
| 3 | 8 | G12FW | 1/2" HDG USS FLATWASHER | | 0.03 | 0.27 |
| 4 | 8 | G12LW | 1/2" HDG LOCKWASHER | | 0.01 | 0.11 |
| 5 | 8 | G12NUT | 1/2" HDG HEAVY 2H HEX NUT | | 0.07 | 0.57 |
| TOTAL WT. # | | | | | 11.23 | |



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Los Angeles, CA
Plymouth, IN
Houston, TX
Dallas, TX

Engineering
Support Team:
1-888-753-7446

DESCRIPTION: CROSSOVER PLATE

CPD NO. DRAWN BY: CEK 7/1/2011
CLASS: 81 SUB: 01

ENG. APPROVAL: [Signature]

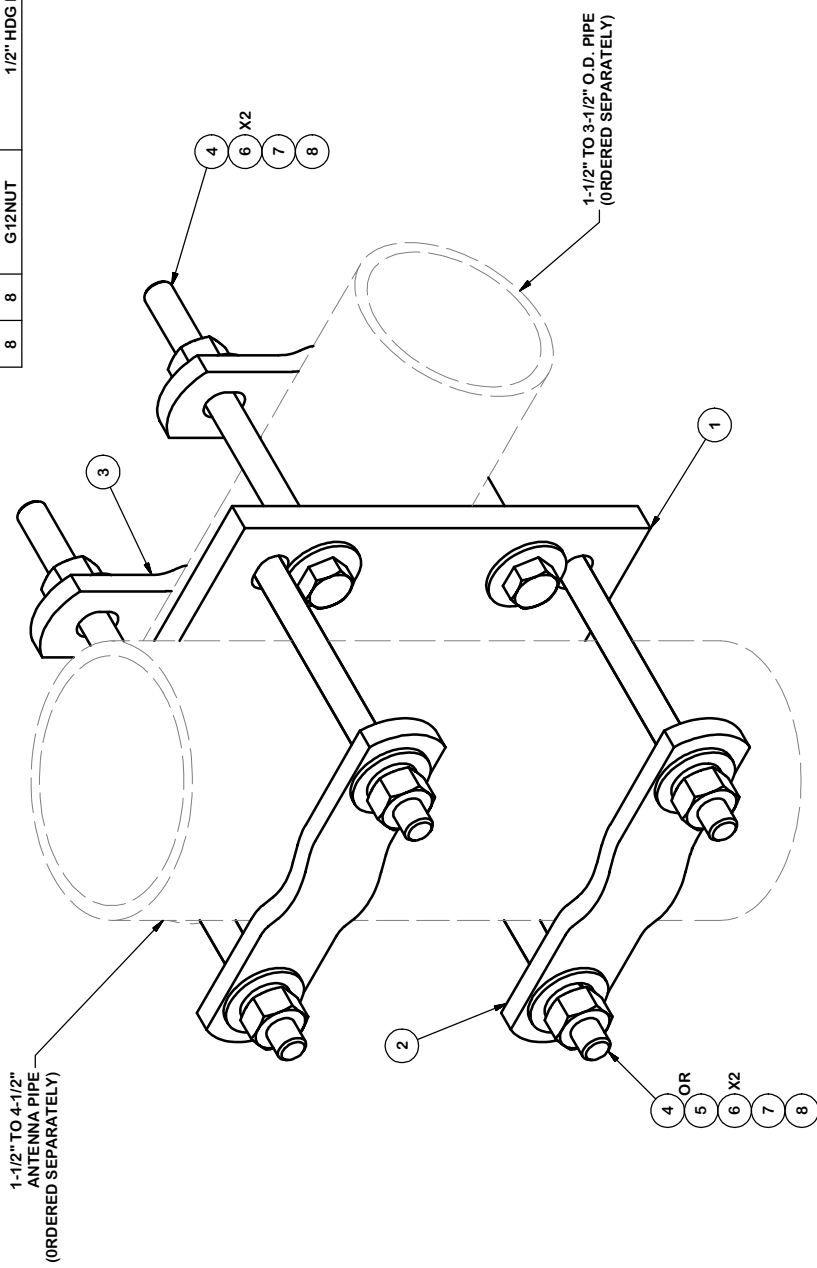
PART NO. SCX3-K
DWG. NO. SCX3-K

CHECKED BY: BMC 7/1/2011

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

PROPRIETARY NOTE: DIMENSIONS 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.

| PARTS LIST | | | | | | |
|------------|-----|----------|--|----------|-------------|---------|
| ITEM | QTY | PART NO. | PART DESCRIPTION | LENGTH | UNIT WT. | NET WT. |
| 1 | 1 | SCX7 | CROSSOVER PLATE | 8 in | 7.55 | 7.55 |
| 2 | 2 | X-115765 | 5" V-CLAMP | | 1.02 | 2.04 |
| 3 | 2 | X-100064 | CLAMP (S) (4" V-CLAMP) GALVANIZED | | 0.91 | 1.83 |
| 4 | 8 | G12065 | 1/2" x 6-1/2" HDG HEX BOLT GR5 FULL THREAD | 6 1/2 in | 0.41 | 3.28 |
| 5 | 4 | G12045 | 1/2" x 4.5" HDG HEX BOLT GR5 FULL THREAD | 4 1/2 in | 0.30 | 1.19 |
| 6 | 16 | G12FW | 1/2" HDG USS FLATWASHER | | 0.03 | 0.54 |
| 7 | 8 | G12LW | 1/2" HDG LOCKWASHER | | 0.01 | 0.11 |
| 8 | 8 | G12NUT | 1/2" HDG HEAVY 2H HEX NUT | | 0.07 | 0.57 |
| | | | | | TOTAL WT. # | 16.98 |



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

| | | |
|-------------|---------------------------------|---------------|
| DESCRIPTION | CROSSOVER PLATE (V-CLAMP STYLE) | |
| CPD NO. | DRAWN BY | ENG. APPROVAL |
| | CEK | 10/7/2010 |
| CLASS | DRAWING USAGE | CHECKED BY |
| 81 | CUSTOMER | BMC |
| SUB | | 10/8/2010 |
| 01 | | |

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

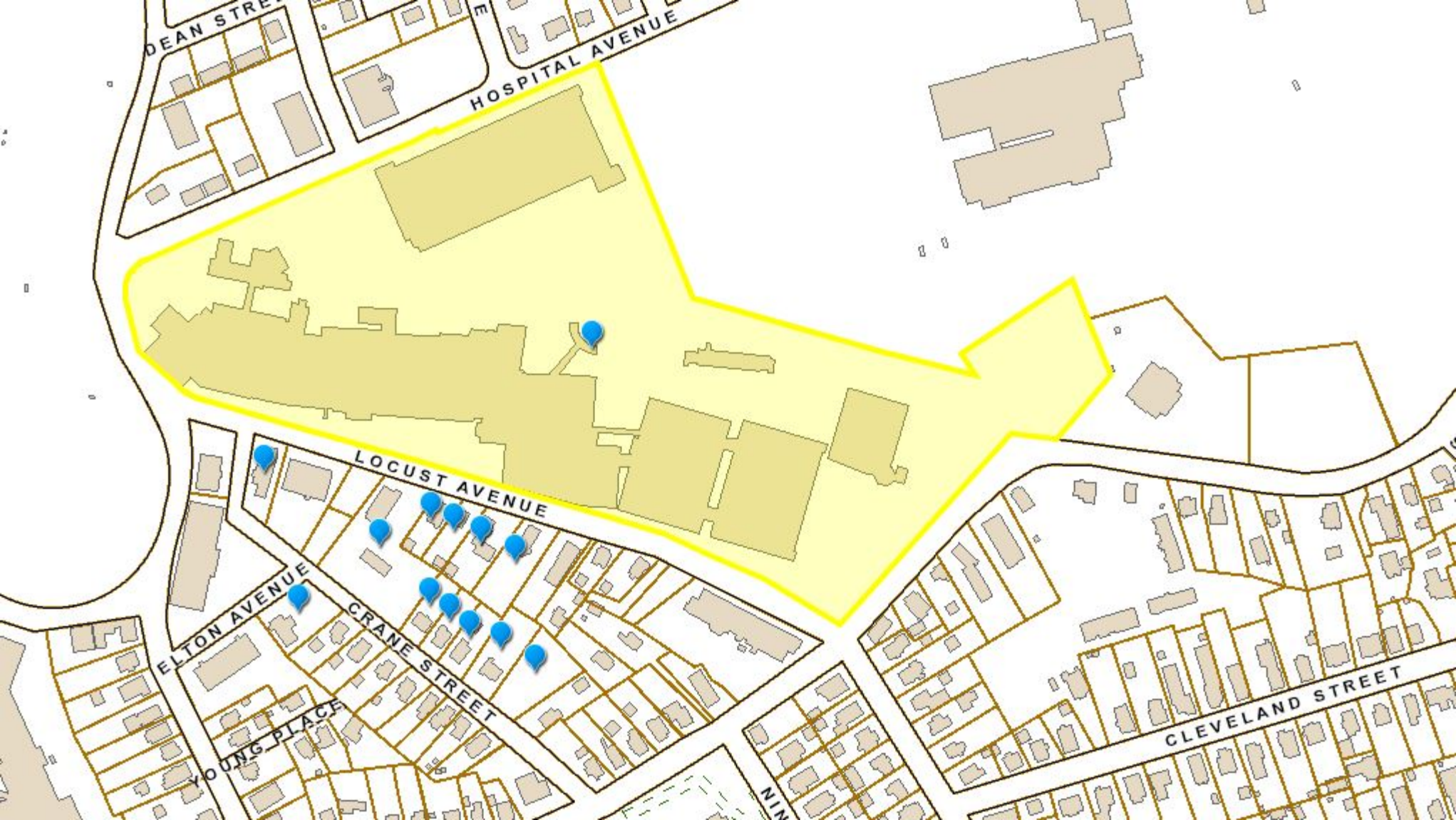
Engineering Support Team:
 1-888-653-7446

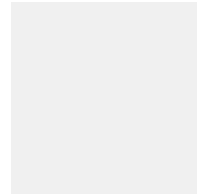
SCX7-U

SCX7-U

PAGE 1 OF 1

ATTACHMENT 5





Danbury,CT

LOCUST AV

Location

LOCUST AV

Mblu

I12 / / 1 / /

Acct#

Owner

DANBURY HOSPITAL

Assessment

\$256,676,700

Appraisal

\$366,680,100

PID

24190

Building Count

16

Assessing District

Current Value

Appraisal

| Valuation Year | Improvements | Land | Total |
|----------------|---------------|--------------|---------------|
| 2020 | \$308,036,700 | \$58,643,400 | \$366,680,100 |

Assessment

| Valuation Year | Improvements | Land | Total |
|----------------|---------------|--------------|---------------|
| 2020 | \$215,626,300 | \$41,050,400 | \$256,676,700 |

Owner of Record**Owner** DANBURY HOSPITAL**Co-Owner****Address** 24 HOSPITAL AVE
DANBURY, CT 06810**Sale Price** \$0**Book & Page** 0679/0464**Sale Date** 05/26/1983**Instrument**

Ownership History

Ownership History

| Owner | Sale Price | Book & Page | Instrument | Sale Date |
|------------------|------------|-------------|------------|------------|
| DANBURY HOSPITAL | \$0 | 0679/0464 | | 05/26/1983 |

Building Information

Building 1 : Section 1

Year Built: 1970**Living Area:** 295,646**Replacement Cost:** \$72,929,305**Building Percent Good:** 72**Replacement Cost****Less Depreciation:** \$52,509,100

Building Attributes

| Field | Description |
|-------|-------------|
| STYLE | Hospital |

ATTACHMENT 6



DANBURY
Certificate of Mailing — Firm

| | | | |
|--|--|--|--|
| Name and Address of Sender Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103 | TOTAL NO. of Pieces Listed by Sender <div style="font-size: 2em; font-weight: bold;">3</div> | TOTAL NO. of Pieces Received at Post Office™ <div style="font-size: 2em; font-weight: bold;">3</div> | Affix Stamp Here <i>Postmark with Date of Receipt.</i> <div style="text-align: right; color: red;"> <p>neopostTM 08/06/2021 US POSTAGE \$002.89⁰</p> <p>ZIP 06103 041L12203937</p> </div> |
| Postmaster, per (name of receiving employee) <div style="font-size: 2em; font-weight: bold;">VP</div> | | | |

| USPS® Tracking Number Firm-specific Identifier | Address (Name, Street, City, State, and ZIP Code™) | Postage | Fee | Special Handling | Parcel Airlift |
|---|--|---------|-----|------------------|----------------|
| 1. | Joseph M. Cavo, Mayor City of Danbury 155 Deer Hill Avenue Danbury, CT 06810 | | | | |
| 2. | Sharon Calitro, AICP, Director Planning and Zoning City of Danbury 155 Deer Hill Avenue Danbury, CT 06810 | | | | |
| 3. | Danbury Hospital 24 Hospital Avenue Danbury, CT 06810 | | | | |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |

