

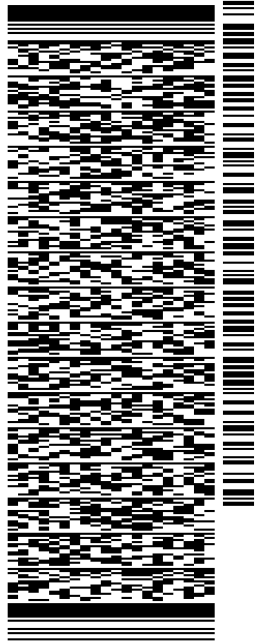
ORIGIN ID:FOXA (781) 392-7547
KATIE ADAMS
NB+C
100 APOLLO DRIVE
SUITE 303
CHELMSFORD, MA 01824
UNITED STATES US

SHIP DATE: 26AUG22
ACTWGT: 3.00 LB
CAD: 256217876/INET4530
BILL SENDER

TO **MELANIE A. BACHMAN**
CONNECTICUT SITING COUNCIL
10 FRANKLIN SQUARE

NEW BRITAIN CT 06051

(860) 827-2935 REF: 100788 - CSC
INV: DEPT:
PO:

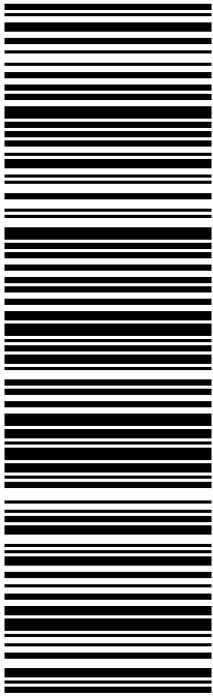


581J2F39D/FE2D

TRK# 7777 7552 1514
0201

MON - 29 AUG 4:30P
STANDARD OVERNIGHT

XE BDLA
06051
CT-US BDL



After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.



1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

Phone: (314) 513-0147
www.crowncastle.com

August 24th, 2022

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

**RE: Notice of Exempt Modification for Verizon Wireless
Crown Site ID#876320; Verizon Site ID#468756
528 Wheelers Farm Road., MILFORD, CT 06460
Latitude: 41° 14' 54.27204"/ Longitude: -73° 4' 44.69484"**

Dear Ms. Bachman:

Verizon currently maintains (15) antennas at the 110-foot mounts on the existing 120-foot Monopole Tower located at 528 Wheelers Farm Road., MILFORD. The property is owned by Village Foundation, INC and the Tower by Crown Castle. Verizon now intends to replace six (6) antennas. This modification/proposal includes hardware that is both 4G(LTE) and 5G capable through remote software configuration and either or both services may be turned on or off at various times.

Planned Modifications:

Tower:

REMOVE AND REPLACE

(4) Antel LPA-80063/4CF Antennas (**REMOVE**), (2) DB846F65ZAXY antennas (**REMOVE**),
(3) Samsung MT6407-77A Antennas with integrated RRHs (**REPLACE**)

Ground:

N/A

The Facility was approved by the City of Milford by way of a Special Permit Amendment on March 4, 1997.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. §16-50j-72(b)(2). In accordance with R.C.S.A. §16-50j-73, a copy of this letter is being sent to Benjamin G. Blake, Mayor of the City of Milford, David B. Sulkis, City Planner for City of Milford, property owner, Village Foundation, Inc, and Crown Castle, the tower owner.

1. The proposed modifications will not result in an increase in the height of the existing tower.
2. The proposed modifications will not require the extension of the site boundary.



1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

Phone: (314) 513-0147
www.crowncastle.com

3. The proposed modification will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communication Commission safety standard.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading.

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



1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

Phone: (314) 513-0147
www.crowncastle.com

Sincerely,

Sincerely,
Katie Adams
Crown Castle, Agent for Verizon Wireless
kadams@nbcllc.com
(781) 392-7547

cc:

Benjamin G. Blake, Mayor
110 River Street
Milford, CT 06460
(203) 783- 3201
(Via Fedex)

David B Sulkis, City Planner
70 West River Street
Milford, CT 06460
(203) 783- 3245
(Via Fedex)

Village Foundation, Inc.
528 Wheelers Farm Road
Milford, CT 06461
(203) 877-0300
(Via Fedex)

Crown Castle, Tower Owner

Katie Adams

From: TrackingUpdates@fedex.com
Sent: Friday, August 26, 2022 9:43 AM
To: Katie Adams
Subject: FedEx Shipment 777766293900: Your package has been delivered



Hi. Your package was
delivered Fri, 08/26/2022 at
9:36am.



Delivered to 528 WHEELERS FARMS RD, MILFORD, CT 06461
Received by [I.VANA](#)

OBTAIN PROOF OF DELIVERY

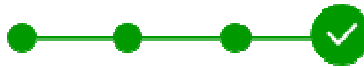
| | |
|------------------------|--|
| TRACKING NUMBER | 777766293900 |
| FROM | NB+C 100 Apollo Drive Suite 303 CHELMSFORD, MA, US, 01824 |
| TO | Village Foundation, Inc. 528 Wheelers Farm Road MILFORD, CT, US, 06461 |
| REFERENCE | 100788 - CSC |

Katie Adams

From: TrackingUpdates@fedex.com
Sent: Friday, August 26, 2022 10:03 AM
To: Katie Adams
Subject: FedEx Shipment 777766283998: Your package has been delivered



Hi. Your package was
delivered Fri, 08/26/2022 at
9:54am.

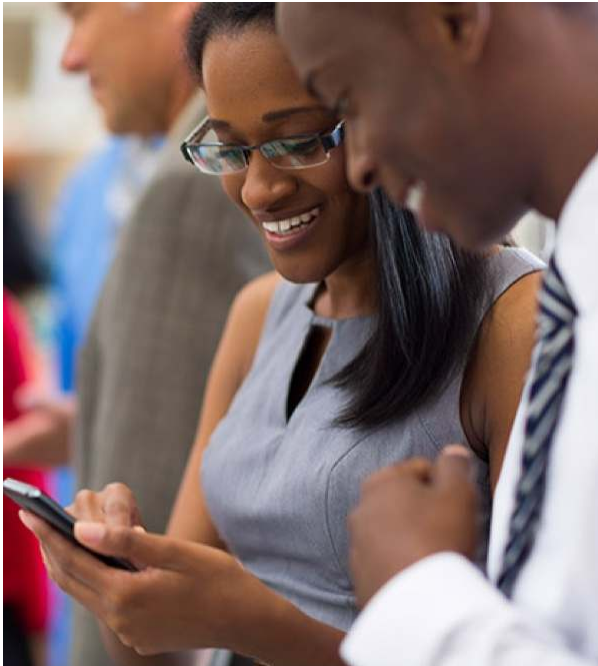


Delivered to 110 RIVER ST, MILFORD, CT 06460
Received by L.DICOCCO

OBTAIN PROOF OF DELIVERY

| | |
|------------------------|--|
| TRACKING NUMBER | 777766283998 |
| FROM | NB+C 100 Apollo Drive Suite 303 CHELMSFORD, MA, US, 01824 |
| TO | Benjamin G. Blake, Mayor 110 River Street MILFORD, CT, US, 06460 |
| REFERENCE | 100788 - CSC |

SHIPPER REFERENCE 100788 - CSC
SHIP DATE Thu 8/25/2022 06:42 PM
DELIVERED TO Receptionist/Front Desk
PACKAGING TYPE FedEx Pak
ORIGIN CHELMSFORD, MA, US, 01824
DESTINATION MILFORD, CT, US, 06460
SPECIAL HANDLING Deliver Weekday
NUMBER OF PIECES 1
TOTAL SHIPMENT WEIGHT 2.00 LB
SERVICE TYPE FedEx Priority Overnight



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- **Download now.**



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All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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Thank you for your business.

Katie Adams

From: TrackingUpdates@fedex.com
Sent: Friday, August 26, 2022 10:31 AM
To: Katie Adams
Subject: FedEx Shipment 777766272063: Your package has been delivered



Hi. Your package was
delivered Fri, 08/26/2022 at
10:20am.



Delivered to 70 W RIVER ST, MILFORD, CT 06460

OBTAIN PROOF OF DELIVERY

| | |
|--------------------------|--|
| TRACKING NUMBER | 777766272063 |
| FROM | NB+C 100 Apollo Drive Suite 303 CHELMSFORD, MA, US, 01824 |
| TO | David B Sulkis, City Planner 70 West River Street MILFORD, CT, US, 06460 |
| REFERENCE | 100788 - CSC |
| SHIPPER REFERENCE | 100788 - CSC |

Exhibit A

Original Facility Approval



City of Milford, Connecticut

THIS IS TO CERTIFY THAT Sprint PCS

WAS GRANTED A SPECIAL PERMIT AMENDMENT

BY THE MILFORD PLANNING & ZONING BOARD ON MARCH 4, 1997

FOR PROPERTY LOCATED AT 528 WHEELERS FARMS ROAD

MAP 104 BLOCK 915 PARCEL 13

IN THE CITY OF MILFORD, COUNTY OF NEW HAVEN, STATE OF CONNECTICUT

FOR WHICH VILLAGE FOUNDATION, INC. ARE THE OWNERS.

THE SPECIAL PERMIT AMENDMENT WAS GRANTED TO:

construct a 120' telecommunications monopole and antenna with ancillary support facilities, i.e., 10' graveled access drive and fenced equipment area 20' x 27', at 528 Wheelers Farms Road, aka Boys Village, parcel 13, block 915, Assessor's map 104, of which Village Foundation, Inc. is the owner. This approval shall be in accordance with plans prepared by O'Brien and Gere Engineers, Inc. Said plans consisting of three sheets, Title Sheet dated December, 1996; Site Plan dated 12/4/96; Detail Plan and Elevations dated 11/18/96. With the following stipulations: construction and site development shall comply with Inland Wetland Office letter dated 12/21/96 and Permit #IWJR96-080; Fire Department letter dated 1/21/97; Director of Public Works memo dated 2/4/97 and United Technologies Sikorsky Aircraft letter dated 4/1/97 RE: Review of Sikorsky Aircraft Corporation Flight Operations related to the proposed telecommunication monopole location.

"NO VARIANCE, SPECIAL PERMIT OR SPECIAL EXCEPTION GRANTED PURSUANT TO CHAPTER 124 OF ANY SPECIAL ACT SHALL BE EFFECTIVE UNTIL A COPY THEREOF...IS RECORDED IN THE LAND RECORDS OF THE TOWN IN WHICH SUCH PREMISES ARE LOCATED."

P.A. 75-317

RECORDED ~~5163~~ 6-12-97

CITY CLERK REC. NO. 5163

Nº 10574

PLANNING & ZONING BOARD

BY:

**WADE E. PIERCE
EXECUTIVE SECRETARY**

Exhibit B

Property Card



Property Information

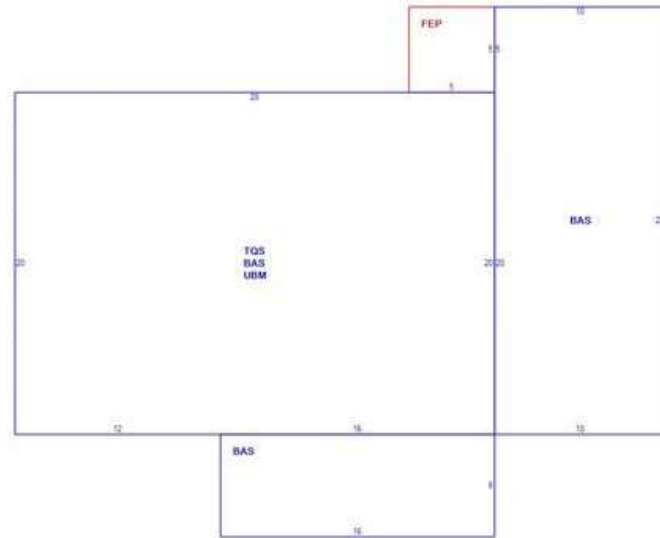
| | |
|-------------------|--|
| Property Location | 528 WHEELERS FARMS RD |
| Owner | VILLAGE FOUNDATION INC THE |
| Co-Owner | 06-00 |
| Mailing Address | 528 WHEELERS FARM RD MILFORD CT 06461 |
| Land Use | 904R PVT SCHOOL MDL-01 |
| Land Class | E |
| Zoning Code | DO25 |
| Census Tract | |

| | |
|------------------|-----------------|
| Neighborhood | GG |
| Acreage | 11.34 |
| Utilities | UNKNOWN |
| Lot Setting/Desc | UNKNOWN UNKNOWN |
| Book / Page | 00259/0563 |
| Fire District | 2 |

Photo



Sketch



Primary Construction Details

| | |
|-------------------|----------------|
| Year Built | 1900 |
| Building Desc. | PVT SCHOOL |
| Building Style | Conventional |
| Building Grade | Average |
| Stories | 2 |
| Occupancy | 1.00 |
| Exterior Walls | Vinyl Siding |
| Exterior Walls 2 | NA |
| Roof Style | Gable/Hip |
| Roof Cover | Asph/F Gls/Cmp |
| Interior Walls | Drywall/Sheet |
| Interior Walls 2 | NA |
| Interior Floors 1 | Carpet |
| Interior Floors 2 | NA |

| | |
|------------------|--------------|
| Heating Fuel | Gas |
| Heating Type | Hot Water |
| AC Type | XF Per Sq Ft |
| Bedrooms | 00 |
| Full Bathrooms | 0 |
| Half Bathrooms | 1 |
| Extra Fixtures | 0 |
| Total Rooms | 0 |
| Bath Style | Updated |
| Kitchen Style | NA |
| Fin Bsmt Area | |
| Fin Bsmt Quality | |
| Bsmt Gar | |
| Fireplaces | |

(*Industrial / Commercial Details)

| | |
|--------------------|-------------|
| Building Use | Residential |
| Building Condition | 4 |
| Sprinkler % | NA |
| Heat / AC | NA |
| Frame Type | NA |
| Baths / Plumbing | NA |
| Ceiling / Wall | NA |
| Rooms / Prtns | NA |
| Wall Height | NA |
| First Floor Use | NA |
| Foundation | NA |



City of Milford, CT

Property Listing Report

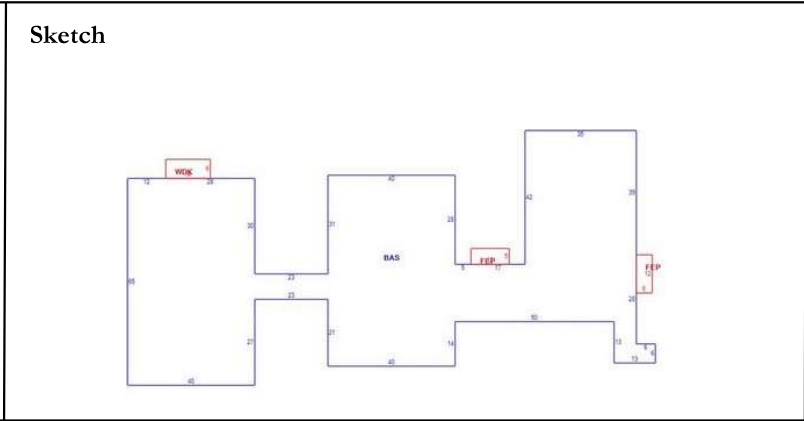
Map Block Lot **104 915 13**

Bldg # **2**

Sec # **1**

PID **21152**

Account **019893**



Primary Construction Details

| | |
|-------------------|----------------|
| Year Built | 1983 |
| Building Desc. | Commercial |
| Building Style | School/College |
| Building Grade | AVERAGE |
| Stories | 1 |
| Occupancy | 1.00 |
| Exterior Walls | Concr/Cinder |
| Exterior Walls 2 | Pre-Fab Wood |
| Roof Style | Flat |
| Roof Cover | Tar & Gravel |
| Interior Walls | Drywall/Sheet |
| Interior Walls 2 | NA |
| Interior Floors 1 | Carpet |
| Interior Floors 2 | Vinyl/Asphalt |

| | |
|------------------|----------------|
| Heating Fuel | Gas |
| Heating Type | Forced Air-Duc |
| AC Type | Central |
| Bedrooms | 0 |
| Full Bathrooms | 0 |
| Half Bathrooms | 0 |
| Extra Fixtures | 0 |
| Total Rooms | 0 |
| Bath Style | NA |
| Kitchen Style | NA |
| Fin Bsmt Area | |
| Fin Bsmt Quality | |
| Bsmt Gar | |
| Fireplaces | |

(*Industrial / Commercial Details)

| | |
|--------------------|-------------------|
| Building Use | PVT SCHOOL MDL-94 |
| Building Condition | 4 |
| Sprinkler % | NA |
| Heat / AC | HEAT/AC SPLIT |
| Frame Type | STEEL |
| Baths / Plumbing | AVERAGE |
| Ceiling / Wall | SUS-CEIL & WL |
| Rooms / Prtns | AVERAGE |
| Wall Height | 12.00 |
| First Floor Use | NA |
| Foundation | NA |

Sub Areas

| Subarea Type | Gross Area (sq ft) | Living Area (sq ft) |
|---------------------------|--------------------|---------------------|
| First Floor | 7807 | 7807 |
| Porch, Enclosed, Finished | 120 | 0 |
| Deck, Wood | 84 | 0 |
| | | |
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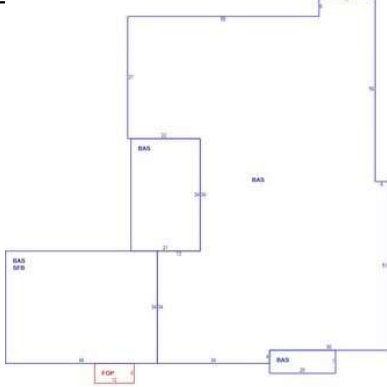
| Subarea Type | Gross Area (sq ft) | Living Area (sq ft) |
|--------------|--------------------|---------------------|
| | | |
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| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Total Area | 8011 | 7807 |



City of Milford, CT

Property Listing Report

Map Block Lot 104 915 13 Bldg # 3 Sec # 1 PID 21152 Account 019893

| | |
|---|---|
| <p>Photo</p>  | <p>Sketch</p>  |
|---|---|

Primary Construction Details

| | |
|-------------------|-------------------------|
| Year Built | 1957 |
| Building Desc. | Commercial |
| Building Style | School/College |
| Building Grade | AVERAGE |
| Stories | 1 |
| Occupancy | 1.00 |
| Exterior Walls | Concr/Cinder |
| Exterior Walls 2 | NA |
| Roof Style | Flat |
| Roof Cover | Tar & Gravel |
| Interior Walls | Minim/Masonry |
| Interior Walls 2 | Drywall/Sheet |
| Interior Floors 1 | Carpet |
| Interior Floors 2 | Vinyl/Asphalt |

| | |
|------------------|-----------------------|
| Heating Fuel | Gas |
| Heating Type | Forced Air-Duc |
| AC Type | Central |
| Bedrooms | 0 |
| Full Bathrooms | 0 |
| Half Bathrooms | 0 |
| Extra Fixtures | 0 |
| Total Rooms | 0 |
| Bath Style | NA |
| Kitchen Style | NA |
| Fin Bsmt Area | |
| Fin Bsmt Quality | |
| Bsmt Gar | |
| Fireplaces | |

(*Industrial / Commercial Details)

| | |
|--------------------|--------------------------|
| Building Use | PVT SCHOOL MDL-94 |
| Building Condition | 3 |
| Sprinkler % | NA |
| Heat / AC | NONE |
| Frame Type | STEEL |
| Baths / Plumbing | AVERAGE |
| Ceiling / Wall | CEIL & MIN WL |
| Rooms / Prtns | AVERAGE |
| Wall Height | 10.00 |
| First Floor Use | NA |
| Foundation | NA |

Sub Areas

| Subarea Type | Gross Area (sq ft) | Living Area (sq ft) | | Subarea Type | Gross Area (sq ft) | Living Area (sq ft) |
|------------------------------|--------------------|---------------------|-------------------|--------------|--------------------|---------------------|
| First Floor | 9417 | 9417 | | | | |
| Porch, Open, Finished | 72 | 0 | | | | |
| Base, SL/RR-Finished | 1564 | 0 | | | | |
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| | | | | | | |
| | | | Total Area | | 11053 | 9417 |



Primary Construction Details

| | |
|-------------------|---------------|
| Year Built | 1989 |
| Building Desc. | Commercial |
| Building Style | Auditorium |
| Building Grade | AVERAGE |
| Stories | 1 |
| Occupancy | 1.00 |
| Exterior Walls | Concr/Cinder |
| Exterior Walls 2 | NA |
| Roof Style | Flat |
| Roof Cover | Tar & Gravel |
| Interior Walls | Minim/Masonry |
| Interior Walls 2 | Drywall/Sheet |
| Interior Floors 1 | Vinyl/Asphalt |
| Interior Floors 2 | NA |

| | |
|------------------|-----------|
| Heating Fuel | Gas |
| Heating Type | Hydro-Air |
| AC Type | Central |
| Bedrooms | 0 |
| Full Bathrooms | 0 |
| Half Bathrooms | 0 |
| Extra Fixtures | 0 |
| Total Rooms | 0 |
| Bath Style | NA |
| Kitchen Style | NA |
| Fin Bsmt Area | |
| Fin Bsmt Quality | |
| Bsmt Gar | |
| Fireplaces | |

(*Industrial / Commercial Details)

| | |
|--------------------|-------------------|
| Building Use | PVT SCHOOL MDL-94 |
| Building Condition | 3 |
| Sprinkler % | NA |
| Heat / AC | HEAT/AC SPLIT |
| Frame Type | STEEL |
| Baths / Plumbing | AVERAGE |
| Ceiling / Wall | CEIL & MIN WL |
| Rooms / Prtns | AVERAGE |
| Wall Height | 20.00 |
| First Floor Use | NA |
| Foundation | NA |

Sub Areas

| Subarea Type | Gross Area (sq ft) | Living Area (sq ft) |
|-----------------------|--------------------|---------------------|
| First Floor | 13232 | 13232 |
| Porch, Open, Finished | 490 | 0 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| Subarea Type | Gross Area (sq ft) | Living Area (sq ft) |
|--------------|--------------------|---------------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Total Area | 13722 | 13232 |

Exhibit C

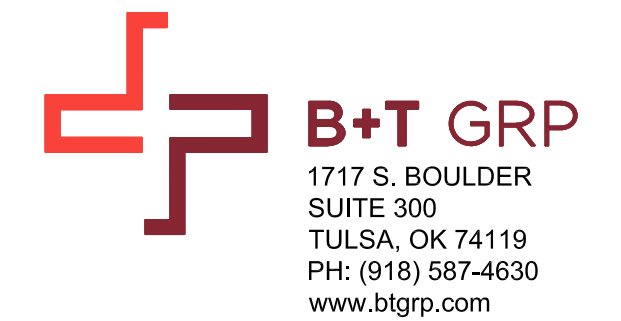
Construction Drawings



VERIZON SITE NUMBER: 468756
VERIZON SITE NAME: MILFORD NE CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 120'-0"

BUSINESS UNIT #: 876320
SITE ADDRESS: 528 WHEELERS FARM ROAD
MILFORD, CT 06460
COUNTY: NEW HAVEN
JURISDICTION: CITY OF MILFORD

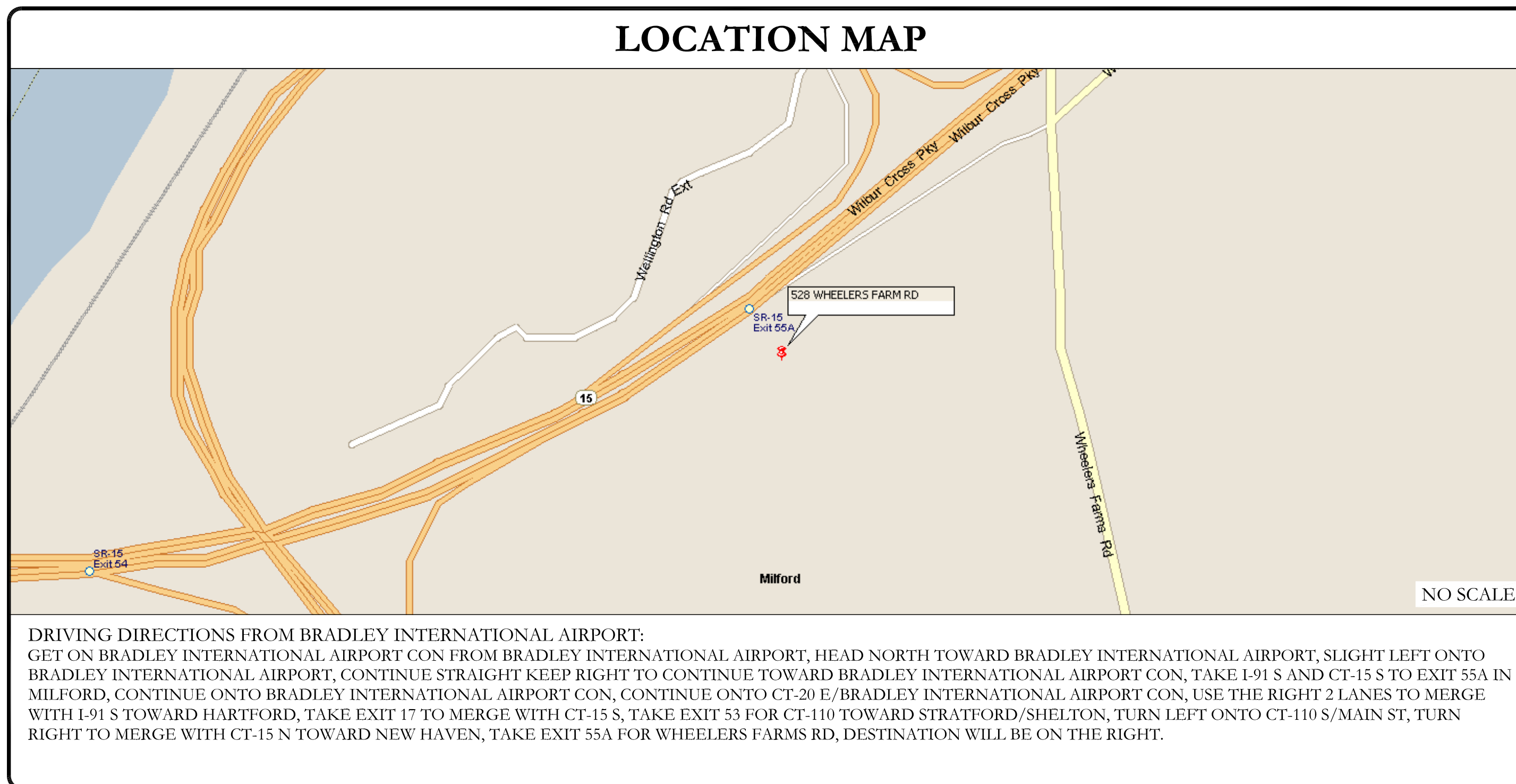
VERIZON MILFORD NE CT - L-SUB6 CARRIER ADD



| SITE INFORMATION | |
|----------------------------------|--|
| CROWN CASTLE USA INC. SITE NAME: | 528 WHEELERS FARM RD |
| SITE ADDRESS: | 528 WHEELERS FARM ROAD MILFORD, CT 06460 |
| COUNTY: | NEW HAVEN |
| MAP/PARCEL #: | 104 915 13 |
| AREA OF CONSTRUCTION: | EXISTING |
| LATITUDE: | 41.248431 |
| LONGITUDE: | -73.079075 |
| LAT/LONG TYPE: | NAD83 |
| GROUND ELEVATION: | 215' |
| CURRENT ZONING: | DO-25 |
| JURISDICTION: | CITY OF MILFORD |
| OCCUPANCY CLASSIFICATION: | U |
| TYPE OF CONSTRUCTION: | IIB |
| A.D.A. COMPLIANCE: | FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION |
| PROPERTY OWNER: | VILLAGE FOUNDATION INC THE06-00 528 WHEELERS FARM RD MILFORD, CT 06461 |
| TOWER OWNER: | CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317 |
| CARRIER/APPLICANT: | VERIZON WIRELESS 180 WASHINGTON VALLEY ROAD BEDMINSTER, NJ 07921 |
| ELECTRIC PROVIDER: | CITY OF MARLOW |
| TELCO PROVIDER: | ATT 866-620-6900 |

| DRAWING INDEX | |
|---------------|---------------------------------|
| SHEET # | SHEET DESCRIPTION |
| T-1 | TITLE SHEET |
| T-2 | GENERAL NOTES |
| C-1 | SITE PLAN |
| C-2 | TOWER ELEVATION & ANTENNA PLANS |
| C-3 | EQUIPMENT SCHEDULES |
| C-4 | EQUIPMENT DETAILS |
| C-5 | EQUIPMENT DETAILS |
| C-6 | PLUMBING DIAGRAM |
| G-1 | GROUNDING DETAILS |
| G-2 | GROUNDING DETAILS |

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR FULL SIZE. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



| APPROVALS | |
|-----------|-------|
| SIGNATURE | DATE |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

| CONTRACTOR PMI REQUIREMENTS | |
|---|---|
| PMI ACCESSED AT | https://pmi.vxwsmart.com |
| SMART TOOL VENDOR | |
| PROJECT NUMBER | 10142613 |
| VzW LOCATION CODE (PSLC) | 468756 |
| *** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT | |

| MOUNT MODIFICATION REQUIRED | N |
|--|---|
| VzW APPROVED SMART KIT VENDORS | |
| REFER TO MOUNT MODIFICATION DRAWINGS PAGE FOR VzW SMART KIT APPROVED VENDORS | |

| APPLICABLE CODES/REFERENCE DOCUMENTS | |
|---|-------------------------------|
| ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES: | |
| CODE TYPE | CODE |
| BUILDING | 2018 CONNECTICUT SBC/2015 IBC |
| MECHANICAL | 2018 CONNECTICUT SBC/2015 IMC |
| ELECTRICAL | 2018 CONNECTICUT SBC/2017 NEC |
| REFERENCE DOCUMENTS: | |
| STRUCTURAL ANALYSIS: | CROWN CASTLE |
| DATED: | 6/28/22 |
| MOUNT ANALYSIS: | MASER CONSULTING CONNECTICUT |
| DATED: | 5/24/22 |
| RFDS REVISION: | - |
| DATED: | 5/16/22 |
| ORDER ID: | 623006 |
| REVISION: | 0 |

| PROJECT DESCRIPTION |
|---|
| THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY. |
| TOWER SCOPE OF WORK: |
| <ul style="list-style-type: none"> REMOVE (6) ANTENNAS INSTALL (3) ANTENNAS |
| NOTE: PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER |

| PROJECT TEAM | |
|--|--|
| A&E FIRM: | B+T GROUP 1717 S. BOULDER AVE. TULSA, OK 74119 MARVIN PHILLIPS marvin.phillips@btgrp.com |
| CROWN CASTLE USA INC. DISTRICT CONTACTS: | 3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065 WILLIAM GATES - PROJECT MANAGER WILLIAM.GATES@CROWNCastle.COM JASON D'AMICO - CONSTRUCTION MANAGER JASON.DIAMICO@CROWNCastle.COM |
| VERIZON CONTACT: | ANDREW LEONE ALEONE@STRUCTURECONSULTING.NET |

VERIZON SITE NUMBER: 468756
BU #: 876320
528 WHEELERS FARM RD
528 WHEELERS FARM ROAD
MILFORD, CT 06460
EXISTING 120'-0" MONOPOLE

| ISSUED FOR: | | | | |
|-------------|---------|------|--------------|---------|
| REV | DATE | DRWN | DESCRIPTION | DES./QA |
| 0 | 7/14/22 | GAC | CONSTRUCTION | MTJ |
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B&T ENGINEERING, INC.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

| SHEET NUMBER: | REVISION: |
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CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

- NOTICE TO PROCEED-- NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800-788-7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
- "LOOK UP" - CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENT:
THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
- PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
- ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND CROWN CASTLE USA INC. STANDARD CED--STD--10253, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA--322 (LATEST EDITION).
- ALL SITE WORK TO COMPLY WITH QAS--STD--10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE," CED--STD--10294 "STANDARD FOR INSTALLATION OF MOUNTS AND APPURTENANCES," AND LATEST VERSION OF ANSI/TIA--1019--A--2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS." IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY CROWN CASTLE USA INC. PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
- ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
- ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
- CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, TOWER OWNER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES.
- THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
- THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
- THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
- THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
- CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
- THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
- CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
- NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GREENFIELD GROUNDING NOTES:

- ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
- THE CONTRACTOR SHALL PERFORM IEEE FALL--OF--POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS. THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
- METAL CONDUIT AND TRAY SHALL BE GROUNDING AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
- METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
- EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
- CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
- ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
- ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
- USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
- COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
- ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
- APPROVED ANTI-OXIDANT COATINGS (I.E. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
- MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
- BOND ALL METALLIC OBJECTS WITHIN 6 FT OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
- GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (I.E., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
- ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON-METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD--WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
- BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY).

GENERAL NOTES:

- FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION
CARRIER: VERIZON
TOWER OWNER: CROWN CASTLE USA INC.
- THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.
- THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.
- NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.
- SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.
- PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CROWN CASTLE.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND CROWN CASTLE PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
- CONTRACTOR IS TO PERFORM A SITE INVESTIGATION AND IS TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN DRAWINGS.
- THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF CROWN CASTLE USA INC.
- CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST--IN--PLACE CONCRETE.
- UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°f AT TIME OF PLACEMENT.
- CONCRETE EXPOSED TO FREEZE--THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER--TO--CEMENT RATIO (W/C) OF 0.45.
- ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:
#4 BARS AND SMALLER.....40 ksi
#5 BARS AND LARGER.....60 ksi
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.....3"
CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 BARS AND LARGER.....2"
#5 BARS AND SMALLER.....1-1/2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
SLAB AND WALLS.....3/4"
BEAMS AND COLUMNS.....1-1/2"
- A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

ELECTRICAL INSTALLATION NOTES:

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
- CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
- WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
- ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
- EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR--CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
- ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (I.E. PANEL BOARD AND CIRCUIT ID'S).
- PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
- ALL THE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
- ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN--2, XHHW, XHHW--2, THW, THW--2, RHW, OR RHW--2 INSULATION UNLESS OTHERWISE SPECIFIED.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN--2, XHHW, XHHW--2, THW, THW--2, RHW, OR RHW--2 INSULATION UNLESS OTHERWISE SPECIFIED.
- POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI--CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
- POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI--CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN--2, XHHW, XHHW--2, THW, THW--2, RHW, OR RHW--2 INSULATION UNLESS OTHERWISE SPECIFIED.
- ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP--STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
- RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEC AND NEC.
- ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
- ELECTRICAL METALLIC TUBING (EMT) OR METAL--CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
- LIQUID--TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID--TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION--TYPE AND APPROVED FOR THE LOCATION USED. SET SLOTTED FITTINGS AS FURNISHED.
- CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEC AND THE NEC.
- WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOULD SPECMATE WIREWAY).
- SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
- CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON--PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (I.E. POWDER--ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKOUT ON OUTSIDE AND INSIDE.
- EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY--COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3R (OR BETTER) FOR EXTERIOR LOCATIONS.
- METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY--COATED OR NON--CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
- NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
- THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR CROWN CASTLE USA INC. BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
- THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
- INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "VERIZON".
- ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

| CONDUCTOR COLOR CODE | | |
|----------------------|-----------|------------------|
| SYSTEM | CONDUCTOR | COLOR |
| 120/240V, 1Ø | A PHASE | BLACK |
| | B PHASE | RED |
| | NEUTRAL | WHITE |
| | GROUND | GREEN |
| 120/208V, 3Ø | A PHASE | BLACK |
| | B PHASE | RED |
| | C PHASE | BLUE |
| | NEUTRAL | WHITE |
| 277/480V, 3Ø | GROUND | GREEN |
| | A PHASE | BROWN |
| | B PHASE | ORANGE OR PURPLE |
| | C PHASE | YELLOW |
| DC VOLTAGE | NEUTRAL | GREY |
| | GROUND | GREEN |
| | POS (+) | RED** |
| | NEG (-) | BLACK** |

* SEE NEC 210.5(C)(1) AND (2)
** POLARITY MARKED AT TERMINATION

ABBREVIATIONS:

- ANT ANTENNA
- (E) EXISTING
- FIF FACILITY INTERFACE FRAME
- GEN GENERATOR
- GPS GLOBAL POSITIONING SYSTEM
- GSM GLOBAL SYSTEM FOR MOBILE
- LTE LONG TERM EVOLUTION
- MGB MASTER GROUND BAR
- MW MICROWAVE
- (N) NEW
- NEC NATIONAL ELECTRIC CODE
- (P) PROPOSED
- PP POWER PLANT
- QTY QUANTITY
- RECT RECTIFIER
- RBS RADIO BASE STATION
- RET REMOTE ELECTRIC TILT
- RFDS RADIO FREQUENCY DATA SHEET
- RRH REMOTE RADIO HEAD
- RRU REMOTE RADIO UNIT
- SIAD SMART INTEGRATED DEVICE
- TMA TOWER MOUNTED AMPLIFIER
- TYP TYPICAL
- UMTS UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
- W.P. WORK POINT

APWA UNIFORM COLOR CODE:


- WHITE PROPOSED EXCAVATION
- PINK TEMPORARY SURVEY MARKINGS
- RED ELECTRIC POWER LINES, CABLES, CONDUIT, AND LIGHTING CABLES
- YELLOW GAS, OIL, STEAM, PETROLEUM, OR GASEOUS MATERIALS
- ORANGE COMMUNICATION, ALARM OR SIGNAL LINES, CABLES, OR CONDUIT AND TRAFFIC LOOPS
- BLUE POTABLE WATER
- PURPLE RECLAIMED WATER, IRRIGATION, AND SLURRY LINES
- GREEN SEWERS AND DRAIN LINES



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CLIFTON PARK, NY 12065



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SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
www.btgrp.com

VERIZON SITE NUMBER:
468756

BU #: **876320**


528 WHEELERS FARM RD

528 WHEELERS FARM ROAD
MILFORD, CT 06460

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | DES./QA |
|-----|---------|------|--------------|---------|
| 0 | 7/14/22 | GAC | CONSTRUCTION | MTJ |
| | | | | |
| | | | | |
| | | | | |



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SHEET NUMBER: **T-2** REVISION: **0**

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EXISTING 120'-0" MONOPOLE

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | DES./QA |
|-----|---------|------|--------------|---------|
| 0 | 7/14/22 | GAC | CONSTRUCTION | MTJ |
| | | | | |
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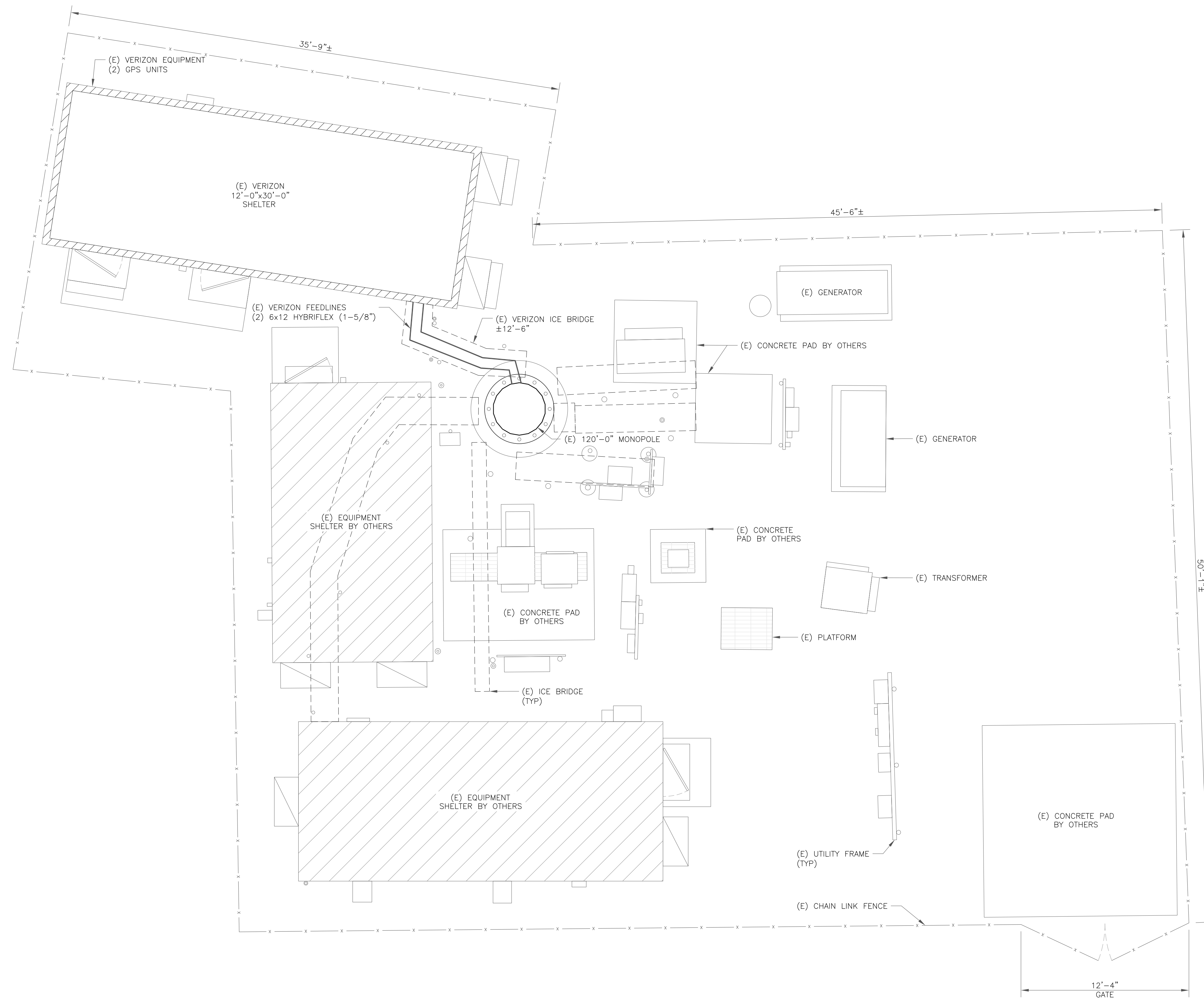
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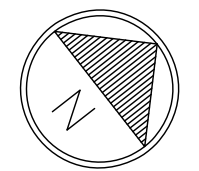
C-1

REVISION:

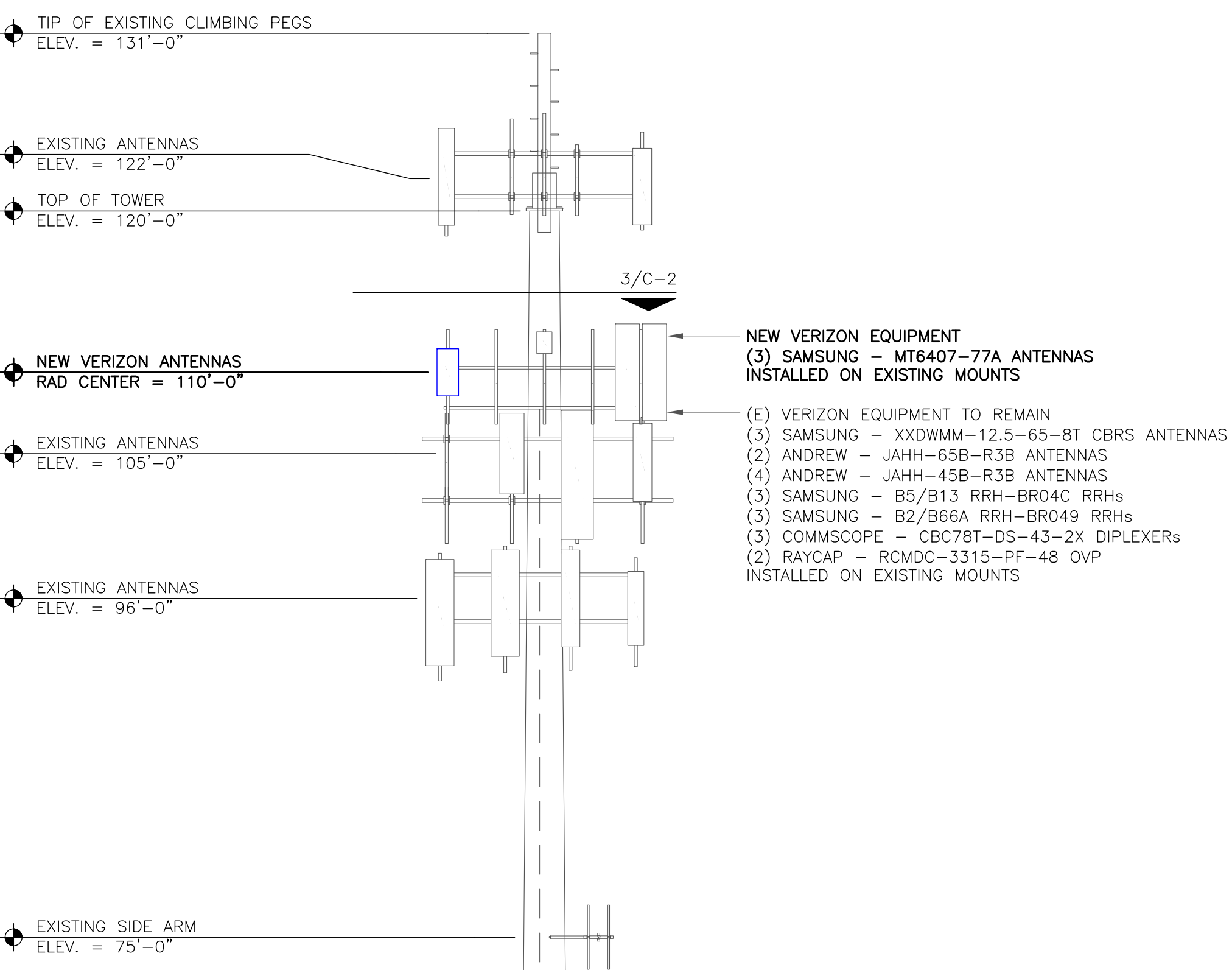
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1 SITE PLAN
SCALE: 1/4"=1'-0" (FULL SIZE)
1/8"=1'-0" (11x17)



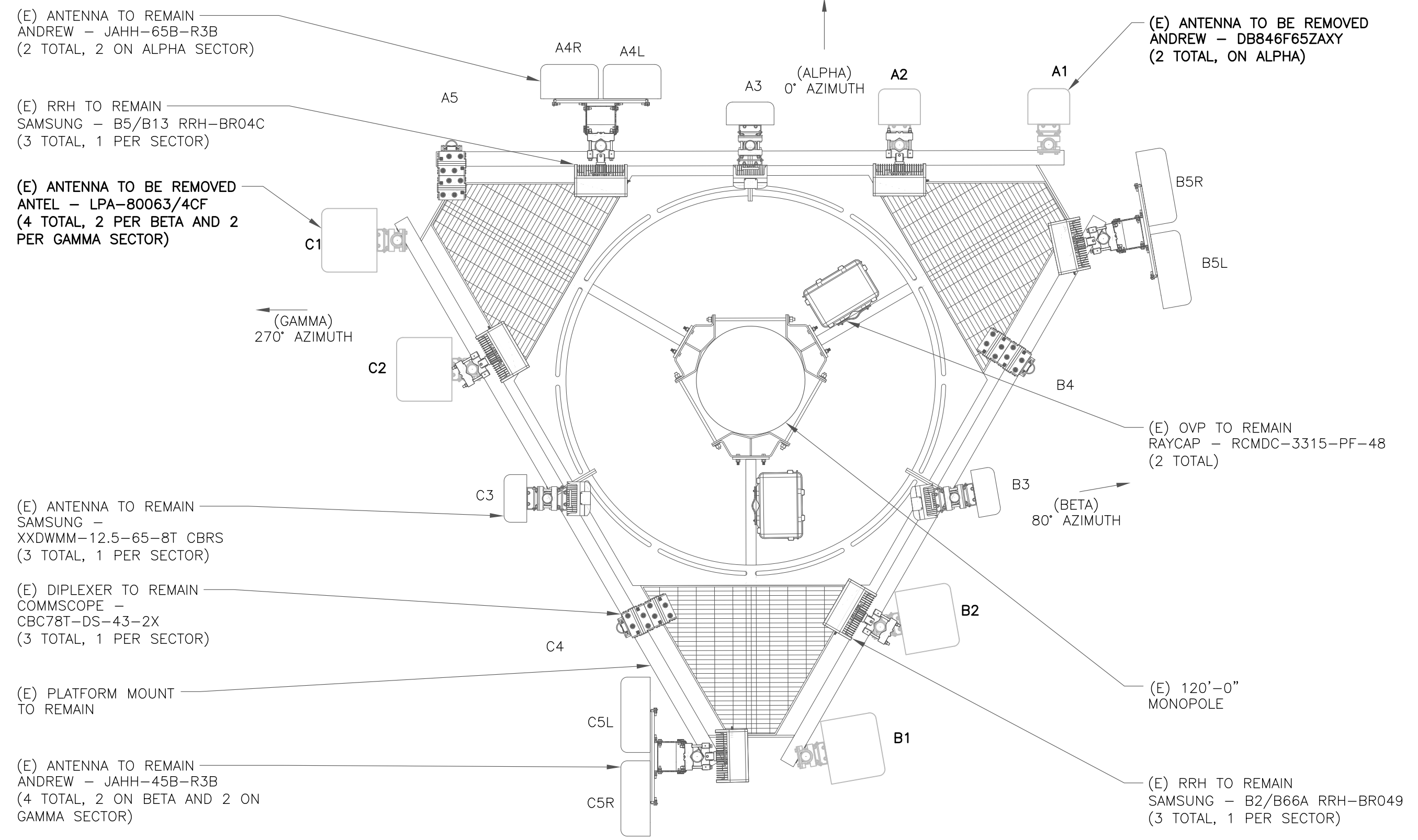
80703.01.01_876320_WHEELERS_FARM_RD.dwg - Sheet C-1 - User: mjonas - Jul 14, 2022 - 3:53pm



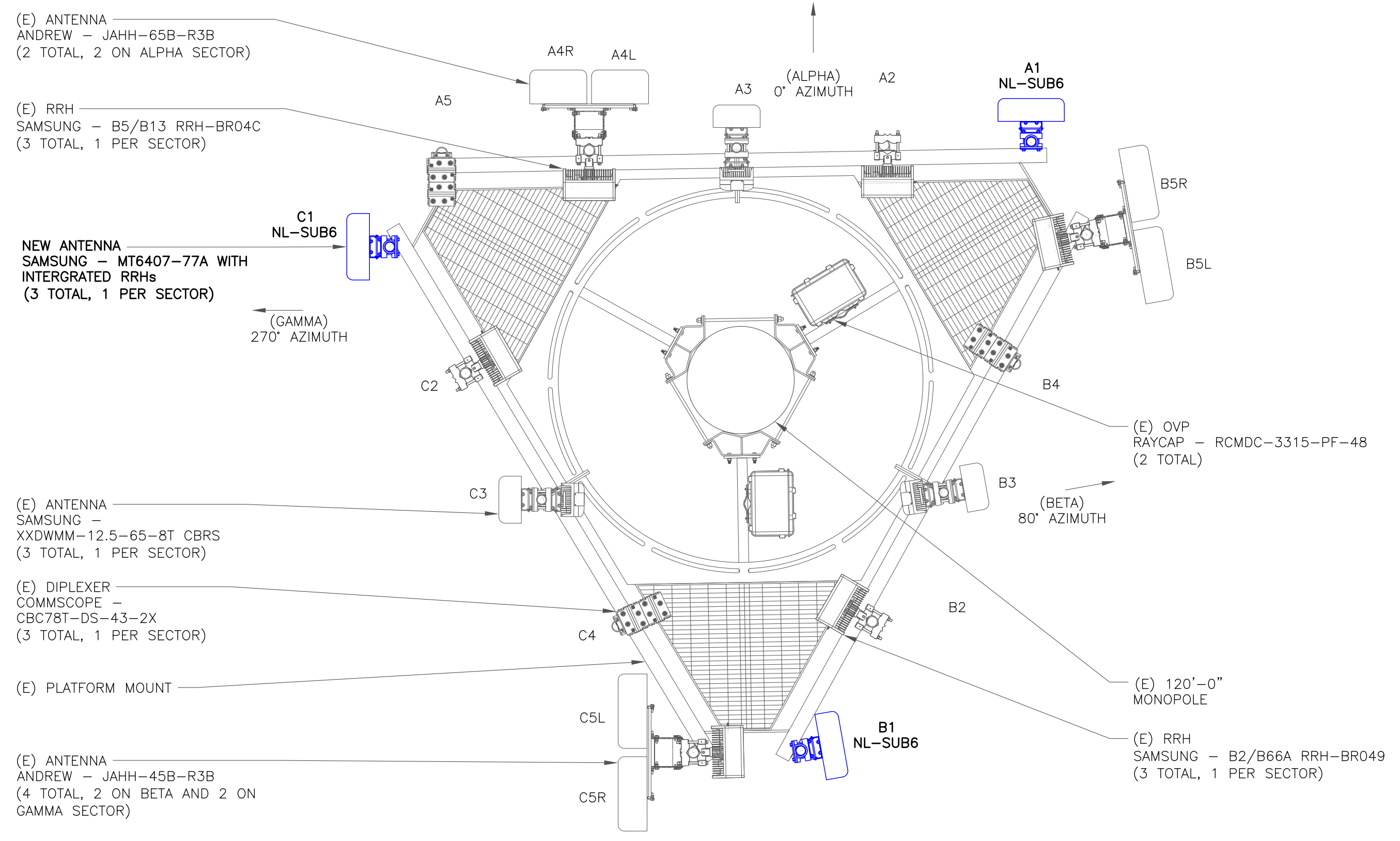
- NEW VERIZON EQUIPMENT**
 (3) SAMSUNG - MT6407-77A ANTENNAS
 INSTALLED ON EXISTING MOUNTS
- (E) VERIZON EQUIPMENT TO REMAIN
 (3) SAMSUNG - XXDWM-12.5-65-8T CBRS ANTENNAS
 (2) ANDREW - JAHH-65B-R3B ANTENNAS
 (4) ANDREW - JAHH-45B-R3B ANTENNAS
 (3) SAMSUNG - B5/B13 RRH-BR04C RRHs
 (3) SAMSUNG - B2/B66A RRH-BR049 RRHs
 (3) COMMSCOPE - CBC78T-DS-43-2X DIPLEXERS
 (2) RAYCAP - RCMDC-3315-PF-48 OVP
 INSTALLED ON EXISTING MOUNTS

VERIZON EQUIPMENT
 ANTENNA CL: 110'-0"
 MOUNT CL: 108'-0"

1 TOWER ELEVATION
 SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
 SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
 SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
468756

BU #: **876320**
528 WHEELERS FARM RD

528 WHEELERS FARM ROAD
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EXISTING 120'-0" MONOPOLE

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | DES./QA |
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| 0 | 7/14/22 | GAC | CONSTRUCTION | MTJ |
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SHEET NUMBER: **C-2** REVISION: **0**

80703.01.01_876320_WHEELERS_FARM_RD.dwg - Sheet-C-2 - User: mjonas - Jul 14, 2022 - 3:53pm

VERIZON SITE NUMBER:
468756

BU #: **876320**
528 WHEELERS FARM RD

528 WHEELERS FARM ROAD
 MILFORD, CT 06460

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | DES./QA |
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SHEET NUMBER: **C-3** REVISION: **0**

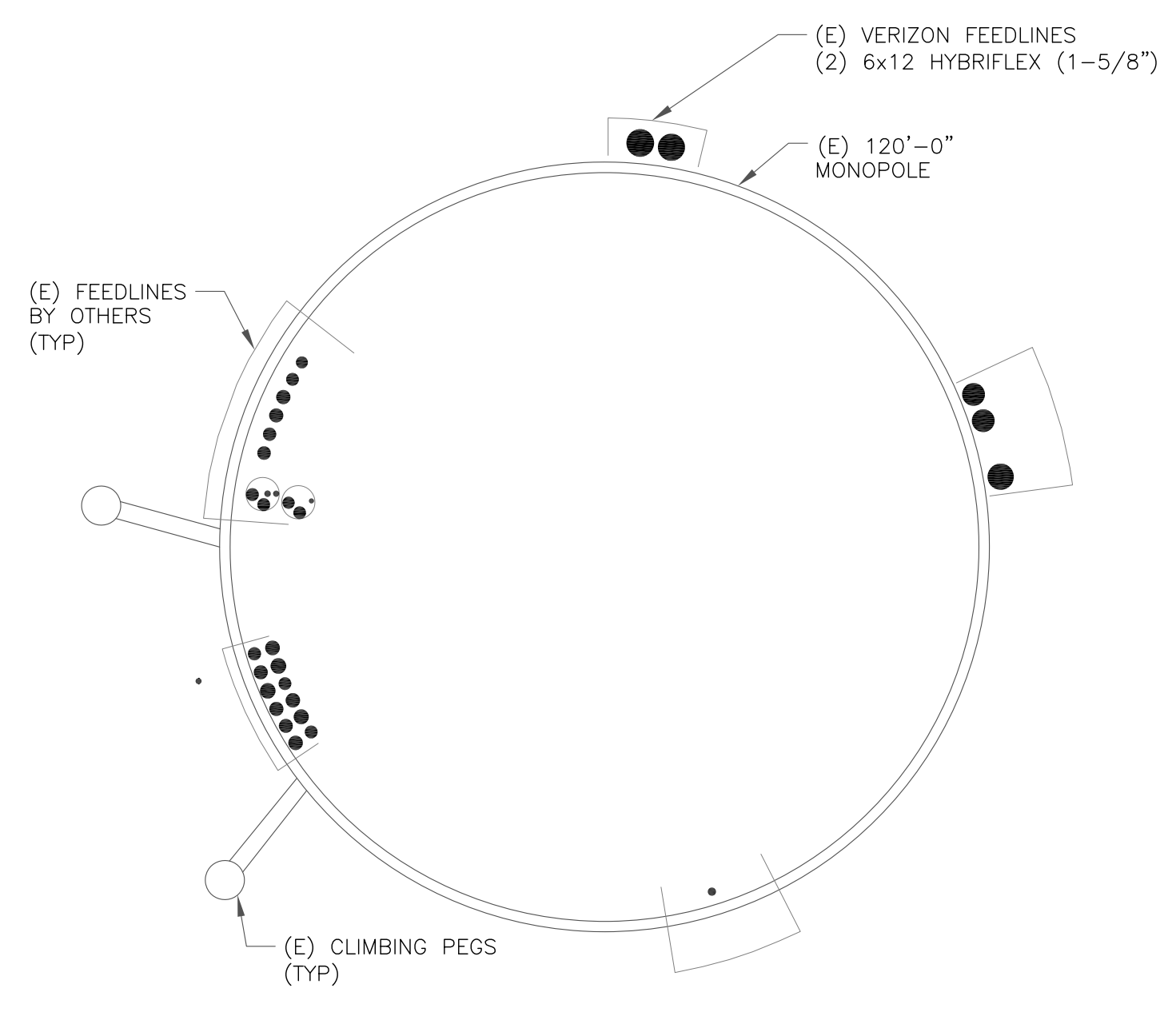
ANTENNA/RRH SCHEDULE

| SECTOR | STATUS | ANTENNA MANUFACTURER | ANTENNA MODEL | ANTENNA CENTERLINE | AZIMUTH | MECHANICAL DOWNTILTS | ELECTRICAL DOWNTILTS | TOWER EQUIPMENT MANUFACTURER | TOWER EQUIPMENT QTY/MODEL |
|--------|----------|----------------------|-----------------------|--------------------|---------|----------------------|----------------------|------------------------------|---------------------------|
| A1 | NEW | SAMSUNG | MT6407-77A | 110'-0" | 0° | 0° | 6' | - | INTERGRATED WITHIN |
| A2 | - | - | - | - | - | - | - | RAYCAP | (1) RCMD-3315-PF-48 |
| A3 | EXISTING | SAMSUNG | XXDWM-12.5-65-8T CBRS | 111'-10" | 0° | 0° | 8' | SAMSUNG | (1) CBRS RRH - RT4401-48A |
| A4L | EXISTING | ANDREW | JAHH-65B-R3B | 110'-0" | 0° | 0° | 4'/4'/4'/2'/2' | SAMSUNG | (1) B5/B13 RRH-BR04C |
| A4R | EXISTING | ANDREW | JAHH-65B-R3B | 110'-0" | 0° | 0° | 4'/4'/4'/2'/2' | SAMSUNG | (1) B2/B66A RRH-BR049 |
| A5 | - | - | - | - | - | - | - | COMMSCOPE | (1) CBC78T-DS-43-2X |
| | | | | | | | | | |
| B1 | NEW | SAMSUNG | MT6407-77A | 110'-0" | 80° | 0° | 6' | - | INTERGRATED WITHIN |
| B2 | - | - | - | - | - | - | - | RAYCAP | (1) RCMD-3315-PF-48 |
| B3 | EXISTING | SAMSUNG | XXDWM-12.5-65-8T CBRS | 111'-10" | 80° | 0° | 8' | SAMSUNG | (1) CBRS RRH - RT4401-48A |
| B4 | - | - | - | - | - | - | - | COMMSCOPE | (1) CBC78T-DS-43-2X |
| B6L | EXISTING | ANDREW | JAHH-45B-R3B | 110'-0" | 80° | 0° | 7'/7'/7'/4'/4' | SAMSUNG | (1) B5/B13 RRH-BR04C |
| B5R | EXISTING | ANDREW | JAHH-45B-R3B | 110'-0" | 80° | 0° | 7'/7'/7'/4'/4' | SAMSUNG | (1) B2/B66A RRH-BR049 |
| | | | | | | | | | |
| C1 | NEW | SAMSUNG | MT6407-77A | 110'-0" | 270° | 0° | 6' | - | INTERGRATED WITHIN |
| C2 | - | - | - | - | - | - | - | RAYCAP | (1) RCMD-3315-PF-48 |
| C3 | EXISTING | SAMSUNG | XXDWM-12.5-65-8T CBRS | 111'-10" | 270° | 0° | 8' | SAMSUNG | (1) CBRS RRH - RT4401-48A |
| C4 | - | - | - | - | - | - | - | COMMSCOPE | (1) CBC78T-DS-43-2X |
| C5L | EXISTING | ANDREW | JAHH-45B-R3B | 110'-0" | 270° | 0° | 7'/7'/7'/4'/4' | SAMSUNG | (1) B5/B13 RRH-BR04C |
| C5R | EXISTING | ANDREW | JAHH-45B-R3B | 110'-0" | 270° | 0° | 7'/7'/7'/4'/4' | SAMSUNG | (1) B2/B66A RRH-BR049 |

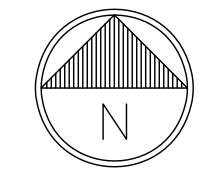
1 VERIZON TOWER EQUIPMENT SCHEDULE
 SCALE: NOT TO SCALE

CABLE SCHEDULE

| STATUS | CABLE TYPE | SIZE | LENGTH | QTY |
|------------------|------------|--------|----------|-----|
| EXISTING | HYBRID | 1-5/8" | 164'-0"± | 2 |
| TOTAL CABLE QTY: | | | | 2 |



2 BASE LEVEL DETAIL
 SCALE: NOT TO SCALE



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 www.btgrp.com

VERIZON SITE NUMBER:
468756

BU #: **876320**
528 WHEELERS FARM RD

528 WHEELERS FARM ROAD
 MILFORD, CT 06460

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | DES./QA |
|-----|---------|------|--------------|---------|
| 0 | 7/14/22 | GAC | CONSTRUCTION | MTJ |
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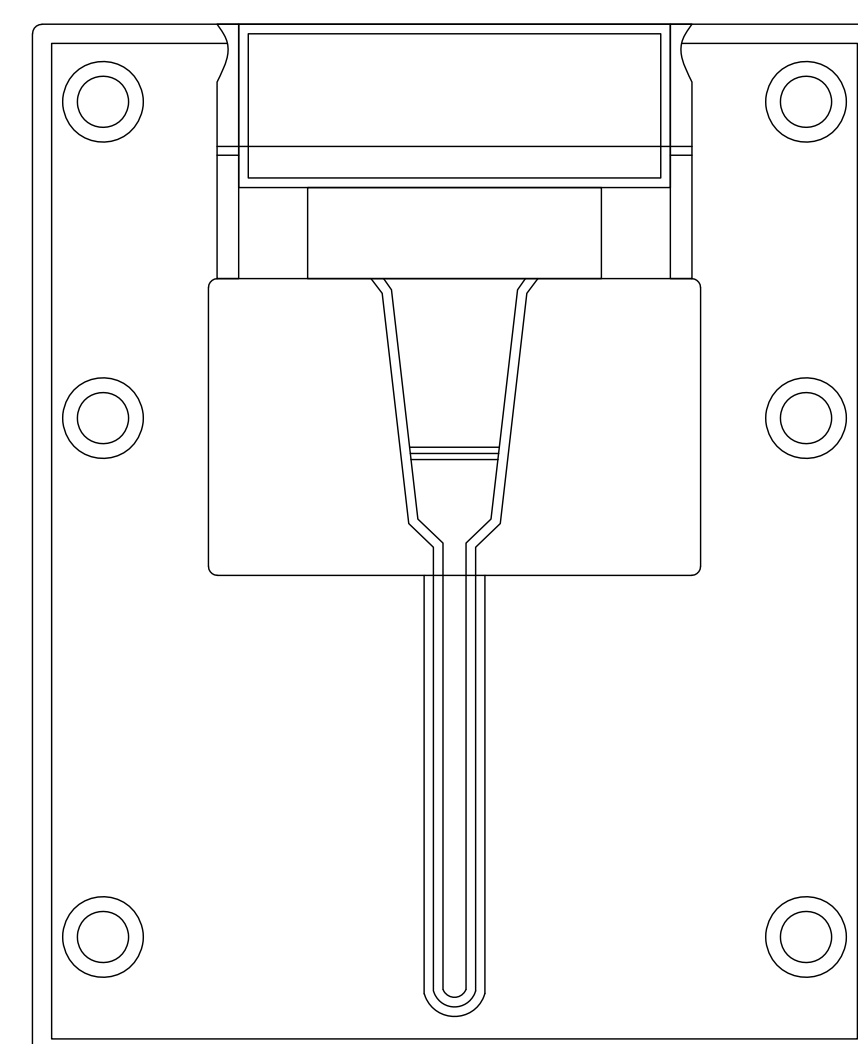
C-4

REVISION:

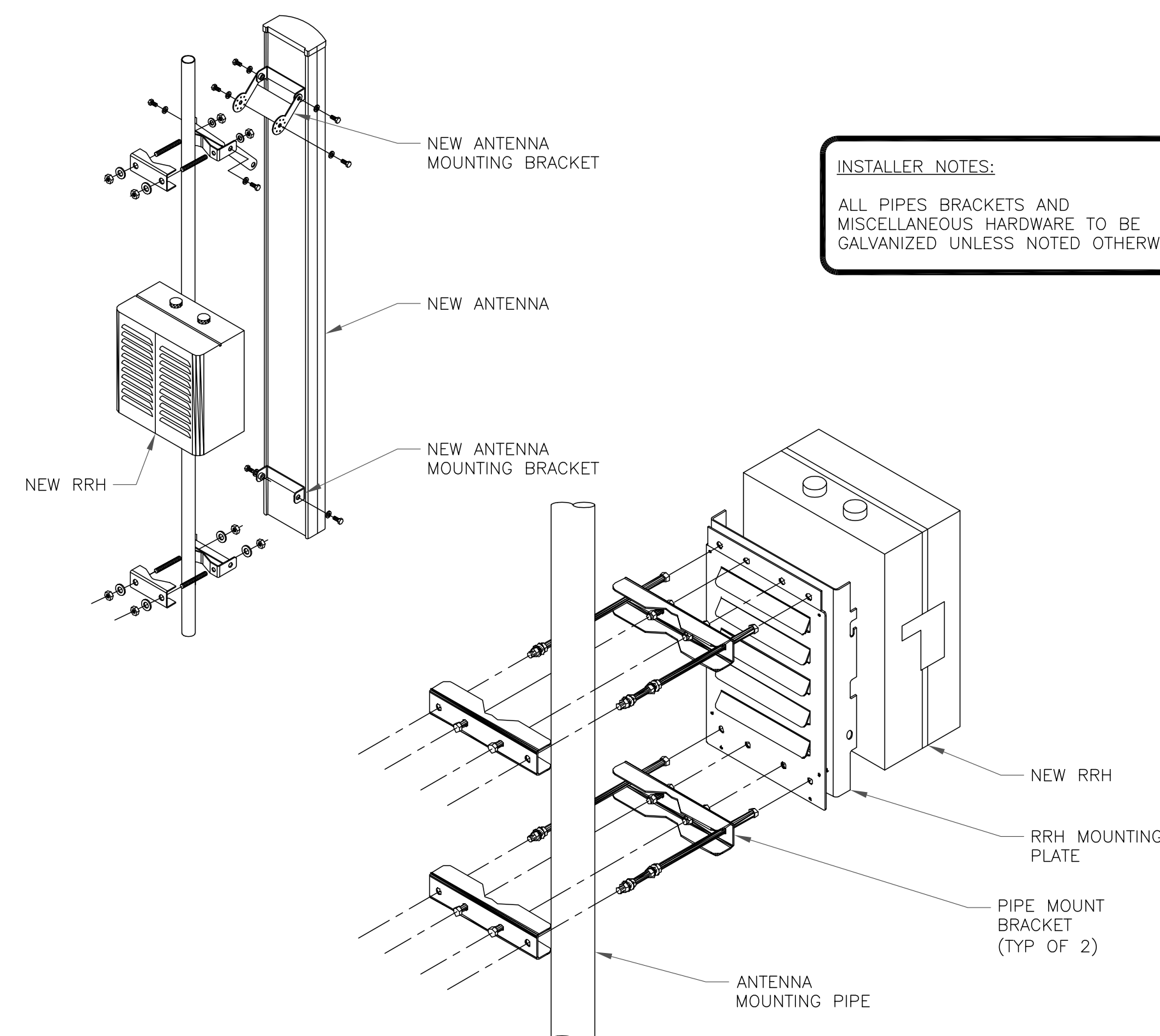
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1 NOT USED
 SCALE: NOT TO SCALE

2 NOT USED
 SCALE: NOT TO SCALE

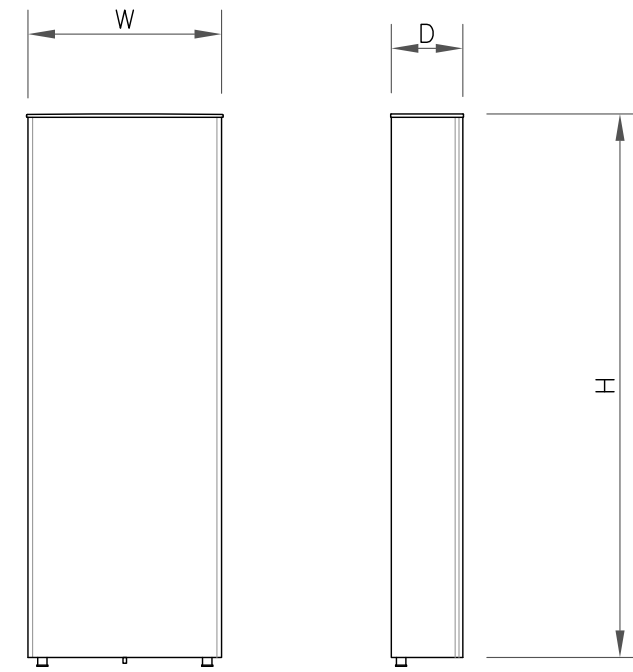


3 SAMSUNG - EP97-01585A BRACKET DETAIL
 SCALE: NOT TO SCALE



INSTALLER NOTES:
 ALL PIPES BRACKETS AND
 MISCELLANEOUS HARDWARE TO BE
 GALVANIZED UNLESS NOTED OTHERWISE.

4 ANTENNA & RRH MOUNTING DETAIL
 SCALE: NOT TO SCALE



| ANTENNA SPECS | |
|---------------|------------|
| MANUFACTURER | SAMSUNG |
| MODEL # | MT6407-77A |
| WIDTH | 16.06" |
| DEPTH | 5.51" |
| HEIGHT | 35.06" |
| WEIGHT | 81.57 LBS |

1 ANTENNA SPECS
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE

3 NOT USED
SCALE: NOT TO SCALE

4 NOT USED
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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EXISTING 120'-0" MONOPOLE

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | DES./QA |
|-----|---------|------|--------------|---------|
| 0 | 7/14/22 | GAC | CONSTRUCTION | MTJ |
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SHEET NUMBER: **C-5** REVISION: **0**

VERIZON SITE NUMBER:
 468756

BU #: 876320
 528 WHEELERS FARM RD
 528 WHEELERS FARM ROAD
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EXISTING 120'-0" MONOPOLE

ISSUED FOR:

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| 0 | 7/14/22 | GAC | CONSTRUCTION | MTJ |
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SHEET NUMBER:

C-6

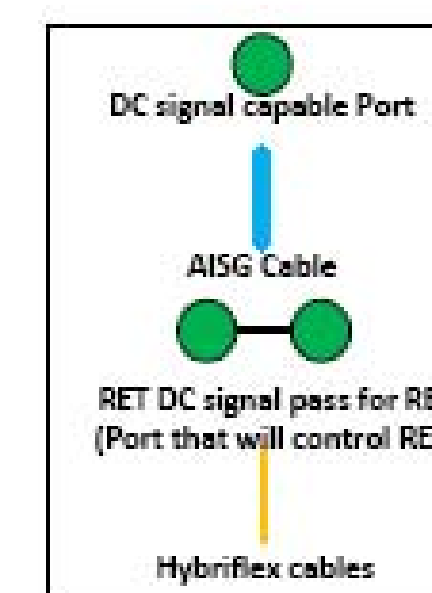
REVISION:

0

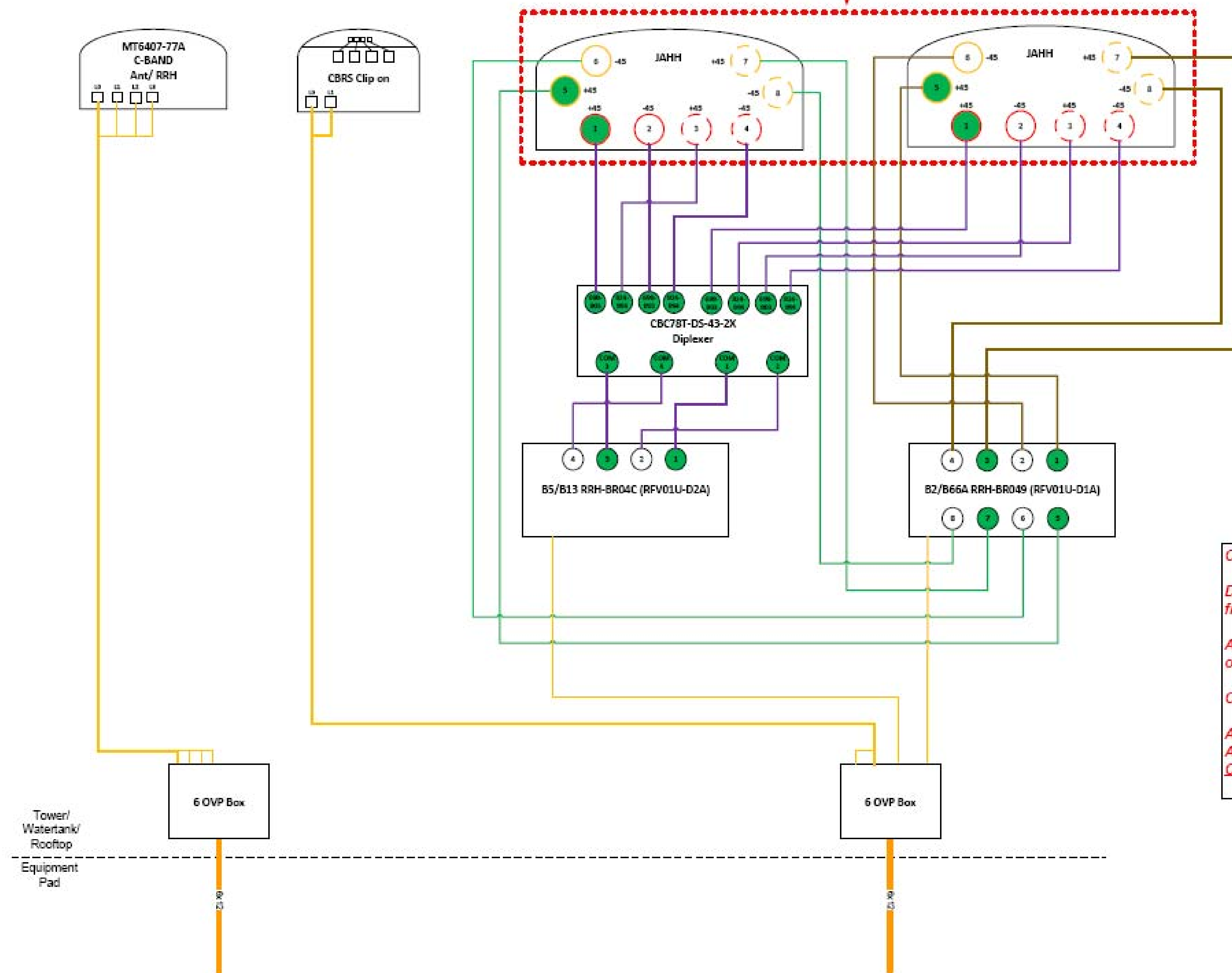


A: BSAMNT-SBS-2-2
 B/G: BSAMNT-SBS-2-3

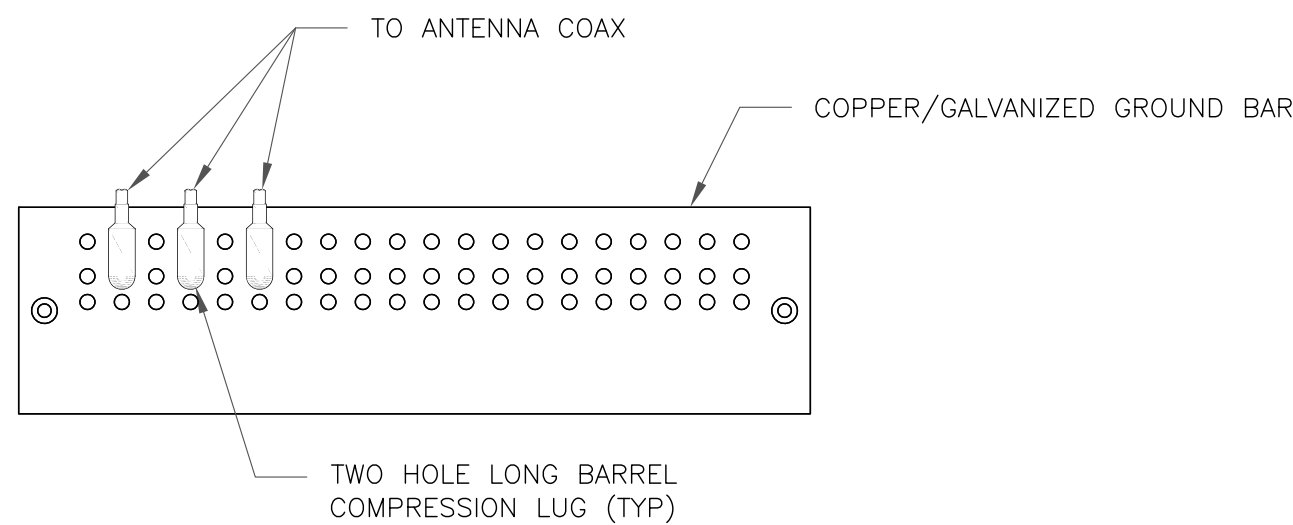
- Port 1 & 2 are for low band (698-896 MHz).
- Port 3,4,5, & 6 are for high band (1695-2360 MHz).
- Smart Bias Tee (SBT) is through port 1 & 3 for low band and port 1 for high band.
- AISG cable is only needed when drawn in the diagrams below, if it is not drawn then SBT is enough to control all RET motors.
- Not all SBT ports are needed to control RET, only green port connection to green port will control RET.



Comments:
 Diagram shows antenna port configuration as viewed from below antennas.
 Antenna positions are indicated as viewed from IN FRONT of antennas.
 Cap and weatherproof unused antenna ports.
 All plumbing diagram colors are irrelevant except for AISG & Hybriflex cable. (For the coax colors follow Coax Colors guide above).



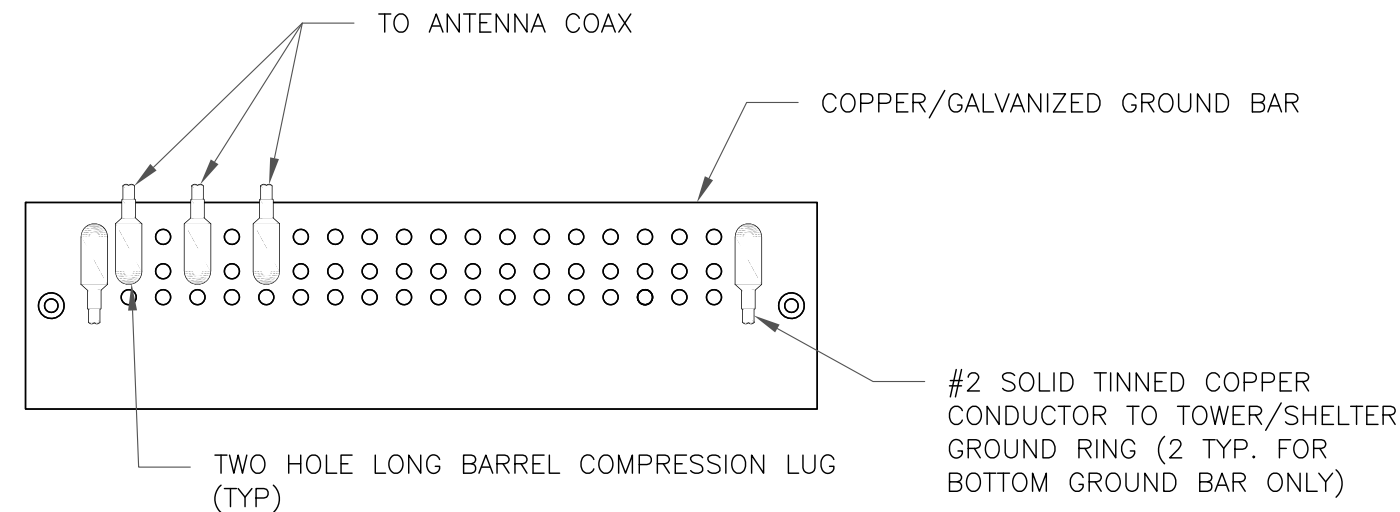
1 PLUMBING DIAGRAM
 SCALE: NOT TO SCALE



NOTES:

1. DOUBLING UP "OR STACKING" OF CONNECTIONS IS NOT PERMITTED.
2. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
3. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO ANTENNA MOUNT STEEL.

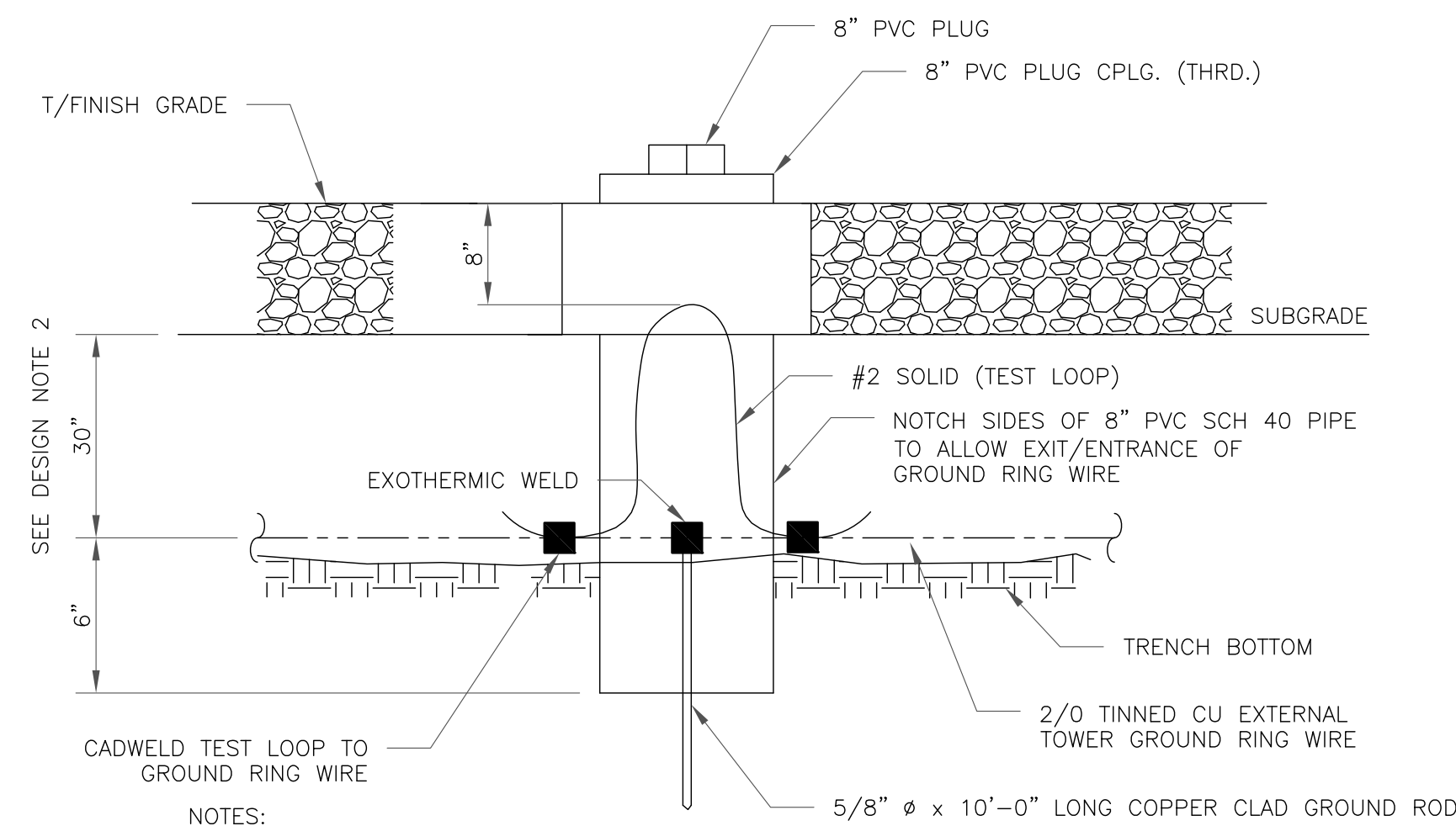
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

1. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
2. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO TOWER STEEL (TOWER ONLY).
3. GROUND BAR SHALL BE ISOLATED FROM BUILDING OR SHELTER.

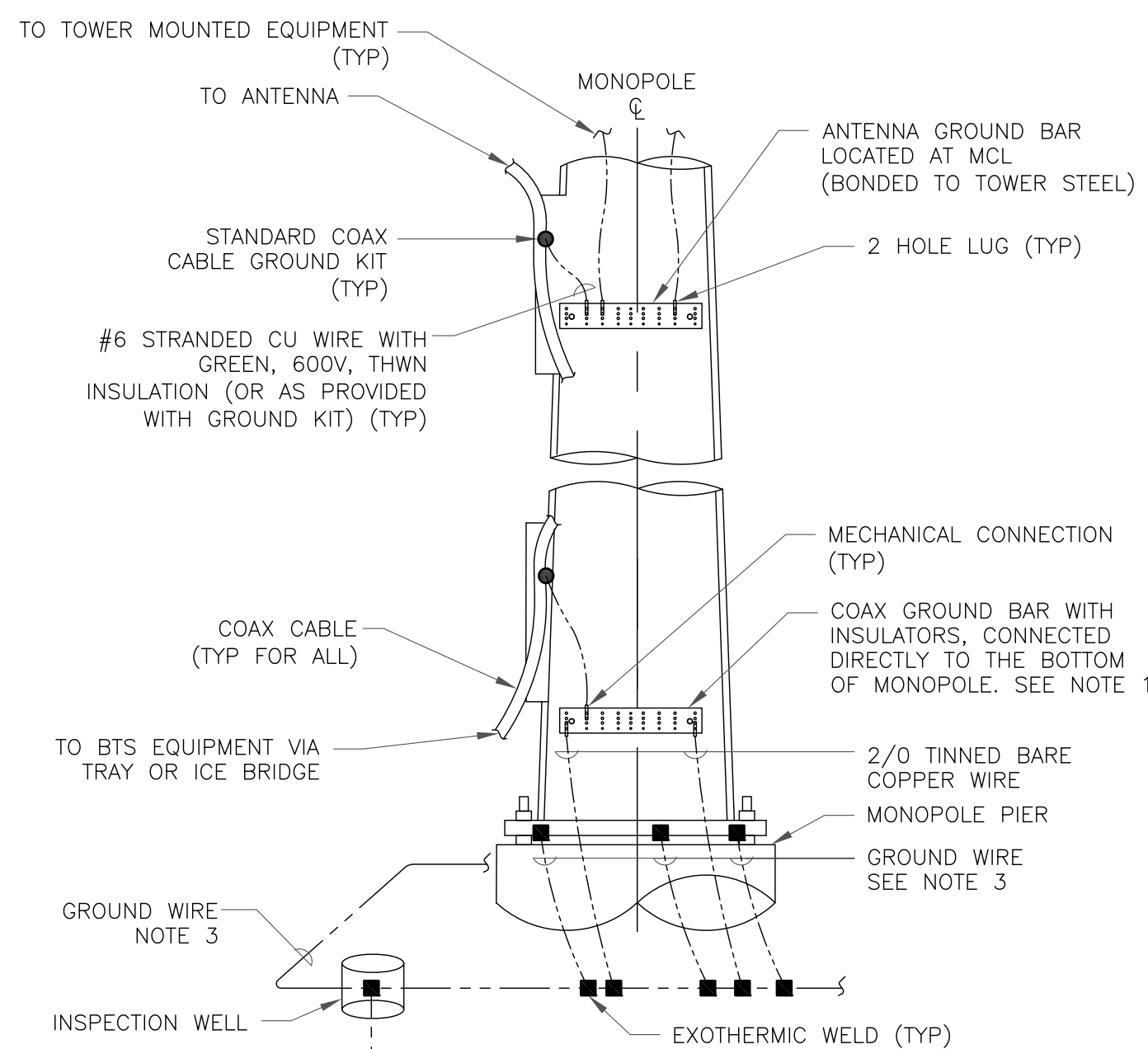
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

1. GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL.
2. GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE. (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D).

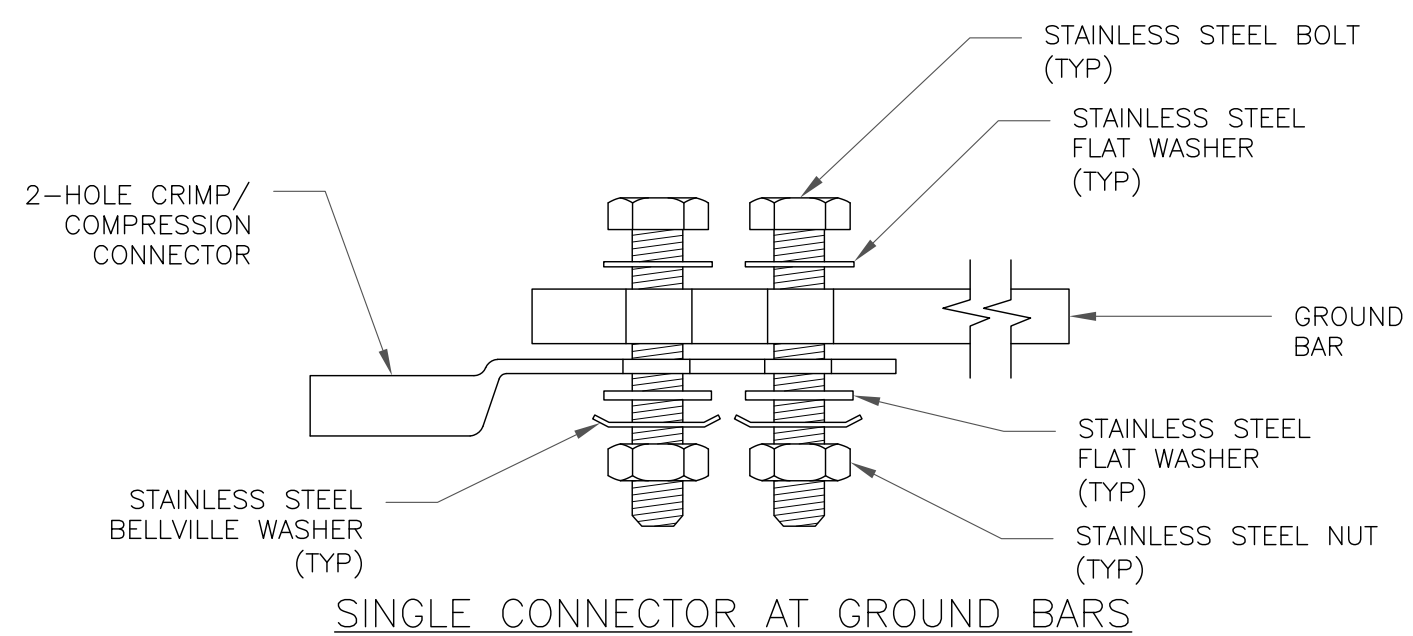
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



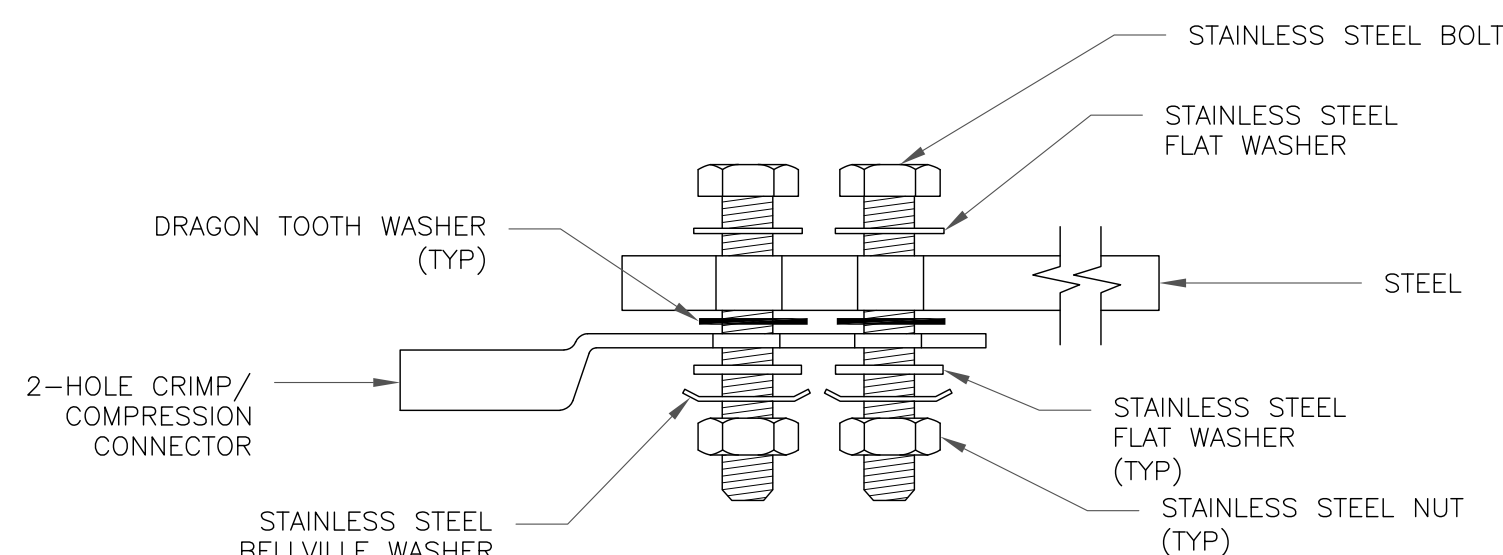
NOTES:

1. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATIONS AND CONNECTION ORIENTATION. COAXIAL CABLES EXCEEDING 200 FEET ON THE TOWER SHALL HAVE GROUND KITS AT THE MIDPOINT. PROVIDE AS REQUIRED.
2. ONLY MECHANICAL CONNECTIONS ARE ALLOWED TO BE MADE TO CROWN CASTLE USA INC. TOWERS. ALL MECHANICAL CONNECTIONS SHALL BE TREATED WITH AN ANTI-OXIDANT COATING.
3. ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF THE RECOGNIZED EDITION OF ANSI/TIA 222 AND NFPA 780.

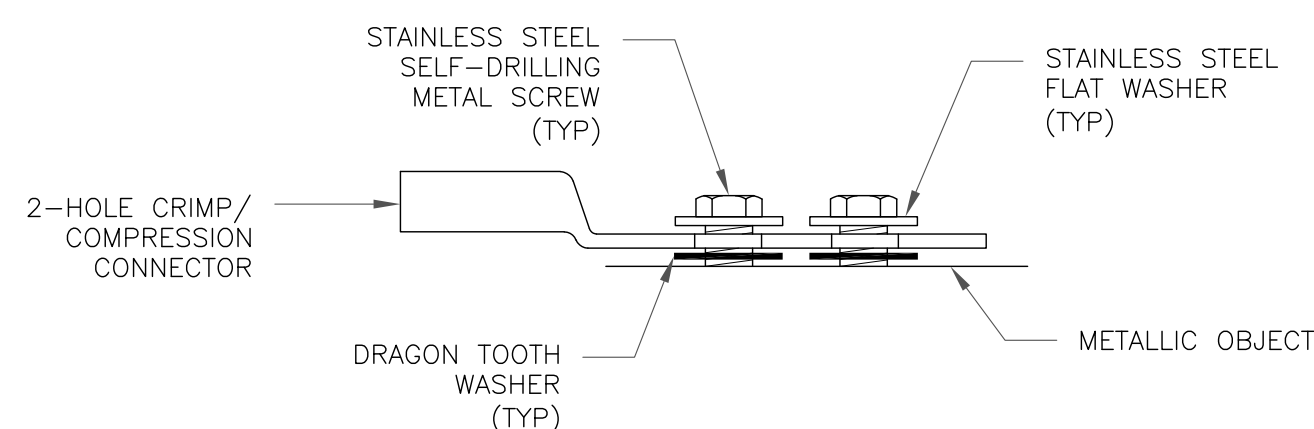
4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

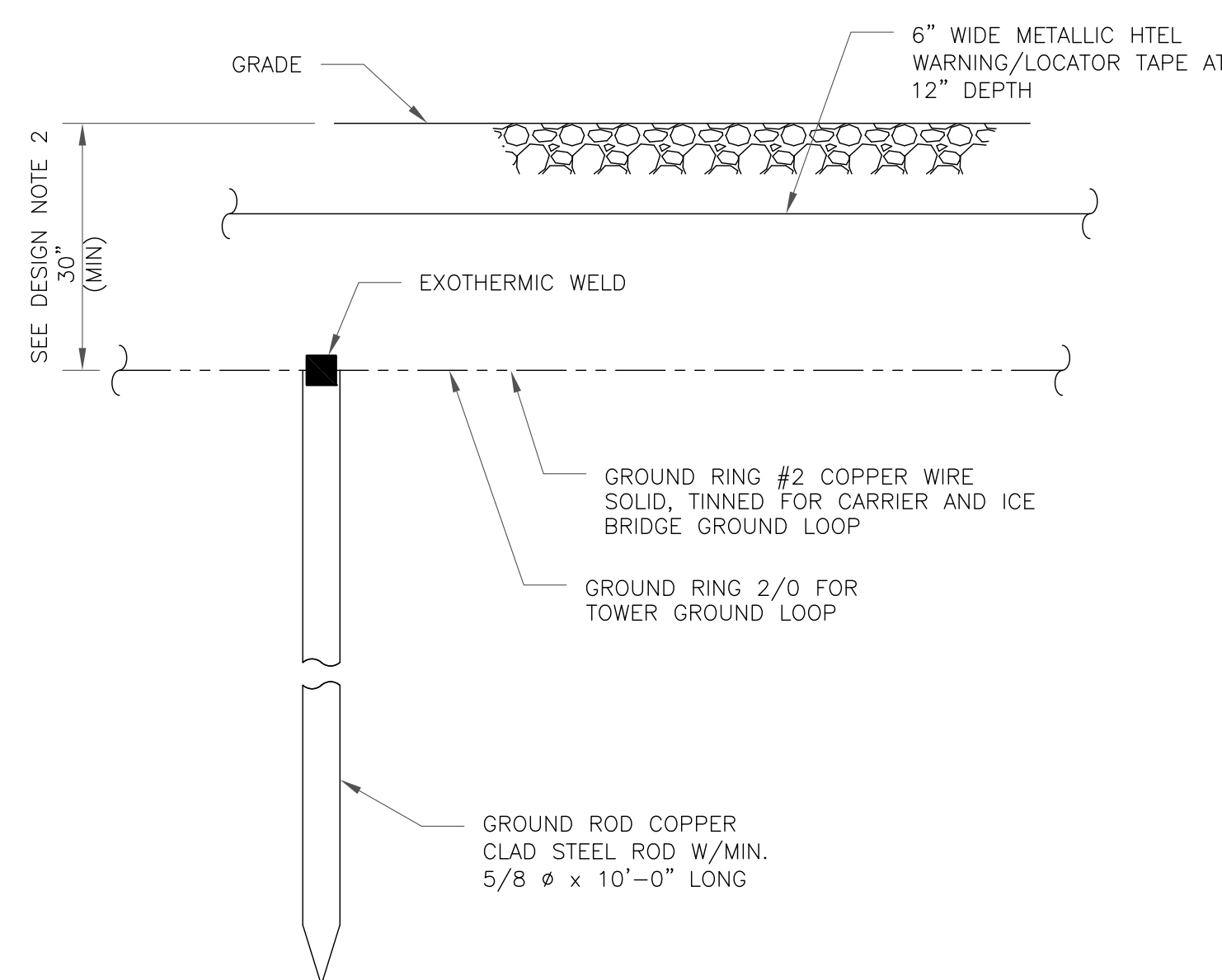


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

1. GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL.
2. GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE. (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D).

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

B+T GRP
1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
www.btgrp.com

VERIZON SITE NUMBER:
468756

BU #: **876320**
528 WHEELERS FARM RD

528 WHEELERS FARM ROAD
MILFORD, CT 06460

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

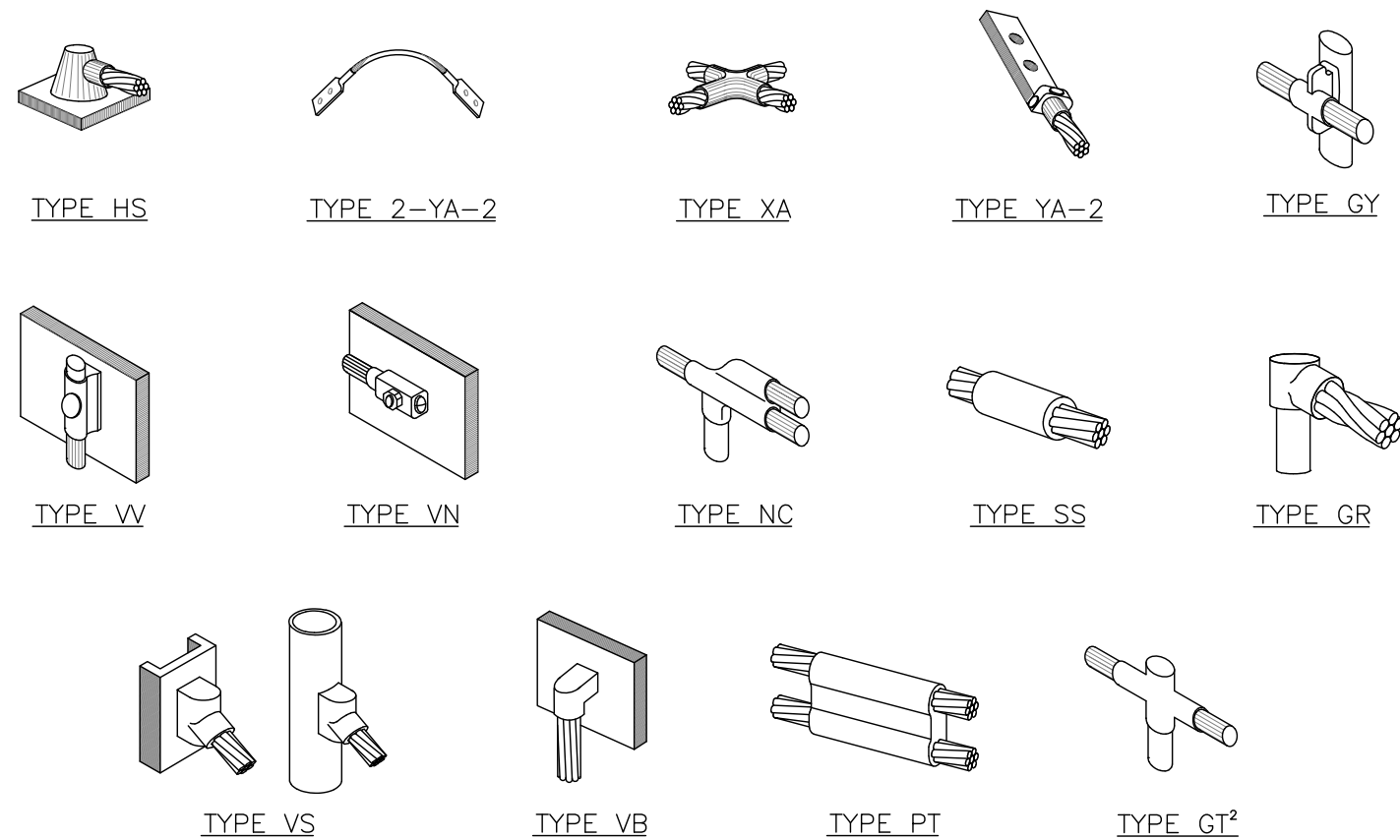
| REV | DATE | DRWN | DESCRIPTION | DES./QA |
|-----|---------|------|--------------|---------|
| 0 | 7/14/22 | GAC | CONSTRUCTION | MTJ |
| | | | | |
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B&T ENGINEERING, INC.

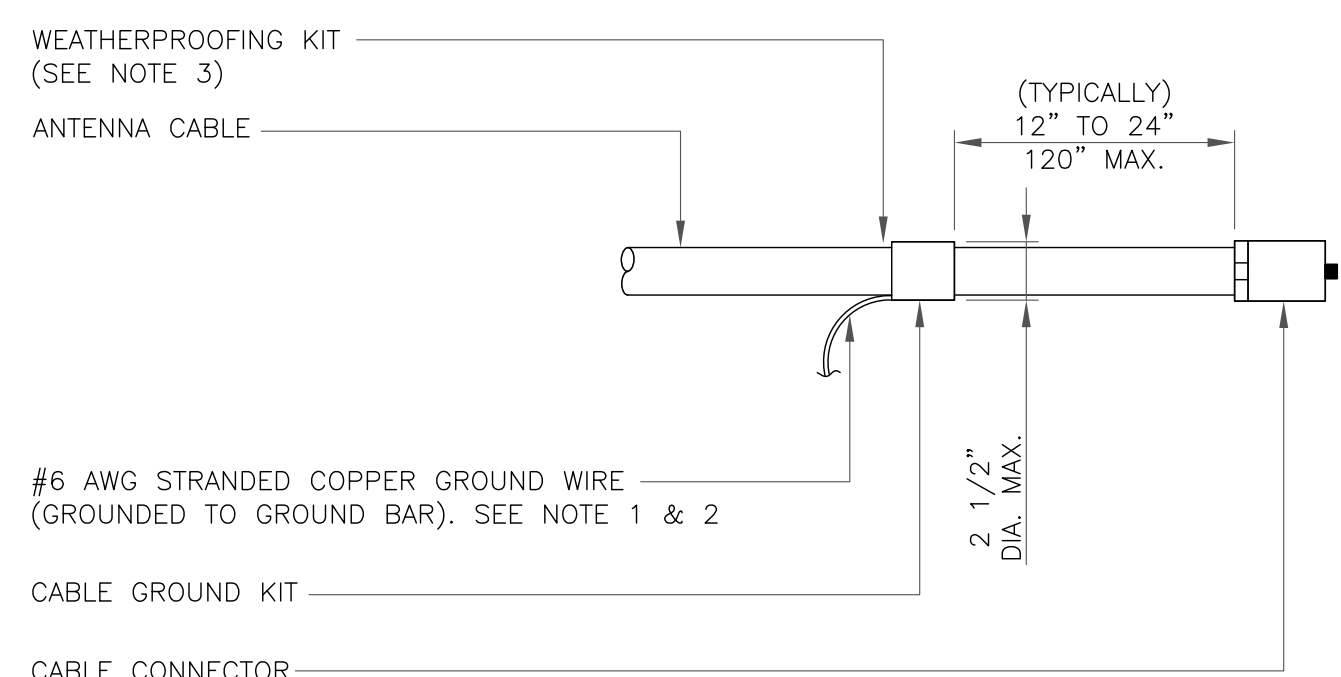
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER: **G-1** REVISION: **0**



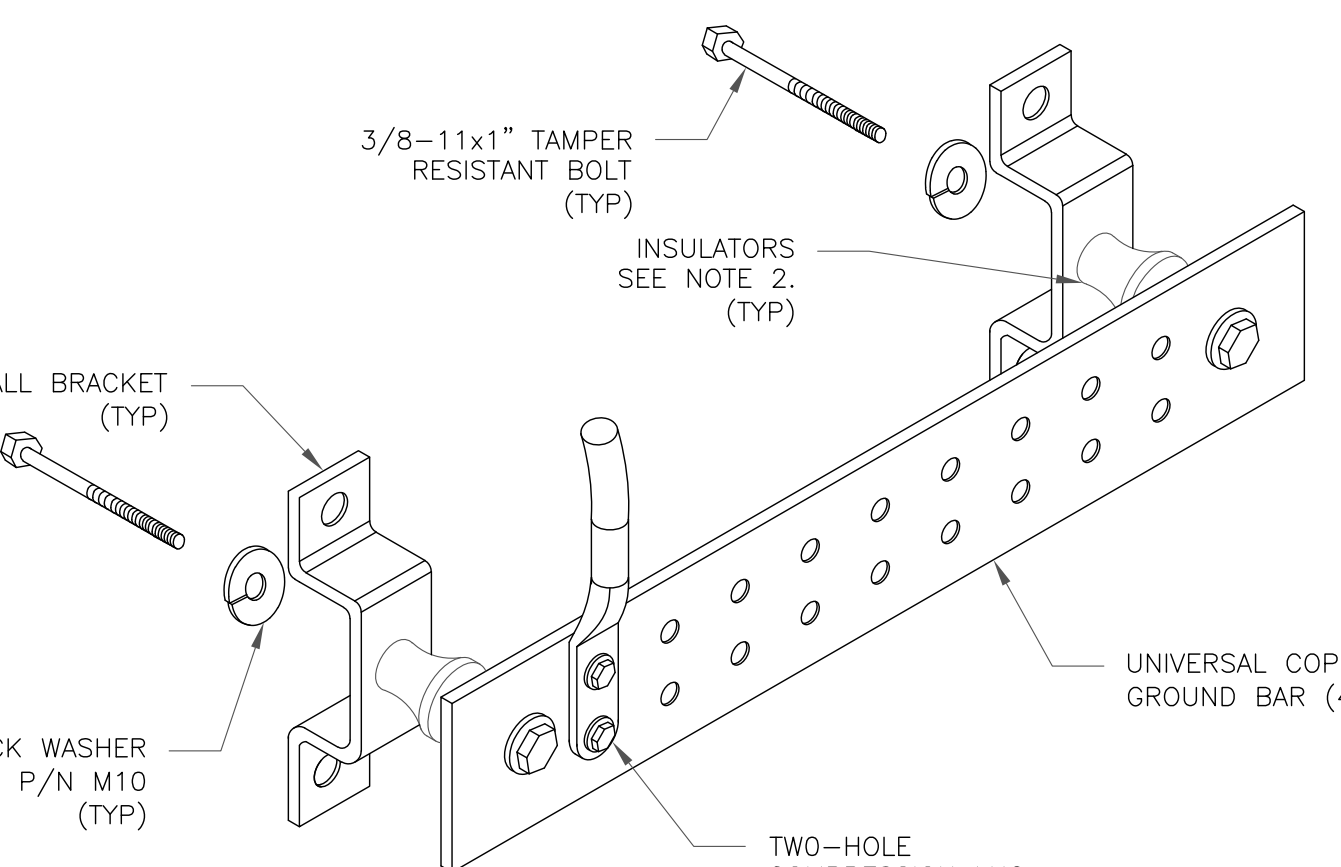
NOTE:
 1. ERICO EXOTHERMIC "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH CONSTRUCTION MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.
 2. MOLD TYPE ONLY TO BE USED BELOW GRADE WHEN CONNECTING GROUND RING TO GROUND ROD.

1 CADWELD GROUNDING CONNECTIONS
 SCALE: NOT TO SCALE



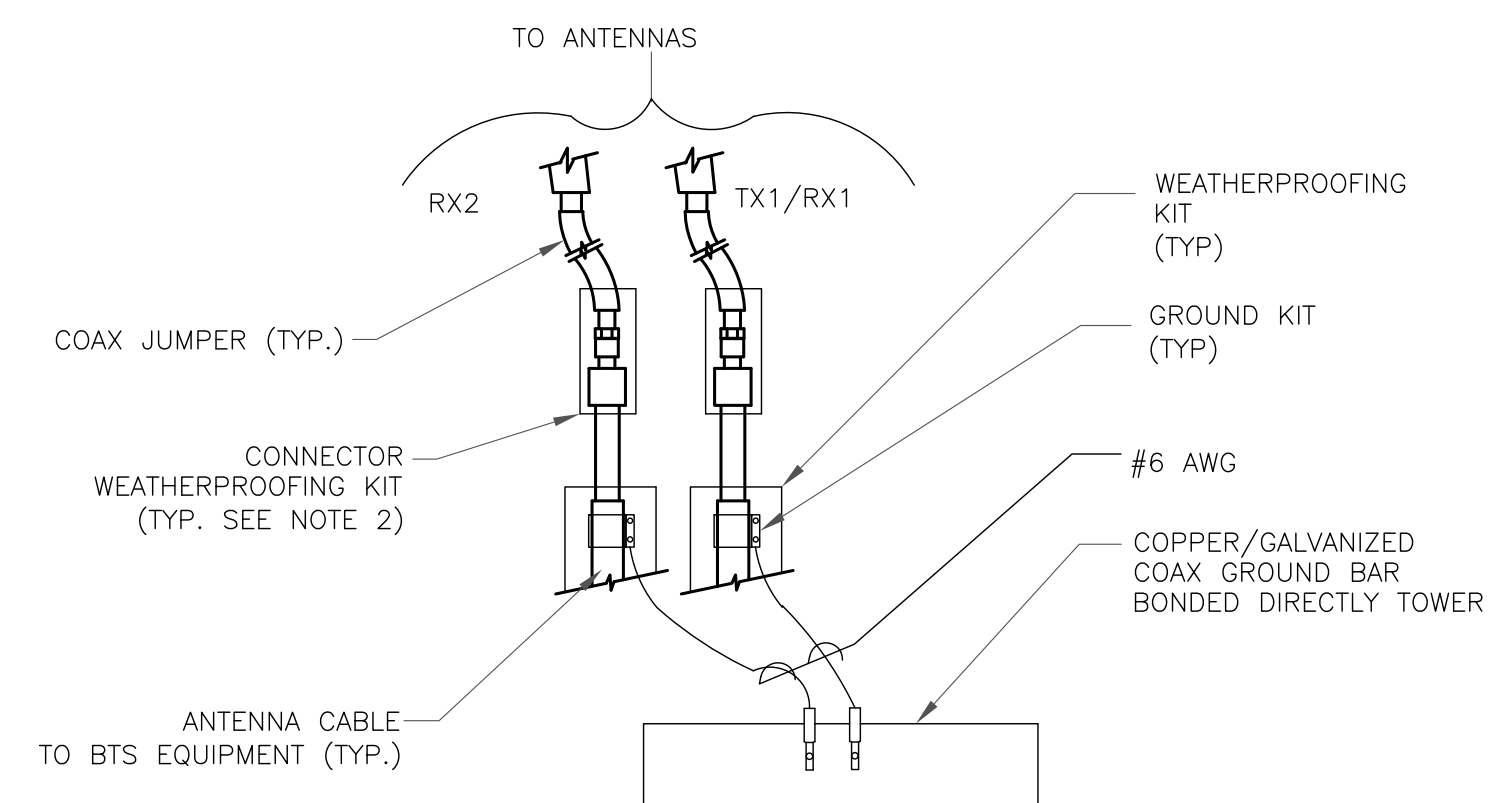
WEATHERPROOFING KIT (SEE NOTE 3)
 ANTENNA CABLE
 (TYPICALLY) 12" TO 24" 120" MAX.
 #6 AWG STRANDED COPPER GROUND WIRE (GROUNDED TO GROUND BAR). SEE NOTE 1 & 2
 2 1/2" DIA. MAX.
 CABLE GROUND KIT
 CABLE CONNECTOR

3 CABLE GROUND KIT CONNECTION
 SCALE: NOT TO SCALE



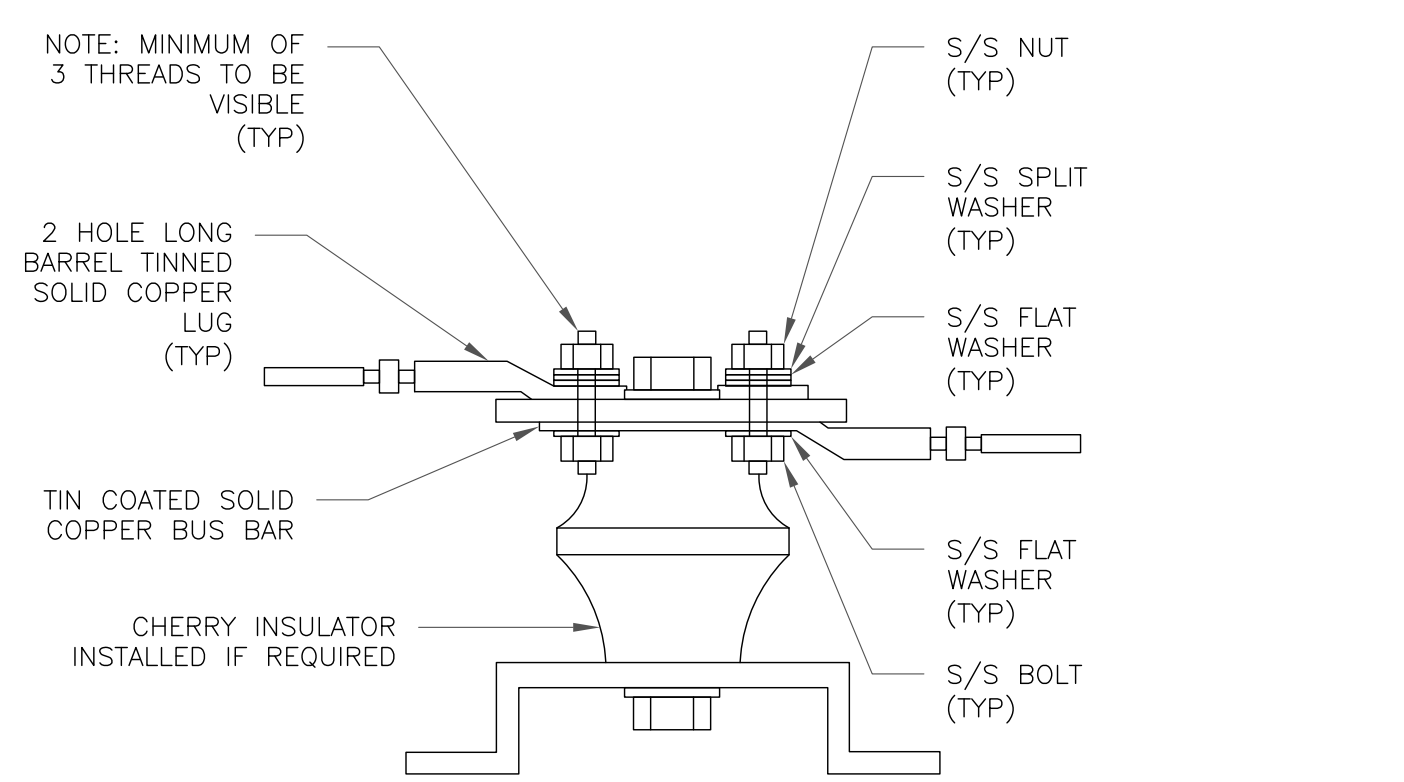
NOTES:
 1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
 2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

6 GROUND BAR DETAIL
 SCALE: NOT TO SCALE



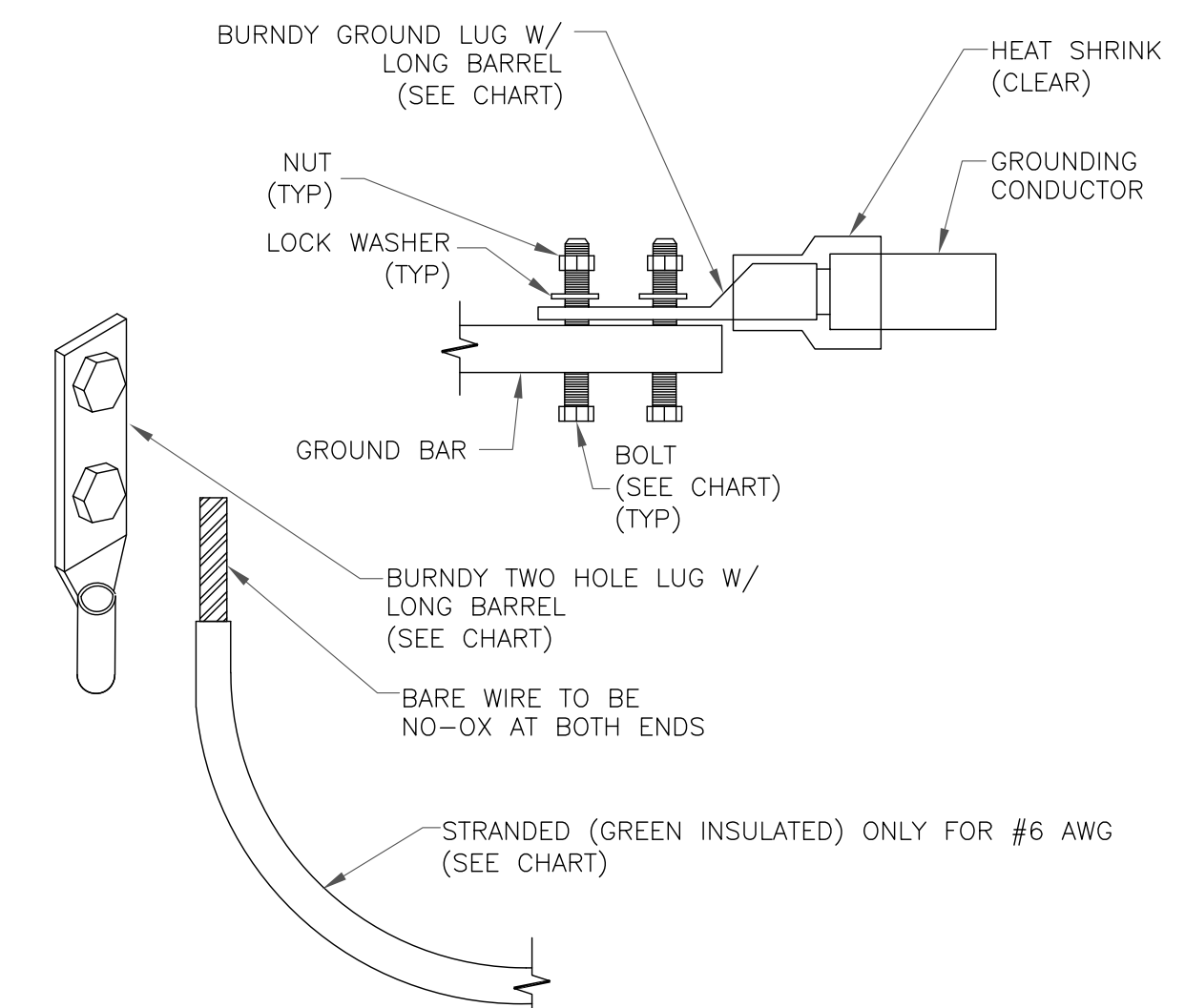
TO ANTENNAS
 RX2 TX1/RX1
 WEATHERPROOFING KIT (TYP)
 GROUND KIT (TYP)
 #6 AWG
 COPPER/GALVANIZED COAX GROUND BAR BONDED DIRECTLY TOWER
 COAX JUMPER (TYP.)
 CONNECTOR WEATHERPROOFING KIT (TYP. SEE NOTE 2)
 ANTENNA CABLE TO BTS EQUIPMENT (TYP.)

4 GROUND CABLE CONNECTION
 SCALE: NOT TO SCALE



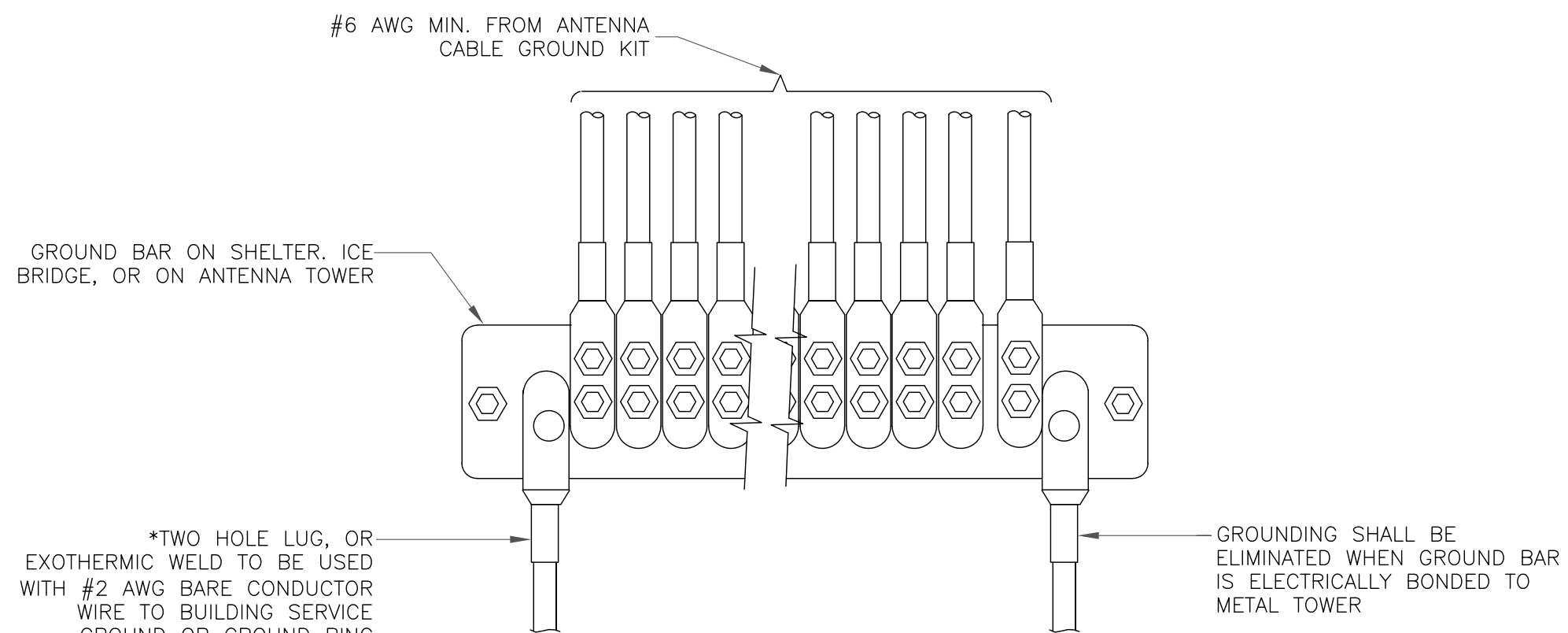
7 LUG DETAIL
 SCALE: NOT TO SCALE

| WIRE SIZE | BURNDY LUG | BOLT SIZE |
|------------------------|------------|-----------------------|
| #6 AWG GREEN INSULATED | YA6C-2TC38 | 3/8" - 16 NC S 2 BOLT |
| #2 AWG SOLID TINNED | YA3C-2TC38 | 3/8" - 16 NC S 2 BOLT |
| #2 AWG STRANDED | YA2C-2TC38 | 3/8" - 16 NC S 2 BOLT |
| #2/0 AWG STRANDED | YA26-2TC38 | 3/8" - 16 NC S 2 BOLT |
| #4/0 AWG STRANDED | YA28-2N | 1/2" - 16 NC S 2 BOLT |

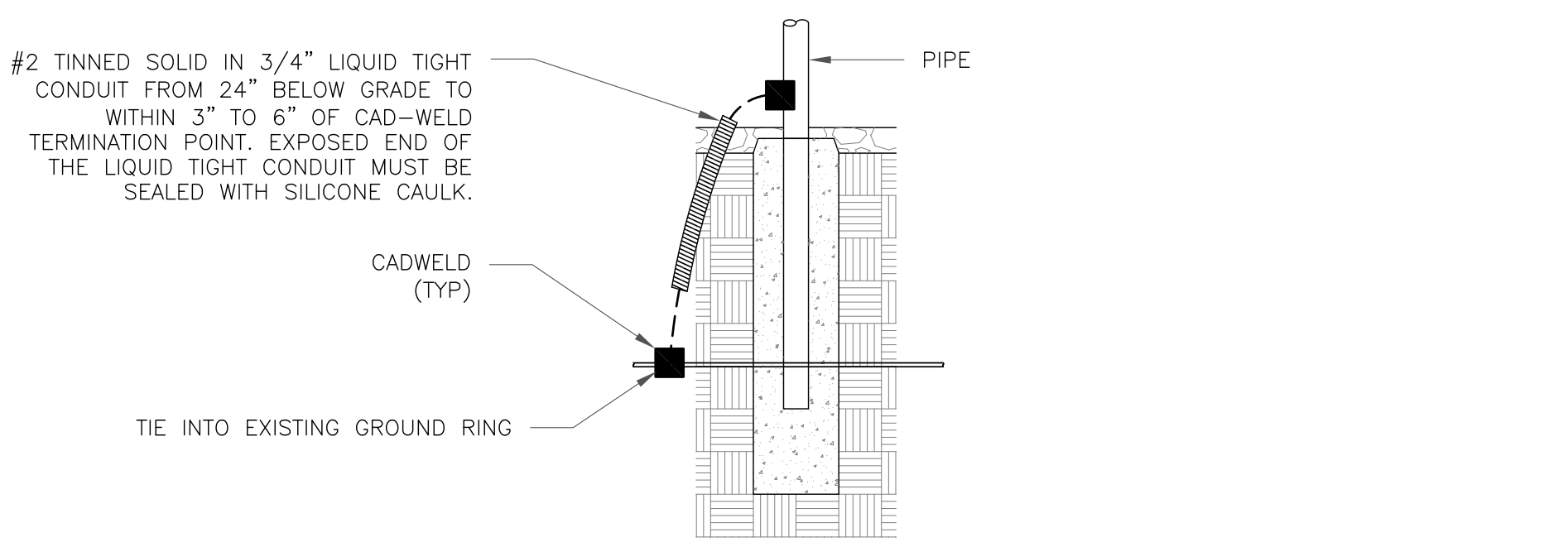


NOTES:
 1. ALL GROUNDING LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER, GROUND BAR, GROUND LUG, FLAT WASHER AND NUT.
 BURNDY GROUND LUG W/ LONG BARREL (SEE CHART)
 HEAT SHRINK (CLEAR)
 GROUNDING CONDUCTOR
 NUT (TYP)
 LOCK WASHER (TYP)
 GROUND BAR
 BOLT (SEE CHART) (TYP)
 BURNDY TWO HOLE LUG W/ LONG BARREL (SEE CHART)
 BARE WIRE TO BE NO-OX AT BOTH ENDS
 STRANDED (GREEN INSULATED) ONLY FOR #6 AWG (SEE CHART)

2 MECHANICAL LUG CONNECTION
 SCALE: NOT TO SCALE



5 GROUNDWIRE INSTALLATION
 SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
 SCALE: NOT TO SCALE

verizon
 180 WASHINGTON VALLEY ROAD
 BEDMINSTER, NJ 07921

CROWN CASTLE
 3 CORPORATE PARK DRIVE, SUITE 101
 CLIFTON PARK, NY 12065

B+T GRP
 1717 S. BOULDER
 SUITE 300
 TULSA, OK 74119
 PH: (918) 587-4630
 www.btgrp.com

VERIZON SITE NUMBER:
468756
 BU #: **876320**
528 WHEELERS FARM RD
 528 WHEELERS FARM ROAD
 MILFORD, CT 06460
 EXISTING 120'-0" MONOPOLE

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | DES./QA |
|-----|---------|------|--------------|---------|
| 0 | 7/14/22 | GAC | CONSTRUCTION | MTJ |

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SHEET NUMBER: **G-2** REVISION: **0**

80703.01.3.01_876320_WHEELERS_FARM_RD.dwg - SheetG-2 - User: mjones - Jul 14, 2022 - 3:53pm

Exhibit D

Structural Analysis Report

Date: **June 28, 2022**



Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317
(724) 416-2000

Subject: **Structural Analysis Report**

Carrier Designation: **Verizon Wireless Co-Locate**
Site Number: 468756
Site Name: MILFORD NE CT

Crown Castle Designation: **BU Number:** 876320
Site Name: 528 WHEELERS FARM RD
JDE Job Number: 722451
Work Order Number: 2131218
Order Number: 623006 Rev. 0

Engineering Firm Designation: **Crown Castle Project Number:** 2131218

Site Data: **528 Wheelers Farm Road, MILFORD, NEW HAVEN County, CT**
Latitude 41° 14' 54.35", Longitude -73° 4' 44.67"
120 Foot - Monopole Tower

Crown Castle is pleased to submit this “**Structural Analysis Report**” to determine the structural integrity of the above-mentioned tower.

The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration

Sufficient Capacity – 78.8%

This analysis utilizes an ultimate 3-second gust wind speed of 119 mph as required by the 2018 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Matthew Schmitt

Respectfully submitted by:

Terry P. Styran, P.E.
Senior Project Engineer

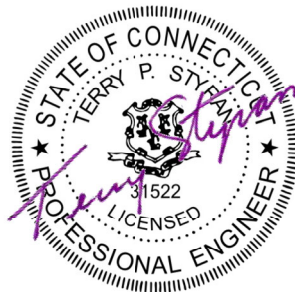


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- 3.2) Assumptions

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1) INTRODUCTION

This tower is a 120 ft Monopole tower designed by Summit. The tower has been modified multiple times to accommodate additional loading.

2) ANALYSIS CRITERIA

| | |
|-----------------------------|-----------|
| TIA-222 Revision: | TIA-222-H |
| Risk Category: | II |
| Wind Speed: | 119 mph |
| Exposure Category: | C |
| Topographic Factor: | 1 |
| Ice Thickness: | 1 in |
| Wind Speed with Ice: | 50 mph |
| Service Wind Speed: | 60 mph |

Table 1 - Proposed Equipment Configuration

| Mounting Level (ft) | Center Line Elevation (ft) | Number of Antennas | Antenna Manufacturer | Antenna Model | Number of Feed Lines | Feed Line Size (in) |
|---------------------|----------------------------|----------------------------|----------------------------|-------------------------------------|----------------------|---------------------|
| 113.0 | 114.0 | 3 | commscope | CBC78T-DS-43-2X | 2 | 1-5/8 |
| | | 2 | raycap | RCMDC-3315-PF-48 | | |
| | | 3 | samsung telecommunications | CBRS RRHRT4401- 48A | | |
| | | 3 | samsung telecommunications | RFV01U-D1A | | |
| | | 3 | samsung telecommunications | RFV01U-D2A | | |
| | 113.0 | 1 | tower mounts | Platform Mount [LP 305-1_KCKR-HR-1] | | |
| | 112.0 | 3 | samsung telecommunications | CBRS w/ Mount Pipe | | |
| | 110.0 | 4 | commscope | JAHH-45B-R3B w/ Mount Pipe | | |
| | | 2 | commscope | JAHH-65B-R3B w/ Mount Pipe | | |
| 3 | | samsung telecommunications | MT6407-77A w/ Mount Pipe | | | |

Table 2 - Other Considered Equipment

| Mounting Level (ft) | Center Line Elevation (ft) | Number of Antennas | Antenna Manufacturer | Antenna Model | Number of Feed Lines | Feed Line Size (in) |
|---------------------|----------------------------|--------------------|----------------------|--|----------------------|---------------------|
| 122.0 | 122.0 | 1 | tower mounts | Platform Mount [LP 1201-1_HR-1] | 3 | 1-5/8 |
| | 121.0 | 3 | commscope | VV-65B-R1_TMO w/ Mount Pipe | | |
| | | 3 | ericsson | AIR 6419 B41_TMO w/ Mount Pipe | | |
| | | 3 | ericsson | RADIO 4460 B2/B25 B66_TMO | | |
| | | 3 | ericsson | Radio 4480_TMOV2 | | |
| | | 3 | rfs celwave | APXVAALL24_43-U-NA20_TMO w/ Mount Pipe | | |
| 105.0 | 107.0 | 3 | ericsson | AIR 32 B2A/B66AA w/ Mount | 1 | 1-5/8 |

| Mounting Level (ft) | Center Line Elevation (ft) | Number of Antennas | Antenna Manufacturer | Antenna Model | Number of Feed Lines | Feed Line Size (in) | |
|---------------------|----------------------------|--------------------|------------------------|-----------------------------|----------------------|--------------------------------|-----------------|
| | | | | Pipe | 3 | 1-3/8 | |
| | | 3 | ericsson | AIR 3246 B66 w/ Mount Pipe | | | |
| | | 3 | ericsson | AIR6449 B41 w/ Mount Pipe | | | |
| | | 3 | ericsson | RADIO 4449 B71/B85A | | | |
| | | 3 | ericsson | RRUS 4415 B25_CCIV2 | | | |
| | 105.0 | 1 | tower mounts | SitePro1 RMQP-4096-HK | | | |
| 97.0 | 98.0 | 2 | commscope | WCS-IMFQ-AMT | 2 | 7/8 | |
| | | 3 | ericsson | AIR 6419 B77G w/ Mount Pipe | | | |
| | | 3 | ericsson | AIR 6449 B77D w/ Mount Pipe | | | |
| | | 2 | ericsson | RRUS E2 B29 | | | |
| | 3 | quintel technology | QD4616-7 w/ Mount Pipe | | | | |
| | 97.0 | 97.0 | 3 | ericsson | | | RRUS 32 B30 |
| | | | 2 | raycap | | | DC6-48-60-18-8F |
| 1 | | | tower mounts | Side Arm Mount [SO 102-3] | | | |
| 96.0 | 99.0 | 1 | tower mounts | Miscellaneous [NA 507-1] | 6 4 3 2 | 1-1/4 3/4 3/8 Conduit | |
| | 98.0 | 1 | commscope | WCS-IMFQ-AMT | | | |
| | | 3 | ericsson | RRUS 4449 B5/B12 | | | |
| | | 3 | ericsson | RRUS 4478 B14 | | | |
| | | 3 | ericsson | RRUS 8843 B2/B66A | | | |
| | | 1 | ericsson | RRUS E2 B29 | | | |
| | | 3 | kathrein | 80010965 w/ Mount Pipe | | | |
| | 96.0 | 1 | raycap | DC6-48-60-18-8F | | | |
| | 96.0 | 1 | tower mounts | Platform Mount [LP 712-1] | | | |
| 86.0 | 86.0 | 3 | fujitsu | TA08025-B604 | 1 | 1-3/8 | |
| | | 3 | fujitsu | TA08025-B605 | | | |
| | | 3 | jma wireless | MX08FRO665-21 w/ Mount Pipe | | | |
| | | 1 | raycap | RDIDC-9181-PF-48 | | | |
| | | 1 | tower mounts | Commscope MC-PK8-DSH | | | |
| 82.0 | 82.0 | - | - | - | 12 | 7/8 | |
| 75.0 | 76.0 | 1 | trimble | ACUTIME 2000 | 1 | 1/2 | |
| | 75.0 | 1 | tower mounts | Side Arm Mount [SO 701-1] | | | |

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

| Document | Reference | Source |
|--------------------------------|-----------|----------|
| 4-GEOTECHNICAL REPORTS | 1613534 | CCISITES |
| 4-POST-MODIFICATION INSPECTION | 2460628 | CCISITES |
| 4-POST-MODIFICATION INSPECTION | 3349204 | CCISITES |
| 4-POST-MODIFICATION INSPECTION | 3350209 | CCISITES |

| Document | Reference | Source |
|--|-----------|----------|
| 4-POST-MODIFICATION INSPECTION | 3753892 | CCISITES |
| 4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS | 1614583 | CCISITES |
| 4-TOWER MANUFACTURER DRAWINGS | 1614557 | CCISITES |
| 4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA | 9101035 | CCISITES |
| 4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA | 8550831 | CCISITES |
| 4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA | 5873963 | CCISITES |
| 4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA | 4961357 | CCISITES |
| 4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA | 3338935 | CCISITES |
| 4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA | 3349207 | CCISITES |
| 4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA | 2460630 | CCISITES |
| 4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA | 1613579 | CCISITES |
| 4-POST-MODIFICATION INSPECTION | 8820087 | CCISITES |
| 4-POST-MODIFICATION INSPECTION | 6112300 | CCISITES |
| 4-POST-MODIFICATION INSPECTION | 5760332 | CCISITES |

3.1) Analysis Method

tnxTower (version 8.1.1.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

tnxTower was used to determine the loads on the modified structure. Additional calculations were performed to determine the stresses in the reinforcing elements. These calculations are presented in Appendix C.

3.2) Assumptions

- 1) Tower and structures were maintained in accordance with the TIA-222 Standard.
- 2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.

This analysis may be affected if any assumptions are not valid or have been made in error. Crown Castle should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

| Section No. | Elevation (ft) | Component Type | Size | Critical Element | % Capacity | Pass / Fail |
|-------------|----------------|----------------|------------------------|---------------------------|------------|-------------|
| L1 | 120 - 115 | Pole | TP23.01x22x0.25 | Pole | 6.7% | Pass |
| L2 | 115 - 110 | Pole | TP24.02x23.01x0.25 | Pole | 13.2% | Pass |
| L3 | 110 - 105 | Pole | TP25.031x24.02x0.25 | Pole | 20.6% | Pass |
| L4 | 105 - 100 | Pole | TP26.041x25.031x0.25 | Pole | 31.8% | Pass |
| L5 | 100 - 99.25 | Pole | TP26.192x26.041x0.25 | Pole | 33.2% | Pass |
| L6 | 99.25 - 99 | Pole + Reinf. | TP26.243x26.192x0.3563 | Reinf. 14 Tension Rupture | 30.3% | Pass |
| L7 | 99 - 94 | Pole + Reinf. | TP27.253x26.243x0.3563 | Reinf. 14 Tension Rupture | 40.7% | Pass |
| L8 | 94 - 90.08 | Pole + Reinf. | TP28.045x27.253x0.3125 | Pole | 48.8% | Pass |

| Section No. | Elevation (ft) | Component Type | Size | Critical Element | % Capacity | Pass / Fail |
|-------------|----------------|----------------|------------------------|---------------------------|------------|-------------|
| L9 | 90.08 - 89.83 | Pole + Reinf. | TP28.096x28.045x0.5125 | Reinf. 11 Tension Rupture | 40.6% | Pass |
| L10 | 89.83 - 89.5 | Pole + Reinf. | TP28.162x28.096x0.5125 | Reinf. 11 Tension Rupture | 41.2% | Pass |
| L11 | 89.5 - 89.25 | Pole + Reinf. | TP28.213x28.162x0.725 | Reinf. 15 Tension Rupture | 31.9% | Pass |
| L12 | 89.25 - 84.25 | Pole + Reinf. | TP29.223x28.213x0.7 | Reinf. 15 Tension Rupture | 38.5% | Pass |
| L13 | 84.25 - 81.75 | Pole + Reinf. | TP30.486x29.223x0.7 | Reinf. 15 Tension Rupture | 42.0% | Pass |
| L14 | 81.75 - 77 | Pole + Reinf. | TP30.188x29.228x0.8625 | Reinf. 17 Tension Rupture | 38.2% | Pass |
| L15 | 77 - 76.75 | Pole + Reinf. | TP30.239x30.188x0.8625 | Reinf. 17 Tension Rupture | 38.5% | Pass |
| L16 | 76.75 - 76.5 | Pole + Reinf. | TP30.289x30.239x0.9625 | Reinf. 14 Tension Rupture | 36.2% | Pass |
| L17 | 76.5 - 75.5 | Pole + Reinf. | TP30.491x30.289x0.9625 | Reinf. 14 Tension Rupture | 37.1% | Pass |
| L18 | 75.5 - 75.25 | Pole + Reinf. | TP30.542x30.491x0.7625 | Reinf. 17 Tension Rupture | 42.7% | Pass |
| L19 | 75.25 - 74.5 | Pole + Reinf. | TP30.693x30.542x0.7625 | Reinf. 17 Tension Rupture | 43.5% | Pass |
| L20 | 74.5 - 74.25 | Pole + Reinf. | TP30.744x30.693x0.8375 | Reinf. 17 Tension Rupture | 45.8% | Pass |
| L21 | 74.25 - 72 | Pole + Reinf. | TP31.198x30.744x0.825 | Reinf. 17 Tension Rupture | 48.2% | Pass |
| L22 | 72 - 71.75 | Pole + Reinf. | TP31.249x31.198x0.7625 | Reinf. 17 Tension Rupture | 46.2% | Pass |
| L23 | 71.75 - 70.5 | Pole + Reinf. | TP31.501x31.249x0.7625 | Reinf. 17 Tension Rupture | 47.4% | Pass |
| L24 | 70.5 - 70.25 | Pole + Reinf. | TP31.552x31.501x0.7875 | Reinf. 17 Tension Rupture | 47.5% | Pass |
| L25 | 70.25 - 70 | Pole + Reinf. | TP31.602x31.552x0.7875 | Reinf. 17 Tension Rupture | 47.7% | Pass |
| L26 | 70 - 69.75 | Pole + Reinf. | TP31.653x31.602x0.725 | Reinf. 17 Tension Rupture | 49.5% | Pass |
| L27 | 69.75 - 69.5 | Pole + Reinf. | TP31.703x31.653x0.875 | Reinf. 4 Tension Rupture | 42.0% | Pass |
| L28 | 69.5 - 69.25 | Pole + Reinf. | TP31.754x31.703x0.75 | Reinf. 4 Tension Rupture | 47.0% | Pass |
| L29 | 69.25 - 64.25 | Pole + Reinf. | TP32.764x31.754x0.7375 | Reinf. 4 Tension Rupture | 51.4% | Pass |
| L30 | 64.25 - 59.25 | Pole + Reinf. | TP33.774x32.764x0.7125 | Reinf. 4 Tension Rupture | 55.5% | Pass |
| L31 | 59.25 - 56 | Pole + Reinf. | TP34.431x33.774x0.7125 | Reinf. 4 Tension Rupture | 58.0% | Pass |
| L32 | 56 - 55.75 | Pole + Reinf. | TP34.481x34.431x0.8125 | Reinf. 7 Tension Rupture | 55.8% | Pass |
| L33 | 55.75 - 55.5 | Pole + Reinf. | TP34.532x34.481x0.8125 | Reinf. 7 Tension Rupture | 56.0% | Pass |
| L34 | 55.5 - 55.25 | Pole + Reinf. | TP34.582x34.532x0.8875 | Reinf. 7 Tension Rupture | 50.4% | Pass |
| L35 | 55.25 - 54 | Pole + Reinf. | TP34.835x34.582x0.875 | Reinf. 7 Tension Rupture | 51.3% | Pass |
| L36 | 54 - 53.75 | Pole + Reinf. | TP34.885x34.835x0.75 | Reinf. 7 Tension Rupture | 58.8% | Pass |
| L37 | 53.75 - 53.5 | Pole + Reinf. | TP34.936x34.885x0.7375 | Reinf. 7 Tension Rupture | 59.0% | Pass |
| L38 | 53.5 - 53.25 | Pole + Reinf. | TP34.986x34.936x0.6625 | Reinf. 4 Tension Rupture | 63.4% | Pass |
| L39 | 53.25 - 53 | Pole + Reinf. | TP35.037x34.986x0.6 | Reinf. 12 Tension Rupture | 65.5% | Pass |
| L40 | 53 - 48 | Pole + Reinf. | TP36.047x35.037x0.5875 | Reinf. 12 Tension Rupture | 69.4% | Pass |
| L41 | 48 - 44.5 | Pole + Reinf. | TP37.714x36.047x0.5875 | Reinf. 12 Tension Rupture | 72.0% | Pass |
| L42 | 44.5 - 38.75 | Pole + Reinf. | TP37.291x36.129x0.6625 | Reinf. 4 Tension Rupture | 70.2% | Pass |
| L43 | 38.75 - 34.75 | Pole + Reinf. | TP38.099x37.291x0.6625 | Reinf. 4 Tension Rupture | 72.3% | Pass |
| L44 | 34.75 - 34.5 | Pole + Reinf. | TP38.15x38.099x0.825 | Reinf. 3 Tension Rupture | 58.0% | Pass |
| L45 | 34.5 - 33.75 | Pole + Reinf. | TP38.301x38.15x0.825 | Reinf. 3 Tension Rupture | 58.3% | Pass |
| L46 | 33.75 - 33.5 | Pole + Reinf. | TP38.352x38.301x0.625 | Reinf. 6 Tension Rupture | 71.8% | Pass |
| L47 | 33.5 - 28.5 | Pole + Reinf. | TP39.362x38.352x0.6125 | Reinf. 6 Tension Rupture | 74.1% | Pass |
| L48 | 28.5 - 24 | Pole + Reinf. | TP40.271x39.362x0.6625 | Reinf. 3 Tension Rupture | 76.2% | Pass |
| L49 | 24 - 23.75 | Pole + Reinf. | TP40.322x40.271x0.7 | Reinf. 3 Tension Rupture | 72.8% | Pass |
| L50 | 23.75 - 18.75 | Pole + Reinf. | TP41.332x40.322x0.6875 | Reinf. 3 Tension Rupture | 74.9% | Pass |
| L51 | 18.75 - 14.25 | Pole + Reinf. | TP42.241x41.332x0.675 | Reinf. 3 Tension Rupture | 76.7% | Pass |
| L52 | 14.25 - 14 | Pole + Reinf. | TP42.291x42.241x0.775 | Reinf. 3 Tension Rupture | 66.8% | Pass |

| Section No. | Elevation (ft) | Component Type | Size | Critical Element | % Capacity | Pass / Fail |
|-------------|----------------|----------------|------------------------|--------------------------|------------|-------------|
| L53 | 14 - 9 | Pole + Reinf. | TP43.302x42.291x0.7625 | Reinf. 3 Tension Rupture | 68.5% | Pass |
| L54 | 9 - 5 | Pole + Reinf. | TP44.11x43.302x0.75 | Reinf. 3 Tension Rupture | 69.8% | Pass |
| L55 | 5 - 4.75 | Pole + Reinf. | TP44.16x44.11x0.9125 | Reinf. 3 Tension Rupture | 63.3% | Pass |
| L56 | 4.75 - 4.5 | Pole + Reinf. | TP44.211x44.16x0.875 | Reinf. 1 Compression | 63.8% | Pass |
| L57 | 4.5 - 0 | Pole + Reinf. | TP45.12x44.211x0.85 | Reinf. 1 Compression | 65.0% | Pass |
| | | | | | Summary | |
| | | | | Pole | 57.3% | Pass |
| | | | | Reinforcement | 76.7% | Pass |
| | | | | Overall | 76.7% | Pass |

Table 5 - Tower Component Stresses vs. Capacity - LC7

| Notes | Component | Elevation (ft) | % Capacity | Pass / Fail |
|-------|------------------------------------|----------------|------------|-------------|
| 1 | Anchor Rods | 0 | 62.0 | Pass |
| 1 | Base Plate | 0 | 46.8 | Pass |
| 1 | Base Foundation (Structure) | 0 | 78.8 | Pass |
| 1 | Base Foundation (Soil Interaction) | 0 | 49.3 | Pass |

| | |
|---|--------------|
| Structure Rating (max from all components) = | 78.8% |
|---|--------------|

Notes:

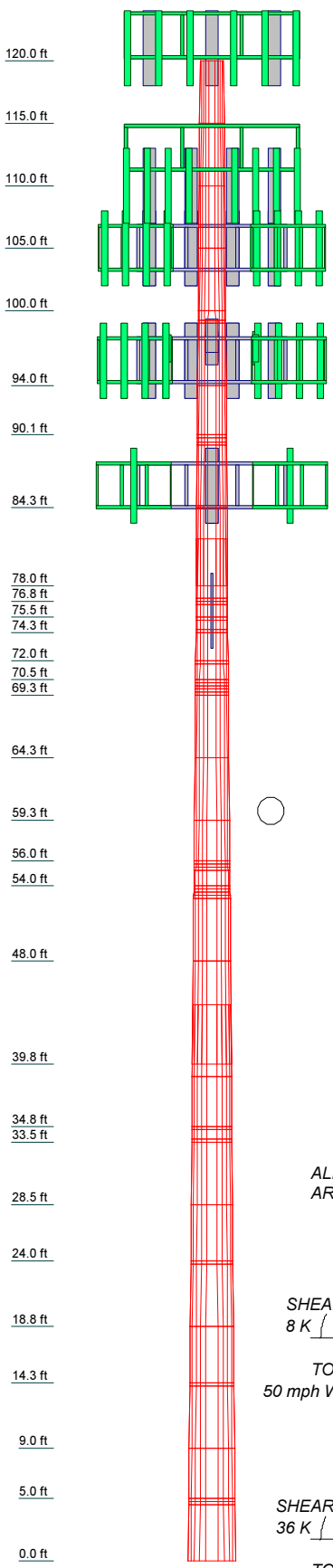
- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.

4.1) Recommendations

The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

APPENDIX A
TNXTOWER OUTPUT

| Section | Length (ft) | Number of Sides | Thickness (in) | Socket Length (ft) | Top Dia (in) | Bot Dia (in) | Grade | Weight (K) |
|---------|-------------|-----------------|----------------|--------------------|--------------|--------------|-------|------------|
| 1 | 5.00 | 12 | 0.2500 | 23.0102 | 22.0000 | 23.0102 | 0.3 | 0.3 |
| 2 | 5.00 | 12 | 0.2500 | 24.0205 | 23.0102 | 24.0205 | 0.3 | 0.3 |
| 3 | 5.00 | 12 | 0.2500 | 25.0307 | 24.0205 | 25.0307 | 0.3 | 0.3 |
| 4 | 5.00 | 12 | 0.2500 | 26.0410 | 25.0307 | 26.0410 | 0.3 | 0.3 |
| 5 | 5.00 | 12 | 0.2500 | 27.0513 | 26.0410 | 27.0513 | 0.3 | 0.3 |
| 6 | 5.00 | 12 | 0.2500 | 28.0616 | 27.0513 | 28.0616 | 0.3 | 0.3 |
| 7 | 5.00 | 12 | 0.2500 | 29.0719 | 28.0616 | 29.0719 | 0.3 | 0.3 |
| 8 | 5.00 | 12 | 0.2500 | 30.0822 | 29.0719 | 30.0822 | 0.3 | 0.3 |
| 9 | 5.00 | 12 | 0.2500 | 31.0925 | 30.0822 | 31.0925 | 0.3 | 0.3 |
| 10 | 5.00 | 12 | 0.2500 | 32.1028 | 31.0925 | 32.1028 | 0.3 | 0.3 |
| 11 | 5.00 | 12 | 0.2500 | 33.1131 | 32.1028 | 33.1131 | 0.3 | 0.3 |
| 12 | 5.00 | 12 | 0.2500 | 34.1234 | 33.1131 | 34.1234 | 0.3 | 0.3 |
| 13 | 5.00 | 12 | 0.2500 | 35.1337 | 34.1234 | 35.1337 | 0.3 | 0.3 |
| 14 | 5.00 | 12 | 0.2500 | 36.1440 | 35.1337 | 36.1440 | 0.3 | 0.3 |
| 15 | 5.00 | 12 | 0.2500 | 37.1543 | 36.1440 | 37.1543 | 0.3 | 0.3 |
| 16 | 5.00 | 12 | 0.2500 | 38.1646 | 37.1543 | 38.1646 | 0.3 | 0.3 |
| 17 | 5.00 | 12 | 0.2500 | 39.1749 | 38.1646 | 39.1749 | 0.3 | 0.3 |
| 18 | 5.00 | 12 | 0.2500 | 40.1852 | 39.1749 | 40.1852 | 0.3 | 0.3 |
| 19 | 5.00 | 12 | 0.2500 | 41.1955 | 40.1852 | 41.1955 | 0.3 | 0.3 |
| 20 | 5.00 | 12 | 0.2500 | 42.2058 | 41.1955 | 42.2058 | 0.3 | 0.3 |
| 21 | 5.00 | 12 | 0.2500 | 43.2161 | 42.2058 | 43.2161 | 0.3 | 0.3 |
| 22 | 5.00 | 12 | 0.2500 | 44.2264 | 43.2161 | 44.2264 | 0.3 | 0.3 |
| 23 | 5.00 | 12 | 0.2500 | 45.2367 | 44.2264 | 45.2367 | 0.3 | 0.3 |
| 24 | 5.00 | 12 | 0.2500 | 46.2470 | 45.2367 | 46.2470 | 0.3 | 0.3 |
| 25 | 5.00 | 12 | 0.2500 | 47.2573 | 46.2470 | 47.2573 | 0.3 | 0.3 |
| 26 | 5.00 | 12 | 0.2500 | 48.2676 | 47.2573 | 48.2676 | 0.3 | 0.3 |
| 27 | 5.00 | 12 | 0.2500 | 49.2779 | 48.2676 | 49.2779 | 0.3 | 0.3 |
| 28 | 5.00 | 12 | 0.2500 | 50.2882 | 49.2779 | 50.2882 | 0.3 | 0.3 |
| 29 | 5.00 | 12 | 0.2500 | 51.2985 | 50.2882 | 51.2985 | 0.3 | 0.3 |
| 30 | 5.00 | 12 | 0.2500 | 52.3088 | 51.2985 | 52.3088 | 0.3 | 0.3 |
| 31 | 5.00 | 12 | 0.2500 | 53.3191 | 52.3088 | 53.3191 | 0.3 | 0.3 |
| 32 | 5.00 | 12 | 0.2500 | 54.3294 | 53.3191 | 54.3294 | 0.3 | 0.3 |
| 33 | 5.00 | 12 | 0.2500 | 55.3397 | 54.3294 | 55.3397 | 0.3 | 0.3 |
| 34 | 5.00 | 12 | 0.2500 | 56.3500 | 55.3397 | 56.3500 | 0.3 | 0.3 |
| 35 | 5.00 | 12 | 0.2500 | 57.3603 | 56.3500 | 57.3603 | 0.3 | 0.3 |
| 36 | 5.00 | 12 | 0.2500 | 58.3706 | 57.3603 | 58.3706 | 0.3 | 0.3 |
| 37 | 5.00 | 12 | 0.2500 | 59.3809 | 58.3706 | 59.3809 | 0.3 | 0.3 |
| 38 | 5.00 | 12 | 0.2500 | 60.3912 | 59.3809 | 60.3912 | 0.3 | 0.3 |
| 39 | 5.00 | 12 | 0.2500 | 61.4015 | 60.3912 | 61.4015 | 0.3 | 0.3 |
| 40 | 5.00 | 12 | 0.2500 | 62.4118 | 61.4015 | 62.4118 | 0.3 | 0.3 |
| 41 | 5.00 | 12 | 0.2500 | 63.4221 | 62.4118 | 63.4221 | 0.3 | 0.3 |
| 42 | 5.00 | 12 | 0.2500 | 64.4324 | 63.4221 | 64.4324 | 0.3 | 0.3 |
| 43 | 5.00 | 12 | 0.2500 | 65.4427 | 64.4324 | 65.4427 | 0.3 | 0.3 |
| 44 | 5.00 | 12 | 0.2500 | 66.4530 | 65.4427 | 66.4530 | 0.3 | 0.3 |
| 45 | 5.00 | 12 | 0.2500 | 67.4633 | 66.4530 | 67.4633 | 0.3 | 0.3 |
| 46 | 5.00 | 12 | 0.2500 | 68.4736 | 67.4633 | 68.4736 | 0.3 | 0.3 |
| 47 | 5.00 | 12 | 0.2500 | 69.4839 | 68.4736 | 69.4839 | 0.3 | 0.3 |
| 48 | 5.00 | 12 | 0.2500 | 70.4942 | 69.4839 | 70.4942 | 0.3 | 0.3 |
| 49 | 5.00 | 12 | 0.2500 | 71.5045 | 70.4942 | 71.5045 | 0.3 | 0.3 |
| 50 | 5.00 | 12 | 0.2500 | 72.5148 | 71.5045 | 72.5148 | 0.3 | 0.3 |
| 51 | 5.00 | 12 | 0.2500 | 73.5251 | 72.5148 | 73.5251 | 0.3 | 0.3 |
| 52 | 5.00 | 12 | 0.2500 | 74.5354 | 73.5251 | 74.5354 | 0.3 | 0.3 |
| 53 | 5.00 | 12 | 0.2500 | 75.5457 | 74.5354 | 75.5457 | 0.3 | 0.3 |
| 54 | 5.00 | 12 | 0.2500 | 76.5560 | 75.5457 | 76.5560 | 0.3 | 0.3 |
| 55 | 5.00 | 12 | 0.2500 | 77.5663 | 76.5560 | 77.5663 | 0.3 | 0.3 |
| 56 | 5.00 | 12 | 0.2500 | 78.5766 | 77.5663 | 78.5766 | 0.3 | 0.3 |
| 57 | 5.00 | 12 | 0.2500 | 79.5869 | 78.5766 | 79.5869 | 0.3 | 0.3 |
| 58 | 5.00 | 12 | 0.2500 | 80.5972 | 79.5869 | 80.5972 | 0.3 | 0.3 |
| 59 | 5.00 | 12 | 0.2500 | 81.6075 | 80.5972 | 81.6075 | 0.3 | 0.3 |
| 60 | 5.00 | 12 | 0.2500 | 82.6178 | 81.6075 | 82.6178 | 0.3 | 0.3 |
| 61 | 5.00 | 12 | 0.2500 | 83.6281 | 82.6178 | 83.6281 | 0.3 | 0.3 |
| 62 | 5.00 | 12 | 0.2500 | 84.6384 | 83.6281 | 84.6384 | 0.3 | 0.3 |
| 63 | 5.00 | 12 | 0.2500 | 85.6487 | 84.6384 | 85.6487 | 0.3 | 0.3 |
| 64 | 5.00 | 12 | 0.2500 | 86.6590 | 85.6487 | 86.6590 | 0.3 | 0.3 |
| 65 | 5.00 | 12 | 0.2500 | 87.6693 | 86.6590 | 87.6693 | 0.3 | 0.3 |
| 66 | 5.00 | 12 | 0.2500 | 88.6796 | 87.6693 | 88.6796 | 0.3 | 0.3 |
| 67 | 5.00 | 12 | 0.2500 | 89.6899 | 88.6796 | 89.6899 | 0.3 | 0.3 |
| 68 | 5.00 | 12 | 0.2500 | 90.7002 | 89.6899 | 90.7002 | 0.3 | 0.3 |
| 69 | 5.00 | 12 | 0.2500 | 91.7105 | 90.7002 | 91.7105 | 0.3 | 0.3 |
| 70 | 5.00 | 12 | 0.2500 | 92.7208 | 91.7105 | 92.7208 | 0.3 | 0.3 |
| 71 | 5.00 | 12 | 0.2500 | 93.7311 | 92.7208 | 93.7311 | 0.3 | 0.3 |
| 72 | 5.00 | 12 | 0.2500 | 94.7414 | 93.7311 | 94.7414 | 0.3 | 0.3 |
| 73 | 5.00 | 12 | 0.2500 | 95.7517 | 94.7414 | 95.7517 | 0.3 | 0.3 |
| 74 | 5.00 | 12 | 0.2500 | 96.7620 | 95.7517 | 96.7620 | 0.3 | 0.3 |
| 75 | 5.00 | 12 | 0.2500 | 97.7723 | 96.7620 | 97.7723 | 0.3 | 0.3 |
| 76 | 5.00 | 12 | 0.2500 | 98.7826 | 97.7723 | 98.7826 | 0.3 | 0.3 |
| 77 | 5.00 | 12 | 0.2500 | 99.7929 | 98.7826 | 99.7929 | 0.3 | 0.3 |
| 78 | 5.00 | 12 | 0.2500 | 100.8032 | 99.7929 | 100.8032 | 0.3 | 0.3 |
| 79 | 5.00 | 12 | 0.2500 | 101.8135 | 100.8032 | 101.8135 | 0.3 | 0.3 |
| 80 | 5.00 | 12 | 0.2500 | 102.8238 | 101.8135 | 102.8238 | 0.3 | 0.3 |
| 81 | 5.00 | 12 | 0.2500 | 103.8341 | 102.8238 | 103.8341 | 0.3 | 0.3 |
| 82 | 5.00 | 12 | 0.2500 | 104.8444 | 103.8341 | 104.8444 | 0.3 | 0.3 |
| 83 | 5.00 | 12 | 0.2500 | 105.8547 | 104.8444 | 105.8547 | 0.3 | 0.3 |
| 84 | 5.00 | 12 | 0.2500 | 106.8650 | 105.8547 | 106.8650 | 0.3 | 0.3 |
| 85 | 5.00 | 12 | 0.2500 | 107.8753 | 106.8650 | 107.8753 | 0.3 | 0.3 |
| 86 | 5.00 | 12 | 0.2500 | 108.8856 | 107.8753 | 108.8856 | 0.3 | 0.3 |
| 87 | 5.00 | 12 | 0.2500 | 109.8959 | 108.8856 | 109.8959 | 0.3 | 0.3 |
| 88 | 5.00 | 12 | 0.2500 | 110.9062 | 109.8959 | 110.9062 | 0.3 | 0.3 |
| 89 | 5.00 | 12 | 0.2500 | 111.9165 | 110.9062 | 111.9165 | 0.3 | 0.3 |
| 90 | 5.00 | 12 | 0.2500 | 112.9268 | 111.9165 | 112.9268 | 0.3 | 0.3 |
| 91 | 5.00 | 12 | 0.2500 | 113.9371 | 112.9268 | 113.9371 | 0.3 | 0.3 |
| 92 | 5.00 | 12 | 0.2500 | 114.9474 | 113.9371 | 114.9474 | 0.3 | 0.3 |
| 93 | 5.00 | 12 | 0.2500 | 115.9577 | 114.9474 | 115.9577 | 0.3 | 0.3 |
| 94 | 5.00 | 12 | 0.2500 | 116.9680 | 115.9577 | 116.9680 | 0.3 | 0.3 |
| 95 | 5.00 | 12 | 0.2500 | 117.9783 | 116.9680 | 117.9783 | 0.3 | 0.3 |
| 96 | 5.00 | 12 | 0.2500 | 118.9886 | 117.9783 | 118.9886 | 0.3 | 0.3 |
| 97 | 5.00 | 12 | 0.2500 | 119.9989 | 118.9886 | 119.9989 | 0.3 | 0.3 |
| 98 | 5.00 | 12 | 0.2500 | 120.0092 | 119.9989 | 120.0092 | 0.3 | 0.3 |

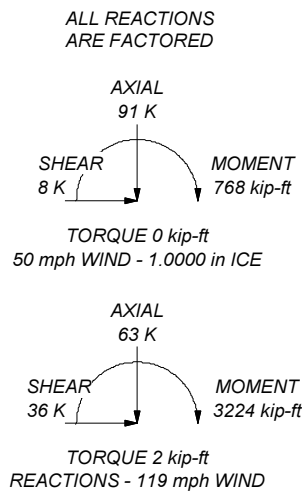


MATERIAL STRENGTH

| GRADE | Fy | Fu | GRADE | Fy | Fu |
|---------|--------|--------|-------|----|----|
| A607-60 | 60 ksi | 75 ksi | | | |

TOWER DESIGN NOTES

1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 119 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 76.7%



Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317
Phone: (724) 416-2000
FAX:

| | | |
|--|---------------------------|------------|
| Job: BU# 876320 | Project: | |
| Client: Crown Castle | Drawn by: Matthew Schmitt | App'd: |
| Code: TIA-222-H | Date: 06/28/22 | Scale: NTS |
| Path: C:\Work Area\876320\WO 2131218 - SAIProd\876320_R.en | Dwg No. E-1 | |

Tower Input Data

The tower is a monopole.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

- Tower is located in New Haven County, Connecticut.
- Tower base elevation above sea level: 213.00 ft.
- Basic wind speed of 119 mph.
- Risk Category II.
- Exposure Category C.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 1.0000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- TOWER RATING: 76.7%.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.05.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

| | | |
|--|---|---|
| Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification ✓ Use Code Stress Ratios ✓ Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile Include Bolts In Member Capacity Leg Bolts Are At Top Of Section Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided) SR Members Have Cut Ends SR Members Are Concentric | Distribute Leg Loads As Uniform Assume Legs Pinned ✓ Assume Rigid Index Plate ✓ Use Clear Spans For Wind Area Use Clear Spans For KL/r Retension Guys To Initial Tension ✓ Bypass Mast Stability Checks ✓ Use Azimuth Dish Coefficients ✓ Project Wind Area of Appurt. Autocalc Torque Arm Areas Add IBC .6D+W Combination ✓ Sort Capacity Reports By Component Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs | Use ASCE 10 X-Brace Ly Rules Calculate Redundant Bracing Forces Ignore Redundant Members in FEA SR Leg Bolts Resist Compression All Leg Panels Have Same Allowable Offset Girt At Foundation ✓ Consider Feed Line Torque Include Angle Block Shear Check Use TIA-222-H Bracing Resist. Exemption Use TIA-222-H Tension Splice Exemption <div style="text-align: center; background-color: #e0e0e0; padding: 2px;">Poles</div> ✓ Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets Pole Without Linear Attachments Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are Known |
|--|---|---|

Tapered Pole Section Geometry

| Section | Elevation ft | Section Length ft | Splice Length ft | Number of Sides | Top Diameter in | Bottom Diameter in | Wall Thickness in | Bend Radius in | Pole Grade |
|---------|-----------------|-------------------------|------------------------|-----------------------|-----------------------|--------------------------|-------------------------|----------------------|---------------------|
| L1 | 120.00-115.00 | 5.00 | 0.00 | 12 | 22.0000 | 23.0102 | 0.2500 | 1.0000 | A607-60 (60 ksi) |
| L2 | 115.00-110.00 | 5.00 | 0.00 | 12 | 23.0102 | 24.0205 | 0.2500 | 1.0000 | A607-60 (60 ksi) |
| L3 | 110.00-105.00 | 5.00 | 0.00 | 12 | 24.0205 | 25.0307 | 0.2500 | 1.0000 | A607-60 (60 ksi) |
| L4 | 105.00-100.00 | 5.00 | 0.00 | 12 | 25.0307 | 26.0410 | 0.2500 | 1.0000 | A607-60 (60 ksi) |
| L5 | 100.00-99.25 | 0.75 | 0.00 | 12 | 26.0410 | 26.1925 | 0.2500 | 1.0000 | A607-60 (60 ksi) |
| L6 | 99.25-99.00 | 0.25 | 0.00 | 12 | 26.1925 | 26.2430 | 0.3563 | 1.4250 | A607-60 (60 ksi) |
| L7 | 99.00-94.00 | 5.00 | 0.00 | 12 | 26.2430 | 27.2532 | 0.3563 | 1.4250 | A607-60 (60 ksi) |
| L8 | 94.00-90.08 | 3.92 | 0.00 | 12 | 27.2532 | 28.0453 | 0.3125 | 1.2500 | A607-60 (60 ksi) |
| L9 | 90.08-89.83 | 0.25 | 0.00 | 12 | 28.0453 | 28.0958 | 0.5125 | 2.0500 | A607-60 (60 ksi) |
| L10 | 89.83-89.50 | 0.33 | 0.00 | 12 | 28.0958 | 28.1625 | 0.5125 | 2.0500 | A607-60 (60 ksi) |
| L11 | 89.50-89.25 | 0.25 | 0.00 | 12 | 28.1625 | 28.2130 | 0.7250 | 2.9000 | A607-60 (60 ksi) |
| L12 | 89.25-84.25 | 5.00 | 0.00 | 12 | 28.2130 | 29.2232 | 0.7000 | 2.8000 | A607-60 (60 ksi) |
| L13 | 84.25-78.00 | 6.25 | 3.75 | 12 | 29.2232 | 30.4860 | 0.7000 | 2.8000 | A607-60 (60 ksi) |
| L14 | 78.00-77.00 | 4.75 | 0.00 | 12 | 29.2283 | 30.1880 | 0.8625 | 3.4500 | A607-60 (60 ksi) |
| L15 | 77.00-76.75 | 0.25 | 0.00 | 12 | 30.1880 | 30.2385 | 0.8625 | 3.4500 | A607-60 (60 ksi) |
| L16 | 76.75-76.50 | 0.25 | 0.00 | 12 | 30.2385 | 30.2890 | 0.9625 | 3.8500 | A607-60 (60 ksi) |
| L17 | 76.50-75.50 | 1.00 | 0.00 | 12 | 30.2890 | 30.4911 | 0.9625 | 3.8500 | A607-60 (60 ksi) |
| L18 | 75.50-75.25 | 0.25 | 0.00 | 12 | 30.4911 | 30.5416 | 0.7625 | 3.0500 | A607-60 (60 ksi) |
| L19 | 75.25-74.50 | 0.75 | 0.00 | 12 | 30.5416 | 30.6931 | 0.7625 | 3.0500 | A607-60 (60 ksi) |
| L20 | 74.50-74.25 | 0.25 | 0.00 | 12 | 30.6931 | 30.7436 | 0.8375 | 3.3500 | A607-60 (60 ksi) |
| L21 | 74.25-72.00 | 2.25 | 0.00 | 12 | 30.7436 | 31.1982 | 0.8250 | 3.3000 | A607-60 (60 ksi) |
| L22 | 72.00-71.75 | 0.25 | 0.00 | 12 | 31.1982 | 31.2487 | 0.7625 | 3.0500 | A607-60 (60 ksi) |
| L23 | 71.75-70.50 | 1.25 | 0.00 | 12 | 31.2487 | 31.5013 | 0.7625 | 3.0500 | A607-60 (60 ksi) |
| L24 | 70.50-70.25 | 0.25 | 0.00 | 12 | 31.5013 | 31.5518 | 0.7875 | 3.1500 | A607-60 (60 ksi) |
| L25 | 70.25-70.00 | 0.25 | 0.00 | 12 | 31.5518 | 31.6023 | 0.7875 | 3.1500 | A607-60 (60 ksi) |
| L26 | 70.00-69.75 | 0.25 | 0.00 | 12 | 31.6023 | 31.6528 | 0.7250 | 2.9000 | A607-60 (60 ksi) |
| L27 | 69.75-69.50 | 0.25 | 0.00 | 12 | 31.6528 | 31.7033 | 0.8750 | 3.5000 | A607-60 (60 ksi) |
| L28 | 69.50-69.25 | 0.25 | 0.00 | 12 | 31.7033 | 31.7538 | 0.7500 | 3.0000 | A607-60 (60 ksi) |
| L29 | 69.25-64.25 | 5.00 | 0.00 | 12 | 31.7538 | 32.7640 | 0.7375 | 2.9500 | A607-60 (60 ksi) |
| L30 | 64.25-59.25 | 5.00 | 0.00 | 12 | 32.7640 | 33.7742 | 0.7125 | 2.8500 | A607-60 (60 ksi) |
| L31 | 59.25-56.00 | 3.25 | 0.00 | 12 | 33.7742 | 34.4309 | 0.7125 | 2.8500 | A607-60 (60 ksi) |
| L32 | 56.00-55.75 | 0.25 | 0.00 | 12 | 34.4309 | 34.4814 | 0.8125 | 3.2500 | A607-60 (60 ksi) |
| L33 | 55.75-55.50 | 0.25 | 0.00 | 12 | 34.4814 | 34.5319 | 0.8125 | 3.2500 | A607-60 (60 ksi) |
| L34 | 55.50-55.25 | 0.25 | 0.00 | 12 | 34.5319 | 34.5824 | 0.8875 | 3.5500 | A607-60 (60 ksi) |
| L35 | 55.25-54.00 | 1.25 | 0.00 | 12 | 34.5824 | 34.8349 | 0.8750 | 3.5000 | A607-60 |

| Section | Elevation ft | Section Length ft | Splice Length ft | Number of Sides | Top Diameter in | Bottom Diameter in | Wall Thickness in | Bend Radius in | Pole Grade |
|---------|-----------------|-------------------------|------------------------|-----------------------|-----------------------|--------------------------|-------------------------|----------------------|---------------------|
| L36 | 54.00-53.75 | 0.25 | 0.00 | 12 | 34.8349 | 34.8854 | 0.7500 | 3.0000 | (60 ksi) A607-60 |
| L37 | 53.75-53.50 | 0.25 | 0.00 | 12 | 34.8854 | 34.9359 | 0.7375 | 2.9500 | (60 ksi) A607-60 |
| L38 | 53.50-53.25 | 0.25 | 0.00 | 12 | 34.9359 | 34.9865 | 0.6625 | 2.6500 | (60 ksi) A607-60 |
| L39 | 53.25-53.00 | 0.25 | 0.00 | 12 | 34.9865 | 35.0370 | 0.6000 | 2.4000 | (60 ksi) A607-60 |
| L40 | 53.00-48.00 | 5.00 | 0.00 | 12 | 35.0370 | 36.0472 | 0.5875 | 2.3500 | (60 ksi) A607-60 |
| L41 | 48.00-39.75 | 8.25 | 4.75 | 12 | 36.0472 | 37.7140 | 0.5875 | 2.3500 | (60 ksi) A607-60 |
| L42 | 39.75-38.75 | 5.75 | 0.00 | 12 | 36.1293 | 37.2910 | 0.6625 | 2.6500 | (60 ksi) A607-60 |
| L43 | 38.75-34.75 | 4.00 | 0.00 | 12 | 37.2910 | 38.0992 | 0.6625 | 2.6500 | (60 ksi) A607-60 |
| L44 | 34.75-34.50 | 0.25 | 0.00 | 12 | 38.0992 | 38.1497 | 0.8250 | 3.3000 | (60 ksi) A607-60 |
| L45 | 34.50-33.75 | 0.75 | 0.00 | 12 | 38.1497 | 38.3012 | 0.8250 | 3.3000 | (60 ksi) A607-60 |
| L46 | 33.75-33.50 | 0.25 | 0.00 | 12 | 38.3012 | 38.3517 | 0.6250 | 2.5000 | (60 ksi) A607-60 |
| L47 | 33.50-28.50 | 5.00 | 0.00 | 12 | 38.3517 | 39.3619 | 0.6125 | 2.4500 | (60 ksi) A607-60 |
| L48 | 28.50-24.00 | 4.50 | 0.00 | 12 | 39.3619 | 40.2711 | 0.6625 | 2.6500 | (60 ksi) A607-60 |
| L49 | 24.00-23.75 | 0.25 | 0.00 | 12 | 40.2711 | 40.3216 | 0.7000 | 2.8000 | (60 ksi) A607-60 |
| L50 | 23.75-18.75 | 5.00 | 0.00 | 12 | 40.3216 | 41.3318 | 0.6875 | 2.7500 | (60 ksi) A607-60 |
| L51 | 18.75-14.25 | 4.50 | 0.00 | 12 | 41.3318 | 42.2410 | 0.6750 | 2.7000 | (60 ksi) A607-60 |
| L52 | 14.25-14.00 | 0.25 | 0.00 | 12 | 42.2410 | 42.2915 | 0.7750 | 3.1000 | (60 ksi) A607-60 |
| L53 | 14.00-9.00 | 5.00 | 0.00 | 12 | 42.2915 | 43.3017 | 0.7625 | 3.0500 | (60 ksi) A607-60 |
| L54 | 9.00-5.00 | 4.00 | 0.00 | 12 | 43.3017 | 44.1098 | 0.7500 | 3.0000 | (60 ksi) A607-60 |
| L55 | 5.00-4.75 | 0.25 | 0.00 | 12 | 44.1098 | 44.1603 | 0.9000 | 3.6000 | (60 ksi) A607-60 |
| L56 | 4.75-4.50 | 0.25 | 0.00 | 12 | 44.1603 | 44.2108 | 0.7500 | 3.0000 | (60 ksi) A607-60 |
| L57 | 4.50-0.00 | 4.50 | | 12 | 44.2108 | 45.1200 | 0.7500 | 3.0000 | (60 ksi) A607-60 |

Tapered Pole Properties

| Section | Tip Dia. in | Area in ² | I in ⁴ | r in | C in | I/C in ³ | J in ⁴ | It/Q in ² | w in | w/t |
|---------|----------------|-------------------------|----------------------|---------|---------|------------------------|----------------------|-------------------------|---------|--------|
| L1 | 22.6879 | 17.5087 | 1057.2060 | 7.7865 | 11.3960 | 92.7699 | 2142.1860 | 8.6173 | 5.2260 | 20.904 |
| | 23.7338 | 18.3220 | 1211.4688 | 8.1482 | 11.9193 | 101.6392 | 2454.7642 | 9.0175 | 5.4967 | 21.987 |
| L2 | 23.7338 | 18.3220 | 1211.4688 | 8.1482 | 11.9193 | 101.6392 | 2454.7642 | 9.0175 | 5.4967 | 21.987 |
| | 24.7796 | 19.1352 | 1380.0520 | 8.5098 | 12.4426 | 110.9134 | 2796.3596 | 9.4178 | 5.7675 | 23.07 |
| L3 | 24.7796 | 19.1352 | 1380.0520 | 8.5098 | 12.4426 | 110.9134 | 2796.3596 | 9.4178 | 5.7675 | 23.07 |
| | 25.8255 | 19.9485 | 1563.5914 | 8.8715 | 12.9659 | 120.5925 | 3168.2601 | 9.8180 | 6.0382 | 24.153 |
| L4 | 25.8255 | 19.9485 | 1563.5914 | 8.8715 | 12.9659 | 120.5925 | 3168.2601 | 9.8180 | 6.0382 | 24.153 |
| | 26.8714 | 20.7617 | 1762.7225 | 9.2332 | 13.4892 | 130.6765 | 3571.7537 | 10.2183 | 6.3090 | 25.236 |
| L5 | 26.8714 | 20.7617 | 1762.7225 | 9.2332 | 13.4892 | 130.6765 | 3571.7537 | 10.2183 | 6.3090 | 25.236 |
| | 27.0283 | 20.8837 | 1793.9763 | 9.2874 | 13.5677 | 132.2240 | 3635.0824 | 10.2783 | 6.3496 | 25.398 |
| L6 | 26.9908 | 29.6374 | 2525.1346 | 9.2494 | 13.5677 | 186.1136 | 5116.6072 | 14.5866 | 6.0648 | 17.024 |
| | 27.0431 | 29.6953 | 2539.9741 | 9.2675 | 13.5939 | 186.8470 | 5146.6761 | 14.6151 | 6.0784 | 17.062 |
| L7 | 27.0431 | 29.6953 | 2539.9741 | 9.2675 | 13.5939 | 186.8470 | 5146.6761 | 14.6151 | 6.0784 | 17.062 |
| | 28.0890 | 30.8542 | 2849.0997 | 9.6291 | 14.1172 | 201.8179 | 5773.0484 | 15.1855 | 6.3491 | 17.822 |
| L8 | 28.1044 | 27.1091 | 2511.4256 | 9.6448 | 14.1172 | 177.8986 | 5088.8291 | 13.3423 | 6.4664 | 20.692 |

| Section | Tip Dia. in | Area in ² | I in ⁴ | r in | C in | I/C in ³ | J in ⁴ | It/Q in ² | w in | w/t |
|---------|----------------|-------------------------|----------------------|---------|---------|------------------------|----------------------|-------------------------|---------|--------|
| L9 | 28.9244 | 27.9061 | 2739.5003 | 9.9283 | 14.5274 | 188.5741 | 5550.9704 | 13.7345 | 6.6786 | 21.372 |
| | 28.8538 | 45.4359 | 4396.2783 | 9.8567 | 14.5274 | 302.6188 | 8908.0517 | 22.3622 | 6.1426 | 11.986 |
| | 28.9061 | 45.5193 | 4420.5191 | 9.8748 | 14.5536 | 303.7403 | 8957.1702 | 22.4032 | 6.1562 | 12.012 |
| L10 | 28.9061 | 45.5193 | 4420.5191 | 9.8748 | 14.5536 | 303.7403 | 8957.1702 | 22.4032 | 6.1562 | 12.012 |
| | 28.9751 | 45.6293 | 4452.6528 | 9.8987 | 14.5882 | 305.2240 | 9022.2818 | 22.4574 | 6.1740 | 12.047 |
| L11 | 28.9002 | 64.0527 | 6154.7606 | 9.8226 | 14.5882 | 421.9014 | 12471.213 | 31.5248 | 5.6045 | 7.73 |
| | 28.9525 | 64.1707 | 6188.8157 | 9.8407 | 14.6143 | 423.4763 | 12540.218 | 31.5828 | 5.6181 | 7.749 |
| L12 | 28.9613 | 62.0142 | 5991.7268 | 9.8496 | 14.6143 | 409.9902 | 12140.862 | 30.5215 | 5.6851 | 8.122 |
| | 30.0072 | 64.2913 | 6676.2823 | 10.2113 | 15.1376 | 441.0391 | 13527.958 | 31.6422 | 5.9558 | 8.508 |
| L13 | 30.0072 | 64.2913 | 6676.2823 | 10.2113 | 15.1376 | 441.0391 | 13527.958 | 31.6422 | 5.9558 | 8.508 |
| | 31.3145 | 67.1376 | 7602.8499 | 10.6634 | 15.7917 | 481.4445 | 15405.435 | 33.0431 | 6.2942 | 8.992 |
| L14 | 30.7395 | 78.7790 | 8090.7168 | 10.1550 | 15.1403 | 534.3839 | 16393.985 | 38.7726 | 5.5217 | 6.402 |
| | 30.9487 | 81.4443 | 8940.0035 | 10.4985 | 15.6374 | 571.7069 | 18114.870 | 40.0844 | 5.7789 | 6.7 |
| L15 | 30.9487 | 81.4443 | 8940.0035 | 10.4985 | 15.6374 | 571.7069 | 18114.870 | 40.0844 | 5.7789 | 6.7 |
| | 31.0010 | 81.5846 | 8986.2777 | 10.5166 | 15.6636 | 573.7062 | 18208.634 | 40.1534 | 5.7924 | 6.716 |
| L16 | 30.9657 | 90.7337 | 9926.1015 | 10.4808 | 15.6636 | 633.7069 | 20112.972 | 44.6564 | 5.5244 | 5.74 |
| | 31.0180 | 90.8903 | 9977.5667 | 10.4989 | 15.6897 | 635.9303 | 20217.255 | 44.7334 | 5.5380 | 5.754 |
| L17 | 31.0180 | 90.8903 | 9977.5667 | 10.4989 | 15.6897 | 635.9303 | 20217.255 | 44.7334 | 5.5380 | 5.754 |
| | 31.2271 | 91.5164 | 10185.206 | 10.5712 | 15.7944 | 644.8629 | 20637.990 | 45.0416 | 5.5921 | 5.81 |
| L18 | 31.2977 | 72.9911 | 8233.8656 | 10.6428 | 15.7944 | 521.3163 | 16684.043 | 35.9240 | 6.1281 | 8.037 |
| | 31.3500 | 73.1151 | 8275.9059 | 10.6609 | 15.8205 | 523.1115 | 16769.229 | 35.9850 | 6.1416 | 8.055 |
| L19 | 31.3500 | 73.1151 | 8275.9059 | 10.6609 | 15.8205 | 523.1115 | 16769.229 | 35.9850 | 6.1416 | 8.055 |
| | 31.5069 | 73.4871 | 8402.8850 | 10.7152 | 15.8990 | 528.5155 | 17026.523 | 36.1681 | 6.1823 | 8.108 |
| L20 | 31.4804 | 80.5131 | 9160.1910 | 10.6883 | 15.8990 | 576.1477 | 18561.030 | 39.6261 | 5.9813 | 7.142 |
| | 31.5327 | 80.6493 | 9206.7616 | 10.7064 | 15.9252 | 578.1255 | 18655.395 | 39.6931 | 5.9948 | 7.158 |
| L21 | 31.5371 | 79.4788 | 9080.7242 | 10.7109 | 15.9252 | 570.2112 | 18400.009 | 39.1171 | 6.0283 | 7.307 |
| | 32.0077 | 80.6864 | 9500.9688 | 10.8736 | 16.1607 | 587.9067 | 19251.538 | 39.7114 | 6.1501 | 7.455 |
| L22 | 32.0298 | 74.7273 | 8835.5182 | 10.8960 | 16.1607 | 546.7296 | 17903.155 | 36.7785 | 6.3176 | 8.285 |
| | 32.0821 | 74.8513 | 8879.5805 | 10.9141 | 16.1868 | 548.5680 | 17992.437 | 36.8395 | 6.3312 | 8.303 |
| L23 | 32.0821 | 74.8513 | 8879.5805 | 10.9141 | 16.1868 | 548.5680 | 17992.437 | 36.8395 | 6.3312 | 8.303 |
| | 32.3435 | 75.4714 | 9102.0909 | 11.0045 | 16.3177 | 557.8062 | 18443.303 | 37.1447 | 6.3988 | 8.392 |
| L24 | 32.3347 | 77.8824 | 9377.6023 | 10.9955 | 16.3177 | 574.6904 | 19001.564 | 38.3314 | 6.3318 | 8.04 |
| | 32.3870 | 78.0105 | 9423.9439 | 11.0136 | 16.3438 | 576.6059 | 19095.465 | 38.3944 | 6.3454 | 8.058 |
| L25 | 32.3870 | 78.0105 | 9423.9439 | 11.0136 | 16.3438 | 576.6059 | 19095.465 | 38.3944 | 6.3454 | 8.058 |
| | 32.4393 | 78.1386 | 9470.4380 | 11.0317 | 16.3700 | 578.5245 | 19189.674 | 38.4574 | 6.3589 | 8.075 |
| L26 | 32.4613 | 72.0830 | 8771.9753 | 11.0541 | 16.3700 | 535.8572 | 17774.400 | 35.4771 | 6.5264 | 9.002 |
| | 32.5136 | 72.2010 | 8815.0942 | 11.0722 | 16.3962 | 537.6319 | 17861.770 | 35.5351 | 6.5400 | 9.021 |
| L27 | 32.4607 | 86.7165 | 10484.860 | 11.0185 | 16.3962 | 639.4708 | 21245.169 | 42.6792 | 6.1380 | 7.015 |

| Section | Tip Dia. in | Area in ² | I in ⁴ | r in | C in | I/C in ³ | J in ⁴ | It/Q in ² | w in | w/t |
|---------|----------------|-------------------------|----------------------|---------|---------|------------------------|----------------------|-------------------------|---------|--------|
| | | | 0 | | | | 0 | | | |
| | 32.5130 | 86.8588 | 10536.565 | 11.0365 | 16.4223 | 641.6005 | 21349.938 | 42.7492 | 6.1515 | 7.03 |
| L28 | 32.5571 | 74.7522 | 9141.6464 | 11.0813 | 16.4223 | 556.6600 | 18523.454 | 36.7908 | 6.4865 | 8.649 |
| | 32.6094 | 74.8742 | 9186.4718 | 11.0994 | 16.4485 | 558.4998 | 18614.282 | 36.8508 | 6.5000 | 8.667 |
| L29 | 32.6138 | 73.6560 | 9044.2945 | 11.1038 | 16.4485 | 549.8560 | 18326.192 | 36.2512 | 6.5335 | 8.859 |
| | 33.6596 | 76.0550 | 9957.1062 | 11.4655 | 16.9718 | 586.6866 | 20175.796 | 37.4319 | 6.8043 | 9.226 |
| L30 | 33.6685 | 73.5342 | 9642.1220 | 11.4744 | 16.9718 | 568.1273 | 19537.553 | 36.1913 | 6.8713 | 9.644 |
| | 34.7143 | 75.8519 | 10582.860 | 11.8361 | 17.4950 | 604.9061 | 21443.744 | 37.3320 | 7.1420 | 10.024 |
| L31 | 34.7143 | 75.8519 | 10582.860 | 11.8361 | 17.4950 | 604.9061 | 21443.744 | 37.3320 | 7.1420 | 10.024 |
| | 35.3941 | 77.3583 | 11226.016 | 12.0712 | 17.8352 | 629.4310 | 22746.952 | 38.0734 | 7.3180 | 10.271 |
| L32 | 35.3588 | 87.9540 | 12688.036 | 12.0354 | 17.8352 | 711.4050 | 25709.401 | 43.2883 | 7.0500 | 8.677 |
| | 35.4111 | 88.0862 | 12745.311 | 12.0535 | 17.8613 | 713.5695 | 25825.457 | 43.3533 | 7.0635 | 8.694 |
| L33 | 35.4111 | 88.0862 | 12745.311 | 12.0535 | 17.8613 | 713.5695 | 25825.457 | 43.3533 | 7.0635 | 8.694 |
| | 35.4634 | 88.2183 | 12802.759 | 12.0715 | 17.8875 | 715.7374 | 25941.861 | 43.4184 | 7.0770 | 8.71 |
| L34 | 35.4369 | 96.1472 | 13891.445 | 12.0447 | 17.8875 | 776.6003 | 28147.833 | 47.3207 | 6.8760 | 7.748 |
| | 35.4892 | 96.2915 | 13954.104 | 12.0628 | 17.9137 | 778.9639 | 28274.798 | 47.3918 | 6.8896 | 7.763 |
| L35 | 35.4936 | 94.9705 | 13772.884 | 12.0672 | 17.9137 | 768.8476 | 27907.598 | 46.7416 | 6.9231 | 7.912 |
| | 35.7551 | 95.6821 | 14084.785 | 12.1577 | 18.0445 | 780.5586 | 28539.593 | 47.0918 | 6.9908 | 7.989 |
| L36 | 35.7992 | 82.3151 | 12206.476 | 12.2024 | 18.0445 | 676.4654 | 24733.629 | 40.5130 | 7.3258 | 9.768 |
| | 35.8515 | 82.4371 | 12260.822 | 12.2205 | 18.0707 | 678.4934 | 24843.750 | 40.5730 | 7.3393 | 9.786 |
| L37 | 35.8559 | 81.0928 | 12069.725 | 12.2250 | 18.0707 | 667.9184 | 24456.535 | 39.9114 | 7.3728 | 9.997 |
| | 35.9082 | 81.2128 | 12123.363 | 12.2430 | 18.0968 | 669.9167 | 24565.220 | 39.9705 | 7.3863 | 10.015 |
| L38 | 35.9347 | 73.1138 | 10962.287 | 12.2699 | 18.0968 | 605.7576 | 22212.565 | 35.9844 | 7.5873 | 11.453 |
| | 35.9869 | 73.2216 | 11010.825 | 12.2880 | 18.1230 | 607.5613 | 22310.916 | 36.0374 | 7.6009 | 11.473 |
| L39 | 36.0090 | 66.4346 | 10026.641 | 12.3104 | 18.1230 | 553.2555 | 20316.693 | 32.6971 | 7.7684 | 12.947 |
| | 36.0613 | 66.5322 | 10070.890 | 12.3284 | 18.1492 | 554.8960 | 20406.354 | 32.7451 | 7.7819 | 12.97 |
| L40 | 36.0657 | 65.1698 | 9871.8223 | 12.3329 | 18.1492 | 543.9275 | 20002.988 | 32.0746 | 7.8154 | 13.303 |
| | 37.1115 | 67.0808 | 10765.984 | 12.6946 | 18.6724 | 576.5710 | 21814.804 | 33.0151 | 8.0861 | 13.764 |
| L41 | 37.1115 | 67.0808 | 10765.984 | 12.6946 | 18.6724 | 576.5710 | 21814.804 | 33.0151 | 8.0861 | 13.764 |
| | 38.8372 | 70.2341 | 12356.677 | 13.2913 | 19.5359 | 632.5129 | 25037.979 | 34.5671 | 8.5329 | 14.524 |
| L42 | 38.1636 | 75.6596 | 12147.700 | 12.6971 | 18.7150 | 649.0896 | 24614.535 | 37.2373 | 7.9072 | 11.935 |
| | 38.3728 | 78.1378 | 13380.925 | 13.1130 | 19.3168 | 692.7109 | 27113.381 | 38.4571 | 8.2185 | 12.405 |
| L43 | 38.3728 | 78.1378 | 13380.925 | 13.1130 | 19.3168 | 692.7109 | 27113.381 | 38.4571 | 8.2185 | 12.405 |
| | 39.2095 | 79.8618 | 14286.297 | 13.4023 | 19.7354 | 723.8929 | 28947.911 | 39.3055 | 8.4351 | 12.732 |
| L44 | 39.1521 | 99.0189 | 17559.820 | 13.3442 | 19.7354 | 889.7637 | 35580.956 | 48.7341 | 7.9996 | 9.696 |
| | 39.2044 | 99.1530 | 17631.302 | 13.3622 | 19.7615 | 892.2029 | 35725.799 | 48.8001 | 8.0131 | 9.713 |

| Section | Tip Dia. in | Area in ² | I in ⁴ | r in | C in | I/C in ³ | J in ⁴ | I/Q in ² | w in | w/t |
|---------|----------------|-------------------------|----------------------|---------|---------|------------------------|----------------------|------------------------|---------|--------|
| L45 | 39.2044 | 99.1530 | 17631.302 6 | 13.3622 | 19.7615 | 892.2029 | 35725.799 1 | 48.8001 | 8.0131 | 9.713 |
| | 39.3613 | 99.5556 | 17846.910 3 | 13.4165 | 19.8400 | 899.5404 | 36162.678 8 | 48.9982 | 8.0537 | 9.762 |
| L46 | 39.4319 | 75.8234 | 13738.007 3 | 13.4881 | 19.8400 | 692.4388 | 27836.927 3 | 37.3180 | 8.5897 | 13.744 |
| | 39.4842 | 75.9250 | 13793.334 3 | 13.5062 | 19.8662 | 694.3118 | 27949.034 8 | 37.3680 | 8.6033 | 13.765 |
| L47 | 39.4886 | 74.4312 | 13530.908 3 | 13.5106 | 19.8662 | 681.1022 | 27417.288 6 | 36.6328 | 8.6368 | 14.101 |
| | 40.5344 | 76.4235 | 14646.824 1 | 13.8723 | 20.3895 | 718.3522 | 29678.436 6 | 37.6133 | 8.9075 | 14.543 |
| L48 | 40.5168 | 82.5555 | 15781.235 7 | 13.8544 | 20.3895 | 773.9894 | 31977.062 0 | 40.6313 | 8.7735 | 13.243 |
| | 41.4580 | 84.4950 | 16919.823 1 | 14.1799 | 20.8604 | 811.0968 | 34284.148 9 | 41.5859 | 9.0172 | 13.611 |
| L49 | 41.4448 | 89.1932 | 17826.819 6 | 14.1664 | 20.8604 | 854.5761 | 36121.969 5 | 43.8982 | 8.9167 | 12.738 |
| | 41.4971 | 89.3071 | 17895.169 8 | 14.1845 | 20.8866 | 856.7780 | 36260.465 7 | 43.9542 | 8.9302 | 12.757 |
| L50 | 41.5015 | 87.7400 | 17592.253 0 | 14.1890 | 20.8866 | 842.2751 | 35646.674 0 | 43.1830 | 8.9637 | 13.038 |
| | 42.5473 | 89.9763 | 18971.998 6 | 14.5507 | 21.4099 | 886.1335 | 38442.412 8 | 44.2836 | 9.2344 | 13.432 |
| L51 | 42.5517 | 88.3675 | 18644.244 5 | 14.5551 | 21.4099 | 870.8249 | 37778.294 1 | 43.4918 | 9.2679 | 13.73 |
| | 43.4929 | 90.3436 | 19923.196 1 | 14.8806 | 21.8808 | 910.5326 | 40369.796 7 | 44.4644 | 9.5116 | 14.091 |
| L52 | 43.4577 | 103.4783 | 22710.080 1 | 14.8448 | 21.8808 | 1037.8991 | 46016.779 3 | 50.9289 | 9.2436 | 11.927 |
| | 43.5100 | 103.6043 | 22793.169 6 | 14.8629 | 21.9070 | 1040.4524 | 46185.141 1 | 50.9909 | 9.2571 | 11.945 |
| L53 | 43.5144 | 101.9640 | 22445.799 9 | 14.8674 | 21.9070 | 1024.5958 | 45481.275 9 | 50.1836 | 9.2906 | 12.184 |
| | 44.5602 | 104.4443 | 24123.945 5 | 15.2290 | 22.4303 | 1075.5090 | 48881.653 9 | 51.4043 | 9.5613 | 12.539 |
| L54 | 44.5646 | 102.7623 | 23749.394 7 | 15.2335 | 22.4303 | 1058.8106 | 48122.712 5 | 50.5765 | 9.5948 | 12.793 |
| | 45.4013 | 104.7139 | 25128.420 8 | 15.5228 | 22.8489 | 1099.7659 | 50916.993 3 | 51.5370 | 9.8114 | 13.082 |
| L55 | 45.3483 | 125.2220 | 29842.238 8 | 15.4691 | 22.8489 | 1306.0700 | 60468.466 4 | 61.6305 | 9.4094 | 10.455 |
| | 45.4006 | 125.3684 | 29947.013 2 | 15.4872 | 22.8750 | 1309.1564 | 60680.767 8 | 61.7025 | 9.4230 | 10.47 |
| L56 | 45.4536 | 104.8359 | 25216.339 7 | 15.5409 | 22.8750 | 1102.3514 | 51095.140 8 | 51.5971 | 9.8250 | 13.1 |
| | 45.5058 | 104.9579 | 25304.461 7 | 15.5590 | 22.9012 | 1104.9400 | 51273.699 8 | 51.6571 | 9.8385 | 13.118 |
| L57 | 45.5058 | 104.9579 | 25304.461 7 | 15.5590 | 22.9012 | 1104.9400 | 51273.699 8 | 51.6571 | 9.8385 | 13.118 |
| | 46.4471 | 107.1536 | 26925.970 9 | 15.8845 | 23.3722 | 1152.0532 | 54559.317 0 | 52.7377 | 10.0822 | 13.443 |

| Tower Elevation | Gusset Area (per face) | Gusset Thickness | Gusset Grade | Adjust. Factor A _r | Adjust. Factor A _r | Weight Mult. | Double Angle Stitch Spacing Diagonals | Double Angle Stitch Bolt Spacing Horizontals | Double Angle Stitch Bolt Spacing Redundants |
|------------------|------------------------|------------------|--------------|-------------------------------|-------------------------------|--------------|---------------------------------------|--|---|
| ft | ft ² | in | | | | | in | in | in |
| L1 120.00-115.00 | | | | 1 | 1 | 1 | | | |
| L2 115.00-110.00 | | | | 1 | 1 | 1 | | | |
| L3 110.00-105.00 | | | | 1 | 1 | 1 | | | |
| L4 105.00-100.00 | | | | 1 | 1 | 1 | | | |
| L5 100.00-99.25 | | | | 1 | 1 | 1 | | | |

| Tower Elevation | Gusset Area (per face) | Gusset Thickness | Gusset Grade | Adjust. Factor A_r | Adjust. Factor A_r | Weight Mult. | Double Angle Stitch Bolt Spacing Diagonals in | Double Angle Stitch Bolt Spacing Horizontals in | Double Angle Stitch Bolt Spacing Redundants in |
|-----------------|------------------------|------------------|--------------|----------------------|----------------------|--------------|---|---|--|
| ft | ft ² | in | | | | | | | |
| L6 99.25-99.00 | | | | 1 | 1 | 1.04187 | | | |
| L7 99.00-94.00 | | | | 1 | 1 | 1.0291 | | | |
| L8 94.00-90.08 | | | | 1 | 1 | 1.16066 | | | |
| L9 90.08-89.83 | | | | 1 | 1 | 1.02045 | | | |
| L10 89.83-89.50 | | | | 1 | 1 | 1.01917 | | | |
| L11 89.50-89.25 | | | | 1 | 1 | 0.912595 | | | |
| L12 89.25-84.25 | | | | 1 | 1 | 0.923531 | | | |
| L13 84.25-78.00 | | | | 1 | 1 | 0.913676 | | | |
| L14 78.00-77.00 | | | | 1 | 1 | 0.996207 | | | |
| L15 77.00-76.75 | | | | 1 | 1 | 0.995117 | | | |
| L16 76.75-76.50 | | | | 1 | 1 | 0.948882 | | | |
| L17 76.50-75.50 | | | | 1 | 1 | 0.944612 | | | |
| L18 75.50-75.25 | | | | 1 | 1 | 1.04608 | | | |
| L19 75.25-74.50 | | | | 1 | 1 | 1.04286 | | | |
| L20 74.50-74.25 | | | | 1 | 1 | 0.888787 | | | |
| L21 74.25-72.00 | | | | 1 | 1 | 0.894048 | | | |
| L22 72.00-71.75 | | | | 1 | 1 | 1.07313 | | | |
| L23 71.75-70.50 | | | | 1 | 1 | 1.06768 | | | |
| L24 70.50-70.25 | | | | 1 | 1 | 1.09135 | | | |
| L25 70.25-70.00 | | | | 1 | 1 | 1.09021 | | | |
| L26 70.00-69.75 | | | | 1 | 1 | 1.11122 | | | |
| L27 69.75-69.50 | | | | 1 | 1 | 0.981926 | | | |
| L28 69.50-69.25 | | | | 1 | 1 | 0.979276 | | | |
| L29 69.25-64.25 | | | | 1 | 1 | 0.977438 | | | |
| L30 64.25-59.25 | | | | 1 | 1 | 0.993457 | | | |
| L31 59.25-56.00 | | | | 1 | 1 | 0.982651 | | | |
| L32 56.00-55.75 | | | | 1 | 1 | 1.01703 | | | |
| L33 55.75-55.50 | | | | 1 | 1 | 1.01608 | | | |
| L34 55.50-55.25 | | | | 1 | 1 | 0.978222 | | | |
| L35 55.25-54.00 | | | | 1 | 1 | 0.987109 | | | |
| L36 54.00-53.75 | | | | 1 | 1 | 1.03699 | | | |
| L37 53.75-53.50 | | | | 1 | 1 | 1.05325 | | | |
| L38 53.50-53.25 | | | | 1 | 1 | 1.10735 | | | |
| L39 53.25- | | | | 1 | 1 | 1.09715 | | | |

| Tower Elevation | Gusset Area (per face) | Gusset Thickness | Gusset Grade | Adjust. Factor A_r | Adjust. Factor A_r | Weight Mult. | Double Angle Stitch Bolt Spacing Diagonals in | Double Angle Stitch Bolt Spacing Horizontals in | Double Angle Stitch Bolt Spacing Redundants in |
|-----------------|------------------------|------------------|--------------|----------------------|----------------------|--------------|---|---|--|
| ft | ft ² | in | | | | | | | |
| L40 53.00-48.00 | | | | 1 | 1 | 1.10333 | | | |
| L41 48.00-39.75 | | | | 1 | 1 | 1.09216 | | | |
| L42 39.75-38.75 | | | | 1 | 1 | 0.976499 | | | |
| L43 38.75-34.75 | | | | 1 | 1 | 0.967639 | | | |
| L44 34.75-34.50 | | | | 1 | 1 | 0.981987 | | | |
| L45 34.50-33.75 | | | | 1 | 1 | 0.979855 | | | |
| L46 33.75-33.50 | | | | 1 | 1 | 1.02183 | | | |
| L47 33.50-28.50 | | | | 1 | 1 | 1.03112 | | | |
| L48 28.50-24.00 | | | | 1 | 1 | 0.945617 | | | |
| L49 24.00-23.75 | | | | 1 | 1 | 0.949621 | | | |
| L50 23.75-18.75 | | | | 1 | 1 | 0.956115 | | | |
| L51 18.75-14.25 | | | | 1 | 1 | 0.964379 | | | |
| L52 14.25-14.00 | | | | 1 | 1 | 0.954431 | | | |
| L53 14.00-9.00 | | | | 1 | 1 | 0.958435 | | | |
| L54 9.00-5.00 | | | | 1 | 1 | 0.965286 | | | |
| L55 5.00-4.75 | | | | 1 | 1 | 0.910959 | | | |
| L56 4.75-4.50 | | | | 1 | 1 | 1.04098 | | | |
| L57 4.50-0.00 | | | | 1 | 1 | 1.0299 | | | |

Feed Line/Linear Appurtenances - Entered As Round Or Flat

| Description | Sector | Exclude From Torque Calculation | Component Type | Placement ft | Total Number | Number Per Row | Start/End Position | Width or Diameter in | Perimeter in | Weight plf |
|---|--------|---------------------------------|-------------------|---------------|--------------|----------------|--------------------|----------------------|--------------|------------|
| *** | | | | | | | | | | |
| HB158-21U6S24-xxM_TMO(1-5/8)* | C | No | Surface Ar (CaAa) | 120.00 - 0.00 | 3 | 3 | 0.000 - 0.000 | 1.9960 | | 2.50 |
| LDF7-50A(1-5/8)* | A | No | Surface Ar (CaAa) | 113.00 - 0.00 | 2 | 2 | 0.250 - 0.250 | 1.9800 | | 0.82 |
| HCS 6X12 6AWG(1-3/8) | B | No | Surface Ar (CaAa) | 105.00 - 0.00 | 3 | 3 | -0.250 - -0.250 | 1.3800 | | 1.70 |
| MLE Hybrid 9Power/18Fiber RL 2(1 5/8")* | B | No | Surface Ar (CaAa) | 105.00 - 0.00 | 1 | 1 | -0.220 - -0.220 | 1.6250 | | 1.07 |
| CU12PSM9P8XXX(1-3/8)*Mod 1613579* | B | No | Surface Ar (CaAa) | 86.00 - 0.00 | 1 | 1 | 0.000 - 0.000 | 1.4110 | | 1.66 |
| C6x10.5 | A | No | Surface Af (CaAa) | 56.00 - 7.67 | 1 | 1 | 0.000 - 0.000 | 6.0000 | 16.0600 | 10.50 |
| C6x10.5 | B | No | Surface Af (CaAa) | 56.00 - 8.00 | 1 | 1 | -0.250 - -0.250 | 6.0000 | 16.0600 | 10.50 |
| C6x10.5 | B | No | Surface Af (CaAa) | 56.00 - 0.00 | 1 | 1 | 0.500 - 0.500 | 6.0000 | 16.0600 | 10.50 |
| C6x10.5 | C | No | Surface Af | 56.00 - | 1 | 1 | 0.500 | 6.0000 | 16.0600 | 10.50 |

| Description | Sector | Exclude From Torque Calculation | Component Type | Placement ft | Total Number | Number Per Row | Start/End Position | Width or Diameter in | Perimeter in | Weight plf |
|----------------------------|--------|---------------------------------|-------------------|---------------|--------------|----------------|--------------------|----------------------|--------------|------------|
| | | | (CaAa) | 0.00 | | | 0.500 | | | |
| *Mod 2460630* | | | | | | | | | | |
| (Area) Aero MP3-04 (H) | A | No | Surface Af (CaAa) | 25.42 - 0.00 | 1 | 1 | -0.250 -0.250 | 4.7800 | 12.7800 | 0.00 |
| (Area) Aero MP3-04 (H) | A | No | Surface Af (CaAa) | 25.42 - 0.00 | 1 | 1 | 0.250 0.250 | 4.7800 | 12.7800 | 0.00 |
| (Area) Aero MP3-04 (H) | B | No | Surface Af (CaAa) | 25.42 - 0.00 | 1 | 1 | 0.250 0.250 | 4.7800 | 12.7800 | 0.00 |
| (Area) Aero MP3-04 (H) | C | No | Surface Af (CaAa) | 25.42 - 0.00 | 1 | 1 | -0.250 -0.250 | 4.7800 | 12.7800 | 0.00 |
| *Mod 3338935* | | | | | | | | | | |
| PL 1 x 5 | A | No | Surface Af (CaAa) | 37.00 - 2.50 | 1 | 1 | 0.500 0.500 | 5.0000 | 12.0000 | 0.00 |
| PL 1 x 5 | B | No | Surface Af (CaAa) | 37.00 - 2.50 | 1 | 1 | 0.000 0.000 | 5.0000 | 12.0000 | 0.00 |
| PL 1 x 5 | C | No | Surface Af (CaAa) | 37.00 - 2.50 | 1 | 1 | 0.000 0.000 | 5.0000 | 12.0000 | 0.00 |
| PL 1 x 5 | C | No | Surface Af (CaAa) | 37.00 - 2.50 | 1 | 1 | 0.500 0.500 | 5.0000 | 12.0000 | 0.00 |
| * | | | | | | | | | | |
| PL 1 x 5 | A | No | Surface Af (CaAa) | 72.00 - 31.50 | 1 | 1 | 0.500 0.500 | 5.0000 | 12.0000 | 0.00 |
| PL 1 x 5 | B | No | Surface Af (CaAa) | 72.00 - 31.50 | 1 | 1 | 0.000 0.000 | 5.0000 | 12.0000 | 0.00 |
| PL 1 x 5 | C | No | Surface Af (CaAa) | 72.00 - 31.50 | 1 | 1 | 0.000 0.000 | 5.0000 | 12.0000 | 0.00 |
| PL 1 x 5 | C | No | Surface Af (CaAa) | 72.00 - 31.50 | 1 | 1 | 0.500 0.500 | 5.0000 | 12.0000 | 0.00 |
| *Mod 3349207* | | | | | | | | | | |
| (Area) Aero MP3-03 (H) | A | No | Surface Af (CaAa) | 15.42 - 0.00 | 1 | 1 | 0.500 0.500 | 4.0600 | 11.2600 | 0.00 |
| (Area) Aero MP3-03 (H) | B | No | Surface Af (CaAa) | 15.42 - 0.00 | 1 | 1 | 0.000 0.000 | 4.0600 | 11.2600 | 0.00 |
| (Area) Aero MP3-03 (H) | C | No | Surface Af (CaAa) | 15.42 - 0.00 | 1 | 1 | 0.000 0.000 | 4.0600 | 11.2600 | 0.00 |
| (Area) Aero MP3-03 (H) | C | No | Surface Af (CaAa) | 15.42 - 0.00 | 1 | 1 | 0.500 0.500 | 4.0600 | 11.2600 | 0.00 |
| * | | | | | | | | | | |
| (Area) Aero MP3-03 (H) | A | No | Surface Af (CaAa) | 45.42 - 25.42 | 1 | 1 | -0.250 -0.250 | 4.0600 | 11.2600 | 0.00 |
| (Area) Aero MP3-03 (H) | A | No | Surface Af (CaAa) | 45.42 - 25.42 | 1 | 1 | 0.250 0.250 | 4.0600 | 11.2600 | 0.00 |
| (Area) Aero MP3-03 (H) | B | No | Surface Af (CaAa) | 45.42 - 25.42 | 1 | 1 | 0.250 0.250 | 4.0600 | 11.2600 | 0.00 |
| (Area) Aero MP3-03 (H) | C | No | Surface Af (CaAa) | 45.42 - 25.42 | 1 | 1 | -0.250 -0.250 | 4.0600 | 11.2600 | 0.00 |
| *Mod 4961357* | | | | | | | | | | |
| (Area) CCI-65FP-045100 (H) | A | No | Surface Af (CaAa) | 72.00 - 52.00 | 1 | 1 | -0.250 -0.250 | 4.5000 | 11.0000 | 0.00 |
| (Area) CCI-65FP-045100 (H) | A | No | Surface Af (CaAa) | 72.00 - 52.00 | 1 | 1 | 0.250 0.250 | 4.5000 | 11.0000 | 0.00 |
| (Area) CCI-65FP-045100 (H) | B | No | Surface Af (CaAa) | 72.00 - 52.00 | 1 | 1 | 0.250 0.250 | 4.5000 | 11.0000 | 0.00 |
| *PMI 5760332* | | | | | | | | | | |
| (Area) CCI-65FP-065125 (H) | C | No | Surface Af (CaAa) | 74.75 - 50.50 | 1 | 1 | -0.250 -0.250 | 6.5000 | 15.5000 | 0.00 |
| *Mod 4961357* | | | | | | | | | | |
| (Area) CCI-65FP-060100 (H) | A | No | Surface Af (CaAa) | 92.00 - 67.00 | 1 | 1 | 0.000 0.000 | 6.0000 | 14.0000 | 0.00 |
| (Area) CCI-65FP-060100 (H) | C | No | Surface Af (CaAa) | 92.00 - 67.00 | 1 | 1 | 0.250 0.250 | 6.0000 | 14.0000 | 0.00 |
| * | | | | | | | | | | |
| (Area) CCI-65FP-045100 (H) | A | No | Surface Af (CaAa) | 92.08 - 68.00 | 1 | 1 | 0.250 0.250 | 4.5000 | 11.0000 | 0.00 |
| (Area) CCI-65FP-045100 (H) | B | No | Surface Af (CaAa) | 92.08 - 68.00 | 1 | 1 | 0.250 0.250 | 4.5000 | 11.0000 | 0.00 |
| *Mod 5873963* | | | | | | | | | | |
| (Area) CCI-65FP- | A | No | Surface Af | 57.50 - | 1 | 1 | 0.500 | 4.5000 | 11.0000 | 0.00 |

| Description | Sector | Exclude From Torque Calculation | Component Type | Placement ft | Total Number | Number Per Row | Start/End Position | Width or Diameter in | Perimeter in | Weight plf |
|----------------------------|--------|---------------------------------|-------------------|----------------|--------------|----------------|--------------------|----------------------|--------------|------------|
| 045100 (H) | | | (CaAa) | 42.50 | | | 0.500 | | | |
| (Area) CCI-65FP-045100 (H) | B | No | Surface Af (CaAa) | 57.50 - 42.50 | 1 | 1 | 0.000 | 4.5000 | 11.0000 | 0.00 |
| (Area) CCI-65FP-045100 (H) | C | No | Surface Af (CaAa) | 57.50 - 42.50 | 1 | 1 | -0.250 | 4.5000 | 11.0000 | 0.00 |
| (Area) CCI-65FP-045100 (H) | C | No | Surface Af (CaAa) | 57.25 - 42.25 | 1 | 1 | 0.500 | 4.5000 | 11.0000 | 0.00 |
| * PL 1.25x4 | B | No | Surface Af (CaAa) | 100.75 - 74.00 | 1 | 1 | 0.000 | 4.0000 | 10.5000 | 0.00 |
| PL 1.25x4 | C | No | Surface Af (CaAa) | 100.75 - 74.00 | 1 | 1 | 0.500 | 4.0000 | 10.5000 | 0.00 |
| PL 1.25x4 | C | No | Surface Af (CaAa) | 100.75 - 73.00 | 1 | 1 | -0.250 | 4.0000 | 10.5000 | 0.00 |
| * PL 1.25x4 | A | No | Surface Af (CaAa) | 80.00 - 68.50 | 1 | 1 | -0.250 | 4.0000 | 10.5000 | 0.00 |
| PL 1.25x4 | A | No | Surface Af (CaAa) | 78.25 - 68.25 | 1 | 1 | 0.500 | 4.0000 | 10.5000 | 0.00 |
| PL 1.25x4 | B | No | Surface Af (CaAa) | 80.00 - 68.25 | 1 | 1 | -0.250 | 4.0000 | 10.5000 | 0.00 |
| PL 1.25x4 | B | No | Surface Af (CaAa) | 80.00 - 68.25 | 1 | 1 | 0.500 | 4.0000 | 10.5000 | 0.00 |
| **** | | | | | | | | | | |

Feed Line/Linear Appurtenances - Entered As Area

| Description | Face or Leg | Allow Shield | Exclude From Torque Calculation | Component Type | Placement ft | Total Number | | C _{AA} ft ² /ft | Weight plf |
|-------------------------------|-------------|--------------|---------------------------------|----------------|--------------|--------------|------------------------------|-------------------------------------|----------------------|
| * WR-VG66ST-BRD_CCIV2(7/8) | C | No | No | Inside Pole | 97.00 - 0.00 | 2 | No Ice 1/2" Ice 1" Ice | 0.00 0.00 0.00 | 0.88 0.88 0.88 |
| * FB-L98B-034-XXX(3/8) | C | No | No | Inside Pole | 96.00 - 0.00 | 3 | No Ice 1/2" Ice 1" Ice | 0.00 0.00 0.00 | 0.06 0.06 0.06 |
| WR-VG86ST-BRD(3/4) | C | No | No | Inside Pole | 96.00 - 0.00 | 4 | No Ice 1/2" Ice 1" Ice | 0.00 0.00 0.00 | 0.58 0.58 0.58 |
| LDF6-50A(1 1/4") | C | No | No | Inside Pole | 96.00 - 0.00 | 6 | No Ice 1/2" Ice 1" Ice | 0.00 0.00 0.00 | 0.66 0.66 0.66 |
| 2" Flexible Conduit | C | No | No | Inside Pole | 96.00 - 0.00 | 2 | No Ice 1/2" Ice 1" Ice | 0.00 0.00 0.00 | 0.34 0.34 0.34 |
| * LDF4-50A(1/2) | C | No | No | Inside Pole | 75.00 - 0.00 | 1 | No Ice 1/2" Ice 1" Ice | 0.00 0.00 0.00 | 0.15 0.15 0.15 |
| **** | | | | | | | | | |

Feed Line/Linear Appurtenances Section Areas

| Tower Section | Tower Elevation ft | Face | A _R ft ² | A _F ft ² | C _{AA} In Face ft ² | C _{AA} Out Face ft ² | Weight K |
|---------------|--------------------|------|--------------------------------|--------------------------------|---|--|----------|
| L1 | 120.00-115.00 | A | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |

| Tower Section | Tower Elevation | Face | A _R | A _F | C _{AA} In Face | C _{AA} Out Face | Weight |
|---------------|-----------------|------|-----------------|-----------------|----------------------------|-----------------------------|--------|
| n | ft | | ft ² | ft ² | ft ² | ft ² | K |
| | | B | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 2.994 | 0.000 | 0.04 |
| L2 | 115.00-110.00 | A | 0.000 | 0.000 | 1.188 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 2.994 | 0.000 | 0.04 |
| L3 | 110.00-105.00 | A | 0.000 | 0.000 | 1.980 | 0.000 | 0.01 |
| | | B | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 2.994 | 0.000 | 0.04 |
| L4 | 105.00-100.00 | A | 0.000 | 0.000 | 1.980 | 0.000 | 0.01 |
| | | B | 0.000 | 0.000 | 3.382 | 0.000 | 0.03 |
| | | C | 0.000 | 0.000 | 3.994 | 0.000 | 0.04 |
| L5 | 100.00-99.25 | A | 0.000 | 0.000 | 0.297 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 0.932 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 1.449 | 0.000 | 0.01 |
| L6 | 99.25-99.00 | A | 0.000 | 0.000 | 0.099 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 0.311 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 0.483 | 0.000 | 0.00 |
| L7 | 99.00-94.00 | A | 0.000 | 0.000 | 1.980 | 0.000 | 0.01 |
| | | B | 0.000 | 0.000 | 6.216 | 0.000 | 0.03 |
| | | C | 0.000 | 0.000 | 9.661 | 0.000 | 0.06 |
| L8 | 94.00-90.08 | A | 0.000 | 0.000 | 4.972 | 0.000 | 0.01 |
| | | B | 0.000 | 0.000 | 6.373 | 0.000 | 0.02 |
| | | C | 0.000 | 0.000 | 9.494 | 0.000 | 0.06 |
| L9 | 90.08-89.83 | A | 0.000 | 0.000 | 0.536 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 0.498 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 0.733 | 0.000 | 0.00 |
| L10 | 89.83-89.50 | A | 0.000 | 0.000 | 0.708 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 0.658 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 0.968 | 0.000 | 0.01 |
| L11 | 89.50-89.25 | A | 0.000 | 0.000 | 0.536 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 0.498 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 0.733 | 0.000 | 0.00 |
| L12 | 89.25-84.25 | A | 0.000 | 0.000 | 10.730 | 0.000 | 0.01 |
| | | B | 0.000 | 0.000 | 10.213 | 0.000 | 0.03 |
| | | C | 0.000 | 0.000 | 14.661 | 0.000 | 0.08 |
| L13 | 84.25-78.00 | A | 0.000 | 0.000 | 14.913 | 0.000 | 0.01 |
| | | B | 0.000 | 0.000 | 16.006 | 0.000 | 0.05 |
| | | C | 0.000 | 0.000 | 18.326 | 0.000 | 0.10 |
| L14 | 78.00-77.00 | A | 0.000 | 0.000 | 3.479 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 3.468 | 0.000 | 0.01 |
| | | C | 0.000 | 0.000 | 2.932 | 0.000 | 0.02 |
| L15 | 77.00-76.75 | A | 0.000 | 0.000 | 0.870 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 0.867 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 0.733 | 0.000 | 0.00 |
| L16 | 76.75-76.50 | A | 0.000 | 0.000 | 0.870 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 0.867 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 0.733 | 0.000 | 0.00 |
| L17 | 76.50-75.50 | A | 0.000 | 0.000 | 3.479 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 3.468 | 0.000 | 0.01 |
| | | C | 0.000 | 0.000 | 2.932 | 0.000 | 0.02 |
| L18 | 75.50-75.25 | A | 0.000 | 0.000 | 0.870 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 0.867 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 0.733 | 0.000 | 0.00 |
| L19 | 75.25-74.50 | A | 0.000 | 0.000 | 2.610 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 2.601 | 0.000 | 0.01 |
| | | C | 0.000 | 0.000 | 2.470 | 0.000 | 0.01 |
| L20 | 74.50-74.25 | A | 0.000 | 0.000 | 0.870 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 0.867 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 1.004 | 0.000 | 0.00 |
| L21 | 74.25-72.00 | A | 0.000 | 0.000 | 7.829 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 6.469 | 0.000 | 0.02 |
| | | C | 0.000 | 0.000 | 7.035 | 0.000 | 0.04 |
| L22 | 72.00-71.75 | A | 0.000 | 0.000 | 1.453 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 1.096 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 1.087 | 0.000 | 0.00 |
| L23 | 71.75-70.50 | A | 0.000 | 0.000 | 7.266 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 5.480 | 0.000 | 0.01 |
| | | C | 0.000 | 0.000 | 5.436 | 0.000 | 0.02 |
| L24 | 70.50-70.25 | A | 0.000 | 0.000 | 1.453 | 0.000 | 0.00 |

| Tower Section | Tower Elevation | Face | A _R | A _F | C _{AA} In Face | C _{AA} Out Face | Weight |
|---------------|-----------------|------|-----------------|-----------------|----------------------------|-----------------------------|--------|
| n | ft | | ft ² | ft ² | ft ² | ft ² | K |
| | | B | 0.000 | 0.000 | 1.096 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 1.087 | 0.000 | 0.00 |
| L25 | 70.25-70.00 | A | 0.000 | 0.000 | 1.453 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 1.096 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 1.087 | 0.000 | 0.00 |
| L26 | 70.00-69.75 | A | 0.000 | 0.000 | 1.453 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 1.096 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 1.087 | 0.000 | 0.00 |
| L27 | 69.75-69.50 | A | 0.000 | 0.000 | 1.453 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 1.096 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 1.087 | 0.000 | 0.00 |
| L28 | 69.50-69.25 | A | 0.000 | 0.000 | 1.453 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 1.096 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 1.087 | 0.000 | 0.00 |
| L29 | 69.25-64.25 | A | 0.000 | 0.000 | 18.001 | 0.000 | 0.01 |
| | | B | 0.000 | 0.000 | 13.776 | 0.000 | 0.04 |
| | | C | 0.000 | 0.000 | 18.994 | 0.000 | 0.08 |
| L30 | 64.25-59.25 | A | 0.000 | 0.000 | 13.647 | 0.000 | 0.01 |
| | | B | 0.000 | 0.000 | 11.505 | 0.000 | 0.04 |
| | | C | 0.000 | 0.000 | 16.744 | 0.000 | 0.08 |
| L31 | 59.25-56.00 | A | 0.000 | 0.000 | 9.995 | 0.000 | 0.01 |
| | | B | 0.000 | 0.000 | 8.603 | 0.000 | 0.03 |
| | | C | 0.000 | 0.000 | 12.946 | 0.000 | 0.05 |
| L32 | 56.00-55.75 | A | 0.000 | 0.000 | 1.120 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 1.263 | 0.000 | 0.01 |
| | | C | 0.000 | 0.000 | 1.462 | 0.000 | 0.01 |
| L33 | 55.75-55.50 | A | 0.000 | 0.000 | 1.120 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 1.263 | 0.000 | 0.01 |
| | | C | 0.000 | 0.000 | 1.462 | 0.000 | 0.01 |
| L34 | 55.50-55.25 | A | 0.000 | 0.000 | 1.120 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 1.263 | 0.000 | 0.01 |
| | | C | 0.000 | 0.000 | 1.462 | 0.000 | 0.01 |
| L35 | 55.25-54.00 | A | 0.000 | 0.000 | 5.599 | 0.000 | 0.02 |
| | | B | 0.000 | 0.000 | 6.314 | 0.000 | 0.04 |
| | | C | 0.000 | 0.000 | 7.311 | 0.000 | 0.03 |
| L36 | 54.00-53.75 | A | 0.000 | 0.000 | 1.120 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 1.263 | 0.000 | 0.01 |
| | | C | 0.000 | 0.000 | 1.462 | 0.000 | 0.01 |
| L37 | 53.75-53.50 | A | 0.000 | 0.000 | 1.120 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 1.263 | 0.000 | 0.01 |
| | | C | 0.000 | 0.000 | 1.462 | 0.000 | 0.01 |
| L38 | 53.50-53.25 | A | 0.000 | 0.000 | 1.120 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 1.263 | 0.000 | 0.01 |
| | | C | 0.000 | 0.000 | 1.462 | 0.000 | 0.01 |
| L39 | 53.25-53.00 | A | 0.000 | 0.000 | 1.120 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 1.263 | 0.000 | 0.01 |
| | | C | 0.000 | 0.000 | 1.462 | 0.000 | 0.01 |
| L40 | 53.00-48.00 | A | 0.000 | 0.000 | 16.397 | 0.000 | 0.06 |
| | | B | 0.000 | 0.000 | 22.255 | 0.000 | 0.14 |
| | | C | 0.000 | 0.000 | 26.536 | 0.000 | 0.14 |
| L41 | 48.00-39.75 | A | 0.000 | 0.000 | 30.190 | 0.000 | 0.10 |
| | | B | 0.000 | 0.000 | 37.257 | 0.000 | 0.24 |
| | | C | 0.000 | 0.000 | 39.214 | 0.000 | 0.22 |
| L42 | 39.75-38.75 | A | 0.000 | 0.000 | 3.583 | 0.000 | 0.01 |
| | | B | 0.000 | 0.000 | 4.228 | 0.000 | 0.03 |
| | | C | 0.000 | 0.000 | 3.942 | 0.000 | 0.03 |
| L43 | 38.75-34.75 | A | 0.000 | 0.000 | 16.206 | 0.000 | 0.05 |
| | | B | 0.000 | 0.000 | 18.785 | 0.000 | 0.12 |
| | | C | 0.000 | 0.000 | 19.519 | 0.000 | 0.11 |
| L44 | 34.75-34.50 | A | 0.000 | 0.000 | 1.104 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 1.265 | 0.000 | 0.01 |
| | | C | 0.000 | 0.000 | 1.402 | 0.000 | 0.01 |
| L45 | 34.50-33.75 | A | 0.000 | 0.000 | 3.312 | 0.000 | 0.01 |
| | | B | 0.000 | 0.000 | 3.796 | 0.000 | 0.02 |
| | | C | 0.000 | 0.000 | 4.207 | 0.000 | 0.02 |
| L46 | 33.75-33.50 | A | 0.000 | 0.000 | 1.104 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 1.265 | 0.000 | 0.01 |
| | | C | 0.000 | 0.000 | 1.402 | 0.000 | 0.01 |
| L47 | 33.50-28.50 | A | 0.000 | 0.000 | 19.580 | 0.000 | 0.06 |

| Tower Section | Tower Elevation | Face | A _R | A _F | C _{AA} In Face | C _{AA} Out Face | Weight |
|---------------|-----------------|------|-----------------|-----------------|----------------------------|-----------------------------|--------|
| n | ft | | ft ² | ft ² | ft ² | ft ² | K |
| | | B | 0.000 | 0.000 | 22.805 | 0.000 | 0.14 |
| | | C | 0.000 | 0.000 | 23.044 | 0.000 | 0.14 |
| L48 | 28.50-24.00 | A | 0.000 | 0.000 | 16.463 | 0.000 | 0.05 |
| | | B | 0.000 | 0.000 | 19.195 | 0.000 | 0.13 |
| | | C | 0.000 | 0.000 | 17.910 | 0.000 | 0.12 |
| L49 | 24.00-23.75 | A | 0.000 | 0.000 | 0.956 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 1.087 | 0.000 | 0.01 |
| | | C | 0.000 | 0.000 | 1.016 | 0.000 | 0.01 |
| L50 | 23.75-18.75 | A | 0.000 | 0.000 | 19.113 | 0.000 | 0.06 |
| | | B | 0.000 | 0.000 | 21.738 | 0.000 | 0.14 |
| | | C | 0.000 | 0.000 | 20.311 | 0.000 | 0.14 |
| L51 | 18.75-14.25 | A | 0.000 | 0.000 | 17.994 | 0.000 | 0.05 |
| | | B | 0.000 | 0.000 | 20.356 | 0.000 | 0.13 |
| | | C | 0.000 | 0.000 | 19.863 | 0.000 | 0.12 |
| L52 | 14.25-14.00 | A | 0.000 | 0.000 | 1.125 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 1.256 | 0.000 | 0.01 |
| | | C | 0.000 | 0.000 | 1.354 | 0.000 | 0.01 |
| L53 | 14.00-9.00 | A | 0.000 | 0.000 | 22.497 | 0.000 | 0.06 |
| | | B | 0.000 | 0.000 | 25.121 | 0.000 | 0.14 |
| | | C | 0.000 | 0.000 | 27.077 | 0.000 | 0.14 |
| L54 | 9.00-5.00 | A | 0.000 | 0.000 | 15.327 | 0.000 | 0.02 |
| | | B | 0.000 | 0.000 | 17.097 | 0.000 | 0.08 |
| | | C | 0.000 | 0.000 | 21.662 | 0.000 | 0.11 |
| L55 | 5.00-4.75 | A | 0.000 | 0.000 | 0.875 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 1.006 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 1.354 | 0.000 | 0.01 |
| L56 | 4.75-4.50 | A | 0.000 | 0.000 | 0.875 | 0.000 | 0.00 |
| | | B | 0.000 | 0.000 | 1.006 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 1.354 | 0.000 | 0.01 |
| L57 | 4.50-0.00 | A | 0.000 | 0.000 | 13.664 | 0.000 | 0.01 |
| | | B | 0.000 | 0.000 | 16.026 | 0.000 | 0.08 |
| | | C | 0.000 | 0.000 | 20.203 | 0.000 | 0.12 |

Feed Line/Linear Appurtenances Section Areas - With Ice

| Tower Section | Tower Elevation | Face or Leg | Ice Thickness | A _R | A _F | C _{AA} In Face | C _{AA} Out Face | Weight |
|---------------|-----------------|-------------|---------------|-----------------|-----------------|----------------------------|-----------------------------|--------|
| n | ft | | in | ft ² | ft ² | ft ² | ft ² | K |
| L1 | 120.00-115.00 | A | 0.965 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| | | B | | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| | | C | | 0.000 | 0.000 | 4.949 | 0.000 | 0.07 |
| L2 | 115.00-110.00 | A | 0.961 | 0.000 | 0.000 | 2.206 | 0.000 | 0.02 |
| | | B | | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| | | C | | 0.000 | 0.000 | 4.944 | 0.000 | 0.07 |
| L3 | 110.00-105.00 | A | 0.957 | 0.000 | 0.000 | 3.671 | 0.000 | 0.03 |
| | | B | | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| | | C | | 0.000 | 0.000 | 4.938 | 0.000 | 0.07 |
| L4 | 105.00-100.00 | A | 0.952 | 0.000 | 0.000 | 3.665 | 0.000 | 0.03 |
| | | B | | 0.000 | 0.000 | 6.185 | 0.000 | 0.08 |
| | | C | | 0.000 | 0.000 | 6.218 | 0.000 | 0.08 |
| L5 | 100.00-99.25 | A | 0.949 | 0.000 | 0.000 | 0.549 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.473 | 0.000 | 0.01 |
| | | C | | 0.000 | 0.000 | 2.024 | 0.000 | 0.02 |
| L6 | 99.25-99.00 | A | 0.949 | 0.000 | 0.000 | 0.183 | 0.000 | 0.00 |
| | | B | | 0.000 | 0.000 | 0.491 | 0.000 | 0.00 |
| | | C | | 0.000 | 0.000 | 0.675 | 0.000 | 0.01 |
| L7 | 99.00-94.00 | A | 0.946 | 0.000 | 0.000 | 3.658 | 0.000 | 0.03 |
| | | B | | 0.000 | 0.000 | 9.809 | 0.000 | 0.10 |
| | | C | | 0.000 | 0.000 | 13.485 | 0.000 | 0.14 |
| L8 | 94.00-90.08 | A | 0.942 | 0.000 | 0.000 | 7.022 | 0.000 | 0.05 |
| | | B | | 0.000 | 0.000 | 9.555 | 0.000 | 0.09 |
| | | C | | 0.000 | 0.000 | 12.842 | 0.000 | 0.14 |
| L9 | 90.08-89.83 | A | 0.940 | 0.000 | 0.000 | 0.714 | 0.000 | 0.00 |
| | | B | | 0.000 | 0.000 | 0.724 | 0.000 | 0.01 |
| | | C | | 0.000 | 0.000 | 0.970 | 0.000 | 0.01 |
| L10 | 89.83-89.50 | A | 0.939 | 0.000 | 0.000 | 0.942 | 0.000 | 0.01 |

| Tower Section | Tower Elevation ft | Face or Leg | Ice Thickness in | A _R ft ² | A _F ft ² | C _A A _A In Face ft ² | C _A A _A Out Face ft ² | Weight K |
|---------------|--------------------|-------------|------------------|--------------------------------|--------------------------------|---|--|----------|
| | | B | | 0.000 | 0.000 | 0.955 | 0.000 | 0.01 |
| | | C | | 0.000 | 0.000 | 1.280 | 0.000 | 0.01 |
| L11 | 89.50-89.25 | A | 0.939 | 0.000 | 0.000 | 0.714 | 0.000 | 0.00 |
| | | B | | 0.000 | 0.000 | 0.724 | 0.000 | 0.01 |
| | | C | | 0.000 | 0.000 | 0.970 | 0.000 | 0.01 |
| L12 | 89.25-84.25 | A | 0.936 | 0.000 | 0.000 | 14.268 | 0.000 | 0.09 |
| | | B | | 0.000 | 0.000 | 15.037 | 0.000 | 0.13 |
| | | C | | 0.000 | 0.000 | 19.388 | 0.000 | 0.20 |
| L13 | 84.25-78.00 | A | 0.930 | 0.000 | 0.000 | 19.703 | 0.000 | 0.13 |
| | | B | | 0.000 | 0.000 | 23.481 | 0.000 | 0.20 |
| | | C | | 0.000 | 0.000 | 24.202 | 0.000 | 0.25 |
| L14 | 78.00-77.00 | A | 0.926 | 0.000 | 0.000 | 4.502 | 0.000 | 0.03 |
| | | B | | 0.000 | 0.000 | 4.910 | 0.000 | 0.04 |
| | | C | | 0.000 | 0.000 | 3.872 | 0.000 | 0.04 |
| L15 | 77.00-76.75 | A | 0.925 | 0.000 | 0.000 | 1.124 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.226 | 0.000 | 0.01 |
| | | C | | 0.000 | 0.000 | 0.967 | 0.000 | 0.01 |
| L16 | 76.75-76.50 | A | 0.925 | 0.000 | 0.000 | 1.124 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.226 | 0.000 | 0.01 |
| | | C | | 0.000 | 0.000 | 0.967 | 0.000 | 0.01 |
| L17 | 76.50-75.50 | A | 0.924 | 0.000 | 0.000 | 4.496 | 0.000 | 0.03 |
| | | B | | 0.000 | 0.000 | 4.902 | 0.000 | 0.04 |
| | | C | | 0.000 | 0.000 | 3.867 | 0.000 | 0.04 |
| L18 | 75.50-75.25 | A | 0.923 | 0.000 | 0.000 | 1.124 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.225 | 0.000 | 0.01 |
| | | C | | 0.000 | 0.000 | 0.967 | 0.000 | 0.01 |
| L19 | 75.25-74.50 | A | 0.923 | 0.000 | 0.000 | 3.371 | 0.000 | 0.02 |
| | | B | | 0.000 | 0.000 | 3.675 | 0.000 | 0.03 |
| | | C | | 0.000 | 0.000 | 3.216 | 0.000 | 0.03 |
| L20 | 74.50-74.25 | A | 0.922 | 0.000 | 0.000 | 1.124 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.225 | 0.000 | 0.01 |
| | | C | | 0.000 | 0.000 | 1.283 | 0.000 | 0.01 |
| L21 | 74.25-72.00 | A | 0.920 | 0.000 | 0.000 | 10.109 | 0.000 | 0.06 |
| | | B | | 0.000 | 0.000 | 9.316 | 0.000 | 0.08 |
| | | C | | 0.000 | 0.000 | 8.994 | 0.000 | 0.09 |
| L22 | 72.00-71.75 | A | 0.919 | 0.000 | 0.000 | 1.844 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.499 | 0.000 | 0.01 |
| | | C | | 0.000 | 0.000 | 1.366 | 0.000 | 0.01 |
| L23 | 71.75-70.50 | A | 0.918 | 0.000 | 0.000 | 9.218 | 0.000 | 0.05 |
| | | B | | 0.000 | 0.000 | 7.492 | 0.000 | 0.05 |
| | | C | | 0.000 | 0.000 | 6.828 | 0.000 | 0.06 |
| L24 | 70.50-70.25 | A | 0.917 | 0.000 | 0.000 | 1.843 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.498 | 0.000 | 0.01 |
| | | C | | 0.000 | 0.000 | 1.365 | 0.000 | 0.01 |
| L25 | 70.25-70.00 | A | 0.917 | 0.000 | 0.000 | 1.843 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.498 | 0.000 | 0.01 |
| | | C | | 0.000 | 0.000 | 1.365 | 0.000 | 0.01 |
| L26 | 70.00-69.75 | A | 0.916 | 0.000 | 0.000 | 1.843 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.498 | 0.000 | 0.01 |
| | | C | | 0.000 | 0.000 | 1.365 | 0.000 | 0.01 |
| L27 | 69.75-69.50 | A | 0.916 | 0.000 | 0.000 | 1.843 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.498 | 0.000 | 0.01 |
| | | C | | 0.000 | 0.000 | 1.365 | 0.000 | 0.01 |
| L28 | 69.50-69.25 | A | 0.916 | 0.000 | 0.000 | 1.843 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.497 | 0.000 | 0.01 |
| | | C | | 0.000 | 0.000 | 1.365 | 0.000 | 0.01 |
| L29 | 69.25-64.25 | A | 0.912 | 0.000 | 0.000 | 23.280 | 0.000 | 0.14 |
| | | B | | 0.000 | 0.000 | 19.665 | 0.000 | 0.16 |
| | | C | | 0.000 | 0.000 | 24.029 | 0.000 | 0.22 |
| L30 | 64.25-59.25 | A | 0.905 | 0.000 | 0.000 | 17.988 | 0.000 | 0.11 |
| | | B | | 0.000 | 0.000 | 16.773 | 0.000 | 0.14 |
| | | C | | 0.000 | 0.000 | 21.339 | 0.000 | 0.20 |
| L31 | 59.25-56.00 | A | 0.899 | 0.000 | 0.000 | 13.069 | 0.000 | 0.08 |
| | | B | | 0.000 | 0.000 | 12.276 | 0.000 | 0.10 |
| | | C | | 0.000 | 0.000 | 16.410 | 0.000 | 0.15 |
| L32 | 56.00-55.75 | A | 0.896 | 0.000 | 0.000 | 1.425 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.658 | 0.000 | 0.02 |
| | | C | | 0.000 | 0.000 | 1.824 | 0.000 | 0.02 |
| L33 | 55.75-55.50 | A | 0.896 | 0.000 | 0.000 | 1.424 | 0.000 | 0.01 |

| Tower Section | Tower Elevation ft | Face or Leg | Ice Thickness in | A _R ft ² | A _F ft ² | C _A A _A In Face ft ² | C _A A _A Out Face ft ² | Weight K |
|---------------|--------------------|-------------|------------------|--------------------------------|--------------------------------|---|--|----------|
| | | B | | 0.000 | 0.000 | 1.658 | 0.000 | 0.02 |
| | | C | | 0.000 | 0.000 | 1.824 | 0.000 | 0.02 |
| L34 | 55.50-55.25 | A | 0.895 | 0.000 | 0.000 | 1.424 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.658 | 0.000 | 0.02 |
| | | C | | 0.000 | 0.000 | 1.824 | 0.000 | 0.02 |
| L35 | 55.25-54.00 | A | 0.894 | 0.000 | 0.000 | 7.120 | 0.000 | 0.06 |
| | | B | | 0.000 | 0.000 | 8.287 | 0.000 | 0.08 |
| | | C | | 0.000 | 0.000 | 9.118 | 0.000 | 0.08 |
| L36 | 54.00-53.75 | A | 0.893 | 0.000 | 0.000 | 1.424 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.657 | 0.000 | 0.02 |
| | | C | | 0.000 | 0.000 | 1.823 | 0.000 | 0.02 |
| L37 | 53.75-53.50 | A | 0.892 | 0.000 | 0.000 | 1.423 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.657 | 0.000 | 0.02 |
| | | C | | 0.000 | 0.000 | 1.823 | 0.000 | 0.02 |
| L38 | 53.50-53.25 | A | 0.892 | 0.000 | 0.000 | 1.423 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.657 | 0.000 | 0.02 |
| | | C | | 0.000 | 0.000 | 1.823 | 0.000 | 0.02 |
| L39 | 53.25-53.00 | A | 0.891 | 0.000 | 0.000 | 1.423 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.656 | 0.000 | 0.02 |
| | | C | | 0.000 | 0.000 | 1.823 | 0.000 | 0.02 |
| L40 | 53.00-48.00 | A | 0.887 | 0.000 | 0.000 | 21.016 | 0.000 | 0.18 |
| | | B | | 0.000 | 0.000 | 29.380 | 0.000 | 0.32 |
| | | C | | 0.000 | 0.000 | 33.271 | 0.000 | 0.32 |
| L41 | 48.00-39.75 | A | 0.874 | 0.000 | 0.000 | 38.642 | 0.000 | 0.32 |
| | | B | | 0.000 | 0.000 | 49.083 | 0.000 | 0.52 |
| | | C | | 0.000 | 0.000 | 49.541 | 0.000 | 0.50 |
| L42 | 39.75-38.75 | A | 0.865 | 0.000 | 0.000 | 4.600 | 0.000 | 0.04 |
| | | B | | 0.000 | 0.000 | 5.599 | 0.000 | 0.06 |
| | | C | | 0.000 | 0.000 | 5.010 | 0.000 | 0.06 |
| L43 | 38.75-34.75 | A | 0.859 | 0.000 | 0.000 | 20.597 | 0.000 | 0.16 |
| | | B | | 0.000 | 0.000 | 24.569 | 0.000 | 0.26 |
| | | C | | 0.000 | 0.000 | 24.499 | 0.000 | 0.24 |
| L44 | 34.75-34.50 | A | 0.854 | 0.000 | 0.000 | 1.396 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.643 | 0.000 | 0.02 |
| | | C | | 0.000 | 0.000 | 1.749 | 0.000 | 0.02 |
| L45 | 34.50-33.75 | A | 0.853 | 0.000 | 0.000 | 4.186 | 0.000 | 0.03 |
| | | B | | 0.000 | 0.000 | 4.929 | 0.000 | 0.05 |
| | | C | | 0.000 | 0.000 | 5.246 | 0.000 | 0.05 |
| L46 | 33.75-33.50 | A | 0.852 | 0.000 | 0.000 | 1.395 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.642 | 0.000 | 0.02 |
| | | C | | 0.000 | 0.000 | 1.748 | 0.000 | 0.02 |
| L47 | 33.50-28.50 | A | 0.845 | 0.000 | 0.000 | 24.847 | 0.000 | 0.20 |
| | | B | | 0.000 | 0.000 | 29.784 | 0.000 | 0.31 |
| | | C | | 0.000 | 0.000 | 28.903 | 0.000 | 0.29 |
| L48 | 28.50-24.00 | A | 0.831 | 0.000 | 0.000 | 20.834 | 0.000 | 0.17 |
| | | B | | 0.000 | 0.000 | 25.081 | 0.000 | 0.27 |
| | | C | | 0.000 | 0.000 | 22.509 | 0.000 | 0.24 |
| L49 | 24.00-23.75 | A | 0.823 | 0.000 | 0.000 | 1.196 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.411 | 0.000 | 0.02 |
| | | C | | 0.000 | 0.000 | 1.269 | 0.000 | 0.01 |
| L50 | 23.75-18.75 | A | 0.813 | 0.000 | 0.000 | 23.878 | 0.000 | 0.19 |
| | | B | | 0.000 | 0.000 | 28.152 | 0.000 | 0.30 |
| | | C | | 0.000 | 0.000 | 25.329 | 0.000 | 0.27 |
| L51 | 18.75-14.25 | A | 0.793 | 0.000 | 0.000 | 22.372 | 0.000 | 0.17 |
| | | B | | 0.000 | 0.000 | 26.182 | 0.000 | 0.27 |
| | | C | | 0.000 | 0.000 | 24.655 | 0.000 | 0.25 |
| L52 | 14.25-14.00 | A | 0.781 | 0.000 | 0.000 | 1.394 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.604 | 0.000 | 0.02 |
| | | C | | 0.000 | 0.000 | 1.674 | 0.000 | 0.02 |
| L53 | 14.00-9.00 | A | 0.765 | 0.000 | 0.000 | 27.772 | 0.000 | 0.20 |
| | | B | | 0.000 | 0.000 | 31.949 | 0.000 | 0.31 |
| | | C | | 0.000 | 0.000 | 33.371 | 0.000 | 0.30 |
| L54 | 9.00-5.00 | A | 0.728 | 0.000 | 0.000 | 18.974 | 0.000 | 0.11 |
| | | B | | 0.000 | 0.000 | 21.878 | 0.000 | 0.19 |
| | | C | | 0.000 | 0.000 | 26.482 | 0.000 | 0.23 |
| L55 | 5.00-4.75 | A | 0.702 | 0.000 | 0.000 | 1.084 | 0.000 | 0.01 |
| | | B | | 0.000 | 0.000 | 1.286 | 0.000 | 0.01 |
| | | C | | 0.000 | 0.000 | 1.646 | 0.000 | 0.01 |
| L56 | 4.75-4.50 | A | 0.698 | 0.000 | 0.000 | 1.083 | 0.000 | 0.01 |

| Tower Section | Tower Elevation ft | Face or Leg | Ice Thickness in | A _R ft ² | A _F ft ² | C _A A _A In Face ft ² | C _A A _A Out Face ft ² | Weight K |
|---------------|--------------------|-------------|------------------|--------------------------------|--------------------------------|---|--|----------|
| L57 | 4.50-0.00 | B | 0.650 | 0.000 | 0.000 | 1.285 | 0.000 | 0.01 |
| | | C | | 0.000 | 0.000 | 1.644 | 0.000 | 0.01 |
| | | A | | 0.000 | 0.000 | 16.854 | 0.000 | 0.08 |
| | | B | | 0.000 | 0.000 | 20.405 | 0.000 | 0.17 |
| | | C | | 0.000 | 0.000 | 24.466 | 0.000 | 0.23 |

Feed Line Center of Pressure

| Section | Elevation ft | CP _X in | CP _Z in | CP _X Ice in | CP _Z Ice in |
|---------|---------------|--------------------|--------------------|------------------------|------------------------|
| L1 | 120.00-115.00 | 0.0000 | 3.0109 | 0.0000 | 3.0354 |
| L2 | 115.00-110.00 | -0.5537 | 1.8117 | -0.5867 | 1.5948 |
| L3 | 110.00-105.00 | -0.8753 | 1.1326 | -0.8978 | 0.8620 |
| L4 | 105.00-100.00 | 0.4742 | -0.8614 | 0.4657 | -1.1180 |
| L5 | 100.00-99.25 | 0.9272 | -0.8805 | 0.8136 | -1.0810 |
| L6 | 99.25-99.00 | 0.9298 | -0.8833 | 0.8160 | -1.0843 |
| L7 | 99.00-94.00 | 0.9406 | -0.8952 | 0.8270 | -1.0995 |
| L8 | 94.00-90.08 | -0.2578 | -1.0430 | -0.0302 | -1.1986 |
| L9 | 90.08-89.83 | -1.0960 | -1.1131 | -0.7026 | -1.2458 |
| L10 | 89.83-89.50 | -1.0977 | -1.1149 | -0.7038 | -1.2477 |
| L11 | 89.50-89.25 | -1.1000 | -1.1174 | -0.7053 | -1.2504 |
| L12 | 89.25-84.25 | -1.0402 | -1.1672 | -0.6038 | -1.3194 |
| L13 | 84.25-78.00 | -1.0049 | -0.9933 | -0.5097 | -1.2099 |
| L14 | 78.00-77.00 | -0.3696 | -1.2467 | -0.0562 | -1.3713 |
| L15 | 77.00-76.75 | -0.3708 | -1.2507 | -0.0577 | -1.3747 |
| L16 | 76.75-76.50 | -0.3714 | -1.2526 | -0.0578 | -1.3767 |
| L17 | 76.50-75.50 | -0.3726 | -1.2566 | -0.0582 | -1.3811 |
| L18 | 75.50-75.25 | -0.3737 | -1.2600 | -0.0586 | -1.3850 |
| L19 | 75.25-74.50 | 0.0507 | -0.9441 | 0.2788 | -1.1268 |
| L20 | 74.50-74.25 | 0.8334 | -0.3594 | 0.9104 | -0.6406 |
| L21 | 74.25-72.00 | 0.9591 | 0.0066 | 1.0308 | -0.3504 |
| L22 | 72.00-71.75 | 0.7046 | -0.9016 | 0.7834 | -1.0805 |
| L23 | 71.75-70.50 | 0.7077 | -0.9053 | 0.7866 | -1.0846 |
| L24 | 70.50-70.25 | 0.7108 | -0.9091 | 0.7898 | -1.0887 |
| L25 | 70.25-70.00 | 0.7118 | -0.9104 | 0.7908 | -1.0901 |
| L26 | 70.00-69.75 | 0.7128 | -0.9116 | 0.7918 | -1.0914 |
| L27 | 69.75-69.50 | 0.7139 | -0.9130 | 0.7930 | -1.0930 |
| L28 | 69.50-69.25 | 0.7149 | -0.9141 | 0.7939 | -1.0942 |
| L29 | 69.25-64.25 | 1.3401 | -0.7091 | 1.3188 | -0.9782 |
| L30 | 64.25-59.25 | 2.4215 | -0.6650 | 2.1910 | -0.9856 |
| L31 | 59.25-56.00 | 3.0021 | -1.1740 | 2.7179 | -1.4023 |
| L32 | 56.00-55.75 | 0.8323 | -1.9155 | 0.9224 | -2.0026 |
| L33 | 55.75-55.50 | 0.8333 | -1.9179 | 0.9235 | -2.0050 |
| L34 | 55.50-55.25 | 0.8344 | -1.9204 | 0.9246 | -2.0076 |
| L35 | 55.25-54.00 | 0.8375 | -1.9274 | 0.9279 | -2.0147 |
| L36 | 54.00-53.75 | 0.8404 | -1.9341 | 0.9309 | -2.0215 |
| L37 | 53.75-53.50 | 0.8414 | -1.9364 | 0.9320 | -2.0238 |
| L38 | 53.50-53.25 | 0.8423 | -1.9385 | 0.9330 | -2.0260 |
| L39 | 53.25-53.00 | 0.8432 | -1.9406 | 0.9340 | -2.0282 |
| L40 | 53.00-48.00 | 0.4555 | -2.5529 | 0.6278 | -2.5688 |
| L41 | 48.00-39.75 | -0.0972 | -2.3961 | 0.1750 | -2.3988 |
| L42 | 39.75-38.75 | -0.7416 | -1.6806 | -0.3719 | -1.7613 |
| L43 | 38.75-34.75 | -0.3994 | -1.9678 | -0.1073 | -2.0072 |
| L44 | 34.75-34.50 | -0.1808 | -2.1559 | 0.0679 | -2.1738 |
| L45 | 34.50-33.75 | -0.1812 | -2.1606 | 0.0678 | -2.1783 |
| L46 | 33.75-33.50 | -0.1815 | -2.1645 | 0.0677 | -2.1822 |
| L47 | 33.50-28.50 | -0.5063 | -1.9379 | -0.1905 | -1.9863 |
| L48 | 28.50-24.00 | -0.7301 | -1.7282 | -0.3700 | -1.8158 |
| L49 | 24.00-23.75 | -0.6291 | -1.6541 | -0.3021 | -1.7634 |
| L50 | 23.75-18.75 | -0.6354 | -1.6707 | -0.3077 | -1.7789 |
| L51 | 18.75-14.25 | -0.5054 | -1.8237 | -0.2020 | -1.9144 |
| L52 | 14.25-14.00 | -0.1673 | -2.1368 | 0.0795 | -2.1943 |
| L53 | 14.00-9.00 | -0.1688 | -2.1581 | 0.0764 | -2.2123 |
| L54 | 9.00-5.00 | 0.5038 | -0.8167 | 0.6679 | -1.0553 |

| Section | Elevation | CP _x | CP _z | CP _x Ice | CP _z Ice |
|---------|-----------|-----------------|-----------------|------------------------|------------------------|
| | ft | in | in | in | in |
| L55 | 5.00-4.75 | 0.8955 | -0.2386 | 1.0049 | -0.5595 |
| L56 | 4.75-4.50 | 0.8961 | -0.2388 | 1.0046 | -0.5585 |
| L57 | 4.50-0.00 | 0.6646 | 0.3390 | 0.8040 | -0.0738 |

Note: For pole sections, center of pressure calculations do not consider feed line shielding.

Shielding Factor Ka

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|--------------------------|-----------------------|
| L1 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 115.00 - 120.00 | 1.0000 | 1.0000 |
| L2 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 110.00 - 115.00 | 1.0000 | 1.0000 |
| L2 | 5 | LDF7-50A(1-5/8) | 110.00 - 113.00 | 1.0000 | 1.0000 |
| L3 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 105.00 - 110.00 | 1.0000 | 1.0000 |
| L3 | 5 | LDF7-50A(1-5/8) | 105.00 - 110.00 | 1.0000 | 1.0000 |
| L4 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 100.00 - 105.00 | 1.0000 | 1.0000 |
| L4 | 5 | LDF7-50A(1-5/8) | 100.00 - 105.00 | 1.0000 | 1.0000 |
| L4 | 7 | HCS 6X12 6AWG(1-3/8) | 100.00 - 105.00 | 1.0000 | 1.0000 |
| L4 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 100.00 - 105.00 | 1.0000 | 1.0000 |
| L4 | 72 | PL 1.25x4 | 100.00 - 100.75 | 1.0000 | 1.0000 |
| L4 | 73 | PL 1.25x4 | 100.00 - 100.75 | 1.0000 | 1.0000 |
| L4 | 74 | PL 1.25x4 | 100.00 - 100.75 | 1.0000 | 1.0000 |
| L5 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 99.25 - 100.00 | 1.0000 | 1.0000 |
| L5 | 5 | LDF7-50A(1-5/8) | 99.25 - 100.00 | 1.0000 | 1.0000 |
| L5 | 7 | HCS 6X12 6AWG(1-3/8) | 99.25 - 100.00 | 1.0000 | 1.0000 |
| L5 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 99.25 - 100.00 | 1.0000 | 1.0000 |
| L5 | 72 | PL 1.25x4 | 99.25 - 100.00 | 1.0000 | 1.0000 |
| L5 | 73 | PL 1.25x4 | 99.25 - 100.00 | 1.0000 | 1.0000 |
| L5 | 74 | PL 1.25x4 | 99.25 - 100.00 | 1.0000 | 1.0000 |
| L6 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 99.00 - 99.25 | 1.0000 | 1.0000 |
| L6 | 5 | LDF7-50A(1-5/8) | 99.00 - 99.25 | 1.0000 | 1.0000 |
| L6 | 7 | HCS 6X12 6AWG(1-3/8) | 99.00 - 99.25 | 1.0000 | 1.0000 |
| L6 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 99.00 - 99.25 | 1.0000 | 1.0000 |
| L6 | 72 | PL 1.25x4 | 99.00 - 99.25 | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| L6 | 73 | PL 1.25x4 | 99.00 - 99.25 | 1.0000 | 1.0000 |
| L6 | 74 | PL 1.25x4 | 99.00 - 99.25 | 1.0000 | 1.0000 |
| L7 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 94.00 - 99.00 | 1.0000 | 1.0000 |
| L7 | 5 | LDF7-50A(1-5/8) | 94.00 - 99.00 | 1.0000 | 1.0000 |
| L7 | 7 | HCS 6X12 6AWG(1-3/8) | 94.00 - 99.00 | 1.0000 | 1.0000 |
| L7 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 94.00 - 99.00 | 1.0000 | 1.0000 |
| L7 | 72 | PL 1.25x4 | 94.00 - 99.00 | 1.0000 | 1.0000 |
| L7 | 73 | PL 1.25x4 | 94.00 - 99.00 | 1.0000 | 1.0000 |
| L7 | 74 | PL 1.25x4 | 94.00 - 99.00 | 1.0000 | 1.0000 |
| L8 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 90.08 - 94.00 | 1.0000 | 1.0000 |
| L8 | 5 | LDF7-50A(1-5/8) | 90.08 - 94.00 | 1.0000 | 1.0000 |
| L8 | 7 | HCS 6X12 6AWG(1-3/8) | 90.08 - 94.00 | 1.0000 | 1.0000 |
| L8 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 90.08 - 94.00 | 1.0000 | 1.0000 |
| L8 | 61 | (Area) CCI-65FP-060100 (H) | 90.08 - 92.00 | 1.0000 | 1.0000 |
| L8 | 62 | (Area) CCI-65FP-060100 (H) | 90.08 - 92.00 | 1.0000 | 1.0000 |
| L8 | 64 | (Area) CCI-65FP-045100 (H) | 90.08 - 92.08 | 1.0000 | 1.0000 |
| L8 | 65 | (Area) CCI-65FP-045100 (H) | 90.08 - 92.08 | 1.0000 | 1.0000 |
| L8 | 72 | PL 1.25x4 | 90.08 - 94.00 | 1.0000 | 1.0000 |
| L8 | 73 | PL 1.25x4 | 90.08 - 94.00 | 1.0000 | 1.0000 |
| L8 | 74 | PL 1.25x4 | 90.08 - 94.00 | 1.0000 | 1.0000 |
| L9 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 89.83 - 90.08 | 1.0000 | 1.0000 |
| L9 | 5 | LDF7-50A(1-5/8) | 89.83 - 90.08 | 1.0000 | 1.0000 |
| L9 | 7 | HCS 6X12 6AWG(1-3/8) | 89.83 - 90.08 | 1.0000 | 1.0000 |
| L9 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 89.83 - 90.08 | 1.0000 | 1.0000 |
| L9 | 61 | (Area) CCI-65FP-060100 (H) | 89.83 - 90.08 | 1.0000 | 1.0000 |
| L9 | 62 | (Area) CCI-65FP-060100 (H) | 89.83 - 90.08 | 1.0000 | 1.0000 |
| L9 | 64 | (Area) CCI-65FP-045100 (H) | 89.83 - 90.08 | 1.0000 | 1.0000 |
| L9 | 65 | (Area) CCI-65FP-045100 (H) | 89.83 - 90.08 | 1.0000 | 1.0000 |
| L9 | 72 | PL 1.25x4 | 89.83 - 90.08 | 1.0000 | 1.0000 |
| L9 | 73 | PL 1.25x4 | 89.83 - 90.08 | 1.0000 | 1.0000 |
| L9 | 74 | PL 1.25x4 | 89.83 - 90.08 | 1.0000 | 1.0000 |
| L10 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 89.50 - 89.83 | 1.0000 | 1.0000 |
| L10 | 5 | LDF7-50A(1-5/8) | 89.50 - 89.83 | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| L10 | 7 | HCS 6X12 6AWG(1-3/8) | 89.50 - 89.83 | 1.0000 | 1.0000 |
| L10 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 89.50 - 89.83 | 1.0000 | 1.0000 |
| L10 | 61 | (Area) CCI-65FP-060100 (H) | 89.50 - 89.83 | 1.0000 | 1.0000 |
| L10 | 62 | (Area) CCI-65FP-060100 (H) | 89.50 - 89.83 | 1.0000 | 1.0000 |
| L10 | 64 | (Area) CCI-65FP-045100 (H) | 89.50 - 89.83 | 1.0000 | 1.0000 |
| L10 | 65 | (Area) CCI-65FP-045100 (H) | 89.50 - 89.83 | 1.0000 | 1.0000 |
| L10 | 72 | PL 1.25x4 | 89.50 - 89.83 | 1.0000 | 1.0000 |
| L10 | 73 | PL 1.25x4 | 89.50 - 89.83 | 1.0000 | 1.0000 |
| L10 | 74 | PL 1.25x4 | 89.50 - 89.83 | 1.0000 | 1.0000 |
| L11 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 89.25 - 89.50 | 1.0000 | 1.0000 |
| L11 | 5 | LDF7-50A(1-5/8) | 89.25 - 89.50 | 1.0000 | 1.0000 |
| L11 | 7 | HCS 6X12 6AWG(1-3/8) | 89.25 - 89.50 | 1.0000 | 1.0000 |
| L11 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 89.25 - 89.50 | 1.0000 | 1.0000 |
| L11 | 61 | (Area) CCI-65FP-060100 (H) | 89.25 - 89.50 | 1.0000 | 1.0000 |
| L11 | 62 | (Area) CCI-65FP-060100 (H) | 89.25 - 89.50 | 1.0000 | 1.0000 |
| L11 | 64 | (Area) CCI-65FP-045100 (H) | 89.25 - 89.50 | 1.0000 | 1.0000 |
| L11 | 65 | (Area) CCI-65FP-045100 (H) | 89.25 - 89.50 | 1.0000 | 1.0000 |
| L11 | 72 | PL 1.25x4 | 89.25 - 89.50 | 1.0000 | 1.0000 |
| L11 | 73 | PL 1.25x4 | 89.25 - 89.50 | 1.0000 | 1.0000 |
| L11 | 74 | PL 1.25x4 | 89.25 - 89.50 | 1.0000 | 1.0000 |
| L12 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 84.25 - 89.25 | 1.0000 | 1.0000 |
| L12 | 5 | LDF7-50A(1-5/8) | 84.25 - 89.25 | 1.0000 | 1.0000 |
| L12 | 7 | HCS 6X12 6AWG(1-3/8) | 84.25 - 89.25 | 1.0000 | 1.0000 |
| L12 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 84.25 - 89.25 | 1.0000 | 1.0000 |
| L12 | 21 | CU12PSM9P8XXX(1-3/8) | 84.25 - 86.00 | 1.0000 | 1.0000 |
| L12 | 61 | (Area) CCI-65FP-060100 (H) | 84.25 - 89.25 | 1.0000 | 1.0000 |
| L12 | 62 | (Area) CCI-65FP-060100 (H) | 84.25 - 89.25 | 1.0000 | 1.0000 |
| L12 | 64 | (Area) CCI-65FP-045100 (H) | 84.25 - 89.25 | 1.0000 | 1.0000 |
| L12 | 65 | (Area) CCI-65FP-045100 (H) | 84.25 - 89.25 | 1.0000 | 1.0000 |
| L12 | 72 | PL 1.25x4 | 84.25 - 89.25 | 1.0000 | 1.0000 |
| L12 | 73 | PL 1.25x4 | 84.25 - 89.25 | 1.0000 | 1.0000 |
| L12 | 74 | PL 1.25x4 | 84.25 - 89.25 | 1.0000 | 1.0000 |
| L13 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 78.00 - 84.25 | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| L13 | 5 | LDF7-50A(1-5/8) | 78.00 - 84.25 | 1.0000 | 1.0000 |
| L13 | 7 | HCS 6X12 6AWG(1-3/8) | 78.00 - 84.25 | 1.0000 | 1.0000 |
| L13 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 78.00 - 84.25 | 1.0000 | 1.0000 |
| L13 | 21 | CU12PSM9P8XXX(1-3/8) | 78.00 - 84.25 | 1.0000 | 1.0000 |
| L13 | 61 | (Area) CCI-65FP-060100 (H) | 78.00 - 84.25 | 1.0000 | 1.0000 |
| L13 | 62 | (Area) CCI-65FP-060100 (H) | 78.00 - 84.25 | 1.0000 | 1.0000 |
| L13 | 64 | (Area) CCI-65FP-045100 (H) | 78.00 - 84.25 | 1.0000 | 1.0000 |
| L13 | 65 | (Area) CCI-65FP-045100 (H) | 78.00 - 84.25 | 1.0000 | 1.0000 |
| L13 | 72 | PL 1.25x4 | 78.00 - 84.25 | 1.0000 | 1.0000 |
| L13 | 73 | PL 1.25x4 | 78.00 - 84.25 | 1.0000 | 1.0000 |
| L13 | 74 | PL 1.25x4 | 78.00 - 84.25 | 1.0000 | 1.0000 |
| L13 | 76 | PL 1.25x4 | 78.00 - 80.00 | 1.0000 | 1.0000 |
| L13 | 77 | PL 1.25x4 | 78.00 - 78.25 | 1.0000 | 1.0000 |
| L13 | 78 | PL 1.25x4 | 78.00 - 80.00 | 1.0000 | 1.0000 |
| L13 | 79 | PL 1.25x4 | 78.00 - 80.00 | 1.0000 | 1.0000 |
| L14 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 77.00 - 78.00 | 1.0000 | 1.0000 |
| L14 | 5 | LDF7-50A(1-5/8) | 77.00 - 78.00 | 1.0000 | 1.0000 |
| L14 | 7 | HCS 6X12 6AWG(1-3/8) | 77.00 - 78.00 | 1.0000 | 1.0000 |
| L14 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 77.00 - 78.00 | 1.0000 | 1.0000 |
| L14 | 21 | CU12PSM9P8XXX(1-3/8) | 77.00 - 78.00 | 1.0000 | 1.0000 |
| L14 | 61 | (Area) CCI-65FP-060100 (H) | 77.00 - 78.00 | 1.0000 | 1.0000 |
| L14 | 62 | (Area) CCI-65FP-060100 (H) | 77.00 - 78.00 | 1.0000 | 1.0000 |
| L14 | 64 | (Area) CCI-65FP-045100 (H) | 77.00 - 78.00 | 1.0000 | 1.0000 |
| L14 | 65 | (Area) CCI-65FP-045100 (H) | 77.00 - 78.00 | 1.0000 | 1.0000 |
| L14 | 72 | PL 1.25x4 | 77.00 - 78.00 | 1.0000 | 1.0000 |
| L14 | 73 | PL 1.25x4 | 77.00 - 78.00 | 1.0000 | 1.0000 |
| L14 | 74 | PL 1.25x4 | 77.00 - 78.00 | 1.0000 | 1.0000 |
| L14 | 76 | PL 1.25x4 | 77.00 - 78.00 | 1.0000 | 1.0000 |
| L14 | 77 | PL 1.25x4 | 77.00 - 78.00 | 1.0000 | 1.0000 |
| L14 | 78 | PL 1.25x4 | 77.00 - 78.00 | 1.0000 | 1.0000 |
| L14 | 79 | PL 1.25x4 | 77.00 - 78.00 | 1.0000 | 1.0000 |
| L15 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 76.75 - 77.00 | 1.0000 | 1.0000 |
| L15 | 5 | LDF7-50A(1-5/8) | 76.75 - 77.00 | 1.0000 | 1.0000 |
| L15 | 7 | HCS 6X12 6AWG(1-3/8) | 76.75 - | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|---------------------------|-----------------------|--------------------|
| L15 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 77.00 76.75 - 77.00 | 1.0000 | 1.0000 |
| L15 | 21 | CU12PSM9P8XXX(1-3/8) | 76.75 - 77.00 | 1.0000 | 1.0000 |
| L15 | 61 | (Area) CCI-65FP-060100 (H) | 76.75 - 77.00 | 1.0000 | 1.0000 |
| L15 | 62 | (Area) CCI-65FP-060100 (H) | 76.75 - 77.00 | 1.0000 | 1.0000 |
| L15 | 64 | (Area) CCI-65FP-045100 (H) | 76.75 - 77.00 | 1.0000 | 1.0000 |
| L15 | 65 | (Area) CCI-65FP-045100 (H) | 76.75 - 77.00 | 1.0000 | 1.0000 |
| L15 | 72 | PL 1.25x4 | 76.75 - 77.00 | 1.0000 | 1.0000 |
| L15 | 73 | PL 1.25x4 | 76.75 - 77.00 | 1.0000 | 1.0000 |
| L15 | 74 | PL 1.25x4 | 76.75 - 77.00 | 1.0000 | 1.0000 |
| L15 | 76 | PL 1.25x4 | 76.75 - 77.00 | 1.0000 | 1.0000 |
| L15 | 77 | PL 1.25x4 | 76.75 - 77.00 | 1.0000 | 1.0000 |
| L15 | 78 | PL 1.25x4 | 76.75 - 77.00 | 1.0000 | 1.0000 |
| L15 | 79 | PL 1.25x4 | 76.75 - 77.00 | 1.0000 | 1.0000 |
| L16 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 76.50 - 76.75 | 1.0000 | 1.0000 |
| L16 | 5 | LDF7-50A(1-5/8) | 76.50 - 76.75 | 1.0000 | 1.0000 |
| L16 | 7 | HCS 6X12 6AWG(1-3/8) | 76.50 - 76.75 | 1.0000 | 1.0000 |
| L16 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 76.50 - 76.75 | 1.0000 | 1.0000 |
| L16 | 21 | CU12PSM9P8XXX(1-3/8) | 76.50 - 76.75 | 1.0000 | 1.0000 |
| L16 | 61 | (Area) CCI-65FP-060100 (H) | 76.50 - 76.75 | 1.0000 | 1.0000 |
| L16 | 62 | (Area) CCI-65FP-060100 (H) | 76.50 - 76.75 | 1.0000 | 1.0000 |
| L16 | 64 | (Area) CCI-65FP-045100 (H) | 76.50 - 76.75 | 1.0000 | 1.0000 |
| L16 | 65 | (Area) CCI-65FP-045100 (H) | 76.50 - 76.75 | 1.0000 | 1.0000 |
| L16 | 72 | PL 1.25x4 | 76.50 - 76.75 | 1.0000 | 1.0000 |
| L16 | 73 | PL 1.25x4 | 76.50 - 76.75 | 1.0000 | 1.0000 |
| L16 | 74 | PL 1.25x4 | 76.50 - 76.75 | 1.0000 | 1.0000 |
| L16 | 76 | PL 1.25x4 | 76.50 - 76.75 | 1.0000 | 1.0000 |
| L16 | 77 | PL 1.25x4 | 76.50 - 76.75 | 1.0000 | 1.0000 |
| L16 | 78 | PL 1.25x4 | 76.50 - 76.75 | 1.0000 | 1.0000 |
| L16 | 79 | PL 1.25x4 | 76.50 - 76.75 | 1.0000 | 1.0000 |
| L17 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 75.50 - 76.50 | 1.0000 | 1.0000 |
| L17 | 5 | LDF7-50A(1-5/8) | 75.50 - 76.50 | 1.0000 | 1.0000 |
| L17 | 7 | HCS 6X12 6AWG(1-3/8) | 75.50 - 76.50 | 1.0000 | 1.0000 |
| L17 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 75.50 - 76.50 | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| L17 | 21 | CU12PSM9P8XXX(1-3/8) 5/8") | 75.50 - 76.50 | 1.0000 | 1.0000 |
| L17 | 61 | (Area) CCI-65FP-060100 (H) | 75.50 - 76.50 | 1.0000 | 1.0000 |
| L17 | 62 | (Area) CCI-65FP-060100 (H) | 75.50 - 76.50 | 1.0000 | 1.0000 |
| L17 | 64 | (Area) CCI-65FP-045100 (H) | 75.50 - 76.50 | 1.0000 | 1.0000 |
| L17 | 65 | (Area) CCI-65FP-045100 (H) | 75.50 - 76.50 | 1.0000 | 1.0000 |
| L17 | 72 | PL 1.25x4 | 75.50 - 76.50 | 1.0000 | 1.0000 |
| L17 | 73 | PL 1.25x4 | 75.50 - 76.50 | 1.0000 | 1.0000 |
| L17 | 74 | PL 1.25x4 | 75.50 - 76.50 | 1.0000 | 1.0000 |
| L17 | 76 | PL 1.25x4 | 75.50 - 76.50 | 1.0000 | 1.0000 |
| L17 | 77 | PL 1.25x4 | 75.50 - 76.50 | 1.0000 | 1.0000 |
| L17 | 78 | PL 1.25x4 | 75.50 - 76.50 | 1.0000 | 1.0000 |
| L17 | 79 | PL 1.25x4 | 75.50 - 76.50 | 1.0000 | 1.0000 |
| L18 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 75.25 - 75.50 | 1.0000 | 1.0000 |
| L18 | 5 | LDF7-50A(1-5/8) | 75.25 - 75.50 | 1.0000 | 1.0000 |
| L18 | 7 | HCS 6X12 6AWG(1-3/8) | 75.25 - 75.50 | 1.0000 | 1.0000 |
| L18 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 75.25 - 75.50 | 1.0000 | 1.0000 |
| L18 | 21 | CU12PSM9P8XXX(1-3/8) 5/8") | 75.25 - 75.50 | 1.0000 | 1.0000 |
| L18 | 61 | (Area) CCI-65FP-060100 (H) | 75.25 - 75.50 | 1.0000 | 1.0000 |
| L18 | 62 | (Area) CCI-65FP-060100 (H) | 75.25 - 75.50 | 1.0000 | 1.0000 |
| L18 | 64 | (Area) CCI-65FP-045100 (H) | 75.25 - 75.50 | 1.0000 | 1.0000 |
| L18 | 65 | (Area) CCI-65FP-045100 (H) | 75.25 - 75.50 | 1.0000 | 1.0000 |
| L18 | 72 | PL 1.25x4 | 75.25 - 75.50 | 1.0000 | 1.0000 |
| L18 | 73 | PL 1.25x4 | 75.25 - 75.50 | 1.0000 | 1.0000 |
| L18 | 74 | PL 1.25x4 | 75.25 - 75.50 | 1.0000 | 1.0000 |
| L18 | 76 | PL 1.25x4 | 75.25 - 75.50 | 1.0000 | 1.0000 |
| L18 | 77 | PL 1.25x4 | 75.25 - 75.50 | 1.0000 | 1.0000 |
| L18 | 78 | PL 1.25x4 | 75.25 - 75.50 | 1.0000 | 1.0000 |
| L18 | 79 | PL 1.25x4 | 75.25 - 75.50 | 1.0000 | 1.0000 |
| L19 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 74.50 - 75.25 | 1.0000 | 1.0000 |
| L19 | 5 | LDF7-50A(1-5/8) | 74.50 - 75.25 | 1.0000 | 1.0000 |
| L19 | 7 | HCS 6X12 6AWG(1-3/8) | 74.50 - 75.25 | 1.0000 | 1.0000 |
| L19 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 74.50 - 75.25 | 1.0000 | 1.0000 |
| L19 | 21 | CU12PSM9P8XXX(1-3/8) 5/8") | 74.50 - 75.25 | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| L19 | 59 | (Area) CCI-65FP-065125 (H) | 74.50 - 74.75 | 1.0000 | 1.0000 |
| L19 | 61 | (Area) CCI-65FP-060100 (H) | 74.50 - 75.25 | 1.0000 | 1.0000 |
| L19 | 62 | (Area) CCI-65FP-060100 (H) | 74.50 - 75.25 | 1.0000 | 1.0000 |
| L19 | 64 | (Area) CCI-65FP-045100 (H) | 74.50 - 75.25 | 1.0000 | 1.0000 |
| L19 | 65 | (Area) CCI-65FP-045100 (H) | 74.50 - 75.25 | 1.0000 | 1.0000 |
| L19 | 72 | PL 1.25x4 | 74.50 - 75.25 | 1.0000 | 1.0000 |
| L19 | 73 | PL 1.25x4 | 74.50 - 75.25 | 1.0000 | 1.0000 |
| L19 | 74 | PL 1.25x4 | 74.50 - 75.25 | 1.0000 | 1.0000 |
| L19 | 76 | PL 1.25x4 | 74.50 - 75.25 | 1.0000 | 1.0000 |
| L19 | 77 | PL 1.25x4 | 74.50 - 75.25 | 1.0000 | 1.0000 |
| L19 | 78 | PL 1.25x4 | 74.50 - 75.25 | 1.0000 | 1.0000 |
| L19 | 79 | PL 1.25x4 | 74.50 - 75.25 | 1.0000 | 1.0000 |
| L20 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 74.25 - 74.50 | 1.0000 | 1.0000 |
| L20 | 5 | LDF7-50A(1-5/8) | 74.25 - 74.50 | 1.0000 | 1.0000 |
| L20 | 7 | HCS 6X12 6AWG(1-3/8) | 74.25 - 74.50 | 1.0000 | 1.0000 |
| L20 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 74.25 - 74.50 | 1.0000 | 1.0000 |
| L20 | 21 | CU12PSM9P8XXX(1-3/8) | 74.25 - 74.50 | 1.0000 | 1.0000 |
| L20 | 59 | (Area) CCI-65FP-065125 (H) | 74.25 - 74.50 | 1.0000 | 1.0000 |
| L20 | 61 | (Area) CCI-65FP-060100 (H) | 74.25 - 74.50 | 1.0000 | 1.0000 |
| L20 | 62 | (Area) CCI-65FP-060100 (H) | 74.25 - 74.50 | 1.0000 | 1.0000 |
| L20 | 64 | (Area) CCI-65FP-045100 (H) | 74.25 - 74.50 | 1.0000 | 1.0000 |
| L20 | 65 | (Area) CCI-65FP-045100 (H) | 74.25 - 74.50 | 1.0000 | 1.0000 |
| L20 | 72 | PL 1.25x4 | 74.25 - 74.50 | 1.0000 | 1.0000 |
| L20 | 73 | PL 1.25x4 | 74.25 - 74.50 | 1.0000 | 1.0000 |
| L20 | 74 | PL 1.25x4 | 74.25 - 74.50 | 1.0000 | 1.0000 |
| L20 | 76 | PL 1.25x4 | 74.25 - 74.50 | 1.0000 | 1.0000 |
| L20 | 77 | PL 1.25x4 | 74.25 - 74.50 | 1.0000 | 1.0000 |
| L20 | 78 | PL 1.25x4 | 74.25 - 74.50 | 1.0000 | 1.0000 |
| L20 | 79 | PL 1.25x4 | 74.25 - 74.50 | 1.0000 | 1.0000 |
| L21 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 72.00 - 74.25 | 1.0000 | 1.0000 |
| L21 | 5 | LDF7-50A(1-5/8) | 72.00 - 74.25 | 1.0000 | 1.0000 |
| L21 | 7 | HCS 6X12 6AWG(1-3/8) | 72.00 - 74.25 | 1.0000 | 1.0000 |
| L21 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 72.00 - 74.25 | 1.0000 | 1.0000 |
| L21 | 21 | CU12PSM9P8XXX(1-3/8) | 72.00 - | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|---------------------------|-----------------------|--------------------|
| L21 | 59 | (Area) CCI-65FP-065125 (H) | 74.25 72.00 - 74.25 | 1.0000 | 1.0000 |
| L21 | 61 | (Area) CCI-65FP-060100 (H) | 74.25 72.00 - 74.25 | 1.0000 | 1.0000 |
| L21 | 62 | (Area) CCI-65FP-060100 (H) | 74.25 72.00 - 74.25 | 1.0000 | 1.0000 |
| L21 | 64 | (Area) CCI-65FP-045100 (H) | 74.25 72.00 - 74.25 | 1.0000 | 1.0000 |
| L21 | 65 | (Area) CCI-65FP-045100 (H) | 74.25 72.00 - 74.25 | 1.0000 | 1.0000 |
| L21 | 72 | PL 1.25x4 | 74.00 - 74.25 | 1.0000 | 1.0000 |
| L21 | 73 | PL 1.25x4 | 74.00 - 74.25 | 1.0000 | 1.0000 |
| L21 | 74 | PL 1.25x4 | 73.00 - 74.25 | 1.0000 | 1.0000 |
| L21 | 76 | PL 1.25x4 | 72.00 - 74.25 | 1.0000 | 1.0000 |
| L21 | 77 | PL 1.25x4 | 72.00 - 74.25 | 1.0000 | 1.0000 |
| L21 | 78 | PL 1.25x4 | 72.00 - 74.25 | 1.0000 | 1.0000 |
| L21 | 79 | PL 1.25x4 | 72.00 - 74.25 | 1.0000 | 1.0000 |
| L22 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 5 | LDF7-50A(1-5/8) | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 7 | HCS 6X12 6AWG(1-3/8) | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 21 | CU12PSM9P8XXX(1-3/8) | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 40 | PL 1 x 5 | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 41 | PL 1 x 5 | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 42 | PL 1 x 5 | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 43 | PL 1 x 5 | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 55 | (Area) CCI-65FP-045100 (H) | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 56 | (Area) CCI-65FP-045100 (H) | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 57 | (Area) CCI-65FP-045100 (H) | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 59 | (Area) CCI-65FP-065125 (H) | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 61 | (Area) CCI-65FP-060100 (H) | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 62 | (Area) CCI-65FP-060100 (H) | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 64 | (Area) CCI-65FP-045100 (H) | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 65 | (Area) CCI-65FP-045100 (H) | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 76 | PL 1.25x4 | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 77 | PL 1.25x4 | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 78 | PL 1.25x4 | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L22 | 79 | PL 1.25x4 | 71.75 - 72.00 | 1.0000 | 1.0000 |
| L23 | 2 | HB158-21U6S24- | 70.50 - | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|---------------------------|-----------------------|--------------------|
| L23 | 5 | xxM_TMO(1-5/8) LDF7-50A(1-5/8) | 71.75 70.50 - 71.75 | 1.0000 | 1.0000 |
| L23 | 7 | HCS 6X12 6AWG(1-3/8) | 70.50 - 71.75 | 1.0000 | 1.0000 |
| L23 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 70.50 - 71.75 | 1.0000 | 1.0000 |
| L23 | 21 | CU12PSM9P8XXX(1-3/8) | 70.50 - 71.75 | 1.0000 | 1.0000 |
| L23 | 40 | PL 1 x 5 | 70.50 - 71.75 | 1.0000 | 1.0000 |
| L23 | 41 | PL 1 x 5 | 70.50 - 71.75 | 1.0000 | 1.0000 |
| L23 | 42 | PL 1 x 5 | 70.50 - 71.75 | 1.0000 | 1.0000 |
| L23 | 43 | PL 1 x 5 | 70.50 - 71.75 | 1.0000 | 1.0000 |
| L23 | 55 | (Area) CCI-65FP-045100 (H) | 70.50 - 71.75 | 1.0000 | 1.0000 |
| L23 | 56 | (Area) CCI-65FP-045100 (H) | 70.50 - 71.75 | 1.0000 | 1.0000 |
| L23 | 57 | (Area) CCI-65FP-045100 (H) | 70.50 - 71.75 | 1.0000 | 1.0000 |
| L23 | 59 | (Area) CCI-65FP-065125 (H) | 70.50 - 71.75 | 1.0000 | 1.0000 |
| L23 | 61 | (Area) CCI-65FP-060100 (H) | 70.50 - 71.75 | 1.0000 | 1.0000 |
| L23 | 62 | (Area) CCI-65FP-060100 (H) | 70.50 - 71.75 | 1.0000 | 1.0000 |
| L23 | 64 | (Area) CCI-65FP-045100 (H) | 70.50 - 71.75 | 1.0000 | 1.0000 |
| L23 | 65 | (Area) CCI-65FP-045100 (H) | 70.50 - 71.75 | 1.0000 | 1.0000 |
| L23 | 76 | PL 1.25x4 | 70.50 - 71.75 | 1.0000 | 1.0000 |
| L23 | 77 | PL 1.25x4 | 70.50 - 71.75 | 1.0000 | 1.0000 |
| L23 | 78 | PL 1.25x4 | 70.50 - 71.75 | 1.0000 | 1.0000 |
| L23 | 79 | PL 1.25x4 | 70.50 - 71.75 | 1.0000 | 1.0000 |
| L24 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L24 | 5 | LDF7-50A(1-5/8) | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L24 | 7 | HCS 6X12 6AWG(1-3/8) | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L24 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L24 | 21 | CU12PSM9P8XXX(1-3/8) | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L24 | 40 | PL 1 x 5 | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L24 | 41 | PL 1 x 5 | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L24 | 42 | PL 1 x 5 | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L24 | 43 | PL 1 x 5 | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L24 | 55 | (Area) CCI-65FP-045100 (H) | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L24 | 56 | (Area) CCI-65FP-045100 (H) | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L24 | 57 | (Area) CCI-65FP-045100 (H) | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L24 | 59 | (Area) CCI-65FP-065125 (H) | 70.25 - 70.50 | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| L24 | 61 | (Area) CCI-65FP-060100 (H) | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L24 | 62 | (Area) CCI-65FP-060100 (H) | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L24 | 64 | (Area) CCI-65FP-045100 (H) | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L24 | 65 | (Area) CCI-65FP-045100 (H) | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L24 | 76 | PL 1.25x4 | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L24 | 77 | PL 1.25x4 | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L24 | 78 | PL 1.25x4 | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L24 | 79 | PL 1.25x4 | 70.25 - 70.50 | 1.0000 | 1.0000 |
| L25 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 5 | LDF7-50A(1-5/8) | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 7 | HCS 6X12 6AWG(1-3/8) | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 21 | CU12PSM9P8XXX(1-3/8) | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 40 | PL 1 x 5 | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 41 | PL 1 x 5 | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 42 | PL 1 x 5 | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 43 | PL 1 x 5 | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 55 | (Area) CCI-65FP-045100 (H) | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 56 | (Area) CCI-65FP-045100 (H) | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 57 | (Area) CCI-65FP-045100 (H) | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 59 | (Area) CCI-65FP-065125 (H) | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 61 | (Area) CCI-65FP-060100 (H) | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 62 | (Area) CCI-65FP-060100 (H) | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 64 | (Area) CCI-65FP-045100 (H) | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 65 | (Area) CCI-65FP-045100 (H) | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 76 | PL 1.25x4 | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 77 | PL 1.25x4 | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 78 | PL 1.25x4 | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L25 | 79 | PL 1.25x4 | 70.00 - 70.25 | 1.0000 | 1.0000 |
| L26 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 69.75 - 70.00 | 1.0000 | 1.0000 |
| L26 | 5 | LDF7-50A(1-5/8) | 69.75 - 70.00 | 1.0000 | 1.0000 |
| L26 | 7 | HCS 6X12 6AWG(1-3/8) | 69.75 - 70.00 | 1.0000 | 1.0000 |
| L26 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 69.75 - 70.00 | 1.0000 | 1.0000 |
| L26 | 21 | CU12PSM9P8XXX(1-3/8) | 69.75 - | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| L26 | 40 | PL 1 x 5 | 70.00 69.75 - | 1.0000 | 1.0000 |
| L26 | 41 | PL 1 x 5 | 70.00 69.75 - | 1.0000 | 1.0000 |
| L26 | 42 | PL 1 x 5 | 70.00 69.75 - | 1.0000 | 1.0000 |
| L26 | 43 | PL 1 x 5 | 70.00 69.75 - | 1.0000 | 1.0000 |
| L26 | 55 | (Area) CCI-65FP-045100 (H) | 70.00 69.75 - | 1.0000 | 1.0000 |
| L26 | 56 | (Area) CCI-65FP-045100 (H) | 70.00 69.75 - | 1.0000 | 1.0000 |
| L26 | 57 | (Area) CCI-65FP-045100 (H) | 70.00 69.75 - | 1.0000 | 1.0000 |
| L26 | 59 | (Area) CCI-65FP-065125 (H) | 70.00 69.75 - | 1.0000 | 1.0000 |
| L26 | 61 | (Area) CCI-65FP-060100 (H) | 70.00 69.75 - | 1.0000 | 1.0000 |
| L26 | 62 | (Area) CCI-65FP-060100 (H) | 70.00 69.75 - | 1.0000 | 1.0000 |
| L26 | 64 | (Area) CCI-65FP-045100 (H) | 70.00 69.75 - | 1.0000 | 1.0000 |
| L26 | 65 | (Area) CCI-65FP-045100 (H) | 70.00 69.75 - | 1.0000 | 1.0000 |
| L26 | 76 | PL 1.25x4 | 70.00 69.75 - | 1.0000 | 1.0000 |
| L26 | 77 | PL 1.25x4 | 70.00 69.75 - | 1.0000 | 1.0000 |
| L26 | 78 | PL 1.25x4 | 70.00 69.75 - | 1.0000 | 1.0000 |
| L26 | 79 | PL 1.25x4 | 70.00 69.75 - | 1.0000 | 1.0000 |
| L27 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 69.50 - 69.75 | 1.0000 | 1.0000 |
| L27 | 5 | LDF7-50A(1-5/8) | 69.50 - 69.75 | 1.0000 | 1.0000 |
| L27 | 7 | HCS 6X12 6AWG(1-3/8) | 69.50 - 69.75 | 1.0000 | 1.0000 |
| L27 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 69.50 - 69.75 | 1.0000 | 1.0000 |
| L27 | 21 | CU12PSM9P8XXX(1-3/8) | 69.50 - 69.75 | 1.0000 | 1.0000 |
| L27 | 40 | PL 1 x 5 | 69.50 - 69.75 | 1.0000 | 1.0000 |
| L27 | 41 | PL 1 x 5 | 69.50 - 69.75 | 1.0000 | 1.0000 |
| L27 | 42 | PL 1 x 5 | 69.50 - 69.75 | 1.0000 | 1.0000 |
| L27 | 43 | PL 1 x 5 | 69.50 - 69.75 | 1.0000 | 1.0000 |
| L27 | 55 | (Area) CCI-65FP-045100 (H) | 69.50 - 69.75 | 1.0000 | 1.0000 |
| L27 | 56 | (Area) CCI-65FP-045100 (H) | 69.50 - 69.75 | 1.0000 | 1.0000 |
| L27 | 57 | (Area) CCI-65FP-045100 (H) | 69.50 - 69.75 | 1.0000 | 1.0000 |
| L27 | 59 | (Area) CCI-65FP-065125 (H) | 69.50 - 69.75 | 1.0000 | 1.0000 |
| L27 | 61 | (Area) CCI-65FP-060100 (H) | 69.50 - 69.75 | 1.0000 | 1.0000 |
| L27 | 62 | (Area) CCI-65FP-060100 (H) | 69.50 - 69.75 | 1.0000 | 1.0000 |
| L27 | 64 | (Area) CCI-65FP-045100 (H) | 69.50 - 69.75 | 1.0000 | 1.0000 |
| L27 | 65 | (Area) CCI-65FP-045100 (H) | 69.50 - 69.75 | 1.0000 | 1.0000 |
| L27 | 76 | PL 1.25x4 | 69.50 - | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|---------------------------|-----------------------|--------------------|
| L27 | 77 | PL 1.25x4 | 69.75 69.50 - 69.75 | 1.0000 | 1.0000 |
| L27 | 78 | PL 1.25x4 | 69.50 - 69.75 | 1.0000 | 1.0000 |
| L27 | 79 | PL 1.25x4 | 69.50 - 69.75 | 1.0000 | 1.0000 |
| L28 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 5 | LDF7-50A(1-5/8) | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 7 | HCS 6X12 6AWG(1-3/8) | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 21 | CU12PSM9P8XXX(1-3/8) | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 40 | PL 1 x 5 | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 41 | PL 1 x 5 | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 42 | PL 1 x 5 | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 43 | PL 1 x 5 | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 55 | (Area) CCI-65FP-045100 (H) | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 56 | (Area) CCI-65FP-045100 (H) | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 57 | (Area) CCI-65FP-045100 (H) | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 59 | (Area) CCI-65FP-065125 (H) | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 61 | (Area) CCI-65FP-060100 (H) | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 62 | (Area) CCI-65FP-060100 (H) | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 64 | (Area) CCI-65FP-045100 (H) | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 65 | (Area) CCI-65FP-045100 (H) | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 76 | PL 1.25x4 | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 77 | PL 1.25x4 | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 78 | PL 1.25x4 | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L28 | 79 | PL 1.25x4 | 69.25 - 69.50 | 1.0000 | 1.0000 |
| L29 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 64.25 - 69.25 | 1.0000 | 1.0000 |
| L29 | 5 | LDF7-50A(1-5/8) | 64.25 - 69.25 | 1.0000 | 1.0000 |
| L29 | 7 | HCS 6X12 6AWG(1-3/8) | 64.25 - 69.25 | 1.0000 | 1.0000 |
| L29 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 64.25 - 69.25 | 1.0000 | 1.0000 |
| L29 | 21 | CU12PSM9P8XXX(1-3/8) | 64.25 - 69.25 | 1.0000 | 1.0000 |
| L29 | 40 | PL 1 x 5 | 64.25 - 69.25 | 1.0000 | 1.0000 |
| L29 | 41 | PL 1 x 5 | 64.25 - 69.25 | 1.0000 | 1.0000 |
| L29 | 42 | PL 1 x 5 | 64.25 - 69.25 | 1.0000 | 1.0000 |
| L29 | 43 | PL 1 x 5 | 64.25 - 69.25 | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| L29 | 55 | (Area) CCI-65FP-045100 (H) | 64.25 - 69.25 | 1.0000 | 1.0000 |
| L29 | 56 | (Area) CCI-65FP-045100 (H) | 64.25 - 69.25 | 1.0000 | 1.0000 |
| L29 | 57 | (Area) CCI-65FP-045100 (H) | 64.25 - 69.25 | 1.0000 | 1.0000 |
| L29 | 59 | (Area) CCI-65FP-065125 (H) | 64.25 - 69.25 | 1.0000 | 1.0000 |
| L29 | 61 | (Area) CCI-65FP-060100 (H) | 67.00 - 69.25 | 1.0000 | 1.0000 |
| L29 | 62 | (Area) CCI-65FP-060100 (H) | 67.00 - 69.25 | 1.0000 | 1.0000 |
| L29 | 64 | (Area) CCI-65FP-045100 (H) | 68.00 - 69.25 | 1.0000 | 1.0000 |
| L29 | 65 | (Area) CCI-65FP-045100 (H) | 68.00 - 69.25 | 1.0000 | 1.0000 |
| L29 | 76 | PL 1.25x4 | 68.50 - 69.25 | 1.0000 | 1.0000 |
| L29 | 77 | PL 1.25x4 | 68.25 - 69.25 | 1.0000 | 1.0000 |
| L29 | 78 | PL 1.25x4 | 68.25 - 69.25 | 1.0000 | 1.0000 |
| L29 | 79 | PL 1.25x4 | 68.25 - 69.25 | 1.0000 | 1.0000 |
| L30 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 59.25 - 64.25 | 1.0000 | 1.0000 |
| L30 | 5 | LDF7-50A(1-5/8) | 59.25 - 64.25 | 1.0000 | 1.0000 |
| L30 | 7 | HCS 6X12 6AWG(1-3/8) | 59.25 - 64.25 | 1.0000 | 1.0000 |
| L30 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 59.25 - 64.25 | 1.0000 | 1.0000 |
| L30 | 21 | CU12PSM9P8XXX(1-3/8) | 59.25 - 64.25 | 1.0000 | 1.0000 |
| L30 | 40 | PL 1 x 5 | 59.25 - 64.25 | 1.0000 | 1.0000 |
| L30 | 41 | PL 1 x 5 | 59.25 - 64.25 | 1.0000 | 1.0000 |
| L30 | 42 | PL 1 x 5 | 59.25 - 64.25 | 1.0000 | 1.0000 |
| L30 | 43 | PL 1 x 5 | 59.25 - 64.25 | 1.0000 | 1.0000 |
| L30 | 55 | (Area) CCI-65FP-045100 (H) | 59.25 - 64.25 | 1.0000 | 1.0000 |
| L30 | 56 | (Area) CCI-65FP-045100 (H) | 59.25 - 64.25 | 1.0000 | 1.0000 |
| L30 | 57 | (Area) CCI-65FP-045100 (H) | 59.25 - 64.25 | 1.0000 | 1.0000 |
| L30 | 59 | (Area) CCI-65FP-065125 (H) | 59.25 - 64.25 | 1.0000 | 1.0000 |
| L31 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 56.00 - 59.25 | 1.0000 | 1.0000 |
| L31 | 5 | LDF7-50A(1-5/8) | 56.00 - 59.25 | 1.0000 | 1.0000 |
| L31 | 7 | HCS 6X12 6AWG(1-3/8) | 56.00 - 59.25 | 1.0000 | 1.0000 |
| L31 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 56.00 - 59.25 | 1.0000 | 1.0000 |
| L31 | 21 | CU12PSM9P8XXX(1-3/8) | 56.00 - 59.25 | 1.0000 | 1.0000 |
| L31 | 40 | PL 1 x 5 | 56.00 - 59.25 | 1.0000 | 1.0000 |
| L31 | 41 | PL 1 x 5 | 56.00 - 59.25 | 1.0000 | 1.0000 |
| L31 | 42 | PL 1 x 5 | 56.00 - 59.25 | 1.0000 | 1.0000 |
| L31 | 43 | PL 1 x 5 | 56.00 - | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| | | | 59.25 | | |
| L31 | 55 | (Area) CCI-65FP-045100 | 56.00 - | 1.0000 | 1.0000 |
| | | (H) | 59.25 | | |
| L31 | 56 | (Area) CCI-65FP-045100 | 56.00 - | 1.0000 | 1.0000 |
| | | (H) | 59.25 | | |
| L31 | 57 | (Area) CCI-65FP-045100 | 56.00 - | 1.0000 | 1.0000 |
| | | (H) | 59.25 | | |
| L31 | 59 | (Area) CCI-65FP-065125 | 56.00 - | 1.0000 | 1.0000 |
| | | (H) | 59.25 | | |
| L31 | 67 | (Area) CCI-65FP-045100 | 56.00 - | 1.0000 | 1.0000 |
| | | (H) | 57.50 | | |
| L31 | 68 | (Area) CCI-65FP-045100 | 56.00 - | 1.0000 | 1.0000 |
| | | (H) | 57.50 | | |
| L31 | 69 | (Area) CCI-65FP-045100 | 56.00 - | 1.0000 | 1.0000 |
| | | (H) | 57.50 | | |
| L31 | 70 | (Area) CCI-65FP-045100 | 56.00 - | 1.0000 | 1.0000 |
| | | (H) | 57.25 | | |
| L32 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 55.75 - 56.00 | 1.0000 | 1.0000 |
| L32 | 5 | LDF7-50A(1-5/8) | 55.75 - 56.00 | 1.0000 | 1.0000 |
| L32 | 7 | HCS 6X12 6AWG(1-3/8) | 55.75 - 56.00 | 1.0000 | 1.0000 |
| L32 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 55.75 - 56.00 | 1.0000 | 1.0000 |
| L32 | 21 | CU12PSM9P8XXX(1-3/8) | 55.75 - 56.00 | 1.0000 | 1.0000 |
| L32 | 25 | C6x10.5 | 55.75 - 56.00 | 1.0000 | 1.0000 |
| L32 | 26 | C6x10.5 | 55.75 - 56.00 | 1.0000 | 1.0000 |
| L32 | 27 | C6x10.5 | 55.75 - 56.00 | 1.0000 | 1.0000 |
| L32 | 28 | C6x10.5 | 55.75 - 56.00 | 1.0000 | 1.0000 |
| L32 | 40 | PL 1 x 5 | 55.75 - 56.00 | 1.0000 | 1.0000 |
| L32 | 41 | PL 1 x 5 | 55.75 - 56.00 | 1.0000 | 1.0000 |
| L32 | 42 | PL 1 x 5 | 55.75 - 56.00 | 1.0000 | 1.0000 |
| L32 | 43 | PL 1 x 5 | 55.75 - 56.00 | 1.0000 | 1.0000 |
| L32 | 55 | (Area) CCI-65FP-045100 | 55.75 - | 1.0000 | 1.0000 |
| | | (H) | 56.00 | | |
| L32 | 56 | (Area) CCI-65FP-045100 | 55.75 - | 1.0000 | 1.0000 |
| | | (H) | 56.00 | | |
| L32 | 57 | (Area) CCI-65FP-045100 | 55.75 - | 1.0000 | 1.0000 |
| | | (H) | 56.00 | | |
| L32 | 59 | (Area) CCI-65FP-065125 | 55.75 - | 1.0000 | 1.0000 |
| | | (H) | 56.00 | | |
| L32 | 67 | (Area) CCI-65FP-045100 | 55.75 - | 1.0000 | 1.0000 |
| | | (H) | 56.00 | | |
| L32 | 68 | (Area) CCI-65FP-045100 | 55.75 - | 1.0000 | 1.0000 |
| | | (H) | 56.00 | | |
| L32 | 69 | (Area) CCI-65FP-045100 | 55.75 - | 1.0000 | 1.0000 |
| | | (H) | 56.00 | | |
| L32 | 70 | (Area) CCI-65FP-045100 | 55.75 - | 1.0000 | 1.0000 |
| | | (H) | 56.00 | | |
| L33 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L33 | 5 | LDF7-50A(1-5/8) | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L33 | 7 | HCS 6X12 6AWG(1-3/8) | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L33 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 55.50 - 55.75 | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| L33 | 21 | CU12PSM9P8XXX(1-3/8) | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L33 | 25 | C6x10.5 | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L33 | 26 | C6x10.5 | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L33 | 27 | C6x10.5 | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L33 | 28 | C6x10.5 | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L33 | 40 | PL 1 x 5 | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L33 | 41 | PL 1 x 5 | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L33 | 42 | PL 1 x 5 | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L33 | 43 | PL 1 x 5 | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L33 | 55 | (Area) CCI-65FP-045100 (H) | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L33 | 56 | (Area) CCI-65FP-045100 (H) | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L33 | 57 | (Area) CCI-65FP-045100 (H) | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L33 | 59 | (Area) CCI-65FP-065125 (H) | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L33 | 67 | (Area) CCI-65FP-045100 (H) | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L33 | 68 | (Area) CCI-65FP-045100 (H) | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L33 | 69 | (Area) CCI-65FP-045100 (H) | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L33 | 70 | (Area) CCI-65FP-045100 (H) | 55.50 - 55.75 | 1.0000 | 1.0000 |
| L34 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L34 | 5 | LDF7-50A(1-5/8) | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L34 | 7 | HCS 6X12 6AWG(1-3/8) | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L34 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L34 | 21 | CU12PSM9P8XXX(1-3/8) | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L34 | 25 | C6x10.5 | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L34 | 26 | C6x10.5 | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L34 | 27 | C6x10.5 | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L34 | 28 | C6x10.5 | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L34 | 40 | PL 1 x 5 | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L34 | 41 | PL 1 x 5 | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L34 | 42 | PL 1 x 5 | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L34 | 43 | PL 1 x 5 | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L34 | 55 | (Area) CCI-65FP-045100 (H) | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L34 | 56 | (Area) CCI-65FP-045100 (H) | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L34 | 57 | (Area) CCI-65FP-045100 (H) | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L34 | 59 | (Area) CCI-65FP-065125 (H) | 55.25 - 55.50 | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| L34 | 67 | (Area) CCI-65FP-045100 (H) | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L34 | 68 | (Area) CCI-65FP-045100 (H) | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L34 | 69 | (Area) CCI-65FP-045100 (H) | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L34 | 70 | (Area) CCI-65FP-045100 (H) | 55.25 - 55.50 | 1.0000 | 1.0000 |
| L35 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 5 | LDF7-50A(1-5/8) | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 7 | HCS 6X12 6AWG(1-3/8) | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 21 | CU12PSM9P8XXX(1-3/8) | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 25 | C6x10.5 | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 26 | C6x10.5 | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 27 | C6x10.5 | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 28 | C6x10.5 | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 40 | PL 1 x 5 | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 41 | PL 1 x 5 | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 42 | PL 1 x 5 | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 43 | PL 1 x 5 | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 55 | (Area) CCI-65FP-045100 (H) | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 56 | (Area) CCI-65FP-045100 (H) | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 57 | (Area) CCI-65FP-045100 (H) | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 59 | (Area) CCI-65FP-065125 (H) | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 67 | (Area) CCI-65FP-045100 (H) | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 68 | (Area) CCI-65FP-045100 (H) | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 69 | (Area) CCI-65FP-045100 (H) | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L35 | 70 | (Area) CCI-65FP-045100 (H) | 54.00 - 55.25 | 1.0000 | 1.0000 |
| L36 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 53.75 - 54.00 | 1.0000 | 1.0000 |
| L36 | 5 | LDF7-50A(1-5/8) | 53.75 - 54.00 | 1.0000 | 1.0000 |
| L36 | 7 | HCS 6X12 6AWG(1-3/8) | 53.75 - 54.00 | 1.0000 | 1.0000 |
| L36 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 53.75 - 54.00 | 1.0000 | 1.0000 |
| L36 | 21 | CU12PSM9P8XXX(1-3/8) | 53.75 - 54.00 | 1.0000 | 1.0000 |
| L36 | 25 | C6x10.5 | 53.75 - 54.00 | 1.0000 | 1.0000 |
| L36 | 26 | C6x10.5 | 53.75 - 54.00 | 1.0000 | 1.0000 |
| L36 | 27 | C6x10.5 | 53.75 - 54.00 | 1.0000 | 1.0000 |
| L36 | 28 | C6x10.5 | 53.75 - | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| L36 | 40 | PL 1 x 5 | 54.00 53.75 - | 1.0000 | 1.0000 |
| L36 | 41 | PL 1 x 5 | 54.00 53.75 - | 1.0000 | 1.0000 |
| L36 | 42 | PL 1 x 5 | 54.00 53.75 - | 1.0000 | 1.0000 |
| L36 | 43 | PL 1 x 5 | 54.00 53.75 - | 1.0000 | 1.0000 |
| L36 | 55 | (Area) CCI-65FP-045100 (H) | 54.00 53.75 - | 1.0000 | 1.0000 |
| L36 | 56 | (Area) CCI-65FP-045100 (H) | 54.00 53.75 - | 1.0000 | 1.0000 |
| L36 | 57 | (Area) CCI-65FP-045100 (H) | 54.00 53.75 - | 1.0000 | 1.0000 |
| L36 | 59 | (Area) CCI-65FP-065125 (H) | 54.00 53.75 - | 1.0000 | 1.0000 |
| L36 | 67 | (Area) CCI-65FP-045100 (H) | 54.00 53.75 - | 1.0000 | 1.0000 |
| L36 | 68 | (Area) CCI-65FP-045100 (H) | 54.00 53.75 - | 1.0000 | 1.0000 |
| L36 | 69 | (Area) CCI-65FP-045100 (H) | 54.00 53.75 - | 1.0000 | 1.0000 |
| L36 | 70 | (Area) CCI-65FP-045100 (H) | 54.00 53.75 - | 1.0000 | 1.0000 |
| L37 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 5 | LDF7-50A(1-5/8) | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 7 | HCS 6X12 6AWG(1-3/8) | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 21 | CU12PSM9P8XXX(1-3/8) | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 25 | C6x10.5 | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 26 | C6x10.5 | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 27 | C6x10.5 | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 28 | C6x10.5 | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 40 | PL 1 x 5 | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 41 | PL 1 x 5 | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 42 | PL 1 x 5 | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 43 | PL 1 x 5 | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 55 | (Area) CCI-65FP-045100 (H) | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 56 | (Area) CCI-65FP-045100 (H) | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 57 | (Area) CCI-65FP-045100 (H) | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 59 | (Area) CCI-65FP-065125 (H) | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 67 | (Area) CCI-65FP-045100 (H) | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 68 | (Area) CCI-65FP-045100 (H) | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 69 | (Area) CCI-65FP-045100 (H) | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L37 | 70 | (Area) CCI-65FP-045100 (H) | 53.50 - 53.75 | 1.0000 | 1.0000 |
| L38 | 2 | HB158-21U6S24- | 53.25 - | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|---------------------------|-----------------------|--------------------|
| L38 | 5 | xxM_TMO(1-5/8) LDF7-50A(1-5/8) | 53.50 53.25 - 53.50 | 1.0000 | 1.0000 |
| L38 | 7 | HCS 6X12 6AWG(1-3/8) | 53.25 - 53.50 | 1.0000 | 1.0000 |
| L38 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 53.25 - 53.50 | 1.0000 | 1.0000 |
| L38 | 21 | CU12PSM9P8XXX(1-3/8) | 53.25 - 53.50 | 1.0000 | 1.0000 |
| L38 | 25 | C6x10.5 | 53.25 - 53.50 | 1.0000 | 1.0000 |
| L38 | 26 | C6x10.5 | 53.25 - 53.50 | 1.0000 | 1.0000 |
| L38 | 27 | C6x10.5 | 53.25 - 53.50 | 1.0000 | 1.0000 |
| L38 | 28 | C6x10.5 | 53.25 - 53.50 | 1.0000 | 1.0000 |
| L38 | 40 | PL 1 x 5 | 53.25 - 53.50 | 1.0000 | 1.0000 |
| L38 | 41 | PL 1 x 5 | 53.25 - 53.50 | 1.0000 | 1.0000 |
| L38 | 42 | PL 1 x 5 | 53.25 - 53.50 | 1.0000 | 1.0000 |
| L38 | 43 | PL 1 x 5 | 53.25 - 53.50 | 1.0000 | 1.0000 |
| L38 | 55 | (Area) CCI-65FP-045100 (H) | 53.25 - 53.50 | 1.0000 | 1.0000 |
| L38 | 56 | (Area) CCI-65FP-045100 (H) | 53.25 - 53.50 | 1.0000 | 1.0000 |
| L38 | 57 | (Area) CCI-65FP-045100 (H) | 53.25 - 53.50 | 1.0000 | 1.0000 |
| L38 | 59 | (Area) CCI-65FP-065125 (H) | 53.25 - 53.50 | 1.0000 | 1.0000 |
| L38 | 67 | (Area) CCI-65FP-045100 (H) | 53.25 - 53.50 | 1.0000 | 1.0000 |
| L38 | 68 | (Area) CCI-65FP-045100 (H) | 53.25 - 53.50 | 1.0000 | 1.0000 |
| L38 | 69 | (Area) CCI-65FP-045100 (H) | 53.25 - 53.50 | 1.0000 | 1.0000 |
| L38 | 70 | (Area) CCI-65FP-045100 (H) | 53.25 - 53.50 | 1.0000 | 1.0000 |
| L39 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L39 | 5 | LDF7-50A(1-5/8) | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L39 | 7 | HCS 6X12 6AWG(1-3/8) | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L39 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L39 | 21 | CU12PSM9P8XXX(1-3/8) | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L39 | 25 | C6x10.5 | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L39 | 26 | C6x10.5 | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L39 | 27 | C6x10.5 | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L39 | 28 | C6x10.5 | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L39 | 40 | PL 1 x 5 | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L39 | 41 | PL 1 x 5 | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L39 | 42 | PL 1 x 5 | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L39 | 43 | PL 1 x 5 | 53.00 - 53.25 | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| L39 | 55 | (Area) CCI-65FP-045100 (H) | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L39 | 56 | (Area) CCI-65FP-045100 (H) | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L39 | 57 | (Area) CCI-65FP-045100 (H) | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L39 | 59 | (Area) CCI-65FP-065125 (H) | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L39 | 67 | (Area) CCI-65FP-045100 (H) | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L39 | 68 | (Area) CCI-65FP-045100 (H) | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L39 | 69 | (Area) CCI-65FP-045100 (H) | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L39 | 70 | (Area) CCI-65FP-045100 (H) | 53.00 - 53.25 | 1.0000 | 1.0000 |
| L40 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 48.00 - 53.00 | 1.0000 | 1.0000 |
| L40 | 5 | LDF7-50A(1-5/8) | 48.00 - 53.00 | 1.0000 | 1.0000 |
| L40 | 7 | HCS 6X12 6AWG(1-3/8) | 48.00 - 53.00 | 1.0000 | 1.0000 |
| L40 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 48.00 - 53.00 | 1.0000 | 1.0000 |
| L40 | 21 | CU12PSM9P8XXX(1-3/8) | 48.00 - 53.00 | 1.0000 | 1.0000 |
| L40 | 25 | C6x10.5 | 48.00 - 53.00 | 1.0000 | 1.0000 |
| L40 | 26 | C6x10.5 | 48.00 - 53.00 | 1.0000 | 1.0000 |
| L40 | 27 | C6x10.5 | 48.00 - 53.00 | 1.0000 | 1.0000 |
| L40 | 28 | C6x10.5 | 48.00 - 53.00 | 1.0000 | 1.0000 |
| L40 | 40 | PL 1 x 5 | 48.00 - 53.00 | 1.0000 | 1.0000 |
| L40 | 41 | PL 1 x 5 | 48.00 - 53.00 | 1.0000 | 1.0000 |
| L40 | 42 | PL 1 x 5 | 48.00 - 53.00 | 1.0000 | 1.0000 |
| L40 | 43 | PL 1 x 5 | 48.00 - 53.00 | 1.0000 | 1.0000 |
| L40 | 55 | (Area) CCI-65FP-045100 (H) | 52.00 - 53.00 | 1.0000 | 1.0000 |
| L40 | 56 | (Area) CCI-65FP-045100 (H) | 52.00 - 53.00 | 1.0000 | 1.0000 |
| L40 | 57 | (Area) CCI-65FP-045100 (H) | 52.00 - 53.00 | 1.0000 | 1.0000 |
| L40 | 59 | (Area) CCI-65FP-065125 (H) | 50.50 - 53.00 | 1.0000 | 1.0000 |
| L40 | 67 | (Area) CCI-65FP-045100 (H) | 48.00 - 53.00 | 1.0000 | 1.0000 |
| L40 | 68 | (Area) CCI-65FP-045100 (H) | 48.00 - 53.00 | 1.0000 | 1.0000 |
| L40 | 69 | (Area) CCI-65FP-045100 (H) | 48.00 - 53.00 | 1.0000 | 1.0000 |
| L40 | 70 | (Area) CCI-65FP-045100 (H) | 48.00 - 53.00 | 1.0000 | 1.0000 |
| L41 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 39.75 - 48.00 | 1.0000 | 1.0000 |
| L41 | 5 | LDF7-50A(1-5/8) | 39.75 - 48.00 | 1.0000 | 1.0000 |
| L41 | 7 | HCS 6X12 6AWG(1-3/8) | 39.75 - 48.00 | 1.0000 | 1.0000 |
| L41 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 39.75 - 48.00 | 1.0000 | 1.0000 |
| L41 | 21 | CU12PSM9P8XXX(1-3/8) | 39.75 - | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| L41 | 25 | C6x10.5 | 48.00 39.75 - 48.00 | 1.0000 | 1.0000 |
| L41 | 26 | C6x10.5 | 48.00 39.75 - 48.00 | 1.0000 | 1.0000 |
| L41 | 27 | C6x10.5 | 48.00 39.75 - 48.00 | 1.0000 | 1.0000 |
| L41 | 28 | C6x10.5 | 48.00 39.75 - 48.00 | 1.0000 | 1.0000 |
| L41 | 40 | PL 1 x 5 | 48.00 39.75 - 48.00 | 1.0000 | 1.0000 |
| L41 | 41 | PL 1 x 5 | 48.00 39.75 - 48.00 | 1.0000 | 1.0000 |
| L41 | 42 | PL 1 x 5 | 48.00 39.75 - 48.00 | 1.0000 | 1.0000 |
| L41 | 43 | PL 1 x 5 | 48.00 39.75 - 48.00 | 1.0000 | 1.0000 |
| L41 | 50 | (Area) Aero MP3-03 (H) | 48.00 39.75 - 45.42 | 1.0000 | 1.0000 |
| L41 | 51 | (Area) Aero MP3-03 (H) | 48.00 39.75 - 45.42 | 1.0000 | 1.0000 |
| L41 | 52 | (Area) Aero MP3-03 (H) | 48.00 39.75 - 45.42 | 1.0000 | 1.0000 |
| L41 | 53 | (Area) Aero MP3-03 (H) | 48.00 39.75 - 45.42 | 1.0000 | 1.0000 |
| L41 | 67 | (Area) CCI-65FP-045100 (H) | 48.00 42.50 - 48.00 | 1.0000 | 1.0000 |
| L41 | 68 | (Area) CCI-65FP-045100 (H) | 48.00 42.50 - 48.00 | 1.0000 | 1.0000 |
| L41 | 69 | (Area) CCI-65FP-045100 (H) | 48.00 42.50 - 48.00 | 1.0000 | 1.0000 |
| L41 | 70 | (Area) CCI-65FP-045100 (H) | 48.00 42.25 - 48.00 | 1.0000 | 1.0000 |
| L42 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 38.75 - 39.75 | 1.0000 | 1.0000 |
| L42 | 5 | LDF7-50A(1-5/8) | 38.75 - 39.75 | 1.0000 | 1.0000 |
| L42 | 7 | HCS 6X12 6AWG(1-3/8) | 38.75 - 39.75 | 1.0000 | 1.0000 |
| L42 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 38.75 - 39.75 | 1.0000 | 1.0000 |
| L42 | 21 | CU12PSM9P8XXX(1-3/8) | 38.75 - 39.75 | 1.0000 | 1.0000 |
| L42 | 25 | C6x10.5 | 38.75 - 39.75 | 1.0000 | 1.0000 |
| L42 | 26 | C6x10.5 | 38.75 - 39.75 | 1.0000 | 1.0000 |
| L42 | 27 | C6x10.5 | 38.75 - 39.75 | 1.0000 | 1.0000 |
| L42 | 28 | C6x10.5 | 38.75 - 39.75 | 1.0000 | 1.0000 |
| L42 | 40 | PL 1 x 5 | 38.75 - 39.75 | 1.0000 | 1.0000 |
| L42 | 41 | PL 1 x 5 | 38.75 - 39.75 | 1.0000 | 1.0000 |
| L42 | 42 | PL 1 x 5 | 38.75 - 39.75 | 1.0000 | 1.0000 |
| L42 | 43 | PL 1 x 5 | 38.75 - 39.75 | 1.0000 | 1.0000 |
| L42 | 50 | (Area) Aero MP3-03 (H) | 38.75 - 39.75 | 1.0000 | 1.0000 |
| L42 | 51 | (Area) Aero MP3-03 (H) | 38.75 - 39.75 | 1.0000 | 1.0000 |
| L42 | 52 | (Area) Aero MP3-03 (H) | 38.75 - 39.75 | 1.0000 | 1.0000 |
| L42 | 53 | (Area) Aero MP3-03 (H) | 38.75 - 39.75 | 1.0000 | 1.0000 |
| L43 | 2 | HB158-21U6S24- | 34.75 - | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|---------------------------|-----------------------|--------------------|
| L43 | 5 | xxM_TMO(1-5/8) LDF7-50A(1-5/8) | 38.75 34.75 - 38.75 | 1.0000 | 1.0000 |
| L43 | 7 | HCS 6X12 6AWG(1-3/8) | 34.75 - 38.75 | 1.0000 | 1.0000 |
| L43 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 34.75 - 38.75 | 1.0000 | 1.0000 |
| L43 | 21 | CU12PSM9P8XXX(1-3/8) | 34.75 - 38.75 | 1.0000 | 1.0000 |
| L43 | 25 | C6x10.5 | 34.75 - 38.75 | 1.0000 | 1.0000 |
| L43 | 26 | C6x10.5 | 34.75 - 38.75 | 1.0000 | 1.0000 |
| L43 | 27 | C6x10.5 | 34.75 - 38.75 | 1.0000 | 1.0000 |
| L43 | 28 | C6x10.5 | 34.75 - 38.75 | 1.0000 | 1.0000 |
| L43 | 35 | PL 1 x 5 | 34.75 - 37.00 | 1.0000 | 1.0000 |
| L43 | 36 | PL 1 x 5 | 34.75 - 37.00 | 1.0000 | 1.0000 |
| L43 | 37 | PL 1 x 5 | 34.75 - 37.00 | 1.0000 | 1.0000 |
| L43 | 38 | PL 1 x 5 | 34.75 - 37.00 | 1.0000 | 1.0000 |
| L43 | 40 | PL 1 x 5 | 34.75 - 38.75 | 1.0000 | 1.0000 |
| L43 | 41 | PL 1 x 5 | 34.75 - 38.75 | 1.0000 | 1.0000 |
| L43 | 42 | PL 1 x 5 | 34.75 - 38.75 | 1.0000 | 1.0000 |
| L43 | 43 | PL 1 x 5 | 34.75 - 38.75 | 1.0000 | 1.0000 |
| L43 | 50 | (Area) Aero MP3-03 (H) | 34.75 - 38.75 | 1.0000 | 1.0000 |
| L43 | 51 | (Area) Aero MP3-03 (H) | 34.75 - 38.75 | 1.0000 | 1.0000 |
| L43 | 52 | (Area) Aero MP3-03 (H) | 34.75 - 38.75 | 1.0000 | 1.0000 |
| L43 | 53 | (Area) Aero MP3-03 (H) | 34.75 - 38.75 | 1.0000 | 1.0000 |
| L44 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L44 | 5 | LDF7-50A(1-5/8) | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L44 | 7 | HCS 6X12 6AWG(1-3/8) | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L44 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L44 | 21 | CU12PSM9P8XXX(1-3/8) | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L44 | 25 | C6x10.5 | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L44 | 26 | C6x10.5 | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L44 | 27 | C6x10.5 | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L44 | 28 | C6x10.5 | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L44 | 35 | PL 1 x 5 | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L44 | 36 | PL 1 x 5 | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L44 | 37 | PL 1 x 5 | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L44 | 38 | PL 1 x 5 | 34.50 - 34.75 | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| L44 | 40 | PL 1 x 5 | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L44 | 41 | PL 1 x 5 | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L44 | 42 | PL 1 x 5 | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L44 | 43 | PL 1 x 5 | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L44 | 50 | (Area) Aero MP3-03 (H) | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L44 | 51 | (Area) Aero MP3-03 (H) | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L44 | 52 | (Area) Aero MP3-03 (H) | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L44 | 53 | (Area) Aero MP3-03 (H) | 34.50 - 34.75 | 1.0000 | 1.0000 |
| L45 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 5 | LDF7-50A(1-5/8) | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 7 | HCS 6X12 6AWG(1-3/8) | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 21 | CU12PSM9P8XXX(1-3/8) | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 25 | C6x10.5 | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 26 | C6x10.5 | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 27 | C6x10.5 | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 28 | C6x10.5 | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 35 | PL 1 x 5 | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 36 | PL 1 x 5 | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 37 | PL 1 x 5 | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 38 | PL 1 x 5 | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 40 | PL 1 x 5 | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 41 | PL 1 x 5 | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 42 | PL 1 x 5 | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 43 | PL 1 x 5 | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 50 | (Area) Aero MP3-03 (H) | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 51 | (Area) Aero MP3-03 (H) | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 52 | (Area) Aero MP3-03 (H) | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L45 | 53 | (Area) Aero MP3-03 (H) | 33.75 - 34.50 | 1.0000 | 1.0000 |
| L46 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 33.50 - 33.75 | 1.0000 | 1.0000 |
| L46 | 5 | LDF7-50A(1-5/8) | 33.50 - 33.75 | 1.0000 | 1.0000 |
| L46 | 7 | HCS 6X12 6AWG(1-3/8) | 33.50 - 33.75 | 1.0000 | 1.0000 |
| L46 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 33.50 - 33.75 | 1.0000 | 1.0000 |
| L46 | 21 | CU12PSM9P8XXX(1-3/8) | 33.50 - | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|---------------------------|-----------------------|--------------------|
| L46 | 25 | C6x10.5 | 33.75 33.50 - 33.75 | 1.0000 | 1.0000 |
| L46 | 26 | C6x10.5 | 33.50 - 33.75 | 1.0000 | 1.0000 |
| L46 | 27 | C6x10.5 | 33.50 - 33.75 | 1.0000 | 1.0000 |
| L46 | 28 | C6x10.5 | 33.50 - 33.75 | 1.0000 | 1.0000 |
| L46 | 35 | PL 1 x 5 | 33.50 - 33.75 | 1.0000 | 1.0000 |
| L46 | 36 | PL 1 x 5 | 33.50 - 33.75 | 1.0000 | 1.0000 |
| L46 | 37 | PL 1 x 5 | 33.50 - 33.75 | 1.0000 | 1.0000 |
| L46 | 38 | PL 1 x 5 | 33.50 - 33.75 | 1.0000 | 1.0000 |
| L46 | 40 | PL 1 x 5 | 33.50 - 33.75 | 1.0000 | 1.0000 |
| L46 | 41 | PL 1 x 5 | 33.50 - 33.75 | 1.0000 | 1.0000 |
| L46 | 42 | PL 1 x 5 | 33.50 - 33.75 | 1.0000 | 1.0000 |
| L46 | 43 | PL 1 x 5 | 33.50 - 33.75 | 1.0000 | 1.0000 |
| L46 | 50 | (Area) Aero MP3-03 (H) | 33.50 - 33.75 | 1.0000 | 1.0000 |
| L46 | 51 | (Area) Aero MP3-03 (H) | 33.50 - 33.75 | 1.0000 | 1.0000 |
| L46 | 52 | (Area) Aero MP3-03 (H) | 33.50 - 33.75 | 1.0000 | 1.0000 |
| L46 | 53 | (Area) Aero MP3-03 (H) | 33.50 - 33.75 | 1.0000 | 1.0000 |
| L47 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 28.50 - 33.50 | 1.0000 | 1.0000 |
| L47 | 5 | LDF7-50A(1-5/8) | 28.50 - 33.50 | 1.0000 | 1.0000 |
| L47 | 7 | HCS 6X12 6AWG(1-3/8) | 28.50 - 33.50 | 1.0000 | 1.0000 |
| L47 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 28.50 - 33.50 | 1.0000 | 1.0000 |
| L47 | 21 | CU12PSM9P8XXX(1-3/8) | 28.50 - 33.50 | 1.0000 | 1.0000 |
| L47 | 25 | C6x10.5 | 28.50 - 33.50 | 1.0000 | 1.0000 |
| L47 | 26 | C6x10.5 | 28.50 - 33.50 | 1.0000 | 1.0000 |
| L47 | 27 | C6x10.5 | 28.50 - 33.50 | 1.0000 | 1.0000 |
| L47 | 28 | C6x10.5 | 28.50 - 33.50 | 1.0000 | 1.0000 |
| L47 | 35 | PL 1 x 5 | 28.50 - 33.50 | 1.0000 | 1.0000 |
| L47 | 36 | PL 1 x 5 | 28.50 - 33.50 | 1.0000 | 1.0000 |
| L47 | 37 | PL 1 x 5 | 28.50 - 33.50 | 1.0000 | 1.0000 |
| L47 | 38 | PL 1 x 5 | 28.50 - 33.50 | 1.0000 | 1.0000 |
| L47 | 40 | PL 1 x 5 | 31.50 - 33.50 | 1.0000 | 1.0000 |
| L47 | 41 | PL 1 x 5 | 31.50 - 33.50 | 1.0000 | 1.0000 |
| L47 | 42 | PL 1 x 5 | 31.50 - 33.50 | 1.0000 | 1.0000 |
| L47 | 43 | PL 1 x 5 | 31.50 - 33.50 | 1.0000 | 1.0000 |
| L47 | 50 | (Area) Aero MP3-03 (H) | 28.50 - | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| L47 | 51 | (Area) Aero MP3-03 (H) | 33.50 28.50 - | 1.0000 | 1.0000 |
| L47 | 52 | (Area) Aero MP3-03 (H) | 33.50 28.50 - | 1.0000 | 1.0000 |
| L47 | 53 | (Area) Aero MP3-03 (H) | 33.50 28.50 - | 1.0000 | 1.0000 |
| L48 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 33.50 24.00 - | 1.0000 | 1.0000 |
| L48 | 5 | LDF7-50A(1-5/8) | 28.50 24.00 - | 1.0000 | 1.0000 |
| L48 | 7 | HCS 6X12 6AWG(1-3/8) | 28.50 24.00 - | 1.0000 | 1.0000 |
| L48 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 28.50 24.00 - | 1.0000 | 1.0000 |
| L48 | 21 | CU12PSM9P8XXX(1-3/8) | 28.50 24.00 - | 1.0000 | 1.0000 |
| L48 | 25 | C6x10.5 | 28.50 24.00 - | 1.0000 | 1.0000 |
| L48 | 26 | C6x10.5 | 28.50 24.00 - | 1.0000 | 1.0000 |
| L48 | 27 | C6x10.5 | 28.50 24.00 - | 1.0000 | 1.0000 |
| L48 | 28 | C6x10.5 | 28.50 24.00 - | 1.0000 | 1.0000 |
| L48 | 30 | (Area) Aero MP3-04 (H) | 28.50 24.00 - | 1.0000 | 1.0000 |
| L48 | 31 | (Area) Aero MP3-04 (H) | 25.42 24.00 - | 1.0000 | 1.0000 |
| L48 | 32 | (Area) Aero MP3-04 (H) | 25.42 24.00 - | 1.0000 | 1.0000 |
| L48 | 33 | (Area) Aero MP3-04 (H) | 25.42 24.00 - | 1.0000 | 1.0000 |
| L48 | 35 | PL 1 x 5 | 25.42 24.00 - | 1.0000 | 1.0000 |
| L48 | 36 | PL 1 x 5 | 28.50 24.00 - | 1.0000 | 1.0000 |
| L48 | 37 | PL 1 x 5 | 28.50 24.00 - | 1.0000 | 1.0000 |
| L48 | 38 | PL 1 x 5 | 28.50 24.00 - | 1.0000 | 1.0000 |
| L48 | 50 | (Area) Aero MP3-03 (H) | 28.50 25.42 - | 1.0000 | 1.0000 |
| L48 | 51 | (Area) Aero MP3-03 (H) | 28.50 25.42 - | 1.0000 | 1.0000 |
| L48 | 52 | (Area) Aero MP3-03 (H) | 28.50 25.42 - | 1.0000 | 1.0000 |
| L48 | 53 | (Area) Aero MP3-03 (H) | 28.50 25.42 - | 1.0000 | 1.0000 |
| L49 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 28.50 23.75 - | 1.0000 | 1.0000 |
| L49 | 5 | LDF7-50A(1-5/8) | 24.00 23.75 - | 1.0000 | 1.0000 |
| L49 | 7 | HCS 6X12 6AWG(1-3/8) | 24.00 23.75 - | 1.0000 | 1.0000 |
| L49 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 24.00 23.75 - | 1.0000 | 1.0000 |
| L49 | 21 | CU12PSM9P8XXX(1-3/8) | 24.00 23.75 - | 1.0000 | 1.0000 |
| L49 | 25 | C6x10.5 | 24.00 23.75 - | 1.0000 | 1.0000 |
| L49 | 26 | C6x10.5 | 24.00 23.75 - | 1.0000 | 1.0000 |
| L49 | 27 | C6x10.5 | 24.00 23.75 - | 1.0000 | 1.0000 |
| L49 | 28 | C6x10.5 | 24.00 23.75 - | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| L49 | 30 | (Area) Aero MP3-04 (H) | 23.75 - 24.00 | 1.0000 | 1.0000 |
| L49 | 31 | (Area) Aero MP3-04 (H) | 23.75 - 24.00 | 1.0000 | 1.0000 |
| L49 | 32 | (Area) Aero MP3-04 (H) | 23.75 - 24.00 | 1.0000 | 1.0000 |
| L49 | 33 | (Area) Aero MP3-04 (H) | 23.75 - 24.00 | 1.0000 | 1.0000 |
| L49 | 35 | PL 1 x 5 | 23.75 - 24.00 | 1.0000 | 1.0000 |
| L49 | 36 | PL 1 x 5 | 23.75 - 24.00 | 1.0000 | 1.0000 |
| L49 | 37 | PL 1 x 5 | 23.75 - 24.00 | 1.0000 | 1.0000 |
| L49 | 38 | PL 1 x 5 | 23.75 - 24.00 | 1.0000 | 1.0000 |
| L50 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 18.75 - 23.75 | 1.0000 | 1.0000 |
| L50 | 5 | LDF7-50A(1-5/8) | 18.75 - 23.75 | 1.0000 | 1.0000 |
| L50 | 7 | HCS 6X12 6AWG(1-3/8) | 18.75 - 23.75 | 1.0000 | 1.0000 |
| L50 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 18.75 - 23.75 | 1.0000 | 1.0000 |
| L50 | 21 | CU12PSM9P8XXX(1-3/8) | 18.75 - 23.75 | 1.0000 | 1.0000 |
| L50 | 25 | C6x10.5 | 18.75 - 23.75 | 1.0000 | 1.0000 |
| L50 | 26 | C6x10.5 | 18.75 - 23.75 | 1.0000 | 1.0000 |
| L50 | 27 | C6x10.5 | 18.75 - 23.75 | 1.0000 | 1.0000 |
| L50 | 28 | C6x10.5 | 18.75 - 23.75 | 1.0000 | 1.0000 |
| L50 | 30 | (Area) Aero MP3-04 (H) | 18.75 - 23.75 | 1.0000 | 1.0000 |
| L50 | 31 | (Area) Aero MP3-04 (H) | 18.75 - 23.75 | 1.0000 | 1.0000 |
| L50 | 32 | (Area) Aero MP3-04 (H) | 18.75 - 23.75 | 1.0000 | 1.0000 |
| L50 | 33 | (Area) Aero MP3-04 (H) | 18.75 - 23.75 | 1.0000 | 1.0000 |
| L50 | 35 | PL 1 x 5 | 18.75 - 23.75 | 1.0000 | 1.0000 |
| L50 | 36 | PL 1 x 5 | 18.75 - 23.75 | 1.0000 | 1.0000 |
| L50 | 37 | PL 1 x 5 | 18.75 - 23.75 | 1.0000 | 1.0000 |
| L50 | 38 | PL 1 x 5 | 18.75 - 23.75 | 1.0000 | 1.0000 |
| L51 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 14.25 - 18.75 | 1.0000 | 1.0000 |
| L51 | 5 | LDF7-50A(1-5/8) | 14.25 - 18.75 | 1.0000 | 1.0000 |
| L51 | 7 | HCS 6X12 6AWG(1-3/8) | 14.25 - 18.75 | 1.0000 | 1.0000 |
| L51 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 14.25 - 18.75 | 1.0000 | 1.0000 |
| L51 | 21 | CU12PSM9P8XXX(1-3/8) | 14.25 - 18.75 | 1.0000 | 1.0000 |
| L51 | 25 | C6x10.5 | 14.25 - 18.75 | 1.0000 | 1.0000 |
| L51 | 26 | C6x10.5 | 14.25 - 18.75 | 1.0000 | 1.0000 |
| L51 | 27 | C6x10.5 | 14.25 - 18.75 | 1.0000 | 1.0000 |
| L51 | 28 | C6x10.5 | 14.25 - 18.75 | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| L51 | 30 | (Area) Aero MP3-04 (H) | 18.75 14.25 - 18.75 | 1.0000 | 1.0000 |
| L51 | 31 | (Area) Aero MP3-04 (H) | 18.75 14.25 - 18.75 | 1.0000 | 1.0000 |
| L51 | 32 | (Area) Aero MP3-04 (H) | 18.75 14.25 - 18.75 | 1.0000 | 1.0000 |
| L51 | 33 | (Area) Aero MP3-04 (H) | 18.75 14.25 - 18.75 | 1.0000 | 1.0000 |
| L51 | 35 | PL 1 x 5 | 18.75 14.25 - 18.75 | 1.0000 | 1.0000 |
| L51 | 36 | PL 1 x 5 | 18.75 14.25 - 18.75 | 1.0000 | 1.0000 |
| L51 | 37 | PL 1 x 5 | 18.75 14.25 - 18.75 | 1.0000 | 1.0000 |
| L51 | 38 | PL 1 x 5 | 18.75 14.25 - 18.75 | 1.0000 | 1.0000 |
| L51 | 45 | (Area) Aero MP3-03 (H) | 18.75 14.25 - 15.42 | 1.0000 | 1.0000 |
| L51 | 46 | (Area) Aero MP3-03 (H) | 15.42 14.25 - 15.42 | 1.0000 | 1.0000 |
| L51 | 47 | (Area) Aero MP3-03 (H) | 15.42 14.25 - 15.42 | 1.0000 | 1.0000 |
| L51 | 48 | (Area) Aero MP3-03 (H) | 15.42 14.25 - 15.42 | 1.0000 | 1.0000 |
| L52 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 5 | LDF7-50A(1-5/8) | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 7 | HCS 6X12 6AWG(1-3/8) | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 21 | CU12PSM9P8XXX(1-3/8) | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 25 | C6x10.5 | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 26 | C6x10.5 | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 27 | C6x10.5 | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 28 | C6x10.5 | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 30 | (Area) Aero MP3-04 (H) | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 31 | (Area) Aero MP3-04 (H) | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 32 | (Area) Aero MP3-04 (H) | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 33 | (Area) Aero MP3-04 (H) | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 35 | PL 1 x 5 | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 36 | PL 1 x 5 | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 37 | PL 1 x 5 | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 38 | PL 1 x 5 | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 45 | (Area) Aero MP3-03 (H) | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 46 | (Area) Aero MP3-03 (H) | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 47 | (Area) Aero MP3-03 (H) | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L52 | 48 | (Area) Aero MP3-03 (H) | 14.00 - 14.25 | 1.0000 | 1.0000 |
| L53 | 2 | HB158-21U6S24- | 9.00 - 14.00 | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| L53 | 5 | xxM_TMO(1-5/8) LDF7-50A(1-5/8) | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L53 | 7 | HCS 6X12 6AWG(1-3/8) | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L53 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L53 | 21 | CU12PSM9P8XXX(1-3/8) | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L53 | 25 | C6x10.5 | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L53 | 26 | C6x10.5 | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L53 | 27 | C6x10.5 | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L53 | 28 | C6x10.5 | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L53 | 30 | (Area) Aero MP3-04 (H) | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L53 | 31 | (Area) Aero MP3-04 (H) | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L53 | 32 | (Area) Aero MP3-04 (H) | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L53 | 33 | (Area) Aero MP3-04 (H) | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L53 | 35 | PL 1 x 5 | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L53 | 36 | PL 1 x 5 | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L53 | 37 | PL 1 x 5 | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L53 | 38 | PL 1 x 5 | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L53 | 45 | (Area) Aero MP3-03 (H) | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L53 | 46 | (Area) Aero MP3-03 (H) | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L53 | 47 | (Area) Aero MP3-03 (H) | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L53 | 48 | (Area) Aero MP3-03 (H) | 9.00 - 14.00 | 1.0000 | 1.0000 |
| L54 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 5.00 - 9.00 | 1.0000 | 1.0000 |
| L54 | 5 | LDF7-50A(1-5/8) | 5.00 - 9.00 | 1.0000 | 1.0000 |
| L54 | 7 | HCS 6X12 6AWG(1-3/8) | 5.00 - 9.00 | 1.0000 | 1.0000 |
| L54 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 5.00 - 9.00 | 1.0000 | 1.0000 |
| L54 | 21 | CU12PSM9P8XXX(1-3/8) | 5.00 - 9.00 | 1.0000 | 1.0000 |
| L54 | 25 | C6x10.5 | 7.67 - 9.00 | 1.0000 | 1.0000 |
| L54 | 26 | C6x10.5 | 8.00 - 9.00 | 1.0000 | 1.0000 |
| L54 | 27 | C6x10.5 | 5.00 - 9.00 | 1.0000 | 1.0000 |
| L54 | 28 | C6x10.5 | 5.00 - 9.00 | 1.0000 | 1.0000 |
| L54 | 30 | (Area) Aero MP3-04 (H) | 5.00 - 9.00 | 1.0000 | 1.0000 |
| L54 | 31 | (Area) Aero MP3-04 (H) | 5.00 - 9.00 | 1.0000 | 1.0000 |
| L54 | 32 | (Area) Aero MP3-04 (H) | 5.00 - 9.00 | 1.0000 | 1.0000 |
| L54 | 33 | (Area) Aero MP3-04 (H) | 5.00 - 9.00 | 1.0000 | 1.0000 |
| L54 | 35 | PL 1 x 5 | 5.00 - 9.00 | 1.0000 | 1.0000 |
| L54 | 36 | PL 1 x 5 | 5.00 - 9.00 | 1.0000 | 1.0000 |
| L54 | 37 | PL 1 x 5 | 5.00 - 9.00 | 1.0000 | 1.0000 |
| L54 | 38 | PL 1 x 5 | 5.00 - 9.00 | 1.0000 | 1.0000 |
| L54 | 45 | (Area) Aero MP3-03 (H) | 5.00 - 9.00 | 1.0000 | 1.0000 |
| L54 | 46 | (Area) Aero MP3-03 (H) | 5.00 - 9.00 | 1.0000 | 1.0000 |
| L54 | 47 | (Area) Aero MP3-03 (H) | 5.00 - 9.00 | 1.0000 | 1.0000 |
| L54 | 48 | (Area) Aero MP3-03 (H) | 5.00 - 9.00 | 1.0000 | 1.0000 |
| L55 | 2 | HB158-21U6S24- xxM_TMO(1-5/8) | 4.75 - 5.00 | 1.0000 | 1.0000 |
| L55 | 5 | LDF7-50A(1-5/8) | 4.75 - 5.00 | 1.0000 | 1.0000 |
| L55 | 7 | HCS 6X12 6AWG(1-3/8) | 4.75 - 5.00 | 1.0000 | 1.0000 |
| L55 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 4.75 - 5.00 | 1.0000 | 1.0000 |
| L55 | 21 | CU12PSM9P8XXX(1-3/8) | 4.75 - 5.00 | 1.0000 | 1.0000 |
| L55 | 27 | C6x10.5 | 4.75 - 5.00 | 1.0000 | 1.0000 |
| L55 | 28 | C6x10.5 | 4.75 - 5.00 | 1.0000 | 1.0000 |
| L55 | 30 | (Area) Aero MP3-04 (H) | 4.75 - 5.00 | 1.0000 | 1.0000 |
| L55 | 31 | (Area) Aero MP3-04 (H) | 4.75 - 5.00 | 1.0000 | 1.0000 |
| L55 | 32 | (Area) Aero MP3-04 (H) | 4.75 - 5.00 | 1.0000 | 1.0000 |
| L55 | 33 | (Area) Aero MP3-04 (H) | 4.75 - 5.00 | 1.0000 | 1.0000 |
| L55 | 35 | PL 1 x 5 | 4.75 - 5.00 | 1.0000 | 1.0000 |
| L55 | 36 | PL 1 x 5 | 4.75 - 5.00 | 1.0000 | 1.0000 |
| L55 | 37 | PL 1 x 5 | 4.75 - 5.00 | 1.0000 | 1.0000 |
| L55 | 38 | PL 1 x 5 | 4.75 - 5.00 | 1.0000 | 1.0000 |
| L55 | 45 | (Area) Aero MP3-03 (H) | 4.75 - 5.00 | 1.0000 | 1.0000 |
| L55 | 46 | (Area) Aero MP3-03 (H) | 4.75 - 5.00 | 1.0000 | 1.0000 |
| L55 | 47 | (Area) Aero MP3-03 (H) | 4.75 - 5.00 | 1.0000 | 1.0000 |
| L55 | 48 | (Area) Aero MP3-03 (H) | 4.75 - 5.00 | 1.0000 | 1.0000 |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|--|-------------------------|-----------------------|--------------------|
| L56 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 4.50 - 4.75 | 1.0000 | 1.0000 |
| L56 | 5 | LDF7-50A(1-5/8) | 4.50 - 4.75 | 1.0000 | 1.0000 |
| L56 | 7 | HCS 6X12 6AWG(1-3/8) | 4.50 - 4.75 | 1.0000 | 1.0000 |
| L56 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 4.50 - 4.75 | 1.0000 | 1.0000 |
| L56 | 21 | CU12PSM9P8XXX(1-3/8) | 4.50 - 4.75 | 1.0000 | 1.0000 |
| L56 | 27 | C6x10.5 | 4.50 - 4.75 | 1.0000 | 1.0000 |
| L56 | 28 | C6x10.5 | 4.50 - 4.75 | 1.0000 | 1.0000 |
| L56 | 30 | (Area) Aero MP3-04 (H) | 4.50 - 4.75 | 1.0000 | 1.0000 |
| L56 | 31 | (Area) Aero MP3-04 (H) | 4.50 - 4.75 | 1.0000 | 1.0000 |
| L56 | 32 | (Area) Aero MP3-04 (H) | 4.50 - 4.75 | 1.0000 | 1.0000 |
| L56 | 33 | (Area) Aero MP3-04 (H) | 4.50 - 4.75 | 1.0000 | 1.0000 |
| L56 | 35 | PL 1 x 5 | 4.50 - 4.75 | 1.0000 | 1.0000 |
| L56 | 36 | PL 1 x 5 | 4.50 - 4.75 | 1.0000 | 1.0000 |
| L56 | 37 | PL 1 x 5 | 4.50 - 4.75 | 1.0000 | 1.0000 |
| L56 | 38 | PL 1 x 5 | 4.50 - 4.75 | 1.0000 | 1.0000 |
| L56 | 45 | (Area) Aero MP3-03 (H) | 4.50 - 4.75 | 1.0000 | 1.0000 |
| L56 | 46 | (Area) Aero MP3-03 (H) | 4.50 - 4.75 | 1.0000 | 1.0000 |
| L56 | 47 | (Area) Aero MP3-03 (H) | 4.50 - 4.75 | 1.0000 | 1.0000 |
| L56 | 48 | (Area) Aero MP3-03 (H) | 4.50 - 4.75 | 1.0000 | 1.0000 |
| L57 | 2 | HB158-21U6S24-xxM_TMO(1-5/8) | 0.00 - 4.50 | 1.0000 | 1.0000 |
| L57 | 5 | LDF7-50A(1-5/8) | 0.00 - 4.50 | 1.0000 | 1.0000 |
| L57 | 7 | HCS 6X12 6AWG(1-3/8) | 0.00 - 4.50 | 1.0000 | 1.0000 |
| L57 | 8 | MLE Hybrid 9Power/18Fiber RL 2(1 5/8") | 0.00 - 4.50 | 1.0000 | 1.0000 |
| L57 | 21 | CU12PSM9P8XXX(1-3/8) | 0.00 - 4.50 | 1.0000 | 1.0000 |
| L57 | 27 | C6x10.5 | 0.00 - 4.50 | 1.0000 | 1.0000 |
| L57 | 28 | C6x10.5 | 0.00 - 4.50 | 1.0000 | 1.0000 |
| L57 | 30 | (Area) Aero MP3-04 (H) | 0.00 - 4.50 | 1.0000 | 1.0000 |
| L57 | 31 | (Area) Aero MP3-04 (H) | 0.00 - 4.50 | 1.0000 | 1.0000 |
| L57 | 32 | (Area) Aero MP3-04 (H) | 0.00 - 4.50 | 1.0000 | 1.0000 |
| L57 | 33 | (Area) Aero MP3-04 (H) | 0.00 - 4.50 | 1.0000 | 1.0000 |
| L57 | 35 | PL 1 x 5 | 2.50 - 4.50 | 1.0000 | 1.0000 |
| L57 | 36 | PL 1 x 5 | 2.50 - 4.50 | 1.0000 | 1.0000 |
| L57 | 37 | PL 1 x 5 | 2.50 - 4.50 | 1.0000 | 1.0000 |
| L57 | 38 | PL 1 x 5 | 2.50 - 4.50 | 1.0000 | 1.0000 |
| L57 | 45 | (Area) Aero MP3-03 (H) | 0.00 - 4.50 | 1.0000 | 1.0000 |
| L57 | 46 | (Area) Aero MP3-03 (H) | 0.00 - 4.50 | 1.0000 | 1.0000 |
| L57 | 47 | (Area) Aero MP3-03 (H) | 0.00 - 4.50 | 1.0000 | 1.0000 |
| L57 | 48 | (Area) Aero MP3-03 (H) | 0.00 - 4.50 | 1.0000 | 1.0000 |

Effective Width of Flat Linear Attachments / Feed Lines

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|-------------|--------------------------|--------------------------|-----------------------|
| L4 | 72 | PL 1.25x4 | 100.00 - 100.75 | Auto | 0.0000 |
| L4 | 73 | PL 1.25x4 | 100.00 - 100.75 | Auto | 0.0000 |
| L4 | 74 | PL 1.25x4 | 100.00 - 100.75 | Auto | 0.0000 |
| L5 | 72 | PL 1.25x4 | 99.25 - 100.00 | Auto | 0.0000 |
| L5 | 73 | PL 1.25x4 | 99.25 - 100.00 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|----------------------------|--------------------------|--------------------------|-----------------------|
| L5 | 74 | PL 1.25x4 | 99.25 - 100.00 | Auto | 0.0000 |
| L6 | 72 | PL 1.25x4 | 99.00 - 99.25 | Auto | 0.0000 |
| L6 | 73 | PL 1.25x4 | 99.00 - 99.25 | Auto | 0.0000 |
| L6 | 74 | PL 1.25x4 | 99.00 - 99.25 | Auto | 0.0000 |
| L7 | 72 | PL 1.25x4 | 94.00 - 99.00 | Auto | 0.0000 |
| L7 | 73 | PL 1.25x4 | 94.00 - 99.00 | Auto | 0.0000 |
| L7 | 74 | PL 1.25x4 | 94.00 - 99.00 | Auto | 0.0000 |
| L8 | 61 | (Area) CCI-65FP-060100 (H) | 90.08 - 92.00 | Auto | 0.0000 |
| L8 | 62 | (Area) CCI-65FP-060100 (H) | 90.08 - 92.00 | Auto | 0.0000 |
| L8 | 64 | (Area) CCI-65FP-045100 (H) | 90.08 - 92.08 | Auto | 0.0000 |
| L8 | 65 | (Area) CCI-65FP-045100 (H) | 90.08 - 92.08 | Auto | 0.0000 |
| L8 | 72 | PL 1.25x4 | 90.08 - 94.00 | Auto | 0.0000 |
| L8 | 73 | PL 1.25x4 | 90.08 - 94.00 | Auto | 0.0000 |
| L8 | 74 | PL 1.25x4 | 90.08 - 94.00 | Auto | 0.0000 |
| L9 | 61 | (Area) CCI-65FP-060100 (H) | 89.83 - 90.08 | Auto | 0.0000 |
| L9 | 62 | (Area) CCI-65FP-060100 (H) | 89.83 - 90.08 | Auto | 0.0000 |
| L9 | 64 | (Area) CCI-65FP-045100 (H) | 89.83 - 90.08 | Auto | 0.0000 |
| L9 | 65 | (Area) CCI-65FP-045100 (H) | 89.83 - 90.08 | Auto | 0.0000 |
| L9 | 72 | PL 1.25x4 | 89.83 - 90.08 | Auto | 0.0000 |
| L9 | 73 | PL 1.25x4 | 89.83 - 90.08 | Auto | 0.0000 |
| L9 | 74 | PL 1.25x4 | 89.83 - 90.08 | Auto | 0.0000 |
| L10 | 61 | (Area) CCI-65FP-060100 (H) | 89.50 - 89.83 | Auto | 0.0000 |
| L10 | 62 | (Area) CCI-65FP-060100 (H) | 89.50 - 89.83 | Auto | 0.0000 |
| L10 | 64 | (Area) CCI-65FP-045100 (H) | 89.50 - 89.83 | Auto | 0.0000 |
| L10 | 65 | (Area) CCI-65FP-045100 (H) | 89.50 - 89.83 | Auto | 0.0000 |
| L10 | 72 | PL 1.25x4 | 89.50 - 89.83 | Auto | 0.0000 |
| L10 | 73 | PL 1.25x4 | 89.50 - 89.83 | Auto | 0.0000 |
| L10 | 74 | PL 1.25x4 | 89.50 - 89.83 | Auto | 0.0000 |
| L11 | 61 | (Area) CCI-65FP-060100 (H) | 89.25 - 89.50 | Auto | 0.0648 |
| L11 | 62 | (Area) CCI-65FP-060100 (H) | 89.25 - 89.50 | Auto | 0.0648 |
| L11 | 64 | (Area) CCI-65FP-045100 (H) | 89.25 - 89.50 | Auto | 0.0000 |
| L11 | 65 | (Area) CCI-65FP-045100 (H) | 89.25 - 89.50 | Auto | 0.0000 |
| L11 | 72 | PL 1.25x4 | 89.25 - 89.50 | Auto | 0.0000 |
| L11 | 73 | PL 1.25x4 | 89.25 - 89.50 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|----------------------------|--------------------------|--------------------------|-----------------------|
| L11 | 74 | PL 1.25x4 | 89.25 - 89.50 | Auto | 0.0000 |
| L12 | 61 | (Area) CCI-65FP-060100 (H) | 84.25 - 89.25 | Auto | 0.0299 |
| L12 | 62 | (Area) CCI-65FP-060100 (H) | 84.25 - 89.25 | Auto | 0.0299 |
| L12 | 64 | (Area) CCI-65FP-045100 (H) | 84.25 - 89.25 | Auto | 0.0000 |
| L12 | 65 | (Area) CCI-65FP-045100 (H) | 84.25 - 89.25 | Auto | 0.0000 |
| L12 | 72 | PL 1.25x4 | 84.25 - 89.25 | Auto | 0.0000 |
| L12 | 73 | PL 1.25x4 | 84.25 - 89.25 | Auto | 0.0000 |
| L12 | 74 | PL 1.25x4 | 84.25 - 89.25 | Auto | 0.0000 |
| L13 | 61 | (Area) CCI-65FP-060100 (H) | 78.00 - 84.25 | Auto | 0.0005 |
| L13 | 62 | (Area) CCI-65FP-060100 (H) | 78.00 - 84.25 | Auto | 0.0005 |
| L13 | 64 | (Area) CCI-65FP-045100 (H) | 78.00 - 84.25 | Auto | 0.0000 |
| L13 | 65 | (Area) CCI-65FP-045100 (H) | 78.00 - 84.25 | Auto | 0.0000 |
| L13 | 72 | PL 1.25x4 | 78.00 - 84.25 | Auto | 0.0000 |
| L13 | 73 | PL 1.25x4 | 78.00 - 84.25 | Auto | 0.0000 |
| L13 | 74 | PL 1.25x4 | 78.00 - 84.25 | Auto | 0.0000 |
| L13 | 76 | PL 1.25x4 | 78.00 - 80.00 | Auto | 0.0000 |
| L13 | 77 | PL 1.25x4 | 78.00 - 78.25 | Auto | 0.0000 |
| L13 | 78 | PL 1.25x4 | 78.00 - 80.00 | Auto | 0.0000 |
| L13 | 79 | PL 1.25x4 | 78.00 - 80.00 | Auto | 0.0000 |
| L14 | 61 | (Area) CCI-65FP-060100 (H) | 77.00 - 78.00 | Auto | 0.0414 |
| L14 | 62 | (Area) CCI-65FP-060100 (H) | 77.00 - 78.00 | Auto | 0.0414 |
| L14 | 64 | (Area) CCI-65FP-045100 (H) | 77.00 - 78.00 | Auto | 0.0000 |
| L14 | 65 | (Area) CCI-65FP-045100 (H) | 77.00 - 78.00 | Auto | 0.0000 |
| L14 | 72 | PL 1.25x4 | 77.00 - 78.00 | Auto | 0.0000 |
| L14 | 73 | PL 1.25x4 | 77.00 - 78.00 | Auto | 0.0000 |
| L14 | 74 | PL 1.25x4 | 77.00 - 78.00 | Auto | 0.0000 |
| L14 | 76 | PL 1.25x4 | 77.00 - 78.00 | Auto | 0.0000 |
| L14 | 77 | PL 1.25x4 | 77.00 - 78.00 | Auto | 0.0000 |
| L14 | 78 | PL 1.25x4 | 77.00 - 78.00 | Auto | 0.0000 |
| L14 | 79 | PL 1.25x4 | 77.00 - 78.00 | Auto | 0.0000 |
| L15 | 61 | (Area) CCI-65FP-060100 (H) | 76.75 - 77.00 | Auto | 0.0357 |
| L15 | 62 | (Area) CCI-65FP-060100 (H) | 76.75 - 77.00 | Auto | 0.0357 |
| L15 | 64 | (Area) CCI-65FP-045100 (H) | 76.75 - 77.00 | Auto | 0.0000 |
| L15 | 65 | (Area) CCI-65FP-045100 (H) | 76.75 - 77.00 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|----------------------------|--------------------------|--------------------------|-----------------------|
| L15 | 72 | PL 1.25x4 | 76.75 - 77.00 | Auto | 0.0000 |
| L15 | 73 | PL 1.25x4 | 76.75 - 77.00 | Auto | 0.0000 |
| L15 | 74 | PL 1.25x4 | 76.75 - 77.00 | Auto | 0.0000 |
| L15 | 76 | PL 1.25x4 | 76.75 - 77.00 | Auto | 0.0000 |
| L15 | 77 | PL 1.25x4 | 76.75 - 77.00 | Auto | 0.0000 |
| L15 | 78 | PL 1.25x4 | 76.75 - 77.00 | Auto | 0.0000 |
| L15 | 79 | PL 1.25x4 | 76.75 - 77.00 | Auto | 0.0000 |
| L16 | 61 | (Area) CCI-65FP-060100 (H) | 76.50 - 76.75 | Auto | 0.0781 |
| L16 | 62 | (Area) CCI-65FP-060100 (H) | 76.50 - 76.75 | Auto | 0.0781 |
| L16 | 64 | (Area) CCI-65FP-045100 (H) | 76.50 - 76.75 | Auto | 0.0000 |
| L16 | 65 | (Area) CCI-65FP-045100 (H) | 76.50 - 76.75 | Auto | 0.0000 |
| L16 | 72 | PL 1.25x4 | 76.50 - 76.75 | Auto | 0.0000 |
| L16 | 73 | PL 1.25x4 | 76.50 - 76.75 | Auto | 0.0000 |
| L16 | 74 | PL 1.25x4 | 76.50 - 76.75 | Auto | 0.0000 |
| L16 | 76 | PL 1.25x4 | 76.50 - 76.75 | Auto | 0.0000 |
| L16 | 77 | PL 1.25x4 | 76.50 - 76.75 | Auto | 0.0000 |
| L16 | 78 | PL 1.25x4 | 76.50 - 76.75 | Auto | 0.0000 |
| L16 | 79 | PL 1.25x4 | 76.50 - 76.75 | Auto | 0.0000 |
| L17 | 61 | (Area) CCI-65FP-060100 (H) | 75.50 - 76.50 | Auto | 0.0725 |
| L17 | 62 | (Area) CCI-65FP-060100 (H) | 75.50 - 76.50 | Auto | 0.0725 |
| L17 | 64 | (Area) CCI-65FP-045100 (H) | 75.50 - 76.50 | Auto | 0.0000 |
| L17 | 65 | (Area) CCI-65FP-045100 (H) | 75.50 - 76.50 | Auto | 0.0000 |
| L17 | 72 | PL 1.25x4 | 75.50 - 76.50 | Auto | 0.0000 |
| L17 | 73 | PL 1.25x4 | 75.50 - 76.50 | Auto | 0.0000 |
| L17 | 74 | PL 1.25x4 | 75.50 - 76.50 | Auto | 0.0000 |
| L17 | 76 | PL 1.25x4 | 75.50 - 76.50 | Auto | 0.0000 |
| L17 | 77 | PL 1.25x4 | 75.50 - 76.50 | Auto | 0.0000 |
| L17 | 78 | PL 1.25x4 | 75.50 - 76.50 | Auto | 0.0000 |
| L17 | 79 | PL 1.25x4 | 75.50 - 76.50 | Auto | 0.0000 |
| L18 | 61 | (Area) CCI-65FP-060100 (H) | 75.25 - 75.50 | Auto | 0.0000 |
| L18 | 62 | (Area) CCI-65FP-060100 (H) | 75.25 - 75.50 | Auto | 0.0000 |
| L18 | 64 | (Area) CCI-65FP-045100 (H) | 75.25 - 75.50 | Auto | 0.0000 |
| L18 | 65 | (Area) CCI-65FP-045100 (H) | 75.25 - 75.50 | Auto | 0.0000 |
| L18 | 72 | PL 1.25x4 | 75.25 - 75.50 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|----------------------------|--------------------------|--------------------------|-----------------------|
| L18 | 73 | PL 1.25x4 | 75.25 - 75.50 | Auto | 0.0000 |
| L18 | 74 | PL 1.25x4 | 75.25 - 75.50 | Auto | 0.0000 |
| L18 | 76 | PL 1.25x4 | 75.25 - 75.50 | Auto | 0.0000 |
| L18 | 77 | PL 1.25x4 | 75.25 - 75.50 | Auto | 0.0000 |
| L18 | 78 | PL 1.25x4 | 75.25 - 75.50 | Auto | 0.0000 |
| L18 | 79 | PL 1.25x4 | 75.25 - 75.50 | Auto | 0.0000 |
| L19 | 59 | (Area) CCI-65FP-065125 (H) | 74.50 - 74.75 | Auto | 0.0499 |
| L19 | 61 | (Area) CCI-65FP-060100 (H) | 74.50 - 75.25 | Auto | 0.0000 |
| L19 | 62 | (Area) CCI-65FP-060100 (H) | 74.50 - 75.25 | Auto | 0.0000 |
| L19 | 64 | (Area) CCI-65FP-045100 (H) | 74.50 - 75.25 | Auto | 0.0000 |
| L19 | 65 | (Area) CCI-65FP-045100 (H) | 74.50 - 75.25 | Auto | 0.0000 |
| L19 | 72 | PL 1.25x4 | 74.50 - 75.25 | Auto | 0.0000 |
| L19 | 73 | PL 1.25x4 | 74.50 - 75.25 | Auto | 0.0000 |
| L19 | 74 | PL 1.25x4 | 74.50 - 75.25 | Auto | 0.0000 |
| L19 | 76 | PL 1.25x4 | 74.50 - 75.25 | Auto | 0.0000 |
| L19 | 77 | PL 1.25x4 | 74.50 - 75.25 | Auto | 0.0000 |
| L19 | 78 | PL 1.25x4 | 74.50 - 75.25 | Auto | 0.0000 |
| L19 | 79 | PL 1.25x4 | 74.50 - 75.25 | Auto | 0.0000 |
| L20 | 59 | (Area) CCI-65FP-065125 (H) | 74.25 - 74.50 | Auto | 0.0788 |
| L20 | 61 | (Area) CCI-65FP-060100 (H) | 74.25 - 74.50 | Auto | 0.0020 |
| L20 | 62 | (Area) CCI-65FP-060100 (H) | 74.25 - 74.50 | Auto | 0.0020 |
| L20 | 64 | (Area) CCI-65FP-045100 (H) | 74.25 - 74.50 | Auto | 0.0000 |
| L20 | 65 | (Area) CCI-65FP-045100 (H) | 74.25 - 74.50 | Auto | 0.0000 |
| L20 | 72 | PL 1.25x4 | 74.25 - 74.50 | Auto | 0.0000 |
| L20 | 73 | PL 1.25x4 | 74.25 - 74.50 | Auto | 0.0000 |
| L20 | 74 | PL 1.25x4 | 74.25 - 74.50 | Auto | 0.0000 |
| L20 | 76 | PL 1.25x4 | 74.25 - 74.50 | Auto | 0.0000 |
| L20 | 77 | PL 1.25x4 | 74.25 - 74.50 | Auto | 0.0000 |
| L20 | 78 | PL 1.25x4 | 74.25 - 74.50 | Auto | 0.0000 |
| L20 | 79 | PL 1.25x4 | 74.25 - 74.50 | Auto | 0.0000 |
| L21 | 59 | (Area) CCI-65FP-065125 (H) | 72.00 - 74.25 | Auto | 0.0632 |
| L21 | 61 | (Area) CCI-65FP-060100 (H) | 72.00 - 74.25 | Auto | 0.0000 |
| L21 | 62 | (Area) CCI-65FP-060100 (H) | 72.00 - 74.25 | Auto | 0.0000 |
| L21 | 64 | (Area) CCI-65FP-045100 (H) | 72.00 - 74.25 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|----------------------------|--------------------------|--------------------------|-----------------------|
| L21 | 65 | (Area) CCI-65FP-045100 (H) | 72.00 - 74.25 | Auto | 0.0000 |
| L21 | 72 | PL 1.25x4 | 74.00 - 74.25 | Auto | 0.0000 |
| L21 | 73 | PL 1.25x4 | 74.00 - 74.25 | Auto | 0.0000 |
| L21 | 74 | PL 1.25x4 | 73.00 - 74.25 | Auto | 0.0000 |
| L21 | 76 | PL 1.25x4 | 72.00 - 74.25 | Auto | 0.0000 |
| L21 | 77 | PL 1.25x4 | 72.00 - 74.25 | Auto | 0.0000 |
| L21 | 78 | PL 1.25x4 | 72.00 - 74.25 | Auto | 0.0000 |
| L21 | 79 | PL 1.25x4 | 72.00 - 74.25 | Auto | 0.0000 |
| L22 | 40 | PL 1 x 5 | 71.75 - 72.00 | Auto | 0.0000 |
| L22 | 41 | PL 1 x 5 | 71.75 - 72.00 | Auto | 0.0000 |
| L22 | 42 | PL 1 x 5 | 71.75 - 72.00 | Auto | 0.0000 |
| L22 | 43 | PL 1 x 5 | 71.75 - 72.00 | Auto | 0.0000 |
| L22 | 55 | (Area) CCI-65FP-045100 (H) | 71.75 - 72.00 | Auto | 0.0000 |
| L22 | 56 | (Area) CCI-65FP-045100 (H) | 71.75 - 72.00 | Auto | 0.0000 |
| L22 | 57 | (Area) CCI-65FP-045100 (H) | 71.75 - 72.00 | Auto | 0.0000 |
| L22 | 59 | (Area) CCI-65FP-065125 (H) | 71.75 - 72.00 | Auto | 0.0270 |
| L22 | 61 | (Area) CCI-65FP-060100 (H) | 71.75 - 72.00 | Auto | 0.0000 |
| L22 | 62 | (Area) CCI-65FP-060100 (H) | 71.75 - 72.00 | Auto | 0.0000 |
| L22 | 64 | (Area) CCI-65FP-045100 (H) | 71.75 - 72.00 | Auto | 0.0000 |
| L22 | 65 | (Area) CCI-65FP-045100 (H) | 71.75 - 72.00 | Auto | 0.0000 |
| L22 | 76 | PL 1.25x4 | 71.75 - 72.00 | Auto | 0.0000 |
| L22 | 77 | PL 1.25x4 | 71.75 - 72.00 | Auto | 0.0000 |
| L22 | 78 | PL 1.25x4 | 71.75 - 72.00 | Auto | 0.0000 |
| L22 | 79 | PL 1.25x4 | 71.75 - 72.00 | Auto | 0.0000 |
| L23 | 40 | PL 1 x 5 | 70.50 - 71.75 | Auto | 0.0000 |
| L23 | 41 | PL 1 x 5 | 70.50 - 71.75 | Auto | 0.0000 |
| L23 | 42 | PL 1 x 5 | 70.50 - 71.75 | Auto | 0.0000 |
| L23 | 43 | PL 1 x 5 | 70.50 - 71.75 | Auto | 0.0000 |
| L23 | 55 | (Area) CCI-65FP-045100 (H) | 70.50 - 71.75 | Auto | 0.0000 |
| L23 | 56 | (Area) CCI-65FP-045100 (H) | 70.50 - 71.75 | Auto | 0.0000 |
| L23 | 57 | (Area) CCI-65FP-045100 (H) | 70.50 - 71.75 | Auto | 0.0000 |
| L23 | 59 | (Area) CCI-65FP-065125 (H) | 70.50 - 71.75 | Auto | 0.0208 |
| L23 | 61 | (Area) CCI-65FP-060100 (H) | 70.50 - 71.75 | Auto | 0.0000 |
| L23 | 62 | (Area) CCI-65FP-060100 (H) | 70.50 - 71.75 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|-------------------------------|--------------------------|--------------------------|-----------------------|
| L23 | 64 | (Area) CCI-65FP-045100 (H) | 70.50 - 71.75 | Auto | 0.0000 |
| L23 | 65 | (Area) CCI-65FP-045100 (H) | 70.50 - 71.75 | Auto | 0.0000 |
| L23 | 76 | PL 1.25x4 | 70.50 - 71.75 | Auto | 0.0000 |
| L23 | 77 | PL 1.25x4 | 70.50 - 71.75 | Auto | 0.0000 |
| L23 | 78 | PL 1.25x4 | 70.50 - 71.75 | Auto | 0.0000 |
| L23 | 79 | PL 1.25x4 | 70.50 - 71.75 | Auto | 0.0000 |
| L24 | 40 | PL 1 x 5 | 70.25 - 70.50 | Auto | 0.0000 |
| L24 | 41 | PL 1 x 5 | 70.25 - 70.50 | Auto | 0.0000 |
| L24 | 42 | PL 1 x 5 | 70.25 - 70.50 | Auto | 0.0000 |
| L24 | 43 | PL 1 x 5 | 70.25 - 70.50 | Auto | 0.0000 |
| L24 | 55 | (Area) CCI-65FP-045100 (H) | 70.25 - 70.50 | Auto | 0.0000 |
| L24 | 56 | (Area) CCI-65FP-045100 (H) | 70.25 - 70.50 | Auto | 0.0000 |
| L24 | 57 | (Area) CCI-65FP-045100 (H) | 70.25 - 70.50 | Auto | 0.0000 |
| L24 | 59 | (Area) CCI-65FP-065125 (H) | 70.25 - 70.50 | Auto | 0.0248 |
| L24 | 61 | (Area) CCI-65FP-060100 (H) | 70.25 - 70.50 | Auto | 0.0000 |
| L24 | 62 | (Area) CCI-65FP-060100 (H) | 70.25 - 70.50 | Auto | 0.0000 |
| L24 | 64 | (Area) CCI-65FP-045100 (H) | 70.25 - 70.50 | Auto | 0.0000 |
| L24 | 65 | (Area) CCI-65FP-045100 (H) | 70.25 - 70.50 | Auto | 0.0000 |
| L24 | 76 | PL 1.25x4 | 70.25 - 70.50 | Auto | 0.0000 |
| L24 | 77 | PL 1.25x4 | 70.25 - 70.50 | Auto | 0.0000 |
| L24 | 78 | PL 1.25x4 | 70.25 - 70.50 | Auto | 0.0000 |
| L24 | 79 | PL 1.25x4 | 70.25 - 70.50 | Auto | 0.0000 |
| L25 | 40 | PL 1 x 5 | 70.00 - 70.25 | Auto | 0.0000 |
| L25 | 41 | PL 1 x 5 | 70.00 - 70.25 | Auto | 0.0000 |
| L25 | 42 | PL 1 x 5 | 70.00 - 70.25 | Auto | 0.0000 |
| L25 | 43 | PL 1 x 5 | 70.00 - 70.25 | Auto | 0.0000 |
| L25 | 55 | (Area) CCI-65FP-045100 (H) | 70.00 - 70.25 | Auto | 0.0000 |
| L25 | 56 | (Area) CCI-65FP-045100 (H) | 70.00 - 70.25 | Auto | 0.0000 |
| L25 | 57 | (Area) CCI-65FP-045100 (H) | 70.00 - 70.25 | Auto | 0.0000 |
| L25 | 59 | (Area) CCI-65FP-065125 (H) | 70.00 - 70.25 | Auto | 0.0227 |
| L25 | 61 | (Area) CCI-65FP-060100 (H) | 70.00 - 70.25 | Auto | 0.0000 |
| L25 | 62 | (Area) CCI-65FP-060100 (H) | 70.00 - 70.25 | Auto | 0.0000 |
| L25 | 64 | (Area) CCI-65FP-045100 (H) | 70.00 - 70.25 | Auto | 0.0000 |
| L25 | 65 | (Area) CCI-65FP-045100 (H) | 70.00 - 70.25 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|----------------------------|--------------------------|--------------------------|-----------------------|
| L25 | 76 | PL 1.25x4 | 70.00 - 70.25 | Auto | 0.0000 |
| L25 | 77 | PL 1.25x4 | 70.00 - 70.25 | Auto | 0.0000 |
| L25 | 78 | PL 1.25x4 | 70.00 - 70.25 | Auto | 0.0000 |
| L25 | 79 | PL 1.25x4 | 70.00 - 70.25 | Auto | 0.0000 |
| L26 | 40 | PL 1 x 5 | 69.75 - 70.00 | Auto | 0.0000 |
| L26 | 41 | PL 1 x 5 | 69.75 - 70.00 | Auto | 0.0000 |
| L26 | 42 | PL 1 x 5 | 69.75 - 70.00 | Auto | 0.0000 |
| L26 | 43 | PL 1 x 5 | 69.75 - 70.00 | Auto | 0.0000 |
| L26 | 55 | (Area) CCI-65FP-045100 (H) | 69.75 - 70.00 | Auto | 0.0000 |
| L26 | 56 | (Area) CCI-65FP-045100 (H) | 69.75 - 70.00 | Auto | 0.0000 |
| L26 | 57 | (Area) CCI-65FP-045100 (H) | 69.75 - 70.00 | Auto | 0.0000 |
| L26 | 59 | (Area) CCI-65FP-065125 (H) | 69.75 - 70.00 | Auto | 0.0000 |
| L26 | 61 | (Area) CCI-65FP-060100 (H) | 69.75 - 70.00 | Auto | 0.0000 |
| L26 | 62 | (Area) CCI-65FP-060100 (H) | 69.75 - 70.00 | Auto | 0.0000 |
| L26 | 64 | (Area) CCI-65FP-045100 (H) | 69.75 - 70.00 | Auto | 0.0000 |
| L26 | 65 | (Area) CCI-65FP-045100 (H) | 69.75 - 70.00 | Auto | 0.0000 |
| L26 | 76 | PL 1.25x4 | 69.75 - 70.00 | Auto | 0.0000 |
| L26 | 77 | PL 1.25x4 | 69.75 - 70.00 | Auto | 0.0000 |
| L26 | 78 | PL 1.25x4 | 69.75 - 70.00 | Auto | 0.0000 |
| L26 | 79 | PL 1.25x4 | 69.75 - 70.00 | Auto | 0.0000 |
| L27 | 40 | PL 1 x 5 | 69.50 - 69.75 | Auto | 0.0000 |
| L27 | 41 | PL 1 x 5 | 69.50 - 69.75 | Auto | 0.0000 |
| L27 | 42 | PL 1 x 5 | 69.50 - 69.75 | Auto | 0.0000 |
| L27 | 43 | PL 1 x 5 | 69.50 - 69.75 | Auto | 0.0000 |
| L27 | 55 | (Area) CCI-65FP-045100 (H) | 69.50 - 69.75 | Auto | 0.0000 |
| L27 | 56 | (Area) CCI-65FP-045100 (H) | 69.50 - 69.75 | Auto | 0.0000 |
| L27 | 57 | (Area) CCI-65FP-045100 (H) | 69.50 - 69.75 | Auto | 0.0000 |
| L27 | 59 | (Area) CCI-65FP-065125 (H) | 69.50 - 69.75 | Auto | 0.0547 |
| L27 | 61 | (Area) CCI-65FP-060100 (H) | 69.50 - 69.75 | Auto | 0.0000 |
| L27 | 62 | (Area) CCI-65FP-060100 (H) | 69.50 - 69.75 | Auto | 0.0000 |
| L27 | 64 | (Area) CCI-65FP-045100 (H) | 69.50 - 69.75 | Auto | 0.0000 |
| L27 | 65 | (Area) CCI-65FP-045100 (H) | 69.50 - 69.75 | Auto | 0.0000 |
| L27 | 76 | PL 1.25x4 | 69.50 - 69.75 | Auto | 0.0000 |
| L27 | 77 | PL 1.25x4 | 69.50 - 69.75 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|----------------------------|--------------------------|--------------------------|-----------------------|
| L27 | 78 | PL 1.25x4 | 69.50 - 69.75 | Auto | 0.0000 |
| L27 | 79 | PL 1.25x4 | 69.50 - 69.75 | Auto | 0.0000 |
| L28 | 40 | PL 1 x 5 | 69.25 - 69.50 | Auto | 0.0000 |
| L28 | 41 | PL 1 x 5 | 69.25 - 69.50 | Auto | 0.0000 |
| L28 | 42 | PL 1 x 5 | 69.25 - 69.50 | Auto | 0.0000 |
| L28 | 43 | PL 1 x 5 | 69.25 - 69.50 | Auto | 0.0000 |
| L28 | 55 | (Area) CCI-65FP-045100 (H) | 69.25 - 69.50 | Auto | 0.0000 |
| L28 | 56 | (Area) CCI-65FP-045100 (H) | 69.25 - 69.50 | Auto | 0.0000 |
| L28 | 57 | (Area) CCI-65FP-045100 (H) | 69.25 - 69.50 | Auto | 0.0000 |
| L28 | 59 | (Area) CCI-65FP-065125 (H) | 69.25 - 69.50 | Auto | 0.0010 |
| L28 | 61 | (Area) CCI-65FP-060100 (H) | 69.25 - 69.50 | Auto | 0.0000 |
| L28 | 62 | (Area) CCI-65FP-060100 (H) | 69.25 - 69.50 | Auto | 0.0000 |
| L28 | 64 | (Area) CCI-65FP-045100 (H) | 69.25 - 69.50 | Auto | 0.0000 |
| L28 | 65 | (Area) CCI-65FP-045100 (H) | 69.25 - 69.50 | Auto | 0.0000 |
| L28 | 76 | PL 1.25x4 | 69.25 - 69.50 | Auto | 0.0000 |
| L28 | 77 | PL 1.25x4 | 69.25 - 69.50 | Auto | 0.0000 |
| L28 | 78 | PL 1.25x4 | 69.25 - 69.50 | Auto | 0.0000 |
| L28 | 79 | PL 1.25x4 | 69.25 - 69.50 | Auto | 0.0000 |
| L29 | 40 | PL 1 x 5 | 64.25 - 69.25 | Auto | 0.0000 |
| L29 | 41 | PL 1 x 5 | 64.25 - 69.25 | Auto | 0.0000 |
| L29 | 42 | PL 1 x 5 | 64.25 - 69.25 | Auto | 0.0000 |
| L29 | 43 | PL 1 x 5 | 64.25 - 69.25 | Auto | 0.0000 |
| L29 | 55 | (Area) CCI-65FP-045100 (H) | 64.25 - 69.25 | Auto | 0.0000 |
| L29 | 56 | (Area) CCI-65FP-045100 (H) | 64.25 - 69.25 | Auto | 0.0000 |
| L29 | 57 | (Area) CCI-65FP-045100 (H) | 64.25 - 69.25 | Auto | 0.0000 |
| L29 | 59 | (Area) CCI-65FP-065125 (H) | 64.25 - 69.25 | Auto | 0.0000 |
| L29 | 61 | (Area) CCI-65FP-060100 (H) | 67.00 - 69.25 | Auto | 0.0000 |
| L29 | 62 | (Area) CCI-65FP-060100 (H) | 67.00 - 69.25 | Auto | 0.0000 |
| L29 | 64 | (Area) CCI-65FP-045100 (H) | 68.00 - 69.25 | Auto | 0.0000 |
| L29 | 65 | (Area) CCI-65FP-045100 (H) | 68.00 - 69.25 | Auto | 0.0000 |
| L29 | 76 | PL 1.25x4 | 68.50 - 69.25 | Auto | 0.0000 |
| L29 | 77 | PL 1.25x4 | 68.25 - 69.25 | Auto | 0.0000 |
| L29 | 78 | PL 1.25x4 | 68.25 - 69.25 | Auto | 0.0000 |
| L29 | 79 | PL 1.25x4 | 68.25 - 69.25 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|----------------------------|--------------------------|--------------------------|-----------------------|
| L30 | 40 | PL 1 x 5 | 59.25 - 64.25 | Auto | 0.0000 |
| L30 | 41 | PL 1 x 5 | 59.25 - 64.25 | Auto | 0.0000 |
| L30 | 42 | PL 1 x 5 | 59.25 - 64.25 | Auto | 0.0000 |
| L30 | 43 | PL 1 x 5 | 59.25 - 64.25 | Auto | 0.0000 |
| L30 | 55 | (Area) CCI-65FP-045100 (H) | 59.25 - 64.25 | Auto | 0.0000 |
| L30 | 56 | (Area) CCI-65FP-045100 (H) | 59.25 - 64.25 | Auto | 0.0000 |
| L30 | 57 | (Area) CCI-65FP-045100 (H) | 59.25 - 64.25 | Auto | 0.0000 |
| L30 | 59 | (Area) CCI-65FP-065125 (H) | 59.25 - 64.25 | Auto | 0.0000 |
| L31 | 40 | PL 1 x 5 | 56.00 - 59.25 | Auto | 0.0000 |
| L31 | 41 | PL 1 x 5 | 56.00 - 59.25 | Auto | 0.0000 |
| L31 | 42 | PL 1 x 5 | 56.00 - 59.25 | Auto | 0.0000 |
| L31 | 43 | PL 1 x 5 | 56.00 - 59.25 | Auto | 0.0000 |
| L31 | 55 | (Area) CCI-65FP-045100 (H) | 56.00 - 59.25 | Auto | 0.0000 |
| L31 | 56 | (Area) CCI-65FP-045100 (H) | 56.00 - 59.25 | Auto | 0.0000 |
| L31 | 57 | (Area) CCI-65FP-045100 (H) | 56.00 - 59.25 | Auto | 0.0000 |
| L31 | 59 | (Area) CCI-65FP-065125 (H) | 56.00 - 59.25 | Auto | 0.0000 |
| L31 | 67 | (Area) CCI-65FP-045100 (H) | 56.00 - 57.50 | Auto | 0.0000 |
| L31 | 68 | (Area) CCI-65FP-045100 (H) | 56.00 - 57.50 | Auto | 0.0000 |
| L31 | 69 | (Area) CCI-65FP-045100 (H) | 56.00 - 57.50 | Auto | 0.0000 |
| L31 | 70 | (Area) CCI-65FP-045100 (H) | 56.00 - 57.25 | Auto | 0.0000 |
| L32 | 25 | C6x10.5 | 55.75 - 56.00 | Auto | 0.0000 |
| L32 | 26 | C6x10.5 | 55.75 - 56.00 | Auto | 0.0000 |
| L32 | 27 | C6x10.5 | 55.75 - 56.00 | Auto | 0.0000 |
| L32 | 28 | C6x10.5 | 55.75 - 56.00 | Auto | 0.0000 |
| L32 | 40 | PL 1 x 5 | 55.75 - 56.00 | Auto | 0.0000 |
| L32 | 41 | PL 1 x 5 | 55.75 - 56.00 | Auto | 0.0000 |
| L32 | 42 | PL 1 x 5 | 55.75 - 56.00 | Auto | 0.0000 |
| L32 | 43 | PL 1 x 5 | 55.75 - 56.00 | Auto | 0.0000 |
| L32 | 55 | (Area) CCI-65FP-045100 (H) | 55.75 - 56.00 | Auto | 0.0000 |
| L32 | 56 | (Area) CCI-65FP-045100 (H) | 55.75 - 56.00 | Auto | 0.0000 |
| L32 | 57 | (Area) CCI-65FP-045100 (H) | 55.75 - 56.00 | Auto | 0.0000 |
| L32 | 59 | (Area) CCI-65FP-065125 (H) | 55.75 - 56.00 | Auto | 0.0000 |
| L32 | 67 | (Area) CCI-65FP-045100 (H) | 55.75 - 56.00 | Auto | 0.0000 |
| L32 | 68 | (Area) CCI-65FP-045100 (H) | 55.75 - 56.00 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|-------------------------------|--------------------------|--------------------------|-----------------------|
| L32 | 69 | (Area) CCI-65FP-045100 (H) | 55.75 - 56.00 | Auto | 0.0000 |
| L32 | 70 | (Area) CCI-65FP-045100 (H) | 55.75 - 56.00 | Auto | 0.0000 |
| L33 | 25 | C6x10.5 | 55.50 - 55.75 | Auto | 0.0000 |
| L33 | 26 | C6x10.5 | 55.50 - 55.75 | Auto | 0.0000 |
| L33 | 27 | C6x10.5 | 55.50 - 55.75 | Auto | 0.0000 |
| L33 | 28 | C6x10.5 | 55.50 - 55.75 | Auto | 0.0000 |
| L33 | 40 | PL 1 x 5 | 55.50 - 55.75 | Auto | 0.0000 |
| L33 | 41 | PL 1 x 5 | 55.50 - 55.75 | Auto | 0.0000 |
| L33 | 42 | PL 1 x 5 | 55.50 - 55.75 | Auto | 0.0000 |
| L33 | 43 | PL 1 x 5 | 55.50 - 55.75 | Auto | 0.0000 |
| L33 | 55 | (Area) CCI-65FP-045100 (H) | 55.50 - 55.75 | Auto | 0.0000 |
| L33 | 56 | (Area) CCI-65FP-045100 (H) | 55.50 - 55.75 | Auto | 0.0000 |
| L33 | 57 | (Area) CCI-65FP-045100 (H) | 55.50 - 55.75 | Auto | 0.0000 |
| L33 | 59 | (Area) CCI-65FP-065125 (H) | 55.50 - 55.75 | Auto | 0.0000 |
| L33 | 67 | (Area) CCI-65FP-045100 (H) | 55.50 - 55.75 | Auto | 0.0000 |
| L33 | 68 | (Area) CCI-65FP-045100 (H) | 55.50 - 55.75 | Auto | 0.0000 |
| L33 | 69 | (Area) CCI-65FP-045100 (H) | 55.50 - 55.75 | Auto | 0.0000 |
| L33 | 70 | (Area) CCI-65FP-045100 (H) | 55.50 - 55.75 | Auto | 0.0000 |
| L34 | 25 | C6x10.5 | 55.25 - 55.50 | Auto | 0.0000 |
| L34 | 26 | C6x10.5 | 55.25 - 55.50 | Auto | 0.0000 |
| L34 | 27 | C6x10.5 | 55.25 - 55.50 | Auto | 0.0000 |
| L34 | 28 | C6x10.5 | 55.25 - 55.50 | Auto | 0.0000 |
| L34 | 40 | PL 1 x 5 | 55.25 - 55.50 | Auto | 0.0000 |
| L34 | 41 | PL 1 x 5 | 55.25 - 55.50 | Auto | 0.0000 |
| L34 | 42 | PL 1 x 5 | 55.25 - 55.50 | Auto | 0.0000 |
| L34 | 43 | PL 1 x 5 | 55.25 - 55.50 | Auto | 0.0000 |
| L34 | 55 | (Area) CCI-65FP-045100 (H) | 55.25 - 55.50 | Auto | 0.0000 |
| L34 | 56 | (Area) CCI-65FP-045100 (H) | 55.25 - 55.50 | Auto | 0.0000 |
| L34 | 57 | (Area) CCI-65FP-045100 (H) | 55.25 - 55.50 | Auto | 0.0000 |
| L34 | 59 | (Area) CCI-65FP-065125 (H) | 55.25 - 55.50 | Auto | 0.0000 |
| L34 | 67 | (Area) CCI-65FP-045100 (H) | 55.25 - 55.50 | Auto | 0.0000 |
| L34 | 68 | (Area) CCI-65FP-045100 (H) | 55.25 - 55.50 | Auto | 0.0000 |
| L34 | 69 | (Area) CCI-65FP-045100 (H) | 55.25 - 55.50 | Auto | 0.0000 |
| L34 | 70 | (Area) CCI-65FP-045100 (H) | 55.25 - 55.50 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|----------------------------|--------------------------|--------------------------|-----------------------|
| L35 | 25 | C6x10.5 | 54.00 - 55.25 | Auto | 0.0000 |
| L35 | 26 | C6x10.5 | 54.00 - 55.25 | Auto | 0.0000 |
| L35 | 27 | C6x10.5 | 54.00 - 55.25 | Auto | 0.0000 |
| L35 | 28 | C6x10.5 | 54.00 - 55.25 | Auto | 0.0000 |
| L35 | 40 | PL 1 x 5 | 54.00 - 55.25 | Auto | 0.0000 |
| L35 | 41 | PL 1 x 5 | 54.00 - 55.25 | Auto | 0.0000 |
| L35 | 42 | PL 1 x 5 | 54.00 - 55.25 | Auto | 0.0000 |
| L35 | 43 | PL 1 x 5 | 54.00 - 55.25 | Auto | 0.0000 |
| L35 | 55 | (Area) CCI-65FP-045100 (H) | 54.00 - 55.25 | Auto | 0.0000 |
| L35 | 56 | (Area) CCI-65FP-045100 (H) | 54.00 - 55.25 | Auto | 0.0000 |
| L35 | 57 | (Area) CCI-65FP-045100 (H) | 54.00 - 55.25 | Auto | 0.0000 |
| L35 | 59 | (Area) CCI-65FP-065125 (H) | 54.00 - 55.25 | Auto | 0.0000 |
| L35 | 67 | (Area) CCI-65FP-045100 (H) | 54.00 - 55.25 | Auto | 0.0000 |
| L35 | 68 | (Area) CCI-65FP-045100 (H) | 54.00 - 55.25 | Auto | 0.0000 |
| L35 | 69 | (Area) CCI-65FP-045100 (H) | 54.00 - 55.25 | Auto | 0.0000 |
| L35 | 70 | (Area) CCI-65FP-045100 (H) | 54.00 - 55.25 | Auto | 0.0000 |
| L36 | 25 | C6x10.5 | 53.75 - 54.00 | Auto | 0.0000 |
| L36 | 26 | C6x10.5 | 53.75 - 54.00 | Auto | 0.0000 |
| L36 | 27 | C6x10.5 | 53.75 - 54.00 | Auto | 0.0000 |
| L36 | 28 | C6x10.5 | 53.75 - 54.00 | Auto | 0.0000 |
| L36 | 40 | PL 1 x 5 | 53.75 - 54.00 | Auto | 0.0000 |
| L36 | 41 | PL 1 x 5 | 53.75 - 54.00 | Auto | 0.0000 |
| L36 | 42 | PL 1 x 5 | 53.75 - 54.00 | Auto | 0.0000 |
| L36 | 43 | PL 1 x 5 | 53.75 - 54.00 | Auto | 0.0000 |
| L36 | 55 | (Area) CCI-65FP-045100 (H) | 53.75 - 54.00 | Auto | 0.0000 |
| L36 | 56 | (Area) CCI-65FP-045100 (H) | 53.75 - 54.00 | Auto | 0.0000 |
| L36 | 57 | (Area) CCI-65FP-045100 (H) | 53.75 - 54.00 | Auto | 0.0000 |
| L36 | 59 | (Area) CCI-65FP-065125 (H) | 53.75 - 54.00 | Auto | 0.0000 |
| L36 | 67 | (Area) CCI-65FP-045100 (H) | 53.75 - 54.00 | Auto | 0.0000 |
| L36 | 68 | (Area) CCI-65FP-045100 (H) | 53.75 - 54.00 | Auto | 0.0000 |
| L36 | 69 | (Area) CCI-65FP-045100 (H) | 53.75 - 54.00 | Auto | 0.0000 |
| L36 | 70 | (Area) CCI-65FP-045100 (H) | 53.75 - 54.00 | Auto | 0.0000 |
| L37 | 25 | C6x10.5 | 53.50 - 53.75 | Auto | 0.0000 |
| L37 | 26 | C6x10.5 | 53.50 - 53.75 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|----------------------------|--------------------------|--------------------------|-----------------------|
| L37 | 27 | C6x10.5 | 53.50 - 53.75 | Auto | 0.0000 |
| L37 | 28 | C6x10.5 | 53.50 - 53.75 | Auto | 0.0000 |
| L37 | 40 | PL 1 x 5 | 53.50 - 53.75 | Auto | 0.0000 |
| L37 | 41 | PL 1 x 5 | 53.50 - 53.75 | Auto | 0.0000 |
| L37 | 42 | PL 1 x 5 | 53.50 - 53.75 | Auto | 0.0000 |
| L37 | 43 | PL 1 x 5 | 53.50 - 53.75 | Auto | 0.0000 |
| L37 | 55 | (Area) CCI-65FP-045100 (H) | 53.50 - 53.75 | Auto | 0.0000 |
| L37 | 56 | (Area) CCI-65FP-045100 (H) | 53.50 - 53.75 | Auto | 0.0000 |
| L37 | 57 | (Area) CCI-65FP-045100 (H) | 53.50 - 53.75 | Auto | 0.0000 |
| L37 | 59 | (Area) CCI-65FP-065125 (H) | 53.50 - 53.75 | Auto | 0.0000 |
| L37 | 67 | (Area) CCI-65FP-045100 (H) | 53.50 - 53.75 | Auto | 0.0000 |
| L37 | 68 | (Area) CCI-65FP-045100 (H) | 53.50 - 53.75 | Auto | 0.0000 |
| L37 | 69 | (Area) CCI-65FP-045100 (H) | 53.50 - 53.75 | Auto | 0.0000 |
| L37 | 70 | (Area) CCI-65FP-045100 (H) | 53.50 - 53.75 | Auto | 0.0000 |
| L38 | 25 | C6x10.5 | 53.25 - 53.50 | Auto | 0.0000 |
| L38 | 26 | C6x10.5 | 53.25 - 53.50 | Auto | 0.0000 |
| L38 | 27 | C6x10.5 | 53.25 - 53.50 | Auto | 0.0000 |
| L38 | 28 | C6x10.5 | 53.25 - 53.50 | Auto | 0.0000 |
| L38 | 40 | PL 1 x 5 | 53.25 - 53.50 | Auto | 0.0000 |
| L38 | 41 | PL 1 x 5 | 53.25 - 53.50 | Auto | 0.0000 |
| L38 | 42 | PL 1 x 5 | 53.25 - 53.50 | Auto | 0.0000 |
| L38 | 43 | PL 1 x 5 | 53.25 - 53.50 | Auto | 0.0000 |
| L38 | 55 | (Area) CCI-65FP-045100 (H) | 53.25 - 53.50 | Auto | 0.0000 |
| L38 | 56 | (Area) CCI-65FP-045100 (H) | 53.25 - 53.50 | Auto | 0.0000 |
| L38 | 57 | (Area) CCI-65FP-045100 (H) | 53.25 - 53.50 | Auto | 0.0000 |
| L38 | 59 | (Area) CCI-65FP-065125 (H) | 53.25 - 53.50 | Auto | 0.0000 |
| L38 | 67 | (Area) CCI-65FP-045100 (H) | 53.25 - 53.50 | Auto | 0.0000 |
| L38 | 68 | (Area) CCI-65FP-045100 (H) | 53.25 - 53.50 | Auto | 0.0000 |
| L38 | 69 | (Area) CCI-65FP-045100 (H) | 53.25 - 53.50 | Auto | 0.0000 |
| L38 | 70 | (Area) CCI-65FP-045100 (H) | 53.25 - 53.50 | Auto | 0.0000 |
| L39 | 25 | C6x10.5 | 53.00 - 53.25 | Auto | 0.0000 |
| L39 | 26 | C6x10.5 | 53.00 - 53.25 | Auto | 0.0000 |
| L39 | 27 | C6x10.5 | 53.00 - 53.25 | Auto | 0.0000 |
| L39 | 28 | C6x10.5 | 53.00 - 53.25 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|----------------------------|--------------------------|--------------------------|-----------------------|
| L39 | 40 | PL 1 x 5 | 53.00 - 53.25 | Auto | 0.0000 |
| L39 | 41 | PL 1 x 5 | 53.00 - 53.25 | Auto | 0.0000 |
| L39 | 42 | PL 1 x 5 | 53.00 - 53.25 | Auto | 0.0000 |
| L39 | 43 | PL 1 x 5 | 53.00 - 53.25 | Auto | 0.0000 |
| L39 | 55 | (Area) CCI-65FP-045100 (H) | 53.00 - 53.25 | Auto | 0.0000 |
| L39 | 56 | (Area) CCI-65FP-045100 (H) | 53.00 - 53.25 | Auto | 0.0000 |
| L39 | 57 | (Area) CCI-65FP-045100 (H) | 53.00 - 53.25 | Auto | 0.0000 |
| L39 | 59 | (Area) CCI-65FP-065125 (H) | 53.00 - 53.25 | Auto | 0.0000 |
| L39 | 67 | (Area) CCI-65FP-045100 (H) | 53.00 - 53.25 | Auto | 0.0000 |
| L39 | 68 | (Area) CCI-65FP-045100 (H) | 53.00 - 53.25 | Auto | 0.0000 |
| L39 | 69 | (Area) CCI-65FP-045100 (H) | 53.00 - 53.25 | Auto | 0.0000 |
| L39 | 70 | (Area) CCI-65FP-045100 (H) | 53.00 - 53.25 | Auto | 0.0000 |
| L40 | 25 | C6x10.5 | 48.00 - 53.00 | Auto | 0.0000 |
| L40 | 26 | C6x10.5 | 48.00 - 53.00 | Auto | 0.0000 |
| L40 | 27 | C6x10.5 | 48.00 - 53.00 | Auto | 0.0000 |
| L40 | 28 | C6x10.5 | 48.00 - 53.00 | Auto | 0.0000 |
| L40 | 40 | PL 1 x 5 | 48.00 - 53.00 | Auto | 0.0000 |
| L40 | 41 | PL 1 x 5 | 48.00 - 53.00 | Auto | 0.0000 |
| L40 | 42 | PL 1 x 5 | 48.00 - 53.00 | Auto | 0.0000 |
| L40 | 43 | PL 1 x 5 | 48.00 - 53.00 | Auto | 0.0000 |
| L40 | 55 | (Area) CCI-65FP-045100 (H) | 52.00 - 53.00 | Auto | 0.0000 |
| L40 | 56 | (Area) CCI-65FP-045100 (H) | 52.00 - 53.00 | Auto | 0.0000 |
| L40 | 57 | (Area) CCI-65FP-045100 (H) | 52.00 - 53.00 | Auto | 0.0000 |
| L40 | 59 | (Area) CCI-65FP-065125 (H) | 50.50 - 53.00 | Auto | 0.0000 |
| L40 | 67 | (Area) CCI-65FP-045100 (H) | 48.00 - 53.00 | Auto | 0.0000 |
| L40 | 68 | (Area) CCI-65FP-045100 (H) | 48.00 - 53.00 | Auto | 0.0000 |
| L40 | 69 | (Area) CCI-65FP-045100 (H) | 48.00 - 53.00 | Auto | 0.0000 |
| L40 | 70 | (Area) CCI-65FP-045100 (H) | 48.00 - 53.00 | Auto | 0.0000 |
| L41 | 25 | C6x10.5 | 39.75 - 48.00 | Auto | 0.0000 |
| L41 | 26 | C6x10.5 | 39.75 - 48.00 | Auto | 0.0000 |
| L41 | 27 | C6x10.5 | 39.75 - 48.00 | Auto | 0.0000 |
| L41 | 28 | C6x10.5 | 39.75 - 48.00 | Auto | 0.0000 |
| L41 | 40 | PL 1 x 5 | 39.75 - 48.00 | Auto | 0.0000 |
| L41 | 41 | PL 1 x 5 | 39.75 - 48.00 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|----------------------------|--------------------------|--------------------------|-----------------------|
| L41 | 42 | PL 1 x 5 | 39.75 - 48.00 | Auto | 0.0000 |
| L41 | 43 | PL 1 x 5 | 39.75 - 48.00 | Auto | 0.0000 |
| L41 | 50 | (Area) Aero MP3-03 (H) | 39.75 - 45.42 | Auto | 0.0000 |
| L41 | 51 | (Area) Aero MP3-03 (H) | 39.75 - 45.42 | Auto | 0.0000 |
| L41 | 52 | (Area) Aero MP3-03 (H) | 39.75 - 45.42 | Auto | 0.0000 |
| L41 | 53 | (Area) Aero MP3-03 (H) | 39.75 - 45.42 | Auto | 0.0000 |
| L41 | 67 | (Area) CCI-65FP-045100 (H) | 42.50 - 48.00 | Auto | 0.0000 |
| L41 | 68 | (Area) CCI-65FP-045100 (H) | 42.50 - 48.00 | Auto | 0.0000 |
| L41 | 69 | (Area) CCI-65FP-045100 (H) | 42.50 - 48.00 | Auto | 0.0000 |
| L41 | 70 | (Area) CCI-65FP-045100 (H) | 42.25 - 48.00 | Auto | 0.0000 |
| L42 | 25 | C6x10.5 | 38.75 - 39.75 | Auto | 0.0000 |
| L42 | 26 | C6x10.5 | 38.75 - 39.75 | Auto | 0.0000 |
| L42 | 27 | C6x10.5 | 38.75 - 39.75 | Auto | 0.0000 |
| L42 | 28 | C6x10.5 | 38.75 - 39.75 | Auto | 0.0000 |
| L42 | 40 | PL 1 x 5 | 38.75 - 39.75 | Auto | 0.0000 |
| L42 | 41 | PL 1 x 5 | 38.75 - 39.75 | Auto | 0.0000 |
| L42 | 42 | PL 1 x 5 | 38.75 - 39.75 | Auto | 0.0000 |
| L42 | 43 | PL 1 x 5 | 38.75 - 39.75 | Auto | 0.0000 |
| L42 | 50 | (Area) Aero MP3-03 (H) | 38.75 - 39.75 | Auto | 0.0000 |
| L42 | 51 | (Area) Aero MP3-03 (H) | 38.75 - 39.75 | Auto | 0.0000 |
| L42 | 52 | (Area) Aero MP3-03 (H) | 38.75 - 39.75 | Auto | 0.0000 |
| L42 | 53 | (Area) Aero MP3-03 (H) | 38.75 - 39.75 | Auto | 0.0000 |
| L43 | 25 | C6x10.5 | 34.75 - 38.75 | Auto | 0.0000 |
| L43 | 26 | C6x10.5 | 34.75 - 38.75 | Auto | 0.0000 |
| L43 | 27 | C6x10.5 | 34.75 - 38.75 | Auto | 0.0000 |
| L43 | 28 | C6x10.5 | 34.75 - 38.75 | Auto | 0.0000 |
| L43 | 35 | PL 1 x 5 | 34.75 - 37.00 | Auto | 0.0000 |
| L43 | 36 | PL 1 x 5 | 34.75 - 37.00 | Auto | 0.0000 |
| L43 | 37 | PL 1 x 5 | 34.75 - 37.00 | Auto | 0.0000 |
| L43 | 38 | PL 1 x 5 | 34.75 - 37.00 | Auto | 0.0000 |
| L43 | 40 | PL 1 x 5 | 34.75 - 38.75 | Auto | 0.0000 |
| L43 | 41 | PL 1 x 5 | 34.75 - 38.75 | Auto | 0.0000 |
| L43 | 42 | PL 1 x 5 | 34.75 - 38.75 | Auto | 0.0000 |
| L43 | 43 | PL 1 x 5 | 34.75 - 38.75 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|------------------------|--------------------------|--------------------------|-----------------------|
| L43 | 50 | (Area) Aero MP3-03 (H) | 34.75 - 38.75 | Auto | 0.0000 |
| L43 | 51 | (Area) Aero MP3-03 (H) | 34.75 - 38.75 | Auto | 0.0000 |
| L43 | 52 | (Area) Aero MP3-03 (H) | 34.75 - 38.75 | Auto | 0.0000 |
| L43 | 53 | (Area) Aero MP3-03 (H) | 34.75 - 38.75 | Auto | 0.0000 |
| L44 | 25 | C6x10.5 | 34.50 - 34.75 | Auto | 0.0000 |
| L44 | 26 | C6x10.5 | 34.50 - 34.75 | Auto | 0.0000 |
| L44 | 27 | C6x10.5 | 34.50 - 34.75 | Auto | 0.0000 |
| L44 | 28 | C6x10.5 | 34.50 - 34.75 | Auto | 0.0000 |
| L44 | 35 | PL 1 x 5 | 34.50 - 34.75 | Auto | 0.0000 |
| L44 | 36 | PL 1 x 5 | 34.50 - 34.75 | Auto | 0.0000 |
| L44 | 37 | PL 1 x 5 | 34.50 - 34.75 | Auto | 0.0000 |
| L44 | 38 | PL 1 x 5 | 34.50 - 34.75 | Auto | 0.0000 |
| L44 | 40 | PL 1 x 5 | 34.50 - 34.75 | Auto | 0.0000 |
| L44 | 41 | PL 1 x 5 | 34.50 - 34.75 | Auto | 0.0000 |
| L44 | 42 | PL 1 x 5 | 34.50 - 34.75 | Auto | 0.0000 |
| L44 | 43 | PL 1 x 5 | 34.50 - 34.75 | Auto | 0.0000 |
| L44 | 50 | (Area) Aero MP3-03 (H) | 34.50 - 34.75 | Auto | 0.0000 |
| L44 | 51 | (Area) Aero MP3-03 (H) | 34.50 - 34.75 | Auto | 0.0000 |
| L44 | 52 | (Area) Aero MP3-03 (H) | 34.50 - 34.75 | Auto | 0.0000 |
| L44 | 53 | (Area) Aero MP3-03 (H) | 34.50 - 34.75 | Auto | 0.0000 |
| L45 | 25 | C6x10.5 | 33.75 - 34.50 | Auto | 0.0000 |
| L45 | 26 | C6x10.5 | 33.75 - 34.50 | Auto | 0.0000 |
| L45 | 27 | C6x10.5 | 33.75 - 34.50 | Auto | 0.0000 |
| L45 | 28 | C6x10.5 | 33.75 - 34.50 | Auto | 0.0000 |
| L45 | 35 | PL 1 x 5 | 33.75 - 34.50 | Auto | 0.0000 |
| L45 | 36 | PL 1 x 5 | 33.75 - 34.50 | Auto | 0.0000 |
| L45 | 37 | PL 1 x 5 | 33.75 - 34.50 | Auto | 0.0000 |
| L45 | 38 | PL 1 x 5 | 33.75 - 34.50 | Auto | 0.0000 |
| L45 | 40 | PL 1 x 5 | 33.75 - 34.50 | Auto | 0.0000 |
| L45 | 41 | PL 1 x 5 | 33.75 - 34.50 | Auto | 0.0000 |
| L45 | 42 | PL 1 x 5 | 33.75 - 34.50 | Auto | 0.0000 |
| L45 | 43 | PL 1 x 5 | 33.75 - 34.50 | Auto | 0.0000 |
| L45 | 50 | (Area) Aero MP3-03 (H) | 33.75 - 34.50 | Auto | 0.0000 |
| L45 | 51 | (Area) Aero MP3-03 (H) | 33.75 - 34.50 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|------------------------|--------------------------|--------------------------|-----------------------|
| L45 | 52 | (Area) Aero MP3-03 (H) | 33.75 - 34.50 | Auto | 0.0000 |
| L45 | 53 | (Area) Aero MP3-03 (H) | 33.75 - 34.50 | Auto | 0.0000 |
| L46 | 25 | C6x10.5 | 33.50 - 33.75 | Auto | 0.0000 |
| L46 | 26 | C6x10.5 | 33.50 - 33.75 | Auto | 0.0000 |
| L46 | 27 | C6x10.5 | 33.50 - 33.75 | Auto | 0.0000 |
| L46 | 28 | C6x10.5 | 33.50 - 33.75 | Auto | 0.0000 |
| L46 | 35 | PL 1 x 5 | 33.50 - 33.75 | Auto | 0.0000 |
| L46 | 36 | PL 1 x 5 | 33.50 - 33.75 | Auto | 0.0000 |
| L46 | 37 | PL 1 x 5 | 33.50 - 33.75 | Auto | 0.0000 |
| L46 | 38 | PL 1 x 5 | 33.50 - 33.75 | Auto | 0.0000 |
| L46 | 40 | PL 1 x 5 | 33.50 - 33.75 | Auto | 0.0000 |
| L46 | 41 | PL 1 x 5 | 33.50 - 33.75 | Auto | 0.0000 |
| L46 | 42 | PL 1 x 5 | 33.50 - 33.75 | Auto | 0.0000 |
| L46 | 43 | PL 1 x 5 | 33.50 - 33.75 | Auto | 0.0000 |
| L46 | 50 | (Area) Aero MP3-03 (H) | 33.50 - 33.75 | Auto | 0.0000 |
| L46 | 51 | (Area) Aero MP3-03 (H) | 33.50 - 33.75 | Auto | 0.0000 |
| L46 | 52 | (Area) Aero MP3-03 (H) | 33.50 - 33.75 | Auto | 0.0000 |
| L46 | 53 | (Area) Aero MP3-03 (H) | 33.50 - 33.75 | Auto | 0.0000 |
| L47 | 25 | C6x10.5 | 28.50 - 33.50 | Auto | 0.0000 |
| L47 | 26 | C6x10.5 | 28.50 - 33.50 | Auto | 0.0000 |
| L47 | 27 | C6x10.5 | 28.50 - 33.50 | Auto | 0.0000 |
| L47 | 28 | C6x10.5 | 28.50 - 33.50 | Auto | 0.0000 |
| L47 | 35 | PL 1 x 5 | 28.50 - 33.50 | Auto | 0.0000 |
| L47 | 36 | PL 1 x 5 | 28.50 - 33.50 | Auto | 0.0000 |
| L47 | 37 | PL 1 x 5 | 28.50 - 33.50 | Auto | 0.0000 |
| L47 | 38 | PL 1 x 5 | 28.50 - 33.50 | Auto | 0.0000 |
| L47 | 40 | PL 1 x 5 | 31.50 - 33.50 | Auto | 0.0000 |
| L47 | 41 | PL 1 x 5 | 31.50 - 33.50 | Auto | 0.0000 |
| L47 | 42 | PL 1 x 5 | 31.50 - 33.50 | Auto | 0.0000 |
| L47 | 43 | PL 1 x 5 | 31.50 - 33.50 | Auto | 0.0000 |
| L47 | 50 | (Area) Aero MP3-03 (H) | 28.50 - 33.50 | Auto | 0.0000 |
| L47 | 51 | (Area) Aero MP3-03 (H) | 28.50 - 33.50 | Auto | 0.0000 |
| L47 | 52 | (Area) Aero MP3-03 (H) | 28.50 - 33.50 | Auto | 0.0000 |
| L47 | 53 | (Area) Aero MP3-03 (H) | 28.50 - 33.50 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|------------------------|--------------------------|--------------------------|-----------------------|
| L48 | 25 | C6x10.5 | 24.00 - 28.50 | Auto | 0.0000 |
| L48 | 26 | C6x10.5 | 24.00 - 28.50 | Auto | 0.0000 |
| L48 | 27 | C6x10.5 | 24.00 - 28.50 | Auto | 0.0000 |
| L48 | 28 | C6x10.5 | 24.00 - 28.50 | Auto | 0.0000 |
| L48 | 30 | (Area) Aero MP3-04 (H) | 24.00 - 25.42 | Auto | 0.0000 |
| L48 | 31 | (Area) Aero MP3-04 (H) | 24.00 - 25.42 | Auto | 0.0000 |
| L48 | 32 | (Area) Aero MP3-04 (H) | 24.00 - 25.42 | Auto | 0.0000 |
| L48 | 33 | (Area) Aero MP3-04 (H) | 24.00 - 25.42 | Auto | 0.0000 |
| L48 | 35 | PL 1 x 5 | 24.00 - 28.50 | Auto | 0.0000 |
| L48 | 36 | PL 1 x 5 | 24.00 - 28.50 | Auto | 0.0000 |
| L48 | 37 | PL 1 x 5 | 24.00 - 28.50 | Auto | 0.0000 |
| L48 | 38 | PL 1 x 5 | 24.00 - 28.50 | Auto | 0.0000 |
| L48 | 50 | (Area) Aero MP3-03 (H) | 25.42 - 28.50 | Auto | 0.0000 |
| L48 | 51 | (Area) Aero MP3-03 (H) | 25.42 - 28.50 | Auto | 0.0000 |
| L48 | 52 | (Area) Aero MP3-03 (H) | 25.42 - 28.50 | Auto | 0.0000 |
| L48 | 53 | (Area) Aero MP3-03 (H) | 25.42 - 28.50 | Auto | 0.0000 |
| L49 | 25 | C6x10.5 | 23.75 - 24.00 | Auto | 0.0000 |
| L49 | 26 | C6x10.5 | 23.75 - 24.00 | Auto | 0.0000 |
| L49 | 27 | C6x10.5 | 23.75 - 24.00 | Auto | 0.0000 |
| L49 | 28 | C6x10.5 | 23.75 - 24.00 | Auto | 0.0000 |
| L49 | 30 | (Area) Aero MP3-04 (H) | 23.75 - 24.00 | Auto | 0.0000 |
| L49 | 31 | (Area) Aero MP3-04 (H) | 23.75 - 24.00 | Auto | 0.0000 |
| L49 | 32 | (Area) Aero MP3-04 (H) | 23.75 - 24.00 | Auto | 0.0000 |
| L49 | 33 | (Area) Aero MP3-04 (H) | 23.75 - 24.00 | Auto | 0.0000 |
| L49 | 35 | PL 1 x 5 | 23.75 - 24.00 | Auto | 0.0000 |
| L49 | 36 | PL 1 x 5 | 23.75 - 24.00 | Auto | 0.0000 |
| L49 | 37 | PL 1 x 5 | 23.75 - 24.00 | Auto | 0.0000 |
| L49 | 38 | PL 1 x 5 | 23.75 - 24.00 | Auto | 0.0000 |
| L50 | 25 | C6x10.5 | 18.75 - 23.75 | Auto | 0.0000 |
| L50 | 26 | C6x10.5 | 18.75 - 23.75 | Auto | 0.0000 |
| L50 | 27 | C6x10.5 | 18.75 - 23.75 | Auto | 0.0000 |
| L50 | 28 | C6x10.5 | 18.75 - 23.75 | Auto | 0.0000 |
| L50 | 30 | (Area) Aero MP3-04 (H) | 18.75 - 23.75 | Auto | 0.0000 |
| L50 | 31 | (Area) Aero MP3-04 (H) | 18.75 - 23.75 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|------------------------|--------------------------|--------------------------|-----------------------|
| L50 | 32 | (Area) Aero MP3-04 (H) | 18.75 - 23.75 | Auto | 0.0000 |
| L50 | 33 | (Area) Aero MP3-04 (H) | 18.75 - 23.75 | Auto | 0.0000 |
| L50 | 35 | PL 1 x 5 | 18.75 - 23.75 | Auto | 0.0000 |
| L50 | 36 | PL 1 x 5 | 18.75 - 23.75 | Auto | 0.0000 |
| L50 | 37 | PL 1 x 5 | 18.75 - 23.75 | Auto | 0.0000 |
| L50 | 38 | PL 1 x 5 | 18.75 - 23.75 | Auto | 0.0000 |
| L51 | 25 | C6x10.5 | 14.25 - 18.75 | Auto | 0.0000 |
| L51 | 26 | C6x10.5 | 14.25 - 18.75 | Auto | 0.0000 |
| L51 | 27 | C6x10.5 | 14.25 - 18.75 | Auto | 0.0000 |
| L51 | 28 | C6x10.5 | 14.25 - 18.75 | Auto | 0.0000 |
| L51 | 30 | (Area) Aero MP3-04 (H) | 14.25 - 18.75 | Auto | 0.0000 |
| L51 | 31 | (Area) Aero MP3-04 (H) | 14.25 - 18.75 | Auto | 0.0000 |
| L51 | 32 | (Area) Aero MP3-04 (H) | 14.25 - 18.75 | Auto | 0.0000 |
| L51 | 33 | (Area) Aero MP3-04 (H) | 14.25 - 18.75 | Auto | 0.0000 |
| L51 | 35 | PL 1 x 5 | 14.25 - 18.75 | Auto | 0.0000 |
| L51 | 36 | PL 1 x 5 | 14.25 - 18.75 | Auto | 0.0000 |
| L51 | 37 | PL 1 x 5 | 14.25 - 18.75 | Auto | 0.0000 |
| L51 | 38 | PL 1 x 5 | 14.25 - 18.75 | Auto | 0.0000 |
| L51 | 45 | (Area) Aero MP3-03 (H) | 14.25 - 15.42 | Auto | 0.0000 |
| L51 | 46 | (Area) Aero MP3-03 (H) | 14.25 - 15.42 | Auto | 0.0000 |
| L51 | 47 | (Area) Aero MP3-03 (H) | 14.25 - 15.42 | Auto | 0.0000 |
| L51 | 48 | (Area) Aero MP3-03 (H) | 14.25 - 15.42 | Auto | 0.0000 |
| L52 | 25 | C6x10.5 | 14.00 - 14.25 | Auto | 0.0000 |
| L52 | 26 | C6x10.5 | 14.00 - 14.25 | Auto | 0.0000 |
| L52 | 27 | C6x10.5 | 14.00 - 14.25 | Auto | 0.0000 |
| L52 | 28 | C6x10.5 | 14.00 - 14.25 | Auto | 0.0000 |
| L52 | 30 | (Area) Aero MP3-04 (H) | 14.00 - 14.25 | Auto | 0.0000 |
| L52 | 31 | (Area) Aero MP3-04 (H) | 14.00 - 14.25 | Auto | 0.0000 |
| L52 | 32 | (Area) Aero MP3-04 (H) | 14.00 - 14.25 | Auto | 0.0000 |
| L52 | 33 | (Area) Aero MP3-04 (H) | 14.00 - 14.25 | Auto | 0.0000 |
| L52 | 35 | PL 1 x 5 | 14.00 - 14.25 | Auto | 0.0000 |
| L52 | 36 | PL 1 x 5 | 14.00 - 14.25 | Auto | 0.0000 |
| L52 | 37 | PL 1 x 5 | 14.00 - 14.25 | Auto | 0.0000 |
| L52 | 38 | PL 1 x 5 | 14.00 - 14.25 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|------------------------|--------------------------|--------------------------|-----------------------|
| L52 | 45 | (Area) Aero MP3-03 (H) | 14.00 - 14.25 | Auto | 0.0000 |
| L52 | 46 | (Area) Aero MP3-03 (H) | 14.00 - 14.25 | Auto | 0.0000 |
| L52 | 47 | (Area) Aero MP3-03 (H) | 14.00 - 14.25 | Auto | 0.0000 |
| L52 | 48 | (Area) Aero MP3-03 (H) | 14.00 - 14.25 | Auto | 0.0000 |
| L53 | 25 | C6x10.5 | 9.00 - 14.00 | Auto | 0.0000 |
| L53 | 26 | C6x10.5 | 9.00 - 14.00 | Auto | 0.0000 |
| L53 | 27 | C6x10.5 | 9.00 - 14.00 | Auto | 0.0000 |
| L53 | 28 | C6x10.5 | 9.00 - 14.00 | Auto | 0.0000 |
| L53 | 30 | (Area) Aero MP3-04 (H) | 9.00 - 14.00 | Auto | 0.0000 |
| L53 | 31 | (Area) Aero MP3-04 (H) | 9.00 - 14.00 | Auto | 0.0000 |
| L53 | 32 | (Area) Aero MP3-04 (H) | 9.00 - 14.00 | Auto | 0.0000 |
| L53 | 33 | (Area) Aero MP3-04 (H) | 9.00 - 14.00 | Auto | 0.0000 |
| L53 | 35 | PL 1 x 5 | 9.00 - 14.00 | Auto | 0.0000 |
| L53 | 36 | PL 1 x 5 | 9.00 - 14.00 | Auto | 0.0000 |
| L53 | 37 | PL 1 x 5 | 9.00 - 14.00 | Auto | 0.0000 |
| L53 | 38 | PL 1 x 5 | 9.00 - 14.00 | Auto | 0.0000 |
| L53 | 45 | (Area) Aero MP3-03 (H) | 9.00 - 14.00 | Auto | 0.0000 |
| L53 | 46 | (Area) Aero MP3-03 (H) | 9.00 - 14.00 | Auto | 0.0000 |
| L53 | 47 | (Area) Aero MP3-03 (H) | 9.00 - 14.00 | Auto | 0.0000 |
| L53 | 48 | (Area) Aero MP3-03 (H) | 9.00 - 14.00 | Auto | 0.0000 |
| L54 | 25 | C6x10.5 | 7.67 - 9.00 | Auto | 0.0000 |
| L54 | 26 | C6x10.5 | 8.00 - 9.00 | Auto | 0.0000 |
| L54 | 27 | C6x10.5 | 5.00 - 9.00 | Auto | 0.0000 |
| L54 | 28 | C6x10.5 | 5.00 - 9.00 | Auto | 0.0000 |
| L54 | 30 | (Area) Aero MP3-04 (H) | 5.00 - 9.00 | Auto | 0.0000 |
| L54 | 31 | (Area) Aero MP3-04 (H) | 5.00 - 9.00 | Auto | 0.0000 |
| L54 | 32 | (Area) Aero MP3-04 (H) | 5.00 - 9.00 | Auto | 0.0000 |
| L54 | 33 | (Area) Aero MP3-04 (H) | 5.00 - 9.00 | Auto | 0.0000 |
| L54 | 35 | PL 1 x 5 | 5.00 - 9.00 | Auto | 0.0000 |
| L54 | 36 | PL 1 x 5 | 5.00 - 9.00 | Auto | 0.0000 |
| L54 | 37 | PL 1 x 5 | 5.00 - 9.00 | Auto | 0.0000 |
| L54 | 38 | PL 1 x 5 | 5.00 - 9.00 | Auto | 0.0000 |
| L54 | 45 | (Area) Aero MP3-03 (H) | 5.00 - 9.00 | Auto | 0.0000 |
| L54 | 46 | (Area) Aero MP3-03 (H) | 5.00 - 9.00 | Auto | 0.0000 |
| L54 | 47 | (Area) Aero MP3-03 (H) | 5.00 - 9.00 | Auto | 0.0000 |
| L54 | 48 | (Area) Aero MP3-03 (H) | 5.00 - 9.00 | Auto | 0.0000 |
| L55 | 27 | C6x10.5 | 4.75 - 5.00 | Auto | 0.0000 |
| L55 | 28 | C6x10.5 | 4.75 - 5.00 | Auto | 0.0000 |
| L55 | 30 | (Area) Aero MP3-04 (H) | 4.75 - 5.00 | Auto | 0.0000 |
| L55 | 31 | (Area) Aero MP3-04 (H) | 4.75 - 5.00 | Auto | 0.0000 |
| L55 | 32 | (Area) Aero MP3-04 (H) | 4.75 - 5.00 | Auto | 0.0000 |
| L55 | 33 | (Area) Aero MP3-04 (H) | 4.75 - 5.00 | Auto | 0.0000 |
| L55 | 35 | PL 1 x 5 | 4.75 - 5.00 | Auto | 0.0000 |
| L55 | 36 | PL 1 x 5 | 4.75 - 5.00 | Auto | 0.0000 |
| L55 | 37 | PL 1 x 5 | 4.75 - 5.00 | Auto | 0.0000 |
| L55 | 38 | PL 1 x 5 | 4.75 - 5.00 | Auto | 0.0000 |
| L55 | 45 | (Area) Aero MP3-03 (H) | 4.75 - 5.00 | Auto | 0.0000 |
| L55 | 46 | (Area) Aero MP3-03 (H) | 4.75 - 5.00 | Auto | 0.0000 |
| L55 | 47 | (Area) Aero MP3-03 (H) | 4.75 - 5.00 | Auto | 0.0000 |
| L55 | 48 | (Area) Aero MP3-03 (H) | 4.75 - 5.00 | Auto | 0.0000 |
| L56 | 27 | C6x10.5 | 4.50 - 4.75 | Auto | 0.0000 |
| L56 | 28 | C6x10.5 | 4.50 - 4.75 | Auto | 0.0000 |
| L56 | 30 | (Area) Aero MP3-04 (H) | 4.50 - 4.75 | Auto | 0.0000 |
| L56 | 31 | (Area) Aero MP3-04 (H) | 4.50 - 4.75 | Auto | 0.0000 |
| L56 | 32 | (Area) Aero MP3-04 (H) | 4.50 - 4.75 | Auto | 0.0000 |
| L56 | 33 | (Area) Aero MP3-04 (H) | 4.50 - 4.75 | Auto | 0.0000 |
| L56 | 35 | PL 1 x 5 | 4.50 - 4.75 | Auto | 0.0000 |
| L56 | 36 | PL 1 x 5 | 4.50 - 4.75 | Auto | 0.0000 |
| L56 | 37 | PL 1 x 5 | 4.50 - 4.75 | Auto | 0.0000 |
| L56 | 38 | PL 1 x 5 | 4.50 - 4.75 | Auto | 0.0000 |
| L56 | 45 | (Area) Aero MP3-03 (H) | 4.50 - 4.75 | Auto | 0.0000 |
| L56 | 46 | (Area) Aero MP3-03 (H) | 4.50 - 4.75 | Auto | 0.0000 |
| L56 | 47 | (Area) Aero MP3-03 (H) | 4.50 - 4.75 | Auto | 0.0000 |
| L56 | 48 | (Area) Aero MP3-03 (H) | 4.50 - 4.75 | Auto | 0.0000 |

| Tower Section | Attachment Record No. | Description | Attachment Segment Elev. | Ratio Calculation Method | Effective Width Ratio |
|---------------|-----------------------|------------------------|--------------------------|--------------------------|-----------------------|
| L57 | 27 | C6x10.5 | 0.00 - 4.50 | Auto | 0.0000 |
| L57 | 28 | C6x10.5 | 0.00 - 4.50 | Auto | 0.0000 |
| L57 | 30 | (Area) Aero MP3-04 (H) | 0.00 - 4.50 | Auto | 0.0000 |
| L57 | 31 | (Area) Aero MP3-04 (H) | 0.00 - 4.50 | Auto | 0.0000 |
| L57 | 32 | (Area) Aero MP3-04 (H) | 0.00 - 4.50 | Auto | 0.0000 |
| L57 | 33 | (Area) Aero MP3-04 (H) | 0.00 - 4.50 | Auto | 0.0000 |
| L57 | 35 | PL 1 x 5 | 2.50 - 4.50 | Auto | 0.0000 |
| L57 | 36 | PL 1 x 5 | 2.50 - 4.50 | Auto | 0.0000 |
| L57 | 37 | PL 1 x 5 | 2.50 - 4.50 | Auto | 0.0000 |
| L57 | 38 | PL 1 x 5 | 2.50 - 4.50 | Auto | 0.0000 |
| L57 | 45 | (Area) Aero MP3-03 (H) | 0.00 - 4.50 | Auto | 0.0000 |
| L57 | 46 | (Area) Aero MP3-03 (H) | 0.00 - 4.50 | Auto | 0.0000 |
| L57 | 47 | (Area) Aero MP3-03 (H) | 0.00 - 4.50 | Auto | 0.0000 |
| L57 | 48 | (Area) Aero MP3-03 (H) | 0.00 - 4.50 | Auto | 0.0000 |

Discrete Tower Loads

| Description | Face or Leg | Offset Type | Offsets: Horz Lateral Vert ft ft ft | Azimuth Adjustment ° | Placement ft |
|--|-------------|-------------|---|-------------------------|-----------------|
| *** | | | | | |
| VV-65B-R1_TMO w/ Mount Pipe | A | From Leg | 4.00 0.00 -1.00 | 0.0000 | 122.00 |
| VV-65B-R1_TMO w/ Mount Pipe | B | From Leg | 4.00 0.00 -1.00 | 0.0000 | 122.00 |
| VV-65B-R1_TMO w/ Mount Pipe | C | From Leg | 4.00 0.00 -1.00 | 0.0000 | 122.00 |
| AIR 6419 B41_TMO w/ Mount Pipe | A | From Leg | 4.00 0.00 -1.00 | 0.0000 | 122.00 |
| AIR 6419 B41_TMO w/ Mount Pipe | B | From Leg | 4.00 0.00 -1.00 | 0.0000 | 122.00 |
| AIR 6419 B41_TMO w/ Mount Pipe | C | From Leg | 4.00 0.00 -1.00 | 0.0000 | 122.00 |
| APXVAALL24_43-U-NA20_TMO w/ Mount Pipe | A | From Leg | 4.00 0.00 -1.00 | 0.0000 | 122.00 |
| APXVAALL24_43-U-NA20_TMO w/ Mount Pipe | B | From Leg | 4.00 0.00 -1.00 | 0.0000 | 122.00 |
| APXVAALL24_43-U-NA20_TMO w/ Mount Pipe | C | From Leg | 4.00 0.00 -1.00 | 0.0000 | 122.00 |
| RADIO 4460 B2/B25 B66_TMO | A | From Leg | 4.00 0.00 -1.00 | 0.0000 | 122.00 |
| RADIO 4460 B2/B25 B66_TMO | B | From Leg | 4.00 0.00 -1.00 | 0.0000 | 122.00 |
| RADIO 4460 B2/B25 B66_TMO | C | From Leg | 4.00 0.00 -1.00 | 0.0000 | 122.00 |

| Description | Face or Leg | Offset Type | Offsets: | | Azimuth Adjustment | Placement |
|---------------------------------|-------------|-------------------|----------|---------|--------------------|-----------|
| | | | Horz | Lateral | | |
| | | | ft | ft | ° | ft |
| Radio 4480_TMOV2 | A | From Leg | 4.00 | 0.00 | 0.0000 | 122.00 |
| | | | 0.00 | -1.00 | | |
| Radio 4480_TMOV2 | B | From Leg | 4.00 | 0.00 | 0.0000 | 122.00 |
| | | | 0.00 | -1.00 | | |
| Radio 4480_TMOV2 | C | From Leg | 4.00 | 0.00 | 0.0000 | 122.00 |
| | | | 0.00 | -1.00 | | |
| Platform Mount [LP 1201-1_HR-1] | C | None | | | 0.0000 | 122.00 |
| (2) 6' x 2" Mount Pipe | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 122.00 |
| | | | 0.00 | 0.00 | | |
| (2) 6' x 2" Mount Pipe | B | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 122.00 |
| | | | 0.00 | 0.00 | | |
| (2) 6' x 2" Mount Pipe | C | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 122.00 |
| | | | 0.00 | 0.00 | | |
| | | | 0.00 | 0.00 | | |
| * MT6407-77A w/ Mount Pipe | A | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | -3.00 | | |
| MT6407-77A w/ Mount Pipe | B | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | -3.00 | | |
| MT6407-77A w/ Mount Pipe | C | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | -3.00 | | |
| RCMDC-3315-PF-48 | A | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | 1.00 | | |
| RCMDC-3315-PF-48 | B | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | 1.00 | | |
| CBRS RRHRT4401- 48A | A | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | 1.00 | | |
| CBRS RRHRT4401- 48A | B | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | 1.00 | | |
| CBRS RRHRT4401- 48A | C | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | 1.00 | | |
| (2) JAHH-45B-R3B w/ Mount Pipe | B | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | -3.00 | | |
| (2) JAHH-45B-R3B w/ Mount Pipe | C | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | -3.00 | | |
| (2) JAHH-65B-R3B w/ Mount Pipe | A | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | -3.00 | | |
| CBRS w/ Mount Pipe | A | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | -1.00 | | |
| CBRS w/ Mount Pipe | B | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | -1.00 | | |
| CBRS w/ Mount Pipe | C | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | -1.00 | | |
| (2) CBC78T-DS-43-2X | A | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | 1.00 | | |

| Description | Face or Leg | Offset Type | Offsets: | | Azimuth Adjustment ° | Placement ft |
|---|-------------------|-------------------|-----------------------|------------|----------------------------|-----------------|
| | | | Horz Lateral ft | Vert ft | | |
| CBC78T-DS-43-2X | C | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | 1.00 | | |
| RFV01U-D1A | A | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | 1.00 | | |
| RFV01U-D1A | B | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | 1.00 | | |
| RFV01U-D1A | C | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | 1.00 | | |
| (2) RFV01U-D2A | A | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | 1.00 | | |
| RFV01U-D2A | B | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | 1.00 | | |
| Platform Mount [LP 305-1_KCKR-HR-1] 8' x 2" Mount Pipe | C | None | | | 0.0000 | 113.00 |
| | A | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | 0.00 | | |
| 8' x 2" Mount Pipe | B | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | 0.00 | | |
| 8' x 2" Mount Pipe | C | From Leg | 4.00 | 0.00 | 0.0000 | 113.00 |
| | | | 0.00 | 0.00 | | |
| * | | | | | | |
| AIR 3246 B66 w/ Mount Pipe | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 105.00 |
| | | | 0.00 | 2.00 | | |
| AIR 3246 B66 w/ Mount Pipe | B | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 105.00 |
| | | | 0.00 | 2.00 | | |
| AIR 3246 B66 w/ Mount Pipe | C | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 105.00 |
| | | | 0.00 | 2.00 | | |
| APXVAARR24_43-U-NA20 w/ Mount Pipe | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 105.00 |
| | | | 0.00 | 2.00 | | |
| APXVAARR24_43-U-NA20 w/ Mount Pipe | B | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 105.00 |
| | | | 0.00 | 2.00 | | |
| APXVAARR24_43-U-NA20 w/ Mount Pipe | C | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 105.00 |
| | | | 0.00 | 2.00 | | |
| AIR 32 B2A/B66AA w/ Mount Pipe | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 105.00 |
| | | | 0.00 | 2.00 | | |
| AIR 32 B2A/B66AA w/ Mount Pipe | B | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 105.00 |
| | | | 0.00 | 2.00 | | |
| AIR 32 B2A/B66AA w/ Mount Pipe | C | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 105.00 |
| | | | 0.00 | 2.00 | | |
| AIR6449 B41 w/ Mount Pipe | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 105.00 |
| | | | 0.00 | 2.00 | | |
| AIR6449 B41 w/ Mount Pipe | B | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 105.00 |
| | | | 0.00 | 2.00 | | |
| AIR6449 B41 w/ Mount Pipe | C | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 105.00 |
| | | | 0.00 | 2.00 | | |

| Description | Face or Leg | Offset Type | Offsets: | | Azimuth Adjustment | Placement |
|-----------------------------|-------------------|-------------------|-----------------------|------------|-----------------------|-----------|
| | | | Horz Lateral ft | Vert ft | | |
| RADIO 4449 B71/B85A | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 105.00 |
| | | | 2.00 | 0.00 | | |
| RADIO 4449 B71/B85A | B | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 105.00 |
| | | | 2.00 | 0.00 | | |
| RADIO 4449 B71/B85A | C | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 105.00 |
| | | | 2.00 | 0.00 | | |
| RRUS 4415 B25_CCIV2 | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 105.00 |
| | | | 2.00 | 0.00 | | |
| RRUS 4415 B25_CCIV2 | B | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 105.00 |
| | | | 2.00 | 0.00 | | |
| RRUS 4415 B25_CCIV2 | C | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 105.00 |
| | | | 2.00 | 0.00 | | |
| SitePro1 RMQP-4096-HK * | C | None | | | 0.0000 | 105.00 |
| AIR 6419 B77G w/ Mount Pipe | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 97.00 |
| | | | 1.00 | 0.00 | | |
| AIR 6419 B77G w/ Mount Pipe | B | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 97.00 |
| | | | 1.00 | 0.00 | | |
| AIR 6419 B77G w/ Mount Pipe | C | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 97.00 |
| | | | 1.00 | 0.00 | | |
| AIR 6449 B77D w/ Mount Pipe | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 97.00 |
| | | | 1.00 | 0.00 | | |
| AIR 6449 B77D w/ Mount Pipe | B | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 97.00 |
| | | | 1.00 | 0.00 | | |
| AIR 6449 B77D w/ Mount Pipe | C | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 97.00 |
| | | | 1.00 | 0.00 | | |
| QD4616-7 w/ Mount Pipe | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 97.00 |
| | | | 1.00 | 0.00 | | |
| QD4616-7 w/ Mount Pipe | B | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 97.00 |
| | | | 1.00 | 0.00 | | |
| QD4616-7 w/ Mount Pipe | C | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 97.00 |
| | | | 1.00 | 0.00 | | |
| WCS-IMFQ-AMT | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 97.00 |
| | | | 1.00 | 0.00 | | |
| WCS-IMFQ-AMT | B | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 97.00 |
| | | | 1.00 | 0.00 | | |
| RRUS 32 B30 | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 97.00 |
| | | | 0.00 | 0.00 | | |
| RRUS 32 B30 | B | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 97.00 |
| | | | 0.00 | 0.00 | | |
| RRUS 32 B30 | C | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 97.00 |
| | | | 0.00 | 0.00 | | |
| RRUS E2 B29 | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 97.00 |
| | | | 1.00 | 0.00 | | |

| Description | Face or Leg | Offset Type | Offsets: | | Azimuth Adjustment | Placement |
|-----------------------------------|-------------------|-------------------|-----------------|------------------|-----------------------|-----------|
| | | | Horz Lateral | Vert ft ft | | |
| RRUS E2 B29 | C | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 97.00 |
| | | | 0.00 | 1.00 | | |
| DC6-48-60-18-8F | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 97.00 |
| | | | 0.00 | 0.00 | | |
| DC6-48-60-18-8F | B | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 97.00 |
| | | | 0.00 | 0.00 | | |
| Side Arm Mount [SO 102-3] * | C | None | | | 0.0000 | 97.00 |
| 80010965 w/ Mount Pipe | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 96.00 |
| | | | 0.00 | 2.00 | | |
| 80010965 w/ Mount Pipe | B | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 96.00 |
| | | | 0.00 | 2.00 | | |
| 80010965 w/ Mount Pipe | C | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 96.00 |
| | | | 0.00 | 2.00 | | |
| WCS-IMFQ-AMT | C | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 96.00 |
| | | | 0.00 | 2.00 | | |
| RRUS 4449 B5/B12 | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 96.00 |
| | | | 0.00 | 2.00 | | |
| RRUS 4449 B5/B12 | B | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 96.00 |
| | | | 0.00 | 2.00 | | |
| RRUS 4449 B5/B12 | C | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 96.00 |
| | | | 0.00 | 2.00 | | |
| RRUS 4478 B14 | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 96.00 |
| | | | 0.00 | 2.00 | | |
| RRUS 4478 B14 | B | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 96.00 |
| | | | 0.00 | 2.00 | | |
| RRUS 4478 B14 | C | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 96.00 |
| | | | 0.00 | 2.00 | | |
| RRUS 8843 B2/B66A | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 96.00 |
| | | | 0.00 | 2.00 | | |
| RRUS 8843 B2/B66A | B | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 96.00 |
| | | | 0.00 | 2.00 | | |
| RRUS 8843 B2/B66A | C | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 96.00 |
| | | | 0.00 | 2.00 | | |
| RRUS E2 B29 | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 96.00 |
| | | | 0.00 | 2.00 | | |
| DC6-48-60-18-8F | A | From Centroid-Leg | 4.00 | 0.00 | 0.0000 | 96.00 |
| | | | 0.00 | 2.00 | | |
| Platform Mount [LP 712-1] | C | None | | | 0.0000 | 96.00 |
| Miscellaneous [NA 507-1] | C | None | | | 0.0000 | 99.00 |
| (2) L 2-1/2x2-1/2x3/16 (40" Long) | A | From Centroid-Leg | 2.00 | 0.00 | 0.0000 | 96.00 |
| | | | 0.00 | 0.00 | | |
| (2) L 2-1/2x2-1/2x3/16 (40" Long) | B | From Centroid-Leg | 2.00 | 0.00 | 0.0000 | 96.00 |
| | | | 0.00 | 0.00 | | |
| (2) L 2-1/2x2-1/2x3/16 (40" Long) | C | From Centroid-Leg | 2.00 | 0.00 | 0.0000 | 96.00 |

| Description | Face or Leg | Offset Type | Offsets: | | | Azimuth Adjustment | Placement |
|--|-------------|-------------|----------|---------|------|--------------------|-----------|
| | | | Horz | Lateral | Vert | | |
| | | | ft | ft | ft | ° | ft |
| | | | 0.00 | | | | |
| | | | 0.00 | | | | |
| * MX08FRO665-21 w/ Mount Pipe | A | From Leg | 4.00 | | | 0.0000 | 86.00 |
| | | | 0.00 | | | | |
| | | | 0.00 | | | | |
| MX08FRO665-21 w/ Mount Pipe | B | From Leg | 4.00 | | | 0.0000 | 86.00 |
| | | | 0.00 | | | | |
| | | | 0.00 | | | | |
| MX08FRO665-21 w/ Mount Pipe | C | From Leg | 4.00 | | | 0.0000 | 86.00 |
| | | | 0.00 | | | | |
| | | | 0.00 | | | | |
| TA08025-B604 | A | From Leg | 4.00 | | | 0.0000 | 86.00 |
| | | | 0.00 | | | | |
| | | | 0.00 | | | | |
| TA08025-B604 | B | From Leg | 4.00 | | | 0.0000 | 86.00 |
| | | | 0.00 | | | | |
| | | | 0.00 | | | | |
| TA08025-B604 | C | From Leg | 4.00 | | | 0.0000 | 86.00 |
| | | | 0.00 | | | | |
| | | | 0.00 | | | | |
| TA08025-B605 | A | From Leg | 4.00 | | | 0.0000 | 86.00 |
| | | | 0.00 | | | | |
| | | | 0.00 | | | | |
| TA08025-B605 | B | From Leg | 4.00 | | | 0.0000 | 86.00 |
| | | | 0.00 | | | | |
| | | | 0.00 | | | | |
| TA08025-B605 | C | From Leg | 4.00 | | | 0.0000 | 86.00 |
| | | | 0.00 | | | | |
| | | | 0.00 | | | | |
| RDIDC-9181-PF-48 | A | From Leg | 4.00 | | | 0.0000 | 86.00 |
| | | | 0.00 | | | | |
| | | | 0.00 | | | | |
| Commscope MC-PK8-DSH (2) 8' x 2" Mount Pipe | C | None | | | | 0.0000 | 86.00 |
| | | | 4.00 | | | 0.0000 | 86.00 |
| | | | 0.00 | | | | |
| | | | 0.00 | | | | |
| (2) 8' x 2" Mount Pipe | B | From Leg | 4.00 | | | 0.0000 | 86.00 |
| | | | 0.00 | | | | |
| | | | 0.00 | | | | |
| (2) 8' x 2" Mount Pipe | C | From Leg | 4.00 | | | 0.0000 | 86.00 |
| | | | 0.00 | | | | |
| | | | 0.00 | | | | |
| * ACUTIME 2000 | A | From Leg | 3.00 | | | 0.0000 | 75.00 |
| | | | 0.00 | | | | |
| | | | 1.00 | | | | |
| Side Arm Mount [SO 701-1] | A | From Leg | 1.50 | | | 0.0000 | 75.00 |
| | | | 0.00 | | | | |
| | | | 0.00 | | | | |
| *** | | | | | | | |

Dishes

| Description | Face or Leg | Dish Type | Offset Type | Offsets: | | | 3 dB Beam Width | Elevation | Outside Diameter |
|-------------|-------------|-----------|-------------|----------|---------|------|-----------------|-----------|------------------|
| | | | | Horz | Lateral | Vert | | | |
| | | | | ft | ft | ft | ° | ft | |
| | | | | | | | | | |

| Description | Face or Leg | Dish Type | Offset Type | Offsets: Horz Lateral Vert ft | Azimuth Adjustment ° | 3 dB Beam Width ° | Elevation ft | Outside Diameter ft |
|-------------|-------------------|--------------|----------------|---|----------------------------|----------------------------|-----------------|---------------------------|
| *** | | | | | | | | |

Load Combinations

| Comb. No. | Description |
|-----------|--|
| 1 | Dead Only |
| 2 | 1.2 Dead+1.0 Wind 0 deg - No Ice |
| 3 | 0.9 Dead+1.0 Wind 0 deg - No Ice |
| 4 | 1.2 Dead+1.0 Wind 30 deg - No Ice |
| 5 | 0.9 Dead+1.0 Wind 30 deg - No Ice |
| 6 | 1.2 Dead+1.0 Wind 60 deg - No Ice |
| 7 | 0.9 Dead+1.0 Wind 60 deg - No Ice |
| 8 | 1.2 Dead+1.0 Wind 90 deg - No Ice |
| 9 | 0.9 Dead+1.0 Wind 90 deg - No Ice |
| 10 | 1.2 Dead+1.0 Wind 120 deg - No Ice |
| 11 | 0.9 Dead+1.0 Wind 120 deg - No Ice |
| 12 | 1.2 Dead+1.0 Wind 150 deg - No Ice |
| 13 | 0.9 Dead+1.0 Wind 150 deg - No Ice |
| 14 | 1.2 Dead+1.0 Wind 180 deg - No Ice |
| 15 | 0.9 Dead+1.0 Wind 180 deg - No Ice |
| 16 | 1.2 Dead+1.0 Wind 210 deg - No Ice |
| 17 | 0.9 Dead+1.0 Wind 210 deg - No Ice |
| 18 | 1.2 Dead+1.0 Wind 240 deg - No Ice |
| 19 | 0.9 Dead+1.0 Wind 240 deg - No Ice |
| 20 | 1.2 Dead+1.0 Wind 270 deg - No Ice |
| 21 | 0.9 Dead+1.0 Wind 270 deg - No Ice |
| 22 | 1.2 Dead+1.0 Wind 300 deg - No Ice |
| 23 | 0.9 Dead+1.0 Wind 300 deg - No Ice |
| 24 | 1.2 Dead+1.0 Wind 330 deg - No Ice |
| 25 | 0.9 Dead+1.0 Wind 330 deg - No Ice |
| 26 | 1.2 Dead+1.0 Ice+1.0 Temp |
| 27 | 1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp |
| 28 | 1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp |
| 29 | 1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp |
| 30 | 1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp |
| 31 | 1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp |
| 32 | 1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp |
| 33 | 1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp |
| 34 | 1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp |
| 35 | 1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp |
| 36 | 1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp |
| 37 | 1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp |
| 38 | 1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp |
| 39 | Dead+Wind 0 deg - Service |
| 40 | Dead+Wind 30 deg - Service |
| 41 | Dead+Wind 60 deg - Service |
| 42 | Dead+Wind 90 deg - Service |
| 43 | Dead+Wind 120 deg - Service |
| 44 | Dead+Wind 150 deg - Service |
| 45 | Dead+Wind 180 deg - Service |
| 46 | Dead+Wind 210 deg - Service |
| 47 | Dead+Wind 240 deg - Service |
| 48 | Dead+Wind 270 deg - Service |
| 49 | Dead+Wind 300 deg - Service |
| 50 | Dead+Wind 330 deg - Service |

Maximum Member Forces

| Section No. | Elevation ft | Component Type | Condition | Gov. Load Comb. | Axial K | Major Axis Moment kip-ft | Minor Axis Moment kip-ft |
|-------------|---------------|----------------|------------------|-----------------|---------|--------------------------|--------------------------|
| L1 | 120 - 115 | Pole | Max Tension | 26 | 0.00 | 0.00 | -0.00 |
| | | | Max. Compression | 26 | -8.91 | -0.00 | -0.08 |
| | | | Max. Mx | 8 | -5.00 | -36.76 | -0.04 |
| | | | Max. My | 14 | -5.00 | -0.00 | -36.79 |
| | | | Max. Vy | 8 | 6.17 | -36.76 | -0.04 |
| | | | Max. Vx | 2 | -6.17 | -0.00 | 36.71 |
| L2 | 115 - 110 | Pole | Max. Torque | 12 | | | -0.00 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -16.68 | -0.76 | 0.86 |
| | | | Max. Mx | 8 | -9.26 | -77.72 | 0.29 |
| | | | Max. My | 2 | -9.27 | -0.22 | 78.05 |
| | | | Max. Vy | 8 | 11.13 | -77.72 | 0.29 |
| L3 | 110 - 105 | Pole | Max. Vx | 2 | -10.99 | -0.22 | 78.05 |
| | | | Max. Torque | 22 | | | -0.82 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -17.34 | -0.74 | 0.80 |
| | | | Max. Mx | 8 | -9.71 | -134.53 | 0.05 |
| | | | Max. My | 2 | -9.72 | -0.01 | 134.14 |
| L4 | 105 - 100 | Pole | Max. Vy | 8 | 11.60 | -134.53 | 0.05 |
| | | | Max. Vx | 2 | -11.46 | -0.01 | 134.14 |
| | | | Max. Torque | 22 | | | -0.82 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -26.27 | -0.79 | 0.78 |
| | | | Max. Mx | 8 | -15.25 | -221.64 | -0.17 |
| L5 | 100 - 99.25 | Pole | Max. My | 2 | -15.26 | 0.17 | 220.51 |
| | | | Max. Vy | 8 | 16.45 | -221.64 | -0.17 |
| | | | Max. Vx | 2 | -16.31 | 0.17 | 220.51 |
| | | | Max. Torque | 22 | | | -0.82 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -26.40 | -0.79 | 0.77 |
| L6 | 99.25 - 99 | Pole | Max. Mx | 8 | -15.33 | -234.00 | -0.21 |
| | | | Max. My | 2 | -15.35 | 0.19 | 232.76 |
| | | | Max. Vy | 8 | 16.52 | -234.00 | -0.21 |
| | | | Max. Vx | 2 | -16.38 | 0.19 | 232.76 |
| | | | Max. Torque | 22 | | | -0.82 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| L7 | 99 - 94 | Pole | Max. Compression | 26 | -26.46 | -0.80 | 0.77 |
| | | | Max. Mx | 8 | -15.37 | -238.13 | -0.22 |
| | | | Max. My | 2 | -15.39 | 0.20 | 236.85 |
| | | | Max. Vy | 8 | 16.54 | -238.13 | -0.22 |
| | | | Max. Vx | 2 | -16.40 | 0.20 | 236.85 |
| | | | Max. Torque | 22 | | | -0.82 |
| L8 | 94 - 90.08 | Pole | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -37.09 | -0.71 | 1.78 |
| | | | Max. Mx | 8 | -21.48 | -428.84 | 0.16 |
| | | | Max. My | 2 | -21.48 | 0.45 | 427.76 |
| | | | Max. Vy | 8 | 22.77 | -428.84 | 0.16 |
| | | | Max. Vx | 2 | -22.73 | 0.45 | 427.76 |
| L9 | 90.08 - 89.83 | Pole | Max. Torque | 22 | | | -1.30 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -37.17 | -0.71 | 1.78 |
| | | | Max. Mx | 8 | -21.54 | -434.54 | 0.16 |
| | | | Max. My | 2 | -21.55 | 0.45 | 433.44 |
| | | | Max. Vy | 8 | 22.78 | -434.54 | 0.16 |
| L10 | 89.83 - 89.5 | Pole | Max. Vx | 2 | -22.75 | 0.45 | 433.44 |
| | | | Max. Torque | 22 | | | -1.30 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -37.27 | -0.71 | 1.77 |
| | | | Max. Mx | 8 | -21.62 | -442.06 | 0.15 |
| | | | Max. My | 2 | -21.62 | 0.45 | 440.95 |
| | | | Max. Vy | 8 | 22.82 | -442.06 | 0.15 |

| Section No. | Elevation ft | Component Type | Condition | Gov. Load Comb. | Axial K | Major Axis Moment kip-ft | Minor Axis Moment kip-ft |
|-------------|---------------|----------------|------------------|-----------------|---------|--------------------------|--------------------------|
| L11 | 89.5 - 89.25 | Pole | Max. Vx | 2 | -22.78 | 0.45 | 440.95 |
| | | | Max. Torque | 22 | | | -1.30 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -37.36 | -0.71 | 1.77 |
| | | | Max. Mx | 8 | -21.68 | -447.77 | 0.15 |
| | | | Max. My | 2 | -21.69 | 0.46 | 446.65 |
| | | | Max. Vy | 8 | 22.84 | -447.77 | 0.15 |
| | | | Max. Vx | 2 | -22.81 | 0.46 | 446.65 |
| L12 | 89.25 - 84.25 | Pole | Max. Torque | 22 | | | -1.30 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -44.01 | -0.74 | 2.04 |
| | | | Max. Mx | 8 | -26.12 | -568.71 | 0.18 |
| | | | Max. My | 2 | -26.13 | 0.48 | 567.52 |
| | | | Max. Vy | 8 | 26.44 | -568.71 | 0.18 |
| | | | Max. Vx | 2 | -26.44 | 0.48 | 567.52 |
| | | | Max. Torque | 22 | | | -1.51 |
| L13 | 84.25 - 78 | Pole | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -44.94 | -0.77 | 2.02 |
| | | | Max. Mx | 8 | -26.82 | -635.15 | 0.15 |
| | | | Max. My | 2 | -26.83 | 0.49 | 633.92 |
| | | | Max. Vy | 8 | 26.71 | -635.15 | 0.15 |
| | | | Max. Vx | 2 | -26.70 | 0.49 | 633.92 |
| | | | Max. Torque | 22 | | | -1.51 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| L14 | 78 - 77 | Pole | Max. Compression | 26 | -48.20 | -0.82 | 1.99 |
| | | | Max. Mx | 8 | -29.45 | -763.46 | 0.08 |
| | | | Max. My | 2 | -29.46 | 0.50 | 762.14 |
| | | | Max. Vy | 8 | 27.30 | -763.46 | 0.08 |
| | | | Max. Vx | 2 | -27.29 | 0.50 | 762.14 |
| | | | Max. Torque | 22 | | | -1.51 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -48.32 | -0.83 | 1.99 |
| L15 | 77 - 76.75 | Pole | Max. Mx | 8 | -29.55 | -770.29 | 0.07 |
| | | | Max. My | 2 | -29.55 | 0.51 | 768.97 |
| | | | Max. Vy | 8 | 27.32 | -770.29 | 0.07 |
| | | | Max. Vx | 2 | -27.32 | 0.51 | 768.97 |
| | | | Max. Torque | 22 | | | -1.51 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -48.44 | -0.83 | 1.99 |
| | | | Max. Mx | 8 | -29.64 | -777.13 | 0.07 |
| L16 | 76.75 - 76.5 | Pole | Max. My | 2 | -29.65 | 0.51 | 775.80 |
| | | | Max. Vy | 8 | 27.35 | -777.13 | 0.07 |
| | | | Max. Vx | 2 | -27.34 | 0.51 | 775.80 |
| | | | Max. Torque | 22 | | | -1.51 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -48.44 | -0.83 | 1.99 |
| | | | Max. Mx | 8 | -29.64 | -777.13 | 0.07 |
| | | | Max. My | 2 | -29.65 | 0.51 | 775.80 |
| L17 | 76.5 - 75.5 | Pole | Max. Vy | 8 | 27.35 | -777.13 | 0.07 |
| | | | Max. Vx | 2 | -27.34 | 0.51 | 775.80 |
| | | | Max. Torque | 22 | | | -1.51 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -48.94 | -0.84 | 1.99 |
| | | | Max. Mx | 8 | -30.03 | -804.54 | 0.05 |
| | | | Max. My | 2 | -30.03 | 0.51 | 803.19 |
| | | | Max. Vy | 8 | 27.47 | -804.54 | 0.05 |
| L18 | 75.5 - 75.25 | Pole | Max. Vx | 2 | -27.46 | 0.51 | 803.19 |
| | | | Max. Torque | 22 | | | -1.51 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -49.06 | -0.85 | 2.00 |
| | | | Max. Mx | 8 | -30.12 | -811.41 | 0.05 |
| | | | Max. My | 2 | -30.13 | 0.51 | 810.06 |
| | | | Max. Vy | 8 | 27.49 | -811.41 | 0.05 |
| | | | Max. Vx | 2 | -27.48 | 0.51 | 810.06 |
| L19 | 75.25 - 74.5 | Pole | Max. Torque | 22 | | | -1.51 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -49.52 | -0.86 | 2.32 |
| | | | Max. Mx | 8 | -30.45 | -832.12 | 0.25 |
| | | | Max. My | 2 | -30.46 | 0.51 | 830.95 |
| | | | Max. Vy | 8 | 27.66 | -832.12 | 0.25 |
| | | | Max. Vx | 2 | -27.62 | 0.51 | 830.95 |
| | | | Max. Torque | 22 | | | -1.71 |
| L20 | 74.5 - 74.25 | Pole | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -49.63 | -0.86 | 2.32 |
| | | | Max. Mx | 8 | -30.54 | -839.04 | 0.24 |

| Section No. | Elevation ft | Component Type | Condition | Gov. Load Comb. | Axial K | Major Axis Moment kip-ft | Minor Axis Moment kip-ft |
|-------------|---------------|----------------|------------------|-----------------|---------|--------------------------|--------------------------|
| L21 | 74.25 - 72 | Pole | Max. My | 2 | -30.55 | 0.51 | 837.86 |
| | | | Max. Vy | 8 | 27.69 | -839.04 | 0.24 |
| | | | Max. Vx | 2 | -27.64 | 0.51 | 837.86 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -50.61 | -0.90 | 2.32 |
| | | | Max. Mx | 8 | -31.28 | -901.62 | 0.21 |
| | | | Max. My | 2 | -31.29 | 0.52 | 900.30 |
| | | | Max. Vy | 8 | 27.93 | -901.62 | 0.21 |
| | | | Max. Vx | 2 | -27.89 | 0.52 | 900.30 |
| L22 | 72 - 71.75 | Pole | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -50.74 | -0.90 | 2.32 |
| | | | Max. Mx | 8 | -31.38 | -908.61 | 0.21 |
| | | | Max. My | 2 | -31.39 | 0.52 | 907.27 |
| | | | Max. Vy | 8 | 27.96 | -908.61 | 0.21 |
| | | | Max. Vx | 2 | -27.91 | 0.52 | 907.27 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -51.37 | -0.91 | 2.33 |
| L23 | 71.75 - 70.5 | Pole | Max. Mx | 8 | -31.83 | -943.66 | 0.19 |
| | | | Max. My | 2 | -31.84 | 0.52 | 942.24 |
| | | | Max. Vy | 8 | 28.13 | -943.66 | 0.19 |
| | | | Max. Vx | 2 | -28.06 | 0.52 | 942.24 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -51.50 | -0.91 | 2.34 |
| | | | Max. Mx | 8 | -31.93 | -950.70 | 0.18 |
| | | | Max. My | 2 | -31.94 | 0.53 | 949.26 |
| | | | Max. Vy | 8 | 28.15 | -950.70 | 0.18 |
| L24 | 70.5 - 70.25 | Pole | Max. Vx | 2 | -28.09 | 0.53 | 949.26 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -51.63 | -0.91 | 2.34 |
| | | | Max. Mx | 8 | -32.03 | -957.74 | 0.18 |
| | | | Max. My | 2 | -32.04 | 0.53 | 956.28 |
| | | | Max. Vy | 8 | 28.18 | -957.74 | 0.18 |
| | | | Max. Vx | 2 | -28.12 | 0.53 | 956.28 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| L25 | 70.25 - 70 | Pole | Max. Compression | 26 | -51.76 | -0.91 | 2.34 |
| | | | Max. Mx | 8 | -32.12 | -964.79 | 0.18 |
| | | | Max. My | 2 | -32.13 | 0.53 | 963.31 |
| | | | Max. Vy | 8 | 28.21 | -964.79 | 0.18 |
| | | | Max. Vx | 2 | -28.14 | 0.53 | 963.31 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -51.89 | -0.91 | 2.34 |
| | | | Max. Mx | 8 | -32.22 | -971.85 | 0.17 |
| | | | Max. My | 2 | -32.23 | 0.53 | 970.35 |
| L26 | 70 - 69.75 | Pole | Max. Vy | 8 | 28.25 | -971.85 | 0.17 |
| | | | Max. Vx | 2 | -28.17 | 0.53 | 970.35 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -52.01 | -0.92 | 2.35 |
| | | | Max. Mx | 8 | -32.30 | -978.92 | 0.17 |
| | | | Max. My | 2 | -32.31 | 0.53 | 977.39 |
| | | | Max. Vy | 8 | 28.28 | -978.92 | 0.17 |
| | | | Max. Vx | 2 | -28.20 | 0.53 | 977.39 |
| | | | Max. Torque | 22 | | | -1.71 |
| L27 | 69.75 - 69.5 | Pole | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -54.24 | -0.96 | 2.33 |
| | | | Max. Mx | 8 | -34.00 | -1121.75 | 0.09 |
| | | | Max. My | 2 | -34.01 | 0.54 | 1119.67 |
| | | | Max. Vy | 8 | 28.85 | -1121.75 | 0.09 |
| | | | Max. Vx | 2 | -28.73 | 0.54 | 1119.67 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -54.24 | -0.96 | 2.33 |
| | | | Max. Mx | 8 | -34.00 | -1121.75 | 0.09 |
| L28 | 69.5 - 69.25 | Pole | Max. My | 2 | -34.01 | 0.54 | 1119.67 |
| | | | Max. Vy | 8 | 28.85 | -1121.75 | 0.09 |
| | | | Max. Vx | 2 | -28.73 | 0.54 | 1119.67 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -54.24 | -0.96 | 2.33 |
| | | | Max. Mx | 8 | -34.00 | -1121.75 | 0.09 |
| | | | Max. My | 2 | -34.01 | 0.54 | 1119.67 |
| | | | Max. Vy | 8 | 28.85 | -1121.75 | 0.09 |
| | | | Max. Vx | 2 | -28.73 | 0.54 | 1119.67 |
| L29 | 69.25 - 64.25 | Pole | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -54.24 | -0.96 | 2.33 |
| | | | Max. Mx | 8 | -34.00 | -1121.75 | 0.09 |
| | | | Max. My | 2 | -34.01 | 0.54 | 1119.67 |
| | | | Max. Vy | 8 | 28.85 | -1121.75 | 0.09 |
| | | | Max. Vx | 2 | -28.73 | 0.54 | 1119.67 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -54.24 | -0.96 | 2.33 |
| L30 | 64.25 - | Pole | Max. Mx | 8 | -34.00 | -1121.75 | 0.09 |
| | | | Max. My | 2 | -34.01 | 0.54 | 1119.67 |
| | | | Max. Vy | 8 | 28.85 | -1121.75 | 0.09 |
| | | | Max. Vx | 2 | -28.73 | 0.54 | 1119.67 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -54.24 | -0.96 | 2.33 |
| | | | Max. Mx | 8 | -34.00 | -1121.75 | 0.09 |
| | | | Max. My | 2 | -34.01 | 0.54 | 1119.67 |
| | | | Max. Vy | 8 | 28.85 | -1121.75 | 0.09 |

| Section No. | Elevation ft | Component Type | Condition | Gov. Load Comb. | Axial K | Major Axis Moment kip-ft | Minor Axis Moment kip-ft |
|-------------|--------------|----------------|------------------|-----------------|---------|--------------------------|--------------------------|
| | 59.25 | | Max. Compression | 26 | -56.43 | -1.02 | 2.29 |
| | | | Max. Mx | 8 | -35.73 | -1267.37 | 0.01 |
| | | | Max. My | 2 | -35.74 | 0.55 | 1264.55 |
| | | | Max. Vy | 8 | 29.40 | -1267.37 | 0.01 |
| | | | Max. Vx | 2 | -29.25 | 0.55 | 1264.55 |
| | | | Max. Torque | 22 | | | -1.71 |
| L31 | 59.25 - 56 | Pole | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -57.90 | -1.06 | 2.27 |
| | | | Max. Mx | 8 | -36.87 | -1363.50 | -0.04 |
| | | | Max. My | 2 | -36.88 | 0.56 | 1360.10 |
| | | | Max. Vy | 8 | 29.76 | -1363.50 | -0.04 |
| | | | Max. Vx | 2 | -29.58 | 0.56 | 1360.10 |
| | | | Max. Torque | 22 | | | -1.71 |
| L32 | 56 - 55.75 | Pole | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -58.05 | -1.06 | 2.27 |
| | | | Max. Mx | 8 | -36.99 | -1370.94 | -0.05 |
| | | | Max. My | 2 | -37.01 | 0.56 | 1367.49 |
| | | | Max. Vy | 8 | 29.78 | -1370.94 | -0.05 |
| | | | Max. Vx | 2 | -29.60 | 0.56 | 1367.49 |
| | | | Max. Torque | 22 | | | -1.71 |
| L33 | 55.75 - 55.5 | Pole | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -58.20 | -1.07 | 2.27 |
| | | | Max. Mx | 8 | -37.11 | -1378.39 | -0.05 |
| | | | Max. My | 2 | -37.12 | 0.56 | 1374.89 |
| | | | Max. Vy | 8 | 29.81 | -1378.39 | -0.05 |
| | | | Max. Vx | 2 | -29.63 | 0.56 | 1374.89 |
| | | | Max. Torque | 22 | | | -1.71 |
| L34 | 55.5 - 55.25 | Pole | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -58.35 | -1.07 | 2.26 |
| | | | Max. Mx | 8 | -37.23 | -1385.85 | -0.05 |
| | | | Max. My | 2 | -37.24 | 0.56 | 1382.30 |
| | | | Max. Vy | 8 | 29.84 | -1385.85 | -0.05 |
| | | | Max. Vx | 2 | -29.66 | 0.56 | 1382.30 |
| | | | Max. Torque | 22 | | | -1.71 |
| L35 | 55.25 - 54 | Pole | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -59.12 | -1.09 | 2.26 |
| | | | Max. Mx | 8 | -37.82 | -1423.27 | -0.07 |
| | | | Max. My | 2 | -37.83 | 0.56 | 1419.45 |
| | | | Max. Vy | 8 | 30.01 | -1423.27 | -0.07 |
| | | | Max. Vx | 2 | -29.80 | 0.56 | 1419.45 |
| | | | Max. Torque | 22 | | | -1.71 |
| L36 | 54 - 53.75 | Pole | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -59.27 | -1.10 | 2.26 |
| | | | Max. Mx | 8 | -37.93 | -1430.77 | -0.08 |
| | | | Max. My | 2 | -37.95 | 0.56 | 1426.90 |
| | | | Max. Vy | 8 | 30.03 | -1430.77 | -0.08 |
| | | | Max. Vx | 2 | -29.82 | 0.56 | 1426.90 |
| | | | Max. Torque | 22 | | | -1.71 |
| L37 | 53.75 - 53.5 | Pole | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -59.41 | -1.10 | 2.25 |
| | | | Max. Mx | 8 | -38.04 | -1438.28 | -0.08 |
| | | | Max. My | 2 | -38.06 | 0.56 | 1434.35 |
| | | | Max. Vy | 8 | 30.06 | -1438.28 | -0.08 |
| | | | Max. Vx | 2 | -29.85 | 0.56 | 1434.35 |
| | | | Max. Torque | 22 | | | -1.71 |
| L38 | 53.5 - 53.25 | Pole | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -59.55 | -1.11 | 2.25 |
| | | | Max. Mx | 8 | -38.15 | -1445.81 | -0.08 |
| | | | Max. My | 2 | -38.16 | 0.56 | 1441.82 |
| | | | Max. Vy | 8 | 30.09 | -1445.81 | -0.08 |
| | | | Max. Vx | 2 | -29.87 | 0.56 | 1441.82 |
| | | | Max. Torque | 22 | | | -1.71 |
| L39 | 53.25 - 53 | Pole | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -59.69 | -1.11 | 2.25 |
| | | | Max. Mx | 8 | -38.25 | -1453.33 | -0.09 |
| | | | Max. My | 2 | -38.26 | 0.56 | 1449.29 |
| | | | Max. Vy | 8 | 30.12 | -1453.33 | -0.09 |
| | | | Max. Vx | 2 | -29.90 | 0.56 | 1449.29 |

| Section No. | Elevation ft | Component Type | Condition | Gov. Load Comb. | Axial K | Major Axis Moment kip-ft | Minor Axis Moment kip-ft |
|-------------|---------------|----------------|------------------|-----------------|---------|--------------------------|--------------------------|
| L40 | 53 - 48 | Pole | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -62.26 | -1.21 | 2.22 |
| | | | Max. Mx | 8 | -40.23 | -1605.32 | -0.16 |
| | | | Max. My | 2 | -40.24 | 0.55 | 1599.94 |
| | | | Max. Vy | 8 | 30.67 | -1605.32 | -0.16 |
| L41 | 48 - 39.75 | Pole | Max. Vx | 2 | -30.39 | 0.55 | 1599.94 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -64.08 | -1.26 | 2.20 |
| | | | Max. Mx | 8 | -41.64 | -1713.28 | -0.21 |
| | | | Max. My | 2 | -41.65 | 0.55 | 1706.81 |
| L42 | 39.75 - 38.75 | Pole | Max. Vy | 8 | 31.03 | -1713.28 | -0.21 |
| | | | Max. Vx | 2 | -30.72 | 0.55 | 1706.81 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -68.75 | -1.36 | 2.19 |
| | | | Max. Mx | 8 | -45.40 | -1893.74 | -0.30 |
| L43 | 38.75 - 34.75 | Pole | Max. My | 2 | -45.41 | 0.54 | 1885.28 |
| | | | Max. Vy | 8 | 31.72 | -1893.74 | -0.30 |
| | | | Max. Vx | 2 | -31.37 | 0.54 | 1885.28 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -70.89 | -1.42 | 2.17 |
| L44 | 34.75 - 34.5 | Pole | Max. Mx | 8 | -47.05 | -2021.41 | -0.36 |
| | | | Max. My | 2 | -47.06 | 0.53 | 2011.41 |
| | | | Max. Vy | 8 | 32.12 | -2021.41 | -0.36 |
| | | | Max. Vx | 2 | -31.73 | 0.53 | 2011.41 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| L45 | 34.5 - 33.75 | Pole | Max. Compression | 26 | -71.04 | -1.42 | 2.17 |
| | | | Max. Mx | 8 | -47.18 | -2029.45 | -0.37 |
| | | | Max. My | 2 | -47.20 | 0.53 | 2019.34 |
| | | | Max. Vy | 8 | 32.14 | -2029.45 | -0.37 |
| | | | Max. Vx | 2 | -31.74 | 0.53 | 2019.34 |
| | | | Max. Torque | 22 | | | -1.71 |
| L46 | 33.75 - 33.5 | Pole | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -71.51 | -1.43 | 2.17 |
| | | | Max. Mx | 8 | -47.55 | -2053.59 | -0.38 |
| | | | Max. My | 2 | -47.56 | 0.53 | 2043.16 |
| | | | Max. Vy | 8 | 32.23 | -2053.59 | -0.38 |
| | | | Max. Vx | 2 | -31.82 | 0.53 | 2043.16 |
| L47 | 33.5 - 28.5 | Pole | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -74.32 | -1.52 | 2.15 |
| | | | Max. Mx | 8 | -49.75 | -2224.06 | -0.46 |
| | | | Max. My | 2 | -49.77 | 0.52 | 2211.30 |
| | | | Max. Vy | 8 | 32.71 | -2224.06 | -0.46 |
| L48 | 28.5 - 24 | Pole | Max. Vx | 2 | -32.27 | 0.52 | 2211.30 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -76.70 | -1.59 | 2.14 |
| | | | Max. Mx | 8 | -51.67 | -2372.06 | -0.53 |
| | | | Max. My | 2 | -51.68 | 0.50 | 2357.22 |
| L49 | 24 - 23.75 | Pole | Max. Vy | 8 | 33.08 | -2372.06 | -0.53 |
| | | | Max. Vx | 2 | -32.64 | 0.50 | 2357.22 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -76.84 | -1.60 | 2.14 |
| | | | Max. Mx | 8 | -51.79 | -2380.34 | -0.53 |

| Section No. | Elevation ft | Component Type | Condition | Gov. Load Comb. | Axial K | Major Axis Moment kip-ft | Minor Axis Moment kip-ft |
|-------------|---------------|----------------|------------------|-----------------|---------|--------------------------|--------------------------|
| L50 | 23.75 - 18.75 | Pole | Max. My | 2 | -51.80 | 0.50 | 2365.38 |
| | | | Max. Vy | 8 | 33.09 | -2380.34 | -0.53 |
| | | | Max. Vx | 2 | -32.64 | 0.50 | 2365.38 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -79.61 | -1.69 | 2.13 |
| | | | Max. Mx | 8 | -54.03 | -2546.80 | -0.61 |
| | | | Max. My | 2 | -54.04 | 0.49 | 2529.53 |
| | | | Max. Vy | 8 | 33.49 | -2546.80 | -0.61 |
| | | | Max. Vx | 2 | -33.05 | 0.49 | 2529.53 |
| L51 | 18.75 - 14.25 | Pole | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -82.13 | -1.76 | 2.11 |
| | | | Max. Mx | 8 | -56.07 | -2698.28 | -0.68 |
| | | | Max. My | 2 | -56.08 | 0.47 | 2678.90 |
| | | | Max. Vy | 8 | 33.84 | -2698.28 | -0.68 |
| | | | Max. Vx | 2 | -33.38 | 0.47 | 2678.90 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -82.28 | -1.77 | 2.11 |
| L52 | 14.25 - 14 | Pole | Max. Mx | 8 | -56.21 | -2706.74 | -0.69 |
| | | | Max. My | 2 | -56.22 | 0.47 | 2687.24 |
| | | | Max. Vy | 8 | 33.85 | -2706.74 | -0.69 |
| | | | Max. Vx | 2 | -33.38 | 0.47 | 2687.24 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -85.39 | -1.84 | 2.09 |
| | | | Max. Mx | 8 | -58.73 | -2877.21 | -0.77 |
| | | | Max. My | 2 | -58.73 | 0.45 | 2855.05 |
| | | | Max. Vy | 8 | 34.33 | -2877.21 | -0.77 |
| L53 | 14 - 9 | Pole | Max. Vx | 2 | -33.77 | 0.45 | 2855.05 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -87.76 | -1.91 | 1.93 |
| | | | Max. Mx | 8 | -60.70 | -3015.28 | -0.93 |
| | | | Max. My | 2 | -60.70 | 0.43 | 2990.54 |
| | | | Max. Vy | 8 | 34.71 | -3015.28 | -0.93 |
| | | | Max. Vx | 2 | -34.07 | 0.43 | 2990.54 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| L54 | 9 - 5 | Pole | Max. Compression | 26 | -87.92 | -1.92 | 1.92 |
| | | | Max. Mx | 8 | -60.84 | -3023.96 | -0.94 |
| | | | Max. My | 2 | -60.84 | 0.43 | 2999.05 |
| | | | Max. Vy | 8 | 34.72 | -3023.96 | -0.94 |
| | | | Max. Vx | 2 | -34.08 | 0.43 | 2999.05 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -88.08 | -1.93 | 1.91 |
| | | | Max. Mx | 8 | -60.97 | -3032.65 | -0.96 |
| | | | Max. My | 2 | -60.97 | 0.42 | 3007.56 |
| L55 | 5 - 4.75 | Pole | Max. Vy | 8 | 34.74 | -3032.65 | -0.96 |
| | | | Max. Vx | 2 | -34.10 | 0.42 | 3007.56 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -90.77 | -2.04 | 1.68 |
| | | | Max. Mx | 8 | -63.32 | -3189.92 | -1.19 |
| | | | Max. My | 2 | -63.32 | 0.38 | 3161.55 |
| | | | Max. Vy | 8 | 35.14 | -3189.92 | -1.19 |
| | | | Max. Vx | 2 | -34.45 | 0.38 | 3161.55 |
| | | | Max. Torque | 22 | | | -1.71 |
| L56 | 4.75 - 4.5 | Pole | Max. My | 2 | -63.32 | 0.38 | 3161.55 |
| | | | Max. Vy | 8 | 35.14 | -3189.92 | -1.19 |
| | | | Max. Vx | 2 | -34.45 | 0.38 | 3161.55 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -90.77 | -2.04 | 1.68 |
| | | | Max. Mx | 8 | -63.32 | -3189.92 | -1.19 |
| | | | Max. My | 2 | -63.32 | 0.38 | 3161.55 |
| | | | Max. Vy | 8 | 35.14 | -3189.92 | -1.19 |
| | | | Max. Vx | 2 | -34.45 | 0.38 | 3161.55 |
| L57 | 4.5 - 0 | Pole | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -90.77 | -2.04 | 1.68 |
| | | | Max. Mx | 8 | -63.32 | -3189.92 | -1.19 |
| | | | Max. My | 2 | -63.32 | 0.38 | 3161.55 |
| | | | Max. Vy | 8 | 35.14 | -3189.92 | -1.19 |
| | | | Max. Vx | 2 | -34.45 | 0.38 | 3161.55 |
| | | | Max. Torque | 22 | | | -1.71 |
| | | | Max Tension | 1 | 0.00 | 0.00 | 0.00 |
| | | | Max. Compression | 26 | -90.77 | -2.04 | 1.68 |

Maximum Reactions

| Location | Condition | Gov. Load Comb. | Vertical K | Horizontal, X K | Horizontal, Z K |
|----------|---------------------|-----------------|------------|-----------------|-----------------|
| Pole | Max. Vert | 26 | 90.77 | -0.00 | 0.00 |
| | Max. H _x | 20 | 63.33 | 35.12 | 0.01 |
| | Max. H _z | 2 | 63.33 | 0.01 | 34.43 |
| | Max. M _x | 2 | 3161.55 | 0.01 | 34.43 |
| | Max. M _z | 8 | 3189.92 | -35.12 | -0.01 |
| | Max. Torsion | 8 | 1.70 | -35.12 | -0.01 |
| | Min. Vert | 5 | 47.50 | -17.24 | 29.84 |
| | Min. H _x | 8 | 63.33 | -35.12 | -0.01 |
| | Min. H _z | 14 | 63.33 | -0.01 | -34.43 |
| | Min. M _x | 14 | -3160.16 | -0.01 | -34.43 |
| | Min. M _z | 20 | -3186.93 | 35.12 | 0.01 |
| | Min. Torsion | 22 | -1.71 | 30.52 | 17.61 |

Tower Mast Reaction Summary

| Load Combination | Vertical K | Shear _x K | Shear _z K | Overturing Moment, M _x kip-ft | Overturing Moment, M _z kip-ft | Torque kip-ft |
|------------------------------------|------------|----------------------|----------------------|--|--|---------------|
| Dead Only | 52.77 | 0.00 | 0.00 | -0.52 | -1.20 | 0.00 |
| 1.2 Dead+1.0 Wind 0 deg - No Ice | 63.33 | -0.01 | -34.43 | -3161.55 | 0.38 | 0.44 |
| 0.9 Dead+1.0 Wind 0 deg - No Ice | 47.50 | -0.01 | -34.43 | -3131.50 | 0.74 | 0.43 |
| 1.2 Dead+1.0 Wind 30 deg - No Ice | 63.33 | 17.24 | -29.84 | -2738.02 | -1583.03 | -0.49 |
| 0.9 Dead+1.0 Wind 30 deg - No Ice | 47.50 | 17.24 | -29.84 | -2711.99 | -1567.71 | -0.49 |
| 1.2 Dead+1.0 Wind 60 deg - No Ice | 63.33 | 30.61 | -17.65 | -1604.73 | -2785.49 | -1.27 |
| 0.9 Dead+1.0 Wind 60 deg - No Ice | 47.50 | 30.61 | -17.65 | -1589.46 | -2758.92 | -1.26 |
| 1.2 Dead+1.0 Wind 90 deg - No Ice | 63.33 | 35.12 | 0.01 | 1.19 | -3189.92 | -1.70 |
| 0.9 Dead+1.0 Wind 90 deg - No Ice | 47.50 | 35.12 | 0.01 | 1.35 | -3159.50 | -1.68 |
| 1.2 Dead+1.0 Wind 120 deg - No Ice | 63.33 | 30.52 | 17.61 | 1604.55 | -2783.82 | -1.66 |
| 0.9 Dead+1.0 Wind 120 deg - No Ice | 47.50 | 30.52 | 17.61 | 1589.63 | -2757.25 | -1.65 |
| 1.2 Dead+1.0 Wind 150 deg - No Ice | 63.33 | 18.05 | 31.22 | 2789.45 | -1615.68 | -1.25 |
| 0.9 Dead+1.0 Wind 150 deg - No Ice | 47.50 | 18.05 | 31.22 | 2763.51 | -1600.18 | -1.24 |
| 1.2 Dead+1.0 Wind 180 deg - No Ice | 63.33 | 0.01 | 34.43 | 3160.16 | -3.37 | -0.44 |
| 0.9 Dead+1.0 Wind 180 deg - No Ice | 47.50 | 0.01 | 34.43 | 3130.49 | -2.96 | -0.43 |
| 1.2 Dead+1.0 Wind 210 deg - No Ice | 63.33 | -17.24 | 29.84 | 2736.64 | 1580.04 | 0.45 |
| 0.9 Dead+1.0 Wind 210 deg - No Ice | 47.50 | -17.24 | 29.84 | 2710.98 | 1565.49 | 0.44 |
| 1.2 Dead+1.0 Wind 240 deg - No Ice | 63.33 | -30.61 | 17.65 | 1603.35 | 2782.49 | 1.23 |
| 0.9 Dead+1.0 Wind 240 deg - No Ice | 47.50 | -30.61 | 17.65 | 1588.45 | 2756.69 | 1.22 |
| 1.2 Dead+1.0 Wind 270 deg - No Ice | 63.33 | -35.12 | -0.01 | -2.56 | 3186.93 | 1.70 |
| 0.9 Dead+1.0 Wind 270 deg - No Ice | 47.50 | -35.12 | -0.01 | -2.35 | 3157.28 | 1.68 |
| 1.2 Dead+1.0 Wind 300 deg - No Ice | 63.33 | -30.52 | -17.61 | -1605.93 | 2780.84 | 1.71 |
| 0.9 Dead+1.0 Wind 300 deg - No Ice | 47.50 | -30.52 | -17.61 | -1590.64 | 2755.03 | 1.69 |
| 1.2 Dead+1.0 Wind 330 deg - No Ice | 63.33 | -18.05 | -31.22 | -2790.83 | 1612.70 | 1.30 |

| Load Combination | Vertical | Shear _x | Shear _z | Overturning Moment, M _x | Overturning Moment, M _z | Torque |
|--|----------|--------------------|--------------------|------------------------------------|------------------------------------|--------|
| | K | K | K | kip-ft | kip-ft | kip-ft |
| 0.9 Dead+1.0 Wind 330 deg - No Ice | 47.50 | -18.05 | -31.22 | -2764.52 | 1597.96 | 1.29 |
| 1.2 Dead+1.0 Ice+1.0 Temp | 90.77 | 0.00 | -0.00 | -1.68 | -2.04 | -0.00 |
| 1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp | 90.77 | -0.00 | -8.17 | -764.19 | -1.79 | 0.11 |
| 1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp | 90.77 | 4.09 | -7.07 | -661.87 | -383.55 | -0.12 |
| 1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp | 90.77 | 7.08 | -4.08 | -382.70 | -663.12 | -0.31 |
| 1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp | 90.77 | 8.18 | 0.00 | -1.48 | -765.58 | -0.42 |
| 1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp | 90.77 | 7.08 | 4.09 | 379.64 | -663.48 | -0.42 |
| 1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp | 90.77 | 4.14 | 7.16 | 662.81 | -386.65 | -0.32 |
| 1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp | 90.77 | 0.00 | 8.17 | 760.49 | -2.52 | -0.11 |
| 1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp | 90.77 | -4.09 | 7.07 | 658.17 | 379.24 | 0.12 |
| 1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp | 90.77 | -7.08 | 4.08 | 379.00 | 658.81 | 0.31 |
| 1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp | 90.77 | -8.18 | -0.00 | -2.21 | 761.27 | 0.42 |
| 1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp | 90.77 | -7.08 | -4.09 | -383.33 | 659.18 | 0.42 |
| 1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp | 90.77 | -4.14 | -7.16 | -666.51 | 382.35 | 0.32 |
| Dead+Wind 0 deg - Service | 52.77 | -0.00 | -8.25 | -753.41 | -0.80 | 0.11 |
| Dead+Wind 30 deg - Service | 52.77 | 4.13 | -7.15 | -652.54 | -377.93 | -0.11 |
| Dead+Wind 60 deg - Service | 52.77 | 7.33 | -4.23 | -382.63 | -664.34 | -0.30 |
| Dead+Wind 90 deg - Service | 52.77 | 8.41 | 0.00 | -0.12 | -760.66 | -0.41 |
| Dead+Wind 120 deg - Service | 52.77 | 7.31 | 4.22 | 381.77 | -663.94 | -0.41 |
| Dead+Wind 150 deg - Service | 52.77 | 4.32 | 7.48 | 664.01 | -385.72 | -0.31 |
| Dead+Wind 180 deg - Service | 52.77 | 0.00 | 8.25 | 752.27 | -1.69 | -0.11 |
| Dead+Wind 210 deg - Service | 52.77 | -4.13 | 7.15 | 651.40 | 375.45 | 0.11 |
| Dead+Wind 240 deg - Service | 52.77 | -7.33 | 4.23 | 381.49 | 661.86 | 0.30 |
| Dead+Wind 270 deg - Service | 52.77 | -8.41 | -0.00 | -1.01 | 758.18 | 0.41 |
| Dead+Wind 300 deg - Service | 52.77 | -7.31 | -4.22 | -382.91 | 661.46 | 0.41 |
| Dead+Wind 330 deg - Service | 52.77 | -4.32 | -7.48 | -665.15 | 383.24 | 0.31 |

Solution Summary

| Load Comb. | Sum of Applied Forces | | | Sum of Reactions | | | % Error |
|------------|-----------------------|---------|---------|------------------|---------|---------|---------|
| | PX K | PY K | PZ K | PX K | PY K | PZ K | |
| 1 | 0.00 | -52.77 | 0.00 | 0.00 | 52.77 | 0.00 | 0.000% |
| 2 | -0.01 | -63.33 | -34.43 | 0.01 | 63.33 | 34.43 | 0.000% |
| 3 | -0.01 | -47.50 | -34.43 | 0.01 | 47.50 | 34.43 | 0.000% |
| 4 | 17.24 | -63.33 | -29.84 | -17.24 | 63.33 | 29.84 | 0.000% |
| 5 | 17.24 | -47.50 | -29.84 | -17.24 | 47.50 | 29.84 | 0.000% |
| 6 | 30.61 | -63.33 | -17.65 | -30.61 | 63.33 | 17.65 | 0.000% |
| 7 | 30.61 | -47.50 | -17.65 | -30.61 | 47.50 | 17.65 | 0.000% |
| 8 | 35.12 | -63.33 | 0.01 | -35.12 | 63.33 | -0.01 | 0.000% |
| 9 | 35.12 | -47.50 | 0.01 | -35.12 | 47.50 | -0.01 | 0.000% |
| 10 | 30.52 | -63.33 | 17.61 | -30.52 | 63.33 | -17.61 | 0.000% |
| 11 | 30.52 | -47.50 | 17.61 | -30.52 | 47.50 | -17.61 | 0.000% |
| 12 | 18.05 | -63.33 | 31.22 | -18.05 | 63.33 | -31.22 | 0.000% |
| 13 | 18.05 | -47.50 | 31.22 | -18.05 | 47.50 | -31.22 | 0.000% |

| Load Comb. | Sum of Applied Forces | | | Sum of Reactions | | | % Error |
|------------|-----------------------|--------|--------|------------------|-------|--------|---------|
| | PX K | PY K | PZ K | PX K | PY K | PZ K | |
| 14 | 0.01 | -63.33 | 34.43 | -0.01 | 63.33 | -34.43 | 0.000% |
| 15 | 0.01 | -47.50 | 34.43 | -0.01 | 47.50 | -34.43 | 0.000% |
| 16 | -17.24 | -63.33 | 29.84 | 17.24 | 63.33 | -29.84 | 0.000% |
| 17 | -17.24 | -47.50 | 29.84 | 17.24 | 47.50 | -29.84 | 0.000% |
| 18 | -30.61 | -63.33 | 17.65 | 30.61 | 63.33 | -17.65 | 0.000% |
| 19 | -30.61 | -47.50 | 17.65 | 30.61 | 47.50 | -17.65 | 0.000% |
| 20 | -35.12 | -63.33 | -0.01 | 35.12 | 63.33 | 0.01 | 0.000% |
| 21 | -35.12 | -47.50 | -0.01 | 35.12 | 47.50 | 0.01 | 0.000% |
| 22 | -30.52 | -63.33 | -17.61 | 30.52 | 63.33 | 17.61 | 0.000% |
| 23 | -30.52 | -47.50 | -17.61 | 30.52 | 47.50 | 17.61 | 0.000% |
| 24 | -18.05 | -63.33 | -31.22 | 18.05 | 63.33 | 31.22 | 0.000% |
| 25 | -18.05 | -47.50 | -31.22 | 18.05 | 47.50 | 31.22 | 0.000% |
| 26 | 0.00 | -90.77 | 0.00 | -0.00 | 90.77 | 0.00 | 0.000% |
| 27 | -0.00 | -90.77 | -8.17 | 0.00 | 90.77 | 8.17 | 0.000% |
| 28 | 4.09 | -90.77 | -7.07 | -4.09 | 90.77 | 7.07 | 0.000% |
| 29 | 7.08 | -90.77 | -4.08 | -7.08 | 90.77 | 4.08 | 0.000% |
| 30 | 8.18 | -90.77 | 0.00 | -8.18 | 90.77 | -0.00 | 0.000% |
| 31 | 7.08 | -90.77 | 4.09 | -7.08 | 90.77 | -4.09 | 0.000% |
| 32 | 4.14 | -90.77 | 7.16 | -4.14 | 90.77 | -7.16 | 0.000% |
| 33 | 0.00 | -90.77 | 8.17 | -0.00 | 90.77 | -8.17 | 0.000% |
| 34 | -4.09 | -90.77 | 7.07 | 4.09 | 90.77 | -7.07 | 0.000% |
| 35 | -7.08 | -90.77 | 4.08 | 7.08 | 90.77 | -4.08 | 0.000% |
| 36 | -8.18 | -90.77 | -0.00 | 8.18 | 90.77 | 0.00 | 0.000% |
| 37 | -7.08 | -90.77 | -4.09 | 7.08 | 90.77 | 4.09 | 0.000% |
| 38 | -4.14 | -90.77 | -7.16 | 4.14 | 90.77 | 7.16 | 0.000% |
| 39 | -0.00 | -52.77 | -8.25 | 0.00 | 52.77 | 8.25 | 0.000% |
| 40 | 4.13 | -52.77 | -7.15 | -4.13 | 52.77 | 7.15 | 0.000% |
| 41 | 7.33 | -52.77 | -4.23 | -7.33 | 52.77 | 4.23 | 0.000% |
| 42 | 8.41 | -52.77 | 0.00 | -8.41 | 52.77 | -0.00 | 0.000% |
| 43 | 7.31 | -52.77 | 4.22 | -7.31 | 52.77 | -4.22 | 0.000% |
| 44 | 4.32 | -52.77 | 7.48 | -4.32 | 52.77 | -7.48 | 0.000% |
| 45 | 0.00 | -52.77 | 8.25 | -0.00 | 52.77 | -8.25 | 0.000% |
| 46 | -4.13 | -52.77 | 7.15 | 4.13 | 52.77 | -7.15 | 0.000% |
| 47 | -7.33 | -52.77 | 4.23 | 7.33 | 52.77 | -4.23 | 0.000% |
| 48 | -8.41 | -52.77 | -0.00 | 8.41 | 52.77 | 0.00 | 0.000% |
| 49 | -7.31 | -52.77 | -4.22 | 7.31 | 52.77 | 4.22 | 0.000% |
| 50 | -4.32 | -52.77 | -7.48 | 4.32 | 52.77 | 7.48 | 0.000% |

Non-Linear Convergence Results

| Load Combination | Converged? | Number of Cycles | Displacement Tolerance | Force Tolerance |
|------------------|------------|------------------|------------------------|-----------------|
| 1 | Yes | 4 | 0.00000001 | 0.00000001 |
| 2 | Yes | 5 | 0.00000001 | 0.00021478 |
| 3 | Yes | 5 | 0.00000001 | 0.00009001 |
| 4 | Yes | 6 | 0.00000001 | 0.00035917 |
| 5 | Yes | 6 | 0.00000001 | 0.00012583 |
| 6 | Yes | 6 | 0.00000001 | 0.00038130 |
| 7 | Yes | 6 | 0.00000001 | 0.00013343 |
| 8 | Yes | 5 | 0.00000001 | 0.00056248 |
| 9 | Yes | 5 | 0.00000001 | 0.00026964 |
| 10 | Yes | 6 | 0.00000001 | 0.00035958 |
| 11 | Yes | 6 | 0.00000001 | 0.00012546 |
| 12 | Yes | 6 | 0.00000001 | 0.00037865 |
| 13 | Yes | 6 | 0.00000001 | 0.00013254 |
| 14 | Yes | 5 | 0.00000001 | 0.00023234 |
| 15 | Yes | 5 | 0.00000001 | 0.00009976 |
| 16 | Yes | 6 | 0.00000001 | 0.00036432 |
| 17 | Yes | 6 | 0.00000001 | 0.00012795 |
| 18 | Yes | 6 | 0.00000001 | 0.00036113 |
| 19 | Yes | 6 | 0.00000001 | 0.00012613 |
| 20 | Yes | 5 | 0.00000001 | 0.00058762 |
| 21 | Yes | 5 | 0.00000001 | 0.00028208 |
| 22 | Yes | 6 | 0.00000001 | 0.00038497 |
| 23 | Yes | 6 | 0.00000001 | 0.00013485 |

| | | | | |
|----|-----|---|------------|------------|
| 24 | Yes | 6 | 0.00000001 | 0.00036030 |
| 25 | Yes | 6 | 0.00000001 | 0.00012570 |
| 26 | Yes | 4 | 0.00000001 | 0.00003614 |
| 27 | Yes | 6 | 0.00000001 | 0.00022117 |
| 28 | Yes | 6 | 0.00000001 | 0.00024447 |
| 29 | Yes | 6 | 0.00000001 | 0.00024501 |
| 30 | Yes | 6 | 0.00000001 | 0.00022112 |
| 31 | Yes | 6 | 0.00000001 | 0.00024250 |
| 32 | Yes | 6 | 0.00000001 | 0.00024357 |
| 33 | Yes | 6 | 0.00000001 | 0.00021854 |
| 34 | Yes | 6 | 0.00000001 | 0.00024072 |
| 35 | Yes | 6 | 0.00000001 | 0.00024062 |
| 36 | Yes | 6 | 0.00000001 | 0.00021954 |
| 37 | Yes | 6 | 0.00000001 | 0.00024392 |
| 38 | Yes | 6 | 0.00000001 | 0.00024429 |
| 39 | Yes | 4 | 0.00000001 | 0.00081838 |
| 40 | Yes | 5 | 0.00000001 | 0.00012579 |
| 41 | Yes | 5 | 0.00000001 | 0.00014218 |
| 42 | Yes | 5 | 0.00000001 | 0.00004211 |
| 43 | Yes | 5 | 0.00000001 | 0.00012257 |
| 44 | Yes | 5 | 0.00000001 | 0.00014078 |
| 45 | Yes | 4 | 0.00000001 | 0.00081662 |
| 46 | Yes | 5 | 0.00000001 | 0.00012990 |
| 47 | Yes | 5 | 0.00000001 | 0.00012337 |
| 48 | Yes | 5 | 0.00000001 | 0.00004219 |
| 49 | Yes | 5 | 0.00000001 | 0.00014574 |
| 50 | Yes | 5 | 0.00000001 | 0.00012391 |

Maximum Tower Deflections - Service Wind

| Section No. | Elevation ft | Horz. Deflection in | Gov. Load Comb. | Tilt ° | Twist ° |
|-------------|-----------------|---------------------------|-----------------------|-----------|------------|
| L1 | 120 - 115 | 12.375 | 41 | 0.8758 | 0.0020 |
| L2 | 115 - 110 | 11.461 | 41 | 0.8694 | 0.0020 |
| L3 | 110 - 105 | 10.557 | 41 | 0.8552 | 0.0018 |
| L4 | 105 - 100 | 9.673 | 41 | 0.8306 | 0.0016 |
| L5 | 100 - 99.25 | 8.822 | 41 | 0.7937 | 0.0014 |
| L6 | 99.25 - 99 | 8.698 | 41 | 0.7872 | 0.0014 |
| L7 | 99 - 94 | 8.657 | 41 | 0.7857 | 0.0014 |
| L8 | 94 - 90.08 | 7.852 | 41 | 0.7497 | 0.0012 |
| L9 | 90.08 - 89.83 | 7.252 | 41 | 0.7108 | 0.0010 |
| L10 | 89.83 - 89.5 | 7.215 | 41 | 0.7091 | 0.0010 |
| L11 | 89.5 - 89.25 | 7.166 | 41 | 0.7069 | 0.0010 |
| L12 | 89.25 - 84.25 | 7.129 | 41 | 0.7057 | 0.0010 |
| L13 | 84.25 - 78 | 6.404 | 41 | 0.6786 | 0.0009 |
| L14 | 81.75 - 77 | 6.052 | 41 | 0.6637 | 0.0009 |
| L15 | 77 - 76.75 | 5.399 | 41 | 0.6468 | 0.0008 |
| L16 | 76.75 - 76.5 | 5.366 | 41 | 0.6454 | 0.0008 |
| L17 | 76.5 - 75.5 | 5.332 | 41 | 0.6441 | 0.0008 |
| L18 | 75.5 - 75.25 | 5.197 | 41 | 0.6388 | 0.0008 |
| L19 | 75.25 - 74.5 | 5.164 | 41 | 0.6371 | 0.0008 |
| L20 | 74.5 - 74.25 | 5.064 | 41 | 0.6321 | 0.0008 |
| L21 | 74.25 - 72 | 5.031 | 41 | 0.6306 | 0.0008 |
| L22 | 72 - 71.75 | 4.738 | 41 | 0.6163 | 0.0008 |
| L23 | 71.75 - 70.5 | 4.705 | 41 | 0.6145 | 0.0007 |
| L24 | 70.5 - 70.25 | 4.546 | 41 | 0.6059 | 0.0007 |
| L25 | 70.25 - 70 | 4.514 | 41 | 0.6042 | 0.0007 |
| L26 | 70 - 69.75 | 4.482 | 41 | 0.6024 | 0.0007 |
| L27 | 69.75 - 69.5 | 4.451 | 41 | 0.6006 | 0.0007 |
| L28 | 69.5 - 69.25 | 4.419 | 41 | 0.5990 | 0.0007 |
| L29 | 69.25 - 64.25 | 4.388 | 41 | 0.5972 | 0.0007 |
| L30 | 64.25 - 59.25 | 3.782 | 41 | 0.5596 | 0.0006 |
| L31 | 59.25 - 56 | 3.217 | 41 | 0.5193 | 0.0006 |
| L32 | 56 - 55.75 | 2.873 | 41 | 0.4926 | 0.0005 |
| L33 | 55.75 - 55.5 | 2.847 | 41 | 0.4908 | 0.0005 |
| L34 | 55.5 - 55.25 | 2.821 | 41 | 0.4890 | 0.0005 |
| L35 | 55.25 - 54 | 2.796 | 41 | 0.4873 | 0.0005 |

| Section No. | Elevation ft | Horz. Deflection in | Gov. Load Comb. | Tilt ° | Twist ° |
|-------------|-----------------|------------------------|-----------------|-----------|------------|
| L36 | 54 - 53.75 | 2.669 | 41 | 0.4788 | 0.0005 |
| L37 | 53.75 - 53.5 | 2.644 | 41 | 0.4768 | 0.0005 |
| L38 | 53.5 - 53.25 | 2.619 | 41 | 0.4748 | 0.0005 |
| L39 | 53.25 - 53 | 2.595 | 41 | 0.4726 | 0.0005 |
| L40 | 53 - 48 | 2.570 | 41 | 0.4701 | 0.0005 |
| L41 | 48 - 39.75 | 2.104 | 41 | 0.4196 | 0.0004 |
| L42 | 44.5 - 38.75 | 1.810 | 41 | 0.3839 | 0.0004 |
| L43 | 38.75 - 34.75 | 1.365 | 41 | 0.3506 | 0.0003 |
| L44 | 34.75 - 34.5 | 1.087 | 41 | 0.3120 | 0.0003 |
| L45 | 34.5 - 33.75 | 1.071 | 41 | 0.3100 | 0.0003 |
| L46 | 33.75 - 33.5 | 1.023 | 41 | 0.3042 | 0.0003 |
| L47 | 33.5 - 28.5 | 1.007 | 41 | 0.3016 | 0.0003 |
| L48 | 28.5 - 24 | 0.718 | 41 | 0.2497 | 0.0002 |
| L49 | 24 - 23.75 | 0.503 | 50 | 0.2065 | 0.0002 |
| L50 | 23.75 - 18.75 | 0.493 | 50 | 0.2043 | 0.0002 |
| L51 | 18.75 - 14.25 | 0.303 | 50 | 0.1582 | 0.0001 |
| L52 | 14.25 - 14 | 0.173 | 50 | 0.1164 | 0.0001 |
| L53 | 14 - 9 | 0.167 | 50 | 0.1144 | 0.0001 |
| L54 | 9 - 5 | 0.069 | 44 | 0.0734 | 0.0001 |
| L55 | 5 - 4.75 | 0.021 | 44 | 0.0405 | 0.0000 |
| L56 | 4.75 - 4.5 | 0.019 | 44 | 0.0387 | 0.0000 |
| L57 | 4.5 - 0 | 0.017 | 44 | 0.0367 | 0.0000 |

Critical Deflections and Radius of Curvature - Service Wind

| Elevation ft | Appurtenance | Gov. Load Comb. | Deflection in | Tilt ° | Twist ° | Radius of Curvature ft |
|-----------------|-----------------------------|-----------------|------------------|-----------|------------|---------------------------|
| 122.00 | VV-65B-R1_TMO w/ Mount Pipe | 41 | 12.375 | 0.8758 | 0.0020 | 28040 |
| 113.00 | MT6407-77A w/ Mount Pipe | 41 | 11.097 | 0.8649 | 0.0019 | 20674 |
| 105.00 | AIR 3246 B66 w/ Mount Pipe | 41 | 9.673 | 0.8306 | 0.0016 | 9379 |
| 99.00 | Miscellaneous [NA 507-1] | 41 | 8.657 | 0.7857 | 0.0014 | 7718 |
| 97.00 | AIR 6419 B77G w/ Mount Pipe | 41 | 8.330 | 0.7734 | 0.0013 | 7614 |
| 96.00 | 80010965 w/ Mount Pipe | 41 | 8.169 | 0.7666 | 0.0013 | 7371 |
| 86.00 | MX08FRO665-21 w/ Mount Pipe | 41 | 6.654 | 0.6892 | 0.0010 | 10180 |
| 75.00 | ACUTIME 2000 | 41 | 5.131 | 0.6354 | 0.0008 | 9845 |

Maximum Tower Deflections - Design Wind

| Section No. | Elevation ft | Horz. Deflection in | Gov. Load Comb. | Tilt ° | Twist ° |
|-------------|-----------------|------------------------|-----------------|-----------|------------|
| L1 | 120 - 115 | 51.889 | 6 | 3.6727 | 0.0083 |
| L2 | 115 - 110 | 48.060 | 6 | 3.6458 | 0.0083 |
| L3 | 110 - 105 | 44.275 | 6 | 3.5870 | 0.0077 |
| L4 | 105 - 100 | 40.573 | 6 | 3.4850 | 0.0067 |
| L5 | 100 - 99.25 | 37.005 | 6 | 3.3306 | 0.0058 |
| L6 | 99.25 - 99 | 36.484 | 6 | 3.3035 | 0.0057 |
| L7 | 99 - 94 | 36.311 | 6 | 3.2969 | 0.0057 |
| L8 | 94 - 90.08 | 32.938 | 6 | 3.1463 | 0.0050 |
| L9 | 90.08 - 89.83 | 30.422 | 6 | 2.9830 | 0.0043 |
| L10 | 89.83 - 89.5 | 30.267 | 6 | 2.9761 | 0.0043 |
| L11 | 89.5 - 89.25 | 30.061 | 6 | 2.9668 | 0.0042 |
| L12 | 89.25 - 84.25 | 29.906 | 6 | 2.9617 | 0.0042 |
| L13 | 84.25 - 78 | 26.865 | 6 | 2.8480 | 0.0038 |
| L14 | 81.75 - 77 | 25.391 | 6 | 2.7856 | 0.0036 |
| L15 | 77 - 76.75 | 22.652 | 6 | 2.7149 | 0.0034 |
| L16 | 76.75 - 76.5 | 22.510 | 6 | 2.7088 | 0.0034 |
| L17 | 76.5 - 75.5 | 22.369 | 6 | 2.7032 | 0.0034 |
| L18 | 75.5 - 75.25 | 21.805 | 6 | 2.6811 | 0.0033 |
| L19 | 75.25 - 74.5 | 21.665 | 6 | 2.6741 | 0.0033 |

| Section No. | Elevation ft | Horz. Deflection in | Gov. Load Comb. | Tilt ° | Twist ° |
|-------------|-----------------|---------------------------|-----------------------|-----------|------------|
| L20 | 74.5 - 74.25 | 21.247 | 6 | 2.6532 | 0.0033 |
| L21 | 74.25 - 72 | 21.108 | 6 | 2.6467 | 0.0033 |
| L22 | 72 - 71.75 | 19.876 | 6 | 2.5866 | 0.0031 |
| L23 | 71.75 - 70.5 | 19.741 | 6 | 2.5793 | 0.0031 |
| L24 | 70.5 - 70.25 | 19.070 | 6 | 2.5430 | 0.0030 |
| L25 | 70.25 - 70 | 18.938 | 6 | 2.5358 | 0.0030 |
| L26 | 70 - 69.75 | 18.805 | 6 | 2.5286 | 0.0030 |
| L27 | 69.75 - 69.5 | 18.673 | 6 | 2.5208 | 0.0030 |
| L28 | 69.5 - 69.25 | 18.541 | 6 | 2.5143 | 0.0029 |
| L29 | 69.25 - 64.25 | 18.410 | 6 | 2.5067 | 0.0029 |
| L30 | 64.25 - 59.25 | 15.868 | 6 | 2.3487 | 0.0026 |
| L31 | 59.25 - 56 | 13.498 | 6 | 2.1798 | 0.0023 |
| L32 | 56 - 55.75 | 12.053 | 6 | 2.0677 | 0.0021 |
| L33 | 55.75 - 55.5 | 11.945 | 6 | 2.0600 | 0.0021 |
| L34 | 55.5 - 55.25 | 11.837 | 6 | 2.0523 | 0.0021 |
| L35 | 55.25 - 54 | 11.730 | 6 | 2.0452 | 0.0021 |
| L36 | 54 - 53.75 | 11.199 | 6 | 2.0095 | 0.0020 |
| L37 | 53.75 - 53.5 | 11.094 | 6 | 2.0012 | 0.0020 |
| L38 | 53.5 - 53.25 | 10.990 | 6 | 1.9927 | 0.0020 |
| L39 | 53.25 - 53 | 10.886 | 6 | 1.9834 | 0.0020 |
| L40 | 53 - 48 | 10.782 | 6 | 1.9731 | 0.0020 |
| L41 | 48 - 39.75 | 8.827 | 6 | 1.7609 | 0.0017 |
| L42 | 44.5 - 38.75 | 7.592 | 24 | 1.6110 | 0.0015 |
| L43 | 38.75 - 34.75 | 5.728 | 24 | 1.4713 | 0.0013 |
| L44 | 34.75 - 34.5 | 4.564 | 24 | 1.3092 | 0.0011 |
| L45 | 34.5 - 33.75 | 4.496 | 24 | 1.3009 | 0.0011 |
| L46 | 33.75 - 33.5 | 4.293 | 24 | 1.2764 | 0.0011 |
| L47 | 33.5 - 28.5 | 4.227 | 24 | 1.2657 | 0.0011 |
| L48 | 28.5 - 24 | 3.016 | 24 | 1.0479 | 0.0009 |
| L49 | 24 - 23.75 | 2.114 | 24 | 0.8670 | 0.0007 |
| L50 | 23.75 - 18.75 | 2.068 | 24 | 0.8575 | 0.0007 |
| L51 | 18.75 - 14.25 | 1.272 | 24 | 0.6645 | 0.0005 |
| L52 | 14.25 - 14 | 0.728 | 24 | 0.4890 | 0.0004 |
| L53 | 14 - 9 | 0.703 | 24 | 0.4805 | 0.0004 |
| L54 | 9 - 5 | 0.290 | 12 | 0.3084 | 0.0002 |
| L55 | 5 - 4.75 | 0.090 | 12 | 0.1699 | 0.0001 |
| L56 | 4.75 - 4.5 | 0.081 | 12 | 0.1627 | 0.0001 |
| L57 | 4.5 - 0 | 0.073 | 12 | 0.1541 | 0.0001 |

Critical Deflections and Radius of Curvature - Design Wind

| Elevation ft | Appurtenance | Gov. Load Comb. | Deflection in | Tilt ° | Twist ° | Radius of Curvature ft |
|-----------------|-----------------------------|-----------------------|------------------|-----------|------------|------------------------------|
| 122.00 | VV-65B-R1_TMO w/ Mount Pipe | 6 | 51.889 | 3.6727 | 0.0083 | 6756 |
| 113.00 | MT6407-77A w/ Mount Pipe | 6 | 46.538 | 3.6271 | 0.0081 | 5012 |
| 105.00 | AIR 3246 B66 w/ Mount Pipe | 6 | 40.573 | 3.4850 | 0.0067 | 2264 |
| 99.00 | Miscellaneous [NA 507-1] | 6 | 36.311 | 3.2969 | 0.0057 | 1853 |
| 97.00 | AIR 6419 B77G w/ Mount Pipe | 6 | 34.943 | 3.2457 | 0.0054 | 1827 |
| 96.00 | 80010965 w/ Mount Pipe | 6 | 34.268 | 3.2171 | 0.0053 | 1769 |
| 86.00 | MX08FRO665-21 w/ Mount Pipe | 6 | 27.916 | 2.8924 | 0.0040 | 2439 |
| 75.00 | ACUTIME 2000 | 6 | 21.525 | 2.6670 | 0.0033 | 2356 |

Compression Checks

Pole Design Data

| Section No. | Elevation ft | Size | L ft | L _u ft | KI/r | A in ² | P _u K | φP _n K | Ratio P _u / φP _n |
|-------------|-----------------------|------------------------------|---------|----------------------|------|----------------------|---------------------|----------------------|--|
| L1 | 120 - 115 (1) | TP23.0102x22x0.25 | 5.00 | 0.00 | 0.0 | 18.322 0 | -4.99 | 989.39 | 0.005 |
| L2 | 115 - 110 (2) | TP24.0205x23.0102x0.25 | 5.00 | 0.00 | 0.0 | 19.135 2 | -9.27 | 1033.30 | 0.009 |
| L3 | 110 - 105 (3) | TP25.0307x24.0205x0.25 | 5.00 | 0.00 | 0.0 | 19.948 5 | -9.71 | 1077.22 | 0.009 |
| L4 | 105 - 100 (4) | TP26.041x25.0307x0.25 | 5.00 | 0.00 | 0.0 | 20.761 7 | -15.25 | 1121.13 | 0.014 |
| L5 | 100 - 99.25 (5) | TP26.1925x26.041x0.25 | 0.75 | 0.00 | 0.0 | 20.883 7 | -15.33 | 1127.72 | 0.014 |
| L6 | 99.25 - 99 (6) | TP26.243x26.1925x0.356 3 | 0.25 | 0.00 | 0.0 | 29.695 3 | -15.37 | 1603.55 | 0.010 |
| L7 | 99 - 94 (7) | TP27.2532x26.243x0.356 3 | 5.00 | 0.00 | 0.0 | 30.854 2 | -20.81 | 1666.13 | 0.012 |
| L8 | 94 - 90.08 (8) | TP28.0453x27.2532x0.31 25 | 3.92 | 0.00 | 0.0 | 27.906 1 | -21.47 | 1506.93 | 0.014 |
| L9 | 90.08 - 89.83 (9) | TP28.0958x28.0453x0.51 25 | 0.25 | 0.00 | 0.0 | 45.519 3 | -21.53 | 2458.04 | 0.009 |
| L10 | 89.83 - 89.5 (10) | TP28.1625x28.0958x0.51 25 | 0.33 | 0.00 | 0.0 | 45.629 3 | -21.61 | 2463.98 | 0.009 |
| L11 | 89.5 - 89.25 (11) | TP28.213x28.1625x0.725 | 0.25 | 0.00 | 0.0 | 64.170 7 | -21.67 | 3465.22 | 0.006 |
| L12 | 89.25 - 84.25 (12) | TP29.2232x28.213x0.7 | 5.00 | 0.00 | 0.0 | 64.291 3 | -26.11 | 3471.73 | 0.008 |
| L13 | 84.25 - 78 (13) | TP30.486x29.2232x0.7 | 6.25 | 0.00 | 0.0 | 65.429 8 | -26.80 | 3533.21 | 0.008 |
| L14 | 78 - 77 (14) | TP30.188x29.2283x0.862 5 | 4.75 | 0.00 | 0.0 | 81.444 3 | -29.43 | 4397.99 | 0.007 |
| L15 | 77 - 76.75 (15) | TP30.2385x30.188x0.862 5 | 0.25 | 0.00 | 0.0 | 81.584 6 | -29.53 | 4405.57 | 0.007 |
| L16 | 76.75 - 76.5 (16) | TP30.289x30.2385x0.962 5 | 0.25 | 0.00 | 0.0 | 90.890 3 | -29.62 | 4908.07 | 0.006 |
| L17 | 76.5 - 75.5 (17) | TP30.4911x30.289x0.962 5 | 1.00 | 0.00 | 0.0 | 91.516 4 | -30.01 | 4941.89 | 0.006 |
| L18 | 75.5 - 75.25 (18) | TP30.5416x30.4911x0.76 25 | 0.25 | 0.00 | 0.0 | 73.115 1 | -30.10 | 3948.21 | 0.008 |
| L19 | 75.25 - 74.5 (19) | TP30.6931x30.5416x0.76 25 | 0.75 | 0.00 | 0.0 | 73.487 1 | -30.43 | 3968.31 | 0.008 |
| L20 | 74.5 - 74.25 (20) | TP30.7436x30.6931x0.83 75 | 0.25 | 0.00 | 0.0 | 80.649 3 | -30.52 | 4355.06 | 0.007 |
| L21 | 74.25 - 72 (21) | TP31.1982x30.7436x0.82 5 | 2.25 | 0.00 | 0.0 | 80.686 4 | -31.26 | 4357.07 | 0.007 |
| L22 | 72 - 71.75 (22) | TP31.2487x31.1982x0.76 25 | 0.25 | 0.00 | 0.0 | 74.851 3 | -31.35 | 4041.97 | 0.008 |
| L23 | 71.75 - 70.5 (23) | TP31.5013x31.2487x0.76 25 | 1.25 | 0.00 | 0.0 | 75.471 4 | -31.81 | 4075.45 | 0.008 |
| L24 | 70.5 - 70.25 (24) | TP31.5518x31.5013x0.78 75 | 0.25 | 0.00 | 0.0 | 78.010 5 | -31.91 | 4212.57 | 0.008 |
| L25 | 70.25 - 70 (25) | TP31.6023x31.5518x0.78 75 | 0.25 | 0.00 | 0.0 | 78.138 6 | -32.01 | 4219.48 | 0.008 |
| L26 | 70 - 69.75 (26) | TP31.6528x31.6023x0.72 5 | 0.25 | 0.00 | 0.0 | 72.201 0 | -32.10 | 3898.85 | 0.008 |
| L27 | 69.75 - 69.5 (27) | TP31.7033x31.6528x0.87 5 | 0.25 | 0.00 | 0.0 | 86.858 8 | -32.20 | 4690.37 | 0.007 |
| L28 | 69.5 - 69.25 (28) | TP31.7538x31.7033x0.75 | 0.25 | 0.00 | 0.0 | 74.874 2 | -32.28 | 4043.21 | 0.008 |
| L29 | 69.25 - 64.25 (29) | TP32.764x31.7538x0.737 5 | 5.00 | 0.00 | 0.0 | 76.055 0 | -33.98 | 4106.97 | 0.008 |
| L30 | 64.25 - 59.25 (30) | TP33.7742x32.764x0.712 5 | 5.00 | 0.00 | 0.0 | 75.851 9 | -35.71 | 4096.00 | 0.009 |
| L31 | 59.25 - 56 (31) | TP34.4309x33.7742x0.71 25 | 3.25 | 0.00 | 0.0 | 77.358 3 | -36.86 | 4177.35 | 0.009 |
| L32 | 56 - 55.75 (32) | TP34.4814x34.4309x0.81 25 | 0.25 | 0.00 | 0.0 | 88.086 2 | -36.98 | 4756.65 | 0.008 |
| L33 | 55.75 - 55.5 (33) | TP34.5319x34.4814x0.81 25 | 0.25 | 0.00 | 0.0 | 88.218 3 | -37.09 | 4763.79 | 0.008 |
| L34 | 55.5 - 55.25 (34) | TP34.5824x34.5319x0.88 75 | 0.25 | 0.00 | 0.0 | 96.291 5 | -37.21 | 5199.74 | 0.007 |
| L35 | 55.25 - 54 | TP34.8349x34.5824x0.87 | 1.25 | 0.00 | 0.0 | 95.682 | -37.80 | 5166.83 | 0.007 |

| Section No. | Elevation ft | Size | L ft | L _u ft | Kl/r | A in ² | P _u K | φP _n K | Ratio P _u / φP _n |
|-------------|-------------------------|---------------------------------|---------|----------------------|------|----------------------|---------------------|----------------------|--|
| L36 | (35) 54 - 53.75 | 5 TP34.8854x34.8349x0.75 | 0.25 | 0.00 | 0.0 | 82.437 | -37.92 | 4451.60 | 0.009 |
| L37 | (36) 53.75 - 53.5 | 5 TP34.936x34.8854x0.737 | 0.25 | 0.00 | 0.0 | 81.212 | -38.03 | 4385.49 | 0.009 |
| L38 | (37) 53.5 - 53.25 | 5 TP34.9865x34.936x0.662 | 0.25 | 0.00 | 0.0 | 73.221 | -38.14 | 3953.97 | 0.010 |
| L39 | (38) 53.25 - 53 | 5 TP35.037x34.9865x0.6 | 0.25 | 0.00 | 0.0 | 66.532 | -38.23 | 3592.74 | 0.011 |
| L40 | (39) 53 - 48 (40) | 5 TP36.0472x35.037x0.587 | 5.00 | 0.00 | 0.0 | 67.080 | -40.21 | 3622.36 | 0.011 |
| L41 | (41) 48 - 39.75 | 5 TP37.714x36.0472x0.587 | 8.25 | 0.00 | 0.0 | 68.418 | -41.62 | 3694.60 | 0.011 |
| L42 | (42) 39.75 - 38.75 | 5 TP37.291x36.1293x0.662 | 5.75 | 0.00 | 0.0 | 78.137 | -45.38 | 4219.44 | 0.011 |
| L43 | (43) 38.75 - 34.75 | 5 TP38.0992x37.291x0.662 | 4.00 | 0.00 | 0.0 | 79.861 | -47.04 | 4312.54 | 0.011 |
| L44 | (44) 34.75 - 34.5 | 5 TP38.1497x38.0992x0.82 | 0.25 | 0.00 | 0.0 | 99.153 | -47.17 | 5354.26 | 0.009 |
| L45 | (45) 34.5 - 33.75 | 5 TP38.3012x38.1497x0.82 | 0.75 | 0.00 | 0.0 | 99.555 | -47.54 | 5376.00 | 0.009 |
| L46 | (46) 33.75 - 33.5 | 5 TP38.3517x38.3012x0.62 | 0.25 | 0.00 | 0.0 | 75.925 | -47.65 | 4099.95 | 0.012 |
| L47 | (47) 33.5 - 28.5 | 25 TP39.3619x38.3517x0.61 | 5.00 | 0.00 | 0.0 | 76.423 | -49.74 | 4126.87 | 0.012 |
| L48 | (48) 28.5 - 24 (48) | 25 TP40.2711x39.3619x0.66 | 4.50 | 0.00 | 0.0 | 84.495 | -51.66 | 4562.73 | 0.011 |
| L49 | (49) 24 - 23.75 | 0.7 TP40.3216x40.2711x0.7 | 0.25 | 0.00 | 0.0 | 89.307 | -51.78 | 4822.58 | 0.011 |
| L50 | (50) 23.75 - 18.75 | 75 TP41.3318x40.3216x0.68 | 5.00 | 0.00 | 0.0 | 89.976 | -54.02 | 4858.72 | 0.011 |
| L51 | (51) 18.75 - 14.25 | 6.75 TP42.241x41.3318x0.675 | 4.50 | 0.00 | 0.0 | 90.343 | -56.06 | 4878.56 | 0.011 |
| L52 | (52) 14.25 - 14 | 0.775 TP42.2915x42.241x0.775 | 0.25 | 0.00 | 0.0 | 103.60 | -56.20 | 5594.63 | 0.010 |
| L53 | (53) 14 - 9 (53) | 0.76 TP43.3017x42.2915x0.76 | 5.00 | 0.00 | 0.0 | 104.44 | -58.72 | 5639.99 | 0.010 |
| L54 | (54) 9 - 5 (54) | 0.75 TP44.1098x43.3017x0.75 | 4.00 | 0.00 | 0.0 | 104.71 | -60.69 | 5654.55 | 0.011 |
| L55 | (55) 5 - 4.75 (55) | 0.9 TP44.1603x44.1098x0.9 | 0.25 | 0.00 | 0.0 | 125.36 | -60.84 | 6769.89 | 0.009 |
| L56 | (56) 4.75 - 4.5 (56) | 0.75 TP44.2108x44.1603x0.75 | 0.25 | 0.00 | 0.0 | 104.95 | -60.97 | 5667.73 | 0.011 |
| L57 | (57) 4.5 - 0 (57) | 0.75 TP45.12x44.2108x0.75 | 4.50 | 0.00 | 0.0 | 107.15 | -63.32 | 5786.29 | 0.011 |

Pole Bending Design Data

| Section No. | Elevation ft | Size | M _{ux} kip-ft | φM _{nx} kip-ft | Ratio M _{ux} / φM _{nx} | M _{uy} kip-ft | φM _{ny} kip-ft | Ratio M _{uy} / φM _{ny} |
|-------------|--------------------------|------------------------------|---------------------------|----------------------------|--|---------------------------|----------------------------|--|
| L1 | 120 - 115 (1) | TP23.0102x22x0.25 | 36.80 | 564.83 | 0.065 | 0.00 | 564.83 | 0.000 |
| L2 | 115 - 110 (2) | TP24.0205x23.0102x0.25 | 78.05 | 607.66 | 0.128 | 0.00 | 607.66 | 0.000 |
| L3 | 110 - 105 (3) | TP25.0307x24.0205x0.25 | 134.53 | 651.21 | 0.207 | 0.00 | 651.21 | 0.000 |
| L4 | 105 - 100 (4) | TP26.041x25.0307x0.25 | 221.70 | 695.40 | 0.319 | 0.00 | 695.40 | 0.000 |
| L5 | (5) 100 - 99.25 | TP26.1925x26.041x0.25 | 234.08 | 702.08 | 0.333 | 0.00 | 702.08 | 0.000 |
| L6 | (6) 99.25 - 99 | 3 TP26.243x26.1925x0.356 | 238.22 | 1059.43 | 0.225 | 0.00 | 1059.43 | 0.000 |
| L7 | (7) 99 - 94 (7) | 3 TP27.2532x26.243x0.356 | 340.78 | 1144.31 | 0.298 | 0.00 | 1144.31 | 0.000 |
| L8 | (8) 94 - 90.08 (8) | 25 TP28.0453x27.2532x0.31 | 429.45 | 1056.37 | 0.407 | 0.00 | 1056.37 | 0.000 |
| L9 | (9) 90.08 - 89.83 (9) | 25 TP28.0958x28.0453x0.51 | 435.16 | 1722.21 | 0.253 | 0.00 | 1722.21 | 0.000 |

| Section No. | Elevation ft | Size | M_{ux} kip-ft | ϕM_{nx} kip-ft | Ratio $\frac{M_{ux}}{\phi M_{nx}}$ | M_{uy} kip-ft | ϕM_{ny} kip-ft | Ratio $\frac{M_{uy}}{\phi M_{ny}}$ |
|-------------|-----------------------|------------------------------|--------------------|-------------------------|---------------------------------------|--------------------|-------------------------|---------------------------------------|
| L10 | 89.83 - 89.5 (10) | TP28.1625x28.0958x0.51 25 | 442.70 | 1730.62 | 0.256 | 0.00 | 1730.62 | 0.000 |
| L11 | 89.5 - 89.25 (11) | TP28.213x28.1625x0.725 | 448.42 | 2401.11 | 0.187 | 0.00 | 2401.11 | 0.000 |
| L12 | 89.25 - 84.25 (12) | TP29.2232x28.213x0.7 | 569.87 | 2500.69 | 0.228 | 0.00 | 2500.69 | 0.000 |
| L13 | 84.25 - 78 (13) | TP30.486x29.2232x0.7 | 636.66 | 2591.13 | 0.246 | 0.00 | 2591.13 | 0.000 |
| L14 | 78 - 77 (14) | TP30.188x29.2283x0.862 5 | 765.85 | 3241.57 | 0.236 | 0.00 | 3241.57 | 0.000 |
| L15 | 77 - 76.75 (15) | TP30.2385x30.188x0.862 5 | 772.74 | 3252.92 | 0.238 | 0.00 | 3252.92 | 0.000 |
| L16 | 76.75 - 76.5 (16) | TP30.289x30.2385x0.962 5 | 779.63 | 3605.72 | 0.216 | 0.00 | 3605.72 | 0.000 |
| L17 | 76.5 - 75.5 (17) | TP30.4911x30.289x0.962 5 | 807.29 | 3656.38 | 0.221 | 0.00 | 3656.38 | 0.000 |
| L18 | 75.5 - 75.25 (18) | TP30.5416x30.4911x0.76 25 | 814.22 | 2966.04 | 0.275 | 0.00 | 2966.04 | 0.000 |
| L19 | 75.25 - 74.5 (19) | TP30.6931x30.5416x0.76 25 | 835.23 | 2996.68 | 0.279 | 0.00 | 2996.68 | 0.000 |
| L20 | 74.5 - 74.25 (20) | TP30.7436x30.6931x0.83 75 | 842.23 | 3277.97 | 0.257 | 0.00 | 3277.97 | 0.000 |
| L21 | 74.25 - 72 (21) | TP31.1982x30.7436x0.82 5 | 905.46 | 3333.43 | 0.272 | 0.00 | 3333.43 | 0.000 |
| L22 | 72 - 71.75 (22) | TP31.2487x31.1982x0.76 25 | 912.52 | 3110.38 | 0.293 | 0.00 | 3110.38 | 0.000 |
| L23 | 71.75 - 70.5 (23) | TP31.5013x31.2487x0.76 25 | 947.98 | 3162.76 | 0.300 | 0.00 | 3162.76 | 0.000 |
| L24 | 70.5 - 70.25 (24) | TP31.5518x31.5013x0.78 75 | 955.08 | 3269.36 | 0.292 | 0.00 | 3269.36 | 0.000 |
| L25 | 70.25 - 70 (25) | TP31.6023x31.5518x0.78 75 | 962.21 | 3280.23 | 0.293 | 0.00 | 3280.23 | 0.000 |
| L26 | 70 - 69.75 (26) | TP31.6528x31.6023x0.72 5 | 969.33 | 3048.38 | 0.318 | 0.00 | 3048.38 | 0.000 |
| L27 | 69.75 - 69.5 (27) | TP31.7033x31.6528x0.87 5 | 976.48 | 3637.88 | 0.268 | 0.00 | 3637.88 | 0.000 |
| L28 | 69.5 - 69.25 (28) | TP31.7538x31.7033x0.75 | 983.62 | 3166.69 | 0.311 | 0.00 | 3166.69 | 0.000 |
| L29 | 69.25 - 64.25 (29) | TP32.764x31.7538x0.737 5 | 1127.95 | 3326.52 | 0.339 | 0.00 | 3326.52 | 0.000 |
| L30 | 64.25 - 59.25 (30) | TP33.7742x32.764x0.712 5 | 1274.92 | 3429.82 | 0.372 | 0.00 | 3429.82 | 0.000 |
| L31 | 59.25 - 56 (31) | TP34.4309x33.7742x0.71 25 | 1371.83 | 3568.88 | 0.384 | 0.00 | 3568.88 | 0.000 |
| L32 | 56 - 55.75 (32) | TP34.4814x34.4309x0.81 25 | 1379.33 | 4045.94 | 0.341 | 0.00 | 4045.94 | 0.000 |
| L33 | 55.75 - 55.5 (33) | TP34.5319x34.4814x0.81 25 | 1386.83 | 4058.23 | 0.342 | 0.00 | 4058.23 | 0.000 |
| L34 | 55.5 - 55.25 (34) | TP34.5824x34.5319x0.88 75 | 1394.34 | 4416.73 | 0.316 | 0.00 | 4416.73 | 0.000 |
| L35 | 55.25 - 54 (35) | TP34.8349x34.5824x0.87 5 | 1432.03 | 4425.77 | 0.324 | 0.00 | 4425.77 | 0.000 |
| L36 | 54 - 53.75 (36) | TP34.8854x34.8349x0.75 | 1439.59 | 3847.06 | 0.374 | 0.00 | 3847.06 | 0.000 |
| L37 | 53.75 - 53.5 (37) | TP34.936x34.8854x0.737 5 | 1447.17 | 3798.43 | 0.381 | 0.00 | 3798.43 | 0.000 |
| L38 | 53.5 - 53.25 (38) | TP34.9865x34.936x0.662 5 | 1454.74 | 3444.88 | 0.422 | 0.00 | 3444.88 | 0.000 |
| L39 | 53.25 - 53 (39) | TP35.037x34.9865x0.6 | 1462.33 | 3146.26 | 0.465 | 0.00 | 3146.26 | 0.000 |
| L40 | 53 - 48 (40) | TP36.0472x35.037x0.587 5 | 1615.72 | 3269.16 | 0.494 | 0.00 | 3269.16 | 0.000 |
| L41 | 48 - 39.75 (41) | TP37.714x36.0472x0.587 5 | 1724.63 | 3401.93 | 0.507 | 0.00 | 3401.93 | 0.000 |
| L42 | 39.75 - 38.75 (42) | TP37.291x36.1293x0.662 5 | 1906.70 | 3927.67 | 0.485 | 0.00 | 3927.67 | 0.000 |
| L43 | 38.75 - 34.75 (43) | TP38.0992x37.291x0.662 5 | 2035.53 | 4104.48 | 0.496 | 0.00 | 4104.48 | 0.000 |
| L44 | 34.75 - 34.5 | TP38.1497x38.0992x0.82 | 2043.63 | 5058.79 | 0.404 | 0.00 | 5058.79 | 0.000 |

| Section No. | Elevation ft | Size | M_{ux} kip-ft | ϕM_{nx} kip-ft | Ratio $\frac{M_{ux}}{\phi M_{nx}}$ | M_{uy} kip-ft | ϕM_{ny} kip-ft | Ratio $\frac{M_{uy}}{\phi M_{ny}}$ |
|-------------|-------------------------|------------------------------|--------------------|-------------------------|---------------------------------------|--------------------|-------------------------|---------------------------------------|
| L45 | (44) 34.5 - 33.75 | 5 TP38.3012x38.1497x0.82 | 2067.99 | 5100.39 | 0.405 | 0.00 | 5100.39 | 0.000 |
| L46 | (45) 33.75 - 33.5 | 5 TP38.3517x38.3012x0.62 | 2076.12 | 3936.75 | 0.527 | 0.00 | 3936.75 | 0.000 |
| L47 | (46) 33.5 - 28.5 | 5 TP39.3619x38.3517x0.61 | 2239.96 | 4073.06 | 0.550 | 0.00 | 4073.06 | 0.000 |
| L48 | (47) 28.5 - 24 (48) | 25 TP40.2711x39.3619x0.66 | 2389.37 | 4598.92 | 0.520 | 0.00 | 4598.92 | 0.000 |
| L49 | (49) 24 - 23.75 | 25 TP40.3216x40.2711x0.7 | 2397.72 | 4857.93 | 0.494 | 0.00 | 4857.93 | 0.000 |
| L50 | (50) 23.75 - 18.75 | 75 TP41.3318x40.3216x0.68 | 2565.94 | 5024.38 | 0.511 | 0.00 | 5024.38 | 0.000 |
| L51 | (51) 18.75 - 14.25 | 75 TP42.241x41.3318x0.675 | 2719.82 | 5162.72 | 0.527 | 0.00 | 5162.72 | 0.000 |
| L52 | (52) 14.25 - 14 | 75 TP42.2915x42.241x0.775 | 2728.47 | 5899.37 | 0.463 | 0.00 | 5899.37 | 0.000 |
| L53 | (53) 14 - 9 (53) | 25 TP43.3017x42.2915x0.76 | 2903.00 | 6098.13 | 0.476 | 0.00 | 6098.13 | 0.000 |
| L54 | (54) 9 - 5 (54) | 25 TP44.1098x43.3017x0.75 | 3044.38 | 6235.67 | 0.488 | 0.00 | 6235.67 | 0.000 |
| L55 | (55) 5 - 4.75 (55) | 25 TP44.1603x44.1098x0.9 | 3053.27 | 7422.92 | 0.411 | 0.00 | 7422.92 | 0.000 |
| L56 | (56) 4.75 - 4.5 (56) | 25 TP44.2108x44.1603x0.75 | 3062.16 | 6265.01 | 0.489 | 0.00 | 6265.01 | 0.000 |
| L57 | (57) 4.5 - 0 (57) | 25 TP45.12x44.2108x0.75 | 3223.58 | 6532.14 | 0.493 | 0.00 | 6532.14 | 0.000 |

Pole Shear Design Data

| Section No. | Elevation ft | Size | Actual V_u K | ϕV_n K | Ratio $\frac{V_u}{\phi V_n}$ | Actual T_u kip-ft | ϕT_n kip-ft | Ratio $\frac{T_u}{\phi T_n}$ |
|-------------|-----------------------|------------------------------|----------------------|-----------------|---------------------------------|---------------------------|----------------------|---------------------------------|
| L1 | 120 - 115 (1) | TP23.0102x22x0.25 | 6.17 | 296.82 | 0.021 | 0.00 | 594.24 | 0.000 |
| L2 | 115 - 110 (2) | TP24.0205x23.0102x0.25 | 10.99 | 307.36 | 0.036 | 0.45 | 648.17 | 0.001 |
| L3 | 110 - 105 (3) | TP25.0307x24.0205x0.25 | 11.60 | 323.17 | 0.036 | 0.65 | 704.43 | 0.001 |
| L4 | 105 - 100 (4) | TP26.041x25.0307x0.25 | 16.47 | 336.34 | 0.049 | 0.78 | 763.04 | 0.001 |
| L5 | (5) 100 - 99.25 | TP26.1925x26.041x0.25 | 16.54 | 338.32 | 0.049 | 0.78 | 772.03 | 0.001 |
| L6 | (6) 99.25 - 99 | 3 TP26.243x26.1925x0.356 | 16.57 | 481.06 | 0.034 | 0.78 | 1095.42 | 0.001 |
| L7 | (7) 99 - 94 | 3 TP27.2532x26.243x0.356 | 22.44 | 499.84 | 0.045 | 1.30 | 1182.58 | 0.001 |
| L8 | (8) 94 - 90.08 | 25 TP28.0453x27.2532x0.31 | 22.83 | 452.08 | 0.051 | 1.30 | 1102.83 | 0.001 |
| L9 | (9) 90.08 - 89.83 | 25 TP28.0958x28.0453x0.51 | 22.85 | 737.41 | 0.031 | 1.30 | 1789.19 | 0.001 |
| L10 | (10) 89.83 - 89.5 | 25 TP28.1625x28.0958x0.51 | 22.89 | 739.20 | 0.031 | 1.30 | 1797.85 | 0.001 |
| L11 | (11) 89.5 - 89.25 | 25 TP28.213x28.1625x0.725 | 22.92 | 1039.56 | 0.022 | 1.30 | 2513.58 | 0.001 |
| L12 | (12) 89.25 - 84.25 | TP29.2232x28.213x0.7 | 26.58 | 1041.52 | 0.026 | 1.51 | 2613.16 | 0.001 |
| L13 | (13) 84.25 - 78 | TP30.486x29.2232x0.7 | 26.88 | 1059.96 | 0.025 | 1.51 | 2706.53 | 0.001 |
| L14 | (14) 78 - 77 | 5 TP30.188x29.2283x0.862 | 27.54 | 1319.40 | 0.021 | 1.51 | 3403.47 | 0.000 |
| L15 | (15) 77 - 76.75 | 5 TP30.2385x30.188x0.862 | 27.57 | 1321.67 | 0.021 | 1.51 | 3415.20 | 0.000 |
| L16 | (16) 76.75 - 76.5 | 5 TP30.289x30.2385x0.962 | 27.61 | 1472.42 | 0.019 | 1.51 | 3798.33 | 0.000 |
| L17 | (17) 76.5 - 75.5 | 5 TP30.4911x30.289x0.962 | 27.74 | 1482.57 | 0.019 | 1.51 | 3850.85 | 0.000 |
| L18 | (18) 75.5 - 75.25 | 25 TP30.5416x30.4911x0.76 | 27.77 | 1184.46 | 0.023 | 1.51 | 3102.65 | 0.000 |
| L19 | (19) 75.25 - 74.5 | 25 TP30.6931x30.5416x0.76 | 27.95 | 1190.49 | 0.023 | 1.71 | 3134.31 | 0.001 |
| L20 | (20) 74.5 - 74.25 | 75 TP30.7436x30.6931x0.83 | 27.98 | 1306.52 | 0.021 | 1.71 | 3436.97 | 0.000 |

| Section No. | Elevation ft | Size | Actual V_u K | ϕV_n K | Ratio V_u ϕV_n | Actual T_u kip-ft | ϕT_n kip-ft | Ratio T_u ϕT_n |
|-------------|-----------------------|------------------------------|----------------------|-----------------|------------------------------|---------------------------|----------------------|------------------------------|
| L21 | 74.25 - 72 (21) | TP31.1982x30.7436x0.82 5 | 28.27 | 1307.12 | 0.022 | 1.71 | 3492.26 | 0.000 |
| L22 | 72 - 71.75 (22) | TP31.2487x31.1982x0.76 25 | 28.29 | 1212.59 | 0.023 | 1.71 | 3251.76 | 0.001 |
| L23 | 71.75 - 70.5 (23) | TP31.5013x31.2487x0.76 25 | 28.46 | 1222.64 | 0.023 | 1.71 | 3305.85 | 0.001 |
| L24 | 70.5 - 70.25 (24) | TP31.5518x31.5013x0.78 75 | 28.48 | 1263.77 | 0.023 | 1.71 | 3419.91 | 0.001 |
| L25 | 70.25 - 70 (25) | TP31.6023x31.5518x0.78 75 | 28.52 | 1265.85 | 0.023 | 1.71 | 3431.15 | 0.000 |
| L26 | 70 - 69.75 (26) | TP31.6528x31.6023x0.72 5 | 28.55 | 1169.66 | 0.024 | 1.71 | 3182.05 | 0.001 |
| L27 | 69.75 - 69.5 (27) | TP31.7033x31.6528x0.87 5 | 28.58 | 1407.11 | 0.020 | 1.71 | 3815.73 | 0.000 |
| L28 | 69.5 - 69.25 (28) | TP31.7538x31.7033x0.75 5 | 28.61 | 1212.96 | 0.024 | 1.71 | 3307.97 | 0.001 |
| L29 | 69.25 - 64.25 (29) | TP32.764x31.7538x0.737 5 | 29.16 | 1232.09 | 0.024 | 1.71 | 3470.98 | 0.000 |
| L30 | 64.25 - 59.25 (30) | TP33.7742x32.764x0.712 5 | 29.67 | 1228.80 | 0.024 | 1.71 | 3573.61 | 0.000 |
| L31 | 59.25 - 56 (31) | TP34.4309x33.7742x0.71 25 | 30.01 | 1253.20 | 0.024 | 1.71 | 3716.97 | 0.000 |
| L32 | 56 - 55.75 (32) | TP34.4814x34.4309x0.81 25 | 30.03 | 1427.00 | 0.021 | 1.71 | 4226.21 | 0.000 |
| L33 | 55.75 - 55.5 (33) | TP34.5319x34.4814x0.81 25 | 30.06 | 1429.14 | 0.021 | 1.71 | 4238.90 | 0.000 |
| L34 | 55.5 - 55.25 (34) | TP34.5824x34.5319x0.88 75 | 30.09 | 1559.92 | 0.019 | 1.71 | 4623.46 | 0.000 |
| L35 | 55.25 - 54 (35) | TP34.8349x34.5824x0.87 5 | 30.25 | 1550.05 | 0.020 | 1.71 | 4630.33 | 0.000 |
| L36 | 54 - 53.75 (36) | TP34.8854x34.8349x0.75 5 | 30.27 | 1335.48 | 0.023 | 1.71 | 4009.98 | 0.000 |
| L37 | 53.75 - 53.5 (37) | TP34.936x34.8854x0.737 5 | 30.30 | 1315.65 | 0.023 | 1.71 | 3957.72 | 0.000 |
| L38 | 53.5 - 53.25 (38) | TP34.9865x34.936x0.662 5 | 30.33 | 1186.19 | 0.026 | 1.67 | 3581.39 | 0.000 |
| L39 | 53.25 - 53 (39) | TP35.037x34.9865x0.6 5 | 30.36 | 1077.82 | 0.028 | 1.67 | 3264.92 | 0.001 |
| L40 | 53 - 48 (40) | TP36.0472x35.037x0.587 5 | 30.95 | 1086.71 | 0.028 | 1.28 | 3389.60 | 0.000 |
| L41 | 48 - 39.75 (41) | TP37.714x36.0472x0.587 5 | 31.31 | 1108.38 | 0.028 | 1.28 | 3526.13 | 0.000 |
| L42 | 39.75 - 38.75 (42) | TP37.291x36.1293x0.662 5 | 32.01 | 1265.83 | 0.025 | 1.28 | 4078.45 | 0.000 |
| L43 | 38.75 - 34.75 (43) | TP38.0992x37.291x0.662 5 | 32.41 | 1293.76 | 0.025 | 1.28 | 4260.41 | 0.000 |
| L44 | 34.75 - 34.5 (44) | TP38.1497x38.0992x0.82 5 | 32.43 | 1606.28 | 0.020 | 1.28 | 5273.72 | 0.000 |
| L45 | 34.5 - 33.75 (45) | TP38.3012x38.1497x0.82 5 | 32.51 | 1612.80 | 0.020 | 1.28 | 5316.63 | 0.000 |
| L46 | 33.75 - 33.5 (46) | TP38.3517x38.3012x0.62 5 | 32.53 | 1229.99 | 0.026 | 1.28 | 4081.78 | 0.000 |
| L47 | 33.5 - 28.5 (47) | TP39.3619x38.3517x0.61 25 | 33.01 | 1238.06 | 0.027 | 1.28 | 4219.95 | 0.000 |
| L48 | 28.5 - 24 (48) | TP40.2711x39.3619x0.66 25 | 33.41 | 1368.82 | 0.024 | 1.28 | 4769.09 | 0.000 |
| L49 | 24 - 23.75 (49) | TP40.3216x40.2711x0.7 25 | 33.42 | 1446.77 | 0.023 | 1.28 | 5042.35 | 0.000 |
| L50 | 23.75 - 18.75 (50) | TP41.3318x40.3216x0.68 75 | 33.87 | 1457.62 | 0.023 | 1.27 | 5211.26 | 0.000 |
| L51 | 18.75 - 14.25 (51) | TP42.241x41.3318x0.675 5 | 34.66 | 1463.57 | 0.024 | 1.30 | 5351.18 | 0.000 |
| L52 | 14.25 - 14 (52) | TP42.2915x42.241x0.775 5 | 34.67 | 1678.39 | 0.021 | 1.30 | 6129.33 | 0.000 |
| L53 | 14 - 9 (53) | TP43.3017x42.2915x0.76 25 | 35.19 | 1692.00 | 0.021 | 1.30 | 6331.23 | 0.000 |
| L54 | 9 - 5 (54) | TP44.1098x43.3017x0.75 5 | 35.60 | 1696.37 | 0.021 | 1.30 | 6470.03 | 0.000 |
| L55 | 5 - 4.75 (55) | TP44.1603x44.1098x0.9 5 | 35.61 | 2030.97 | 0.018 | 1.30 | 7728.46 | 0.000 |
| L56 | 4.75 - 4.5 (56) | TP44.2108x44.1603x0.75 5 | 35.64 | 1700.32 | 0.021 | 1.30 | 6500.22 | 0.000 |

| Section No. | Elevation ft | Size | Actual V_u K | ϕV_n K | Ratio $\frac{V_u}{\phi V_n}$ | Actual T_u kip-ft | ϕT_n kip-ft | Ratio $\frac{T_u}{\phi T_n}$ |
|-------------|-----------------|----------------------|-------------------|-----------------|------------------------------|------------------------|----------------------|------------------------------|
| L57 | 4.5 - 0 (57) | TP45.12x44.2108x0.75 | 36.08 | 1735.89 | 0.021 | 1.25 | 6775.02 | 0.000 |

Pole Interaction Design Data

| Section No. | Elevation ft | Ratio P_u ϕP_n | Ratio M_{ux} ϕM_{nx} | Ratio M_{uy} ϕM_{ny} | Ratio V_u ϕV_n | Ratio T_u ϕT_n | Comb. Stress Ratio | Allow. Stress Ratio | Criteria |
|-------------|--------------------|---------------------------|---------------------------------|---------------------------------|---------------------------|---------------------------|--------------------|---------------------|----------|
| L1 | 120 - 115 (1) | 0.005 | 0.065 | 0.000 | 0.021 | 0.000 | 0.071 | 1.050 | 4.8.2 |
| L2 | 115 - 110 (2) | 0.009 | 0.128 | 0.000 | 0.036 | 0.001 | 0.139 | 1.050 | 4.8.2 |
| L3 | 110 - 105 (3) | 0.009 | 0.207 | 0.000 | 0.036 | 0.001 | 0.217 | 1.050 | 4.8.2 |
| L4 | 105 - 100 (4) | 0.014 | 0.319 | 0.000 | 0.049 | 0.001 | 0.335 | 1.050 | 4.8.2 |
| L5 | 100 - 99.25 (5) | 0.014 | 0.333 | 0.000 | 0.049 | 0.001 | 0.349 | 1.050 | 4.8.2 |
| L6 | 99.25 - 99 (6) | 0.010 | 0.225 | 0.000 | 0.034 | 0.001 | 0.236 | 1.050 | 4.8.2 |
| L7 | 99 - 94 (7) | 0.012 | 0.298 | 0.000 | 0.045 | 0.001 | 0.312 | 1.050 | 4.8.2 |
| L8 | 94 - 90.08 (8) | 0.014 | 0.407 | 0.000 | 0.051 | 0.001 | 0.423 | 1.050 | 4.8.2 |
| L9 | 90.08 - 89.83 (9) | 0.009 | 0.253 | 0.000 | 0.031 | 0.001 | 0.262 | 1.050 | 4.8.2 |
| L10 | 89.83 - 89.5 (10) | 0.009 | 0.256 | 0.000 | 0.031 | 0.001 | 0.266 | 1.050 | 4.8.2 |
| L11 | 89.5 - 89.25 (11) | 0.006 | 0.187 | 0.000 | 0.022 | 0.001 | 0.194 | 1.050 | 4.8.2 |
| L12 | 89.25 - 84.25 (12) | 0.008 | 0.228 | 0.000 | 0.026 | 0.001 | 0.236 | 1.050 | 4.8.2 |
| L13 | 84.25 - 78 (13) | 0.008 | 0.246 | 0.000 | 0.025 | 0.001 | 0.254 | 1.050 | 4.8.2 |
| L14 | 78 - 77 (14) | 0.007 | 0.236 | 0.000 | 0.021 | 0.000 | 0.243 | 1.050 | 4.8.2 |
| L15 | 77 - 76.75 (15) | 0.007 | 0.238 | 0.000 | 0.021 | 0.000 | 0.245 | 1.050 | 4.8.2 |
| L16 | 76.75 - 76.5 (16) | 0.006 | 0.216 | 0.000 | 0.019 | 0.000 | 0.223 | 1.050 | 4.8.2 |
| L17 | 76.5 - 75.5 (17) | 0.006 | 0.221 | 0.000 | 0.019 | 0.000 | 0.227 | 1.050 | 4.8.2 |
| L18 | 75.5 - 75.25 (18) | 0.008 | 0.275 | 0.000 | 0.023 | 0.000 | 0.283 | 1.050 | 4.8.2 |
| L19 | 75.25 - 74.5 (19) | 0.008 | 0.279 | 0.000 | 0.023 | 0.001 | 0.287 | 1.050 | 4.8.2 |
| L20 | 74.5 - 74.25 (20) | 0.007 | 0.257 | 0.000 | 0.021 | 0.000 | 0.264 | 1.050 | 4.8.2 |
| L21 | 74.25 - 72 (21) | 0.007 | 0.272 | 0.000 | 0.022 | 0.000 | 0.279 | 1.050 | 4.8.2 |
| L22 | 72 - 71.75 (22) | 0.008 | 0.293 | 0.000 | 0.023 | 0.001 | 0.302 | 1.050 | 4.8.2 |
| L23 | 71.75 - 70.5 (23) | 0.008 | 0.300 | 0.000 | 0.023 | 0.001 | 0.308 | 1.050 | 4.8.2 |
| L24 | 70.5 - 70.25 (24) | 0.008 | 0.292 | 0.000 | 0.023 | 0.001 | 0.300 | 1.050 | 4.8.2 |
| L25 | 70.25 - 70 (25) | 0.008 | 0.293 | 0.000 | 0.023 | 0.000 | 0.301 | 1.050 | 4.8.2 |
| L26 | 70 - 69.75 (26) | 0.008 | 0.318 | 0.000 | 0.024 | 0.001 | 0.327 | 1.050 | 4.8.2 |
| L27 | 69.75 - 69.5 (27) | 0.007 | 0.268 | 0.000 | 0.020 | 0.000 | 0.276 | 1.050 | 4.8.2 |
| L28 | 69.5 - 69.25 (28) | 0.008 | 0.311 | 0.000 | 0.024 | 0.001 | 0.319 | 1.050 | 4.8.2 |
| L29 | 69.25 - 64.25 (29) | 0.008 | 0.339 | 0.000 | 0.024 | 0.000 | 0.348 | 1.050 | 4.8.2 |
| L30 | 64.25 - 59.25 (30) | 0.009 | 0.372 | 0.000 | 0.024 | 0.000 | 0.381 | 1.050 | 4.8.2 |
| L31 | 59.25 - 56 (31) | 0.009 | 0.384 | 0.000 | 0.024 | 0.000 | 0.394 | 1.050 | 4.8.2 |
| L32 | 56 - 55.75 (32) | 0.008 | 0.341 | 0.000 | 0.021 | 0.000 | 0.349 | 1.050 | 4.8.2 |

| Section No. | Elevation ft | Ratio | Ratio | Ratio | Ratio | Ratio | Comb. Stress Ratio | Allow. Stress Ratio | Criteria |
|-------------|-----------------------|-------|----------|----------|-------|-------|--------------------|---------------------|----------|
| | | P_u | M_{ux} | M_{uy} | V_u | T_u | | | |
| L33 | 55.75 - 55.5 (33) | 0.008 | 0.342 | 0.000 | 0.021 | 0.000 | 0.350 | 1.050 | 4.8.2 |
| L34 | 55.5 - 55.25 (34) | 0.007 | 0.316 | 0.000 | 0.019 | 0.000 | 0.323 | 1.050 | 4.8.2 |
| L35 | 55.25 - 54 (35) | 0.007 | 0.324 | 0.000 | 0.020 | 0.000 | 0.331 | 1.050 | 4.8.2 |
| L36 | 54 - 53.75 (36) | 0.009 | 0.374 | 0.000 | 0.023 | 0.000 | 0.383 | 1.050 | 4.8.2 |
| L37 | 53.75 - 53.5 (37) | 0.009 | 0.381 | 0.000 | 0.023 | 0.000 | 0.390 | 1.050 | 4.8.2 |
| L38 | 53.5 - 53.25 (38) | 0.010 | 0.422 | 0.000 | 0.026 | 0.000 | 0.433 | 1.050 | 4.8.2 |
| L39 | 53.25 - 53 (39) | 0.011 | 0.465 | 0.000 | 0.028 | 0.001 | 0.476 | 1.050 | 4.8.2 |
| L40 | 53 - 48 (40) | 0.011 | 0.494 | 0.000 | 0.028 | 0.000 | 0.506 | 1.050 | 4.8.2 |
| L41 | 48 - 39.75 (41) | 0.011 | 0.507 | 0.000 | 0.028 | 0.000 | 0.519 | 1.050 | 4.8.2 |
| L42 | 39.75 - 38.75 (42) | 0.011 | 0.485 | 0.000 | 0.025 | 0.000 | 0.497 | 1.050 | 4.8.2 |
| L43 | 38.75 - 34.75 (43) | 0.011 | 0.496 | 0.000 | 0.025 | 0.000 | 0.507 | 1.050 | 4.8.2 |
| L44 | 34.75 - 34.5 (44) | 0.009 | 0.404 | 0.000 | 0.020 | 0.000 | 0.413 | 1.050 | 4.8.2 |
| L45 | 34.5 - 33.75 (45) | 0.009 | 0.405 | 0.000 | 0.020 | 0.000 | 0.415 | 1.050 | 4.8.2 |
| L46 | 33.75 - 33.5 (46) | 0.012 | 0.527 | 0.000 | 0.026 | 0.000 | 0.540 | 1.050 | 4.8.2 |
| L47 | 33.5 - 28.5 (47) | 0.012 | 0.550 | 0.000 | 0.027 | 0.000 | 0.563 | 1.050 | 4.8.2 |
| L48 | 28.5 - 24 (48) | 0.011 | 0.520 | 0.000 | 0.024 | 0.000 | 0.531 | 1.050 | 4.8.2 |
| L49 | 24 - 23.75 (49) | 0.011 | 0.494 | 0.000 | 0.023 | 0.000 | 0.505 | 1.050 | 4.8.2 |
| L50 | 23.75 - 18.75 (50) | 0.011 | 0.511 | 0.000 | 0.023 | 0.000 | 0.522 | 1.050 | 4.8.2 |
| L51 | 18.75 - 14.25 (51) | 0.011 | 0.527 | 0.000 | 0.024 | 0.000 | 0.539 | 1.050 | 4.8.2 |
| L52 | 14.25 - 14 (52) | 0.010 | 0.463 | 0.000 | 0.021 | 0.000 | 0.473 | 1.050 | 4.8.2 |
| L53 | 14 - 9 (53) | 0.010 | 0.476 | 0.000 | 0.021 | 0.000 | 0.487 | 1.050 | 4.8.2 |
| L54 | 9 - 5 (54) | 0.011 | 0.488 | 0.000 | 0.021 | 0.000 | 0.499 | 1.050 | 4.8.2 |
| L55 | 5 - 4.75 (55) | 0.009 | 0.411 | 0.000 | 0.018 | 0.000 | 0.421 | 1.050 | 4.8.2 |
| L56 | 4.75 - 4.5 (56) | 0.011 | 0.489 | 0.000 | 0.021 | 0.000 | 0.500 | 1.050 | 4.8.2 |
| L57 | 4.5 - 0 (57) | 0.011 | 0.493 | 0.000 | 0.021 | 0.000 | 0.505 | 1.050 | 4.8.2 |

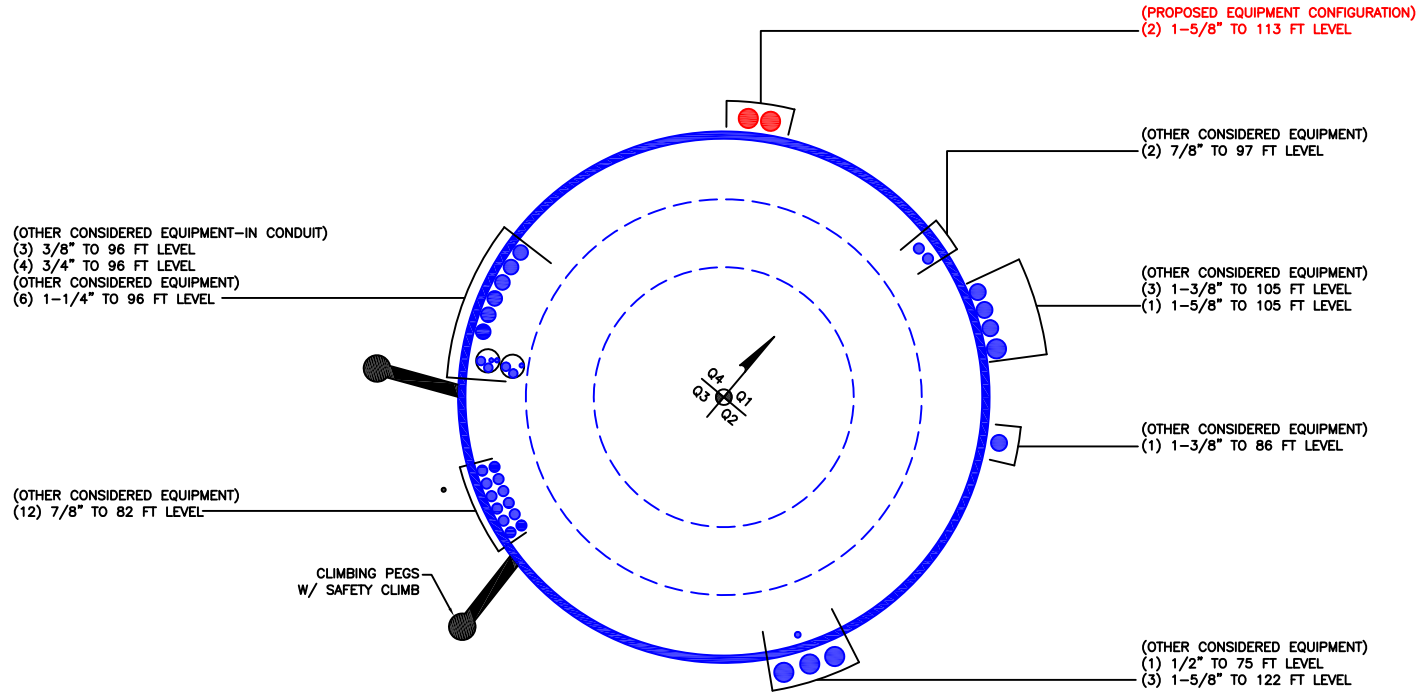
Section Capacity Table

| Section No. | Elevation ft | Component Type | Size | Critical Element | P K | ϕP_{allow} K | % Capacity | Pass Fail |
|-------------|-----------------|-------------------|--------------------------|---------------------|--------|-----------------------|---------------|--------------|
| L1 | 120 - 115 | Pole | TP23.0102x22x0.25 | 1 | -4.99 | 1038.86 | 6.7 | Pass |
| L2 | 115 - 110 | Pole | TP24.0205x23.0102x0.25 | 2 | -9.27 | 1084.96 | 13.2 | Pass |
| L3 | 110 - 105 | Pole | TP25.0307x24.0205x0.25 | 3 | -9.71 | 1131.08 | 20.7 | Pass |
| L4 | 105 - 100 | Pole | TP26.041x25.0307x0.25 | 4 | -15.25 | 1177.19 | 31.9 | Pass |
| L5 | 100 - 99.25 | Pole | TP26.1925x26.041x0.25 | 5 | -15.33 | 1184.11 | 33.3 | Pass |
| L6 | 99.25 - 99 | Pole | TP26.243x26.1925x0.3563 | 6 | -15.37 | 1683.73 | 22.4 | Pass |
| L7 | 99 - 94 | Pole | TP27.2532x26.243x0.3563 | 7 | -20.81 | 1749.44 | 29.8 | Pass |
| L8 | 94 - 90.08 | Pole | TP28.0453x27.2532x0.3125 | 8 | -21.47 | 1582.28 | 40.3 | Pass |
| L9 | 90.08 - 89.83 | Pole | TP28.0958x28.0453x0.5125 | 9 | -21.53 | 2580.94 | 25.0 | Pass |
| L10 | 89.83 - 89.5 | Pole | TP28.1625x28.0958x0.5125 | 10 | -21.61 | 2587.18 | 25.3 | Pass |
| L11 | 89.5 - 89.25 | Pole | TP28.213x28.1625x0.725 | 11 | -21.67 | 3638.48 | 18.4 | Pass |
| L12 | 89.25 - 84.25 | Pole | TP29.2232x28.213x0.7 | 12 | -26.11 | 3645.32 | 22.5 | Pass |
| L13 | 84.25 - 78 | Pole | TP30.486x29.2232x0.7 | 13 | -26.80 | 3709.87 | 24.2 | Pass |
| L14 | 78 - 77 | Pole | TP30.188x29.2283x0.8625 | 14 | -29.43 | 4617.89 | 23.2 | Pass |

| Section No. | Elevation ft | Component Type | Size | Critical Element | P K | $\sigma_{P_{allow}}$ K | % Capacity | Pass Fail | |
|-------------|---------------|----------------|--------------------------|------------------|--------|------------------------|-----------------|-------------|-------------|
| L15 | 77 - 76.75 | Pole | TP30.2385x30.188x0.8625 | 15 | -29.53 | 4625.85 | 23.3 | Pass | |
| L16 | 76.75 - 76.5 | Pole | TP30.289x30.2385x0.9625 | 16 | -29.62 | 5153.47 | 21.2 | Pass | |
| L17 | 76.5 - 75.5 | Pole | TP30.4911x30.289x0.9625 | 17 | -30.01 | 5188.98 | 21.6 | Pass | |
| L18 | 75.5 - 75.25 | Pole | TP30.5416x30.4911x0.7625 | 18 | -30.10 | 4145.62 | 26.9 | Pass | |
| L19 | 75.25 - 74.5 | Pole | TP30.6931x30.5416x0.7625 | 19 | -30.43 | 4166.73 | 27.3 | Pass | |
| L20 | 74.5 - 74.25 | Pole | TP30.7436x30.6931x0.8375 | 20 | -30.52 | 4572.81 | 25.2 | Pass | |
| L21 | 74.25 - 72 | Pole | TP31.1982x30.7436x0.825 | 21 | -31.26 | 4574.92 | 26.6 | Pass | |
| L22 | 72 - 71.75 | Pole | TP31.2487x31.1982x0.7625 | 22 | -31.35 | 4244.07 | 28.7 | Pass | |
| L23 | 71.75 - 70.5 | Pole | TP31.5013x31.2487x0.7625 | 23 | -31.81 | 4279.22 | 29.3 | Pass | |
| L24 | 70.5 - 70.25 | Pole | TP31.5518x31.5013x0.7875 | 24 | -31.91 | 4423.20 | 28.6 | Pass | |
| L25 | 70.25 - 70 | Pole | TP31.6023x31.5518x0.7875 | 25 | -32.01 | 4430.45 | 28.7 | Pass | |
| L26 | 70 - 69.75 | Pole | TP31.6528x31.6023x0.725 | 26 | -32.10 | 4093.79 | 31.1 | Pass | |
| L27 | 69.75 - 69.5 | Pole | TP31.7033x31.6528x0.875 | 27 | -32.20 | 4924.89 | 26.3 | Pass | |
| L28 | 69.5 - 69.25 | Pole | TP31.7538x31.7033x0.75 | 28 | -32.28 | 4245.37 | 30.4 | Pass | |
| L29 | 69.25 - 64.25 | Pole | TP32.764x31.7538x0.7375 | 29 | -33.98 | 4312.32 | 33.1 | Pass | |
| L30 | 64.25 - 59.25 | Pole | TP33.7742x32.764x0.7125 | 30 | -35.71 | 4300.80 | 36.3 | Pass | |
| L31 | 59.25 - 56 | Pole | TP34.4309x33.7742x0.7125 | 31 | -36.86 | 4386.22 | 37.5 | Pass | |
| L32 | 56 - 55.75 | Pole | TP34.4814x34.4309x0.8125 | 32 | -36.98 | 4994.48 | 33.3 | Pass | |
| L33 | 55.75 - 55.5 | Pole | TP34.5319x34.4814x0.8125 | 33 | -37.09 | 5001.98 | 33.3 | Pass | |
| L34 | 55.5 - 55.25 | Pole | TP34.5824x34.5319x0.8875 | 34 | -37.21 | 5459.73 | 30.8 | Pass | |
| L35 | 55.25 - 54 | Pole | TP34.8349x34.5824x0.875 | 35 | -37.80 | 5425.17 | 31.6 | Pass | |
| L36 | 54 - 53.75 | Pole | TP34.8854x34.8349x0.75 | 36 | -37.92 | 4674.18 | 36.5 | Pass | |
| L37 | 53.75 - 53.5 | Pole | TP34.936x34.8854x0.7375 | 37 | -38.03 | 4604.76 | 37.2 | Pass | |
| L38 | 53.5 - 53.25 | Pole | TP34.9865x34.936x0.6625 | 38 | -38.14 | 4151.67 | 41.2 | Pass | |
| L39 | 53.25 - 53 | Pole | TP35.037x34.9865x0.6 | 39 | -38.23 | 3772.38 | 45.4 | Pass | |
| L40 | 53 - 48 | Pole | TP36.0472x35.037x0.5875 | 40 | -40.21 | 3803.48 | 48.2 | Pass | |
| L41 | 48 - 39.75 | Pole | TP37.714x36.0472x0.5875 | 41 | -41.62 | 3879.33 | 49.4 | Pass | |
| L42 | 39.75 - 38.75 | Pole | TP37.291x36.1293x0.6625 | 42 | -45.38 | 4430.41 | 47.3 | Pass | |
| L43 | 38.75 - 34.75 | Pole | TP38.0992x37.291x0.6625 | 43 | -47.04 | 4528.17 | 48.3 | Pass | |
| L44 | 34.75 - 34.5 | Pole | TP38.1497x38.0992x0.825 | 44 | -47.17 | 5621.97 | 39.4 | Pass | |
| L45 | 34.5 - 33.75 | Pole | TP38.3012x38.1497x0.825 | 45 | -47.54 | 5644.80 | 39.5 | Pass | |
| L46 | 33.75 - 33.5 | Pole | TP38.3517x38.3012x0.625 | 46 | -47.65 | 4304.95 | 51.4 | Pass | |
| L47 | 33.5 - 28.5 | Pole | TP39.3619x38.3517x0.6125 | 47 | -49.74 | 4333.21 | 53.6 | Pass | |
| L48 | 28.5 - 24 | Pole | TP40.2711x39.3619x0.6625 | 48 | -51.66 | 4790.87 | 50.6 | Pass | |
| L49 | 24 - 23.75 | Pole | TP40.3216x40.2711x0.7 | 49 | -51.78 | 5063.71 | 48.1 | Pass | |
| L50 | 23.75 - 18.75 | Pole | TP41.3318x40.3216x0.6875 | 50 | -54.02 | 5101.66 | 49.7 | Pass | |
| L51 | 18.75 - 14.25 | Pole | TP42.241x41.3318x0.675 | 51 | -56.06 | 5122.49 | 51.3 | Pass | |
| L52 | 14.25 - 14 | Pole | TP42.2915x42.241x0.775 | 52 | -56.20 | 5874.36 | 45.0 | Pass | |
| L53 | 14 - 9 | Pole | TP43.3017x42.2915x0.7625 | 53 | -58.72 | 5921.99 | 46.4 | Pass | |
| L54 | 9 - 5 | Pole | TP44.1098x43.3017x0.75 | 54 | -60.69 | 5937.28 | 47.6 | Pass | |
| L55 | 5 - 4.75 | Pole | TP44.1603x44.1098x0.9 | 55 | -60.84 | 7108.38 | 40.1 | Pass | |
| L56 | 4.75 - 4.5 | Pole | TP44.2108x44.1603x0.75 | 56 | -60.97 | 5951.12 | 47.6 | Pass | |
| L57 | 4.5 - 0 | Pole | TP45.12x44.2108x0.75 | 57 | -63.32 | 6075.60 | 48.1 | Pass | |
| | | | | | | | Summary | | |
| | | | | | | | Pole (L47) | 53.6 | Pass |
| | | | | | | | RATING = | 53.6 | Pass |

*NOTE: Above stress ratios for reinforced sections are approximate. More exact calculations are presented in Appendix C.

APPENDIX B
BASE LEVEL DRAWING



APPENDIX C
ADDITIONAL CALCULATIONS

Pole Geometry

| | Pole Height Above Base (ft) | Section Length (ft) | Lap Splice Length (ft) | Number of Sides | Top Diameter (in) | Bottom Diameter (in) | Wall Thickness (in) | Bend Radius (in) | Pole Material |
|---|-----------------------------|---------------------|------------------------|-----------------|-------------------|----------------------|---------------------|------------------|---------------|
| 1 | 120 | 42 | 3.75 | 12 | 22 | 30.486 | 0.25 | Auto | A607-60 |
| 2 | 81.75 | 42 | 4.75 | 12 | 29.23 | 37.714 | 0.3125 | Auto | A607-60 |
| 3 | 44.5 | 44.5 | 0 | 12 | 36.13 | 45.12 | 0.375 | Auto | A607-60 |

Reinforcement Configuration

| | Bottom Effective Elevation (ft) | Top Effective Elevation (ft) | Type | Model | Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|----|---------------------------------|------------------------------|---------|-------------------------|--------|---|------|---|---|---|-----|---|-----|---|----|------|------|
| 1 | 0 | 4.75 | plate | (TS) 1.25x4.00 (65 ksi) | 3 | | | 0 | | 0 | | | | | | 0 | |
| 2 | 0 | 24 | channel | MP3-04 (1.25in) | 4 | | | 0 | | 0 | | | | 0 | | 0 | |
| 3 | 4.75 | 34.75 | plate | PL 1" X 5" | 4 | | 3 | | | | -3 | | -4 | | | | -3.3 |
| 4 | 33.75 | 69.75 | plate | PL 1" X 5" | 4 | | -2.5 | | | | 2.5 | | 2.5 | | | | 2.5 |
| 5 | 0 | 14.25 | channel | MP3-03 (1.25in) | 4 | | -1.8 | | | | 1.5 | | 1.5 | | | | 1.75 |
| 6 | 24 | 44.25 | channel | MP3-03 (1.25in) | 4 | | | 0 | | 0 | | | | 0 | | 0 | |
| 7 | 53.5 | 70.5 | plate | CCI-SFP-045100 | 1 | | | | | | | | | | | 2.25 | |
| 8 | 53.25 | 72 | plate | CCI-SFP-065125 | 1 | | | 0 | | | | | | | | | |
| 9 | 54 | 70 | plate | CCI-AFP-045100 | 2 | | | | | 0 | | | | 0 | | | |
| 10 | 69.5 | 89.5 | plate | CCI-AFP-060100 | 2 | 0 | | | | | | | | | 0 | | |
| 11 | 70 | 90.08 | plate | CCI-AFP-045100 | 2 | | | | | 0 | | | | 0 | | | |
| 12 | 44 | 56 | plate | CCI-SFP-045100 | 3 | | | 3 | | | -3 | | -3 | | | | |
| 13 | 43.75 | 55.5 | plate | CCI-SFP-045100 | 1 | | | | | | | | | | | | -3 |
| 14 | 74.5 | 99.25 | plate | PL 1.25" X 4" | 1 | | | 0 | | | | | | | | | |
| 15 | 75.5 | 99.25 | plate | PL 1.25" X 4" | 1 | | | | | 0 | | | | | | | |
| 16 | 75.5 | 99.25 | plate | PL 1.25" X 4" | 1 | | | | | | | | | | | | 0 |
| 17 | 69.75 | 78.5 | plate | PL 1.25" X 4" | 2 | | | | 0 | | | 0 | | | | | |
| 18 | 70 | 78.5 | plate | PL 1.25" X 4" | 1 | | | | | | | | | | | | -2 |
| 19 | 69.75 | 76.75 | plate | PL 1.25" X 4" | 1 | | | | | | | | -3 | | | | |
| 20 | 0 | 5 | plate | (TS) 1.25x6.00 | 1 | | | | | | | | | | 0 | | |
| 21 | 0 | 5 | plate | (TS) 1.25x6.00 (mod) | 1 | | | | | | 0 | | | | | | |
| 22 | | | | | | | | | | | | | | | | | |

Reinforcement Details

| | B (in) | H (in) | Gross Area (in ²) | Pole Face to Centroid (in) | Bottom Termination Type | Bottom Termination Length (in) | Top Termination Type | Top Termination Length (in) | Lu (in) | Net Area (in ²) | Bolt Hole Size (in) | Reinforcement Material |
|----|--------|--------|-------------------------------|----------------------------|-------------------------|--------------------------------|----------------------|-----------------------------|---------|-----------------------------|---------------------|------------------------|
| 1 | 1.25 | 4 | 5 | 8 | Welded | n/a | Welded | n/a | 6.000 | 5.000 | 0.0000 | A572-65 |
| 2 | 4.78 | 1.61 | 4.13 | 0.61 | PC 8.8 - M20 (100) | 17 | PC 8.8 - M20 (100) | 17.000 | 18.000 | 3.566 | 1.2500 | A572-65 |
| 3 | 5 | 1 | 5 | 0.5 | PC 8.8 - M20 (100) | 27 | PC 8.8 - M20 (100) | 27.000 | 18.000 | 3.750 | 1.1875 | A572-65 |
| 4 | 5 | 1 | 5 | 0.5 | PC 8.8 - M20 (100) | 27 | PC 8.8 - M20 (100) | 27.000 | 18.000 | 3.750 | 1.1875 | A572-65 |
| 5 | 4.06 | 1.57 | 2.92 | 0.59 | PC 8.8 - M20 (100) | 14 | PC 8.8 - M20 (100) | 14.000 | 18.000 | 2.526 | 1.2500 | A572-65 |
| 6 | 4.06 | 1.57 | 2.92 | 0.59 | PC 8.8 - M20 (100) | 14 | PC 8.8 - M20 (100) | 14.000 | 18.000 | 2.526 | 1.2500 | A572-65 |
| 7 | 4.5 | 1 | 4.5 | 0.5 | PC 8.8 - M20 (100) | 18 | PC 8.8 - M20 (100) | 18.000 | 20.000 | 3.250 | 1.1875 | A572-65 |
| 8 | 6.5 | 1.25 | 8.125 | 0.625 | PC 8.8 - M20 (100) | 33 | PC 8.8 - M20 (100) | 33.000 | 19.000 | 6.563 | 1.1875 | A572-65 |
| 9 | 4.5 | 1 | 4.5 | 0.5 | PC 8.8 - M20 (100) | 24 | PC 8.8 - M20 (100) | 24.000 | 20.000 | 3.250 | 1.1875 | A572-65 |
| 10 | 6 | 1 | 6 | 0.5 | PC 8.8 - M20 (100) | 30 | PC 8.8 - M20 (100) | 30.000 | 16.000 | 4.750 | 1.1875 | A572-65 |
| 11 | 4.5 | 1 | 4.5 | 0.5 | PC 8.8 - M20 (100) | 24 | PC 8.8 - M20 (100) | 24.000 | 20.000 | 3.250 | 1.1875 | A572-65 |
| 12 | 4.5 | 1 | 4.5 | 0.5 | PC 8.8 - M20 (100) | 18 | PC 8.8 - M20 (100) | 18.000 | 20.000 | 3.250 | 1.1875 | A572-65 |
| 13 | 4.5 | 1 | 4.5 | 0.5 | PC 8.8 - M20 (100) | 18 | PC 8.8 - M20 (100) | 18.000 | 20.000 | 3.250 | 1.1875 | A572-65 |
| 14 | 4 | 1.25 | 5 | 0.625 | PC 8.8 - M20 (100) | 18 | PC 8.8 - M20 (100) | 18.000 | 27.000 | 3.438 | 1.1875 | A572-65 |
| 15 | 4 | 1.25 | 5 | 0.625 | PC 8.8 - M20 (100) | 18 | PC 8.8 - M20 (100) | 18.000 | 27.000 | 3.438 | 1.1875 | A572-65 |
| 16 | 4 | 1.25 | 5 | 0.625 | PC 8.8 - M20 (100) | 18 | PC 8.8 - M20 (100) | 18.000 | 27.000 | 3.438 | 1.1875 | A572-65 |
| 17 | 4 | 1.25 | 5 | 0.625 | PC 8.8 - M20 (100) | 18 | PC 8.8 - M20 (100) | 18.000 | 27.000 | 3.438 | 1.1875 | A572-65 |
| 18 | 4 | 1.25 | 5 | 0.625 | PC 8.8 - M20 (100) | 18 | PC 8.8 - M20 (100) | 18.000 | 27.000 | 3.438 | 1.1875 | A572-65 |
| 19 | 4 | 1.25 | 5 | 0.625 | PC 8.8 - M20 (100) | 18 | PC 8.8 - M20 (100) | 18.000 | 27.000 | 3.438 | 1.1875 | A572-65 |
| 20 | 1.25 | 5.25 | 6.5625 | 3.375 | Welded | n/a | Welded | n/a | 1.250 | 6.563 | 0.0000 | A572-65 |
| 21 | 1.25 | 5.1875 | 6.48438 | 3.34375 | Welded | n/a | Welded | n/a | 1.250 | 6.484 | 0.0000 | A572-65 |

Connection Details for Custom Reinforcements

| Reinforcement | End | # Bolts | N or X | Bolt Spacing (in) | Edge Dist (in) | Weld Grade (ksi) | Transverse (Horiz.) Weld Type | Horiz. Weld Length (in) | Horiz. Groove Depth (in) | Horiz. Groove Angle (deg) | Horiz. Fillet Size (in) | Vertical Weld Length (in) | Vertical Fillet Size (in) | Rev H Connection Capacity (kip) |
|-------------------------|--------|---------|--------|-------------------|----------------|------------------|-------------------------------|-------------------------|--------------------------|---------------------------|-------------------------|---------------------------|---------------------------|---------------------------------|
| (TS) 1.25x4.00 (65 ksi) | Top | - | - | - | - | 80 | None | - | - | - | - | 39 | 0.375 | - |
| | Bottom | - | - | - | - | 80 | CJP Groove | 8 | 0.625 | 45 | 0.625 | - | - | - |
| PL 1" X 5" | Top | 9 | N | 3 | 3 | 0 | - | - | - | - | - | - | - | - |
| | Bottom | 9 | N | 3 | 3 | 0 | - | 0 | - | - | 0 | - | - | - |
| PL 1.25" X 4" | Top | 6 | N | 3 | 3 | 0 | - | - | - | - | - | - | - | - |
| | Bottom | 6 | N | 3 | 3 | 0 | - | 0 | - | - | 0 | - | - | - |
| (TS) 1.25x6.00 | Top | - | - | - | - | 80 | None | - | - | - | - | 60 | 0.313 | - |
| | Bottom | - | - | - | - | 80 | CJP Groove | 10.5 | 0.625 | 45 | 0.3125 | - | - | - |
| (TS) 1.25x6.00 (mod) | Top | - | - | - | - | 80 | None | - | - | - | - | 60 | 0.313 | - |
| | Bottom | - | - | - | - | 80 | CJP Groove | 10.375 | 0.625 | 45 | 0.3125 | - | - | - |

TNX Geometry Input

Increment (ft): [Export to TNX](#)

| | Section Height (ft) | Section Length (ft) | Lap Splice Length (ft) | Number of Sides | Top Diameter (in) | Bottom Diameter (in) | Wall Thickness (in) | Tapered Pole Grade | Weight Multiplier |
|----|---------------------|---------------------|------------------------|-----------------|-------------------|----------------------|---------------------|--------------------|-------------------|
| 1 | 120 - 115 | 5 | | 12 | 22.000 | 23.010 | 0.25 | A607-60 | 1.000 |
| 2 | 115 - 110 | 5 | | 12 | 23.010 | 24.020 | 0.25 | A607-60 | 1.000 |
| 3 | 110 - 105 | 5 | | 12 | 24.020 | 25.031 | 0.25 | A607-60 | 1.000 |
| 4 | 105 - 100 | 5 | | 12 | 25.031 | 26.041 | 0.25 | A607-60 | 1.000 |
| 5 | 100 - 99.25 | 0.75 | | 12 | 26.041 | 26.192 | 0.25 | A607-60 | 1.000 |
| 6 | 99.25 - 99 | 0.25 | | 12 | 26.192 | 26.243 | 0.35625 | A607-60 | 1.042 |
| 7 | 99 - 94 | 5 | | 12 | 26.243 | 27.253 | 0.35625 | A607-60 | 1.029 |
| 8 | 94 - 90.08 | 3.92 | | 12 | 27.253 | 28.045 | 0.3125 | A607-60 | 1.161 |
| 9 | 90.08 - 89.83 | 0.25 | | 12 | 28.045 | 28.096 | 0.5125 | A607-60 | 1.020 |
| 10 | 89.83 - 89.5 | 0.33 | | 12 | 28.096 | 28.162 | 0.5125 | A607-60 | 1.019 |
| 11 | 89.5 - 89.25 | 0.25 | | 12 | 28.162 | 28.213 | 0.725 | A607-60 | 0.913 |
| 12 | 89.25 - 84.25 | 5 | | 12 | 28.213 | 29.223 | 0.7 | A607-60 | 0.924 |
| 13 | 84.25 - 81.75 | 6.25 | 3.75 | 12 | 29.223 | 30.486 | 0.7 | A607-60 | 0.914 |
| 14 | 81.75 - 77 | 4.75 | | 12 | 29.228 | 30.188 | 0.8625 | A607-60 | 0.996 |
| 15 | 77 - 76.75 | 0.25 | | 12 | 30.188 | 30.239 | 0.8625 | A607-60 | 0.995 |
| 16 | 76.75 - 76.5 | 0.25 | | 12 | 30.239 | 30.289 | 0.9625 | A607-60 | 0.949 |
| 17 | 76.5 - 75.5 | 1 | | 12 | 30.289 | 30.491 | 0.9625 | A607-60 | 0.945 |
| 18 | 75.5 - 75.25 | 0.25 | | 12 | 30.491 | 30.542 | 0.7625 | A607-60 | 1.046 |
| 19 | 75.25 - 74.5 | 0.75 | | 12 | 30.542 | 30.693 | 0.7625 | A607-60 | 1.043 |
| 20 | 74.5 - 74.25 | 0.25 | | 12 | 30.693 | 30.744 | 0.8375 | A607-60 | 0.889 |
| 21 | 74.25 - 72 | 2.25 | | 12 | 30.744 | 31.198 | 0.825 | A607-60 | 0.894 |
| 22 | 72 - 71.75 | 0.25 | | 12 | 31.198 | 31.249 | 0.7625 | A607-60 | 1.073 |
| 23 | 71.75 - 70.5 | 1.25 | | 12 | 31.249 | 31.501 | 0.7625 | A607-60 | 1.068 |
| 24 | 70.5 - 70.25 | 0.25 | | 12 | 31.501 | 31.552 | 0.7875 | A607-60 | 1.091 |
| 25 | 70.25 - 70 | 0.25 | | 12 | 31.552 | 31.602 | 0.7875 | A607-60 | 1.090 |
| 26 | 70 - 69.75 | 0.25 | | 12 | 31.602 | 31.653 | 0.725 | A607-60 | 1.111 |
| 27 | 69.75 - 69.5 | 0.25 | | 12 | 31.653 | 31.703 | 0.875 | A607-60 | 0.982 |
| 28 | 69.5 - 69.25 | 0.25 | | 12 | 31.703 | 31.754 | 0.75 | A607-60 | 0.979 |
| 29 | 69.25 - 64.25 | 5 | | 12 | 31.754 | 32.764 | 0.7375 | A607-60 | 0.977 |
| 30 | 64.25 - 59.25 | 5 | | 12 | 32.764 | 33.774 | 0.7125 | A607-60 | 0.993 |
| 31 | 59.25 - 56 | 3.25 | | 12 | 33.774 | 34.431 | 0.7125 | A607-60 | 0.983 |
| 32 | 56 - 55.75 | 0.25 | | 12 | 34.431 | 34.481 | 0.8125 | A607-60 | 1.017 |
| 33 | 55.75 - 55.5 | 0.25 | | 12 | 34.481 | 34.532 | 0.8125 | A607-60 | 1.016 |
| 34 | 55.5 - 55.25 | 0.25 | | 12 | 34.532 | 34.582 | 0.8875 | A607-60 | 0.978 |
| 35 | 55.25 - 54 | 1.25 | | 12 | 34.582 | 34.835 | 0.875 | A607-60 | 0.987 |
| 36 | 54 - 53.75 | 0.25 | | 12 | 34.835 | 34.885 | 0.75 | A607-60 | 1.037 |
| 37 | 53.75 - 53.5 | 0.25 | | 12 | 34.885 | 34.936 | 0.7375 | A607-60 | 1.053 |
| 38 | 53.5 - 53.25 | 0.25 | | 12 | 34.936 | 34.986 | 0.6625 | A607-60 | 1.107 |
| 39 | 53.25 - 53 | 0.25 | | 12 | 34.986 | 35.037 | 0.6 | A607-60 | 1.097 |
| 40 | 53 - 48 | 5 | | 12 | 35.037 | 36.047 | 0.5875 | A607-60 | 1.103 |
| 41 | 48 - 44.5 | 8.25 | 4.75 | 12 | 36.047 | 37.714 | 0.5875 | A607-60 | 1.092 |
| 42 | 44.5 - 38.75 | 5.75 | | 12 | 36.129 | 37.291 | 0.6625 | A607-60 | 0.976 |
| 43 | 38.75 - 34.75 | 4 | | 12 | 37.291 | 38.099 | 0.6625 | A607-60 | 0.968 |
| 44 | 34.75 - 34.5 | 0.25 | | 12 | 38.099 | 38.150 | 0.825 | A607-60 | 0.982 |
| 45 | 34.5 - 33.75 | 0.75 | | 12 | 38.150 | 38.301 | 0.825 | A607-60 | 0.980 |
| 46 | 33.75 - 33.5 | 0.25 | | 12 | 38.301 | 38.352 | 0.625 | A607-60 | 1.022 |
| 47 | 33.5 - 28.5 | 5 | | 12 | 38.352 | 39.362 | 0.6125 | A607-60 | 1.031 |
| 48 | 28.5 - 24 | 4.5 | | 12 | 39.362 | 40.271 | 0.6625 | A607-60 | 0.946 |
| 49 | 24 - 23.75 | 0.25 | | 12 | 40.271 | 40.322 | 0.7 | A607-60 | 0.950 |
| 50 | 23.75 - 18.75 | 5 | | 12 | 40.322 | 41.332 | 0.6875 | A607-60 | 0.956 |
| 51 | 18.75 - 14.25 | 4.5 | | 12 | 41.332 | 42.241 | 0.675 | A607-60 | 0.964 |
| 52 | 14.25 - 14 | 0.25 | | 12 | 42.241 | 42.291 | 0.775 | A607-60 | 0.954 |
| 53 | 14 - 9 | 5 | | 12 | 42.291 | 43.302 | 0.7625 | A607-60 | 0.958 |
| 54 | 9 - 5 | 4 | | 12 | 43.302 | 44.110 | 0.75 | A607-60 | 0.965 |
| 55 | 5 - 4.75 | 0.25 | | 12 | 44.110 | 44.160 | 0.9125 | A607-60 | 0.899 |
| 56 | 4.75 - 4.5 | 0.25 | | 12 | 44.160 | 44.211 | 0.875 | A607-60 | 0.895 |
| 57 | 4.5 - 0 | 4.5 | | 12 | 44.211 | 45.120 | 0.85 | A607-60 | 0.911 |

TNX Section Forces

| Increment (ft): | | TNX Output | | |
|-----------------|---------------------|--------------------|--------------------------|--------------------|
| 5 | | | | |
| | Section Height (ft) | P _u (K) | M _{ux} (kip-ft) | V _u (K) |
| 1 | 120 - 115 | 4.99 | 36.80 | 6.17 |
| 2 | 115 - 110 | 9.27 | 78.05 | 10.99 |
| 3 | 110 - 105 | 9.71 | 134.53 | 11.60 |
| 4 | 105 - 100 | 15.25 | 221.70 | 16.47 |
| 5 | 100 - 99.25 | 15.33 | 234.08 | 16.54 |
| 6 | 99.25 - 99 | 15.37 | 238.22 | 16.57 |
| 7 | 99 - 94 | 20.81 | 340.78 | 22.44 |
| 8 | 94 - 90.08 | 21.47 | 429.45 | 22.83 |
| 9 | 90.08 - 89.83 | 21.53 | 435.16 | 22.85 |
| 10 | 89.83 - 89.5 | 21.61 | 442.70 | 22.89 |
| 11 | 89.5 - 89.25 | 21.67 | 448.42 | 22.92 |
| 12 | 89.25 - 84.25 | 26.11 | 569.87 | 26.58 |
| 13 | 84.25 - 81.75 | 26.80 | 636.66 | 26.88 |
| 14 | 81.75 - 77 | 29.43 | 765.85 | 27.54 |
| 15 | 77 - 76.75 | 29.53 | 772.73 | 27.57 |
| 16 | 76.75 - 76.5 | 29.62 | 779.63 | 27.61 |
| 17 | 76.5 - 75.5 | 30.01 | 807.29 | 27.74 |
| 18 | 75.5 - 75.25 | 30.10 | 814.22 | 27.77 |
| 19 | 75.25 - 74.5 | 30.43 | 835.24 | 27.95 |
| 20 | 74.5 - 74.25 | 30.52 | 842.22 | 27.98 |
| 21 | 74.25 - 72 | 31.26 | 905.46 | 28.27 |
| 22 | 72 - 71.75 | 31.35 | 912.52 | 28.29 |
| 23 | 71.75 - 70.5 | 31.81 | 947.97 | 28.46 |
| 24 | 70.5 - 70.25 | 31.91 | 955.09 | 28.48 |
| 25 | 70.25 - 70 | 32.01 | 962.21 | 28.52 |
| 26 | 70 - 69.75 | 32.10 | 969.34 | 28.55 |
| 27 | 69.75 - 69.5 | 32.20 | 976.47 | 28.58 |
| 28 | 69.5 - 69.25 | 32.28 | 983.62 | 28.61 |
| 29 | 69.25 - 64.25 | 33.98 | 1127.95 | 29.16 |
| 30 | 64.25 - 59.25 | 35.71 | 1274.92 | 29.67 |
| 31 | 59.25 - 56 | 36.86 | 1371.82 | 30.01 |
| 32 | 56 - 55.75 | 36.98 | 1379.32 | 30.03 |
| 33 | 55.75 - 55.5 | 37.09 | 1386.83 | 30.06 |
| 34 | 55.5 - 55.25 | 37.21 | 1394.34 | 30.09 |
| 35 | 55.25 - 54 | 37.80 | 1432.03 | 30.25 |
| 36 | 54 - 53.75 | 37.92 | 1439.59 | 30.27 |
| 37 | 53.75 - 53.5 | 38.03 | 1447.16 | 30.30 |
| 38 | 53.5 - 53.25 | 38.14 | 1454.74 | 30.33 |
| 39 | 53.25 - 53 | 38.24 | 1462.33 | 30.36 |
| 40 | 53 - 48 | 40.21 | 1615.71 | 30.95 |
| 41 | 48 - 44.5 | 41.62 | 1724.63 | 31.31 |
| 42 | 44.5 - 38.75 | 45.38 | 1906.70 | 32.01 |
| 43 | 38.75 - 34.75 | 47.04 | 2035.53 | 32.41 |
| 44 | 34.75 - 34.5 | 47.17 | 2043.63 | 32.43 |
| 45 | 34.5 - 33.75 | 47.54 | 2067.99 | 32.51 |
| 46 | 33.75 - 33.5 | 47.65 | 2076.12 | 32.53 |
| 47 | 33.5 - 28.5 | 49.74 | 2239.96 | 33.01 |
| 48 | 28.5 - 24 | 51.66 | 2389.37 | 33.41 |
| 49 | 24 - 23.75 | 51.78 | 2397.72 | 33.42 |
| 50 | 23.75 - 18.75 | 54.02 | 2565.94 | 33.87 |
| 51 | 18.75 - 14.25 | 56.06 | 2719.82 | 34.66 |
| 52 | 14.25 - 14 | 56.20 | 2728.47 | 34.67 |
| 53 | 14 - 9 | 58.72 | 2903.00 | 35.19 |
| 54 | 9 - 5 | 60.69 | 3044.38 | 35.60 |
| 55 | 5 - 4.75 | 60.84 | 3053.27 | 35.61 |
| 56 | 4.75 - 4.5 | 60.97 | 3062.16 | 35.64 |
| 57 | 4.5 - 0 | 63.32 | 3223.58 | 36.08 |

Analysis Results

| Elevation (ft) | Component Type | Size | Critical Element | % Capacity | Pass / Fail |
|----------------|----------------|------------------------|---------------------------|------------|-------------|
| 120 - 115 | Pole | TP23.01x22x0.25 | Pole | 6.7% | Pass |
| 115 - 110 | Pole | TP24.02x23.01x0.25 | Pole | 13.2% | Pass |
| 110 - 105 | Pole | TP25.031x24.02x0.25 | Pole | 20.6% | Pass |
| 105 - 100 | Pole | TP26.041x25.031x0.25 | Pole | 31.8% | Pass |
| 100 - 99.25 | Pole | TP26.192x26.041x0.25 | Pole | 33.2% | Pass |
| 99.25 - 99 | Pole + Reinf. | TP26.243x26.192x0.3563 | Reinf. 14 Tension Rupture | 30.3% | Pass |
| 99 - 94 | Pole + Reinf. | TP27.253x26.243x0.3563 | Reinf. 14 Tension Rupture | 40.7% | Pass |
| 94 - 90.08 | Pole + Reinf. | TP28.045x27.253x0.3125 | Pole | 48.8% | Pass |
| 90.08 - 89.83 | Pole + Reinf. | TP28.096x28.045x0.5125 | Reinf. 11 Tension Rupture | 40.6% | Pass |
| 89.83 - 89.5 | Pole + Reinf. | TP28.162x28.096x0.5125 | Reinf. 11 Tension Rupture | 41.2% | Pass |
| 89.5 - 89.25 | Pole + Reinf. | TP28.213x28.162x0.725 | Reinf. 15 Tension Rupture | 31.9% | Pass |
| 89.25 - 84.25 | Pole + Reinf. | TP29.223x28.213x0.7 | Reinf. 15 Tension Rupture | 38.5% | Pass |
| 84.25 - 81.75 | Pole + Reinf. | TP30.486x29.223x0.7 | Reinf. 15 Tension Rupture | 42.0% | Pass |
| 81.75 - 77 | Pole + Reinf. | TP30.188x29.228x0.8625 | Reinf. 17 Tension Rupture | 38.2% | Pass |
| 77 - 76.75 | Pole + Reinf. | TP30.239x30.188x0.8625 | Reinf. 17 Tension Rupture | 38.5% | Pass |
| 76.75 - 76.5 | Pole + Reinf. | TP30.289x30.239x0.9625 | Reinf. 14 Tension Rupture | 36.2% | Pass |
| 76.5 - 75.5 | Pole + Reinf. | TP30.491x30.289x0.9625 | Reinf. 14 Tension Rupture | 37.1% | Pass |
| 75.5 - 75.25 | Pole + Reinf. | TP30.542x30.491x0.7625 | Reinf. 17 Tension Rupture | 42.7% | Pass |
| 75.25 - 74.5 | Pole + Reinf. | TP30.693x30.542x0.7625 | Reinf. 17 Tension Rupture | 43.5% | Pass |
| 74.5 - 74.25 | Pole + Reinf. | TP30.744x30.693x0.8375 | Reinf. 17 Tension Rupture | 45.8% | Pass |
| 74.25 - 72 | Pole + Reinf. | TP31.198x30.744x0.825 | Reinf. 17 Tension Rupture | 48.2% | Pass |
| 72 - 71.75 | Pole + Reinf. | TP31.249x31.198x0.7625 | Reinf. 17 Tension Rupture | 46.2% | Pass |
| 71.75 - 70.5 | Pole + Reinf. | TP31.501x31.249x0.7625 | Reinf. 17 Tension Rupture | 47.4% | Pass |
| 70.5 - 70.25 | Pole + Reinf. | TP31.552x31.501x0.7875 | Reinf. 17 Tension Rupture | 47.5% | Pass |
| 70.25 - 70 | Pole + Reinf. | TP31.602x31.552x0.7875 | Reinf. 17 Tension Rupture | 47.7% | Pass |
| 70 - 69.75 | Pole + Reinf. | TP31.653x31.602x0.725 | Reinf. 17 Tension Rupture | 49.5% | Pass |
| 69.75 - 69.5 | Pole + Reinf. | TP31.703x31.653x0.875 | Reinf. 4 Tension Rupture | 42.0% | Pass |
| 69.5 - 69.25 | Pole + Reinf. | TP31.754x31.703x0.75 | Reinf. 4 Tension Rupture | 47.0% | Pass |
| 69.25 - 64.25 | Pole + Reinf. | TP32.764x31.754x0.7375 | Reinf. 4 Tension Rupture | 51.4% | Pass |
| 64.25 - 59.25 | Pole + Reinf. | TP33.774x32.764x0.7125 | Reinf. 4 Tension Rupture | 55.5% | Pass |
| 59.25 - 56 | Pole + Reinf. | TP34.431x33.774x0.7125 | Reinf. 4 Tension Rupture | 58.0% | Pass |
| 56 - 55.75 | Pole + Reinf. | TP34.481x34.431x0.8125 | Reinf. 7 Tension Rupture | 55.8% | Pass |
| 55.75 - 55.5 | Pole + Reinf. | TP34.532x34.481x0.8125 | Reinf. 7 Tension Rupture | 56.0% | Pass |
| 55.5 - 55.25 | Pole + Reinf. | TP34.582x34.532x0.8875 | Reinf. 7 Tension Rupture | 50.4% | Pass |
| 55.25 - 54 | Pole + Reinf. | TP34.835x34.582x0.875 | Reinf. 7 Tension Rupture | 51.3% | Pass |
| 54 - 53.75 | Pole + Reinf. | TP34.885x34.835x0.75 | Reinf. 7 Tension Rupture | 58.8% | Pass |
| 53.75 - 53.5 | Pole + Reinf. | TP34.936x34.885x0.7375 | Reinf. 7 Tension Rupture | 59.0% | Pass |
| 53.5 - 53.25 | Pole + Reinf. | TP34.986x34.936x0.6625 | Reinf. 4 Tension Rupture | 63.4% | Pass |
| 53.25 - 53 | Pole + Reinf. | TP35.037x34.986x0.6 | Reinf. 12 Tension Rupture | 65.5% | Pass |
| 53 - 48 | Pole + Reinf. | TP36.047x35.037x0.5875 | Reinf. 12 Tension Rupture | 69.4% | Pass |
| 48 - 44.5 | Pole + Reinf. | TP37.714x36.047x0.5875 | Reinf. 12 Tension Rupture | 72.0% | Pass |
| 44.5 - 38.75 | Pole + Reinf. | TP37.291x36.129x0.6625 | Reinf. 4 Tension Rupture | 70.2% | Pass |
| 38.75 - 34.75 | Pole + Reinf. | TP38.099x37.291x0.6625 | Reinf. 4 Tension Rupture | 72.3% | Pass |
| 34.75 - 34.5 | Pole + Reinf. | TP38.15x38.099x0.825 | Reinf. 3 Tension Rupture | 58.0% | Pass |
| 34.5 - 33.75 | Pole + Reinf. | TP38.301x38.15x0.825 | Reinf. 3 Tension Rupture | 58.3% | Pass |
| 33.75 - 33.5 | Pole + Reinf. | TP38.352x38.301x0.625 | Reinf. 6 Tension Rupture | 71.8% | Pass |
| 33.5 - 28.5 | Pole + Reinf. | TP39.362x38.352x0.6125 | Reinf. 6 Tension Rupture | 74.1% | Pass |
| 28.5 - 24 | Pole + Reinf. | TP40.271x39.362x0.6625 | Reinf. 3 Tension Rupture | 76.2% | Pass |
| 24 - 23.75 | Pole + Reinf. | TP40.322x40.271x0.7 | Reinf. 3 Tension Rupture | 72.8% | Pass |
| 23.75 - 18.75 | Pole + Reinf. | TP41.332x40.322x0.6875 | Reinf. 3 Tension Rupture | 74.9% | Pass |
| 18.75 - 14.25 | Pole + Reinf. | TP42.241x41.332x0.675 | Reinf. 3 Tension Rupture | 76.7% | Pass |
| 14.25 - 14 | Pole + Reinf. | TP42.291x42.241x0.775 | Reinf. 3 Tension Rupture | 66.8% | Pass |
| 14 - 9 | Pole + Reinf. | TP43.302x42.291x0.7625 | Reinf. 3 Tension Rupture | 68.5% | Pass |
| 9 - 5 | Pole + Reinf. | TP44.11x43.302x0.75 | Reinf. 3 Tension Rupture | 69.8% | Pass |
| 5 - 4.75 | Pole + Reinf. | TP44.16x44.11x0.9125 | Reinf. 3 Tension Rupture | 63.3% | Pass |
| 4.75 - 4.5 | Pole + Reinf. | TP44.211x44.16x0.875 | Reinf. 1 Compression | 63.8% | Pass |
| 4.5 - 0 | Pole + Reinf. | TP45.12x44.211x0.85 | Reinf. 1 Compression | 65.0% | Pass |
| | | | | Summary | |
| | | | Pole | 57.3% | Pass |
| | | | Reinforcement | 76.7% | Pass |
| | | | Overall | 76.7% | Pass |

Additional Calculations

| Section Elevation (ft) | Moment of Inertia (in ⁴) | | | Area (in ²) | | | % Capacity* (100% Max. Allowable) | | | | | | | | | | | | | | | | | | | | | |
|------------------------|--------------------------------------|--------|-------|-------------------------|--------|--------|-----------------------------------|----|----|----|-------|----|-------|----|----|----|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|
| | Pole | Reinf. | Total | Pole | Reinf. | Total | Pole | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | R19 | R20 | R21 |
| 120 - 115 | 1213 | n/a | 1213 | 18.30 | n/a | 18.30 | 6.7% | | | | | | | | | | | | | | | | | | | | | |
| 115 - 110 | 1382 | n/a | 1382 | 19.11 | n/a | 19.11 | 13.2% | | | | | | | | | | | | | | | | | | | | | |
| 110 - 105 | 1566 | n/a | 1566 | 19.92 | n/a | 19.92 | 20.6% | | | | | | | | | | | | | | | | | | | | | |
| 105 - 100 | 1765 | n/a | 1765 | 20.73 | n/a | 20.73 | 31.8% | | | | | | | | | | | | | | | | | | | | | |
| 100 - 99.25 | 1796 | n/a | 1796 | 20.85 | n/a | 20.85 | 33.2% | | | | | | | | | | | | | | | | | | | | | |
| 99.25 - 99 | 1892 | 740 | 2633 | 20.89 | 10.00 | 30.89 | 26.0% | | | | | | | | | | | | | | | 30.3% | | 30.3% | | | | |
| 99 - 94 | 2116 | 800 | 2916 | 21.71 | 10.00 | 31.71 | 35.3% | | | | | | | | | | | | | | | 40.7% | | 40.7% | | | | |
| 94 - 90.08 | 2439 | 519 | 2958 | 22.34 | 10.00 | 32.34 | 48.8% | | | | | | | | | | | | | | | 48.7% | | 48.7% | | | | |
| 90.08 - 89.83 | 2235 | 2180 | 4415 | 22.38 | 24.00 | 46.38 | 28.4% | | | | | | | | | | | 40.6% | | | | 39.1% | 34.0% | 39.2% | | | | |
| 89.83 - 89.5 | 2251 | 2190 | 4441 | 22.44 | 24.00 | 46.44 | 28.8% | | | | | | | | | | | 41.2% | | | | 39.6% | 34.5% | 39.7% | | | | |
| 89.5 - 89.25 | 2276 | 3952 | 6228 | 22.48 | 36.00 | 58.48 | 21.6% | | | | | | | | | | 26.0% | 31.2% | | | | 31.8% | 31.9% | 27.5% | | | | |
| 89.25 - 84.25 | 2531 | 4227 | 6758 | 23.29 | 36.00 | 59.29 | 26.5% | | | | | | | | | | 31.5% | 37.7% | | | | 38.4% | 38.5% | 33.4% | | | | |
| 84.25 - 81.75 | 2665 | 4368 | 7033 | 23.70 | 36.00 | 59.70 | 29.1% | | | | | | | | | | 34.3% | 41.0% | | | | 41.9% | 42.0% | 36.4% | | | | |
| 81.75 - 77 | 3434 | 5537 | 8970 | 30.02 | 51.00 | 81.02 | 24.4% | | | | | | | | | | 31.5% | 36.8% | | | | 38.1% | 34.0% | 32.2% | 38.2% | 30.8% | | |
| 77 - 76.75 | 3451 | 5554 | 9005 | 30.07 | 51.00 | 81.07 | 24.6% | | | | | | | | | | 31.7% | 37.0% | | | | 38.4% | 34.2% | 32.5% | 38.5% | 31.0% | | |
| 76.75 - 76.5 | 3483 | 6565 | 10048 | 30.12 | 56.00 | 86.12 | 22.7% | | | | | | | | | | 30.5% | 31.0% | | | | 36.2% | 32.6% | 32.6% | 34.1% | 31.2% | 34.3% | |
| 76.5 - 75.5 | 3554 | 6648 | 10202 | 30.32 | 56.00 | 86.32 | 23.3% | | | | | | | | | | 31.3% | 31.8% | | | | 37.1% | 33.4% | 33.5% | 35.0% | 32.0% | 35.1% | |
| 75.5 - 75.25 | 3566 | 4807 | 8362 | 30.37 | 46.00 | 76.37 | 27.8% | | | | | | | | | | 38.3% | 38.8% | | | | 37.8% | | | 42.7% | 40.8% | 37.3% | |
| 75.25 - 74.5 | 3609 | 4852 | 8461 | 30.53 | 46.00 | 76.53 | 28.4% | | | | | | | | | | 39.0% | 39.6% | | | | 38.5% | | | 43.5% | 41.6% | 38.0% | |
| 74.5 - 74.25 | 3738 | 5532 | 9270 | 30.58 | 41.00 | 71.58 | 28.9% | | | | | | | | | | 42.8% | 42.3% | | | | | | | 45.8% | 41.6% | 40.5% | |
| 74.25 - 72 | 3906 | 5690 | 9596 | 31.03 | 41.00 | 72.03 | 30.5% | | | | | | | | | | 45.0% | 44.5% | | | | | | | 48.2% | 43.8% | 42.6% | |
| 72 - 71.75 | 3808 | 5092 | 8900 | 31.09 | 49.13 | 80.21 | 29.9% | | | | | | | | | | 40.0% | 41.1% | | | | | | | 46.2% | 44.3% | 39.5% | |
| 71.75 - 70.5 | 3902 | 5171 | 9072 | 31.34 | 49.13 | 80.46 | 30.8% | | | | | | | | | | 41.1% | 42.2% | | | | | | | 47.4% | 45.5% | 40.6% | |
| 70.5 - 70.25 | 3925 | 5537 | 9462 | 31.39 | 53.63 | 85.01 | 30.1% | | | | | | | | | | 34.8% | 32.3% | | | | | | | 47.5% | 39.9% | 40.7% | |
| 70.25 - 70 | 3944 | 5554 | 9498 | 31.44 | 53.63 | 85.07 | 30.3% | | | | | | | | | | 35.0% | 32.5% | | | | | | | 47.7% | 40.1% | 41.0% | |
| 70 - 69.75 | 3961 | 4823 | 8785 | 31.49 | 48.63 | 80.12 | 33.2% | | | | | | | | | | 42.4% | 32.5% | 43.7% | 44.2% | | | | | 49.5% | | 40.9% | |
| 69.75 - 69.5 | 4028 | 6551 | 10579 | 31.54 | 53.63 | 85.17 | 28.7% | | | | 42.0% | | | | | | 36.0% | 32.0% | 40.9% | 34.4% | | | | | | | | |
| 69.5 - 69.25 | 4004 | 5187 | 9190 | 31.59 | 41.63 | 73.22 | 32.4% | | | | 47.0% | | | | | | 46.6% | 36.4% | 44.6% | | | | | | | | | |
| 69.25 - 64.25 | 4401 | 5507 | 9909 | 32.61 | 41.63 | 74.23 | 35.9% | | | | 51.4% | | | | | | 51.1% | 40.0% | 48.9% | | | | | | | | | |
| 64.25 - 59.25 | 4825 | 5838 | 10663 | 33.62 | 41.63 | 75.25 | 39.2% | | | | 55.5% | | | | | | 55.2% | 43.3% | 52.9% | | | | | | | | | |
| 59.25 - 56 | 5114 | 6058 | 11172 | 34.28 | 41.63 | 75.91 | 41.4% | | | | 58.0% | | | | | | 57.8% | 45.3% | 55.4% | | | | | | | | | |
| 56 - 55.75 | 5209 | 7530 | 12738 | 34.33 | 55.13 | 89.46 | 38.0% | | | | 55.1% | | | | | | 55.8% | 37.6% | 47.4% | | | 48.3% | | | | | | |
| 55.75 - 55.5 | 5232 | 7551 | 12782 | 34.38 | 55.13 | 89.51 | 38.1% | | | | 55.3% | | | | | | 56.0% | 37.8% | 47.6% | | | 48.5% | | | | | | |
| 55.5 - 55.25 | 5199 | 8671 | 13870 | 34.43 | 59.63 | 94.06 | 34.8% | | | | 47.6% | | | | | | 50.4% | 37.7% | 46.0% | | | 45.7% | 47.7% | | | | | |
| 55.25 - 54 | 5314 | 8793 | 14107 | 34.69 | 59.63 | 94.31 | 35.5% | | | | 48.4% | | | | | | 51.3% | 38.3% | 46.8% | | | 46.4% | 48.5% | | | | | |
| 54 - 53.75 | 5328 | 6906 | 12234 | 34.74 | 50.63 | 85.36 | 41.1% | | | | 52.6% | | | | | | 58.8% | 43.2% | | | | 52.4% | 50.7% | | | | | |
| 53.75 - 53.5 | 5351 | 6925 | 12276 | 34.79 | 50.63 | 85.41 | 41.3% | | | | 52.7% | | | | | | 59.0% | 43.4% | | | | 52.6% | 50.9% | | | | | |
| 53.5 - 53.25 | 5418 | 5610 | 11027 | 34.84 | 46.13 | 80.97 | 47.3% | | | | 63.4% | | | | | | | | | | | 56.9% | 59.2% | | | | | |
| 53.25 - 53 | 5388 | 4730 | 10118 | 34.89 | 38.00 | 72.89 | 50.0% | | | | 63.7% | | | | | | | | | | | 65.5% | 58.9% | | | | | |
| 53 - 48 | 5872 | 4982 | 10854 | 35.91 | 38.00 | 73.91 | 53.6% | | | | 67.2% | | | | | | | | | | | 69.4% | 62.4% | | | | | |
| 48 - 44.5 | 6228 | 5162 | 11390 | 36.62 | 38.00 | 74.62 | 56.0% | | | | 69.5% | | | | | | | | | | | 72.0% | 64.8% | | | | | |
| 44.5 - 38.75 | 7765 | 5730 | 13494 | 44.51 | 31.68 | 76.19 | 49.1% | | | | | | 65.4% | | | | | | | | | | | | | | | |
| 38.75 - 34.75 | 8286 | 5977 | 14263 | 45.49 | 31.68 | 77.17 | 51.0% | | | | | | | | | | | | | | | | | | | | | |
| 34.75 - 34.5 | 8319 | 9340 | 17659 | 45.55 | 51.68 | 97.23 | 40.9% | | | | 58.0% | | | | | | | | | | | 57.1% | 57.1% | | | | | |
| 34.5 - 33.75 | 8419 | 9410 | 17829 | 45.73 | 51.68 | 97.41 | 41.2% | | | | 58.3% | | | | | | | | | | | | | | | | | |
| 33.75 - 33.5 | 8462 | 5245 | 13707 | 45.79 | 31.68 | 77.47 | 55.0% | | | | | | | | | | | | | | | | | | | | | |
| 33.5 - 28.5 | 9155 | 5523 | 14678 | 47.01 | 31.68 | 78.69 | 57.3% | | | | | | | | | | | | | | | | | | | | | |
| 28.5 - 24 | 9807 | 7211 | 17019 | 48.11 | 31.68 | 79.79 | 53.4% | | | | | | | | | | | | | | | | | | | | | |
| 24 - 23.75 | 9844 | 8023 | 17867 | 48.17 | 36.52 | 84.69 | 51.0% | | | | 69.5% | | | | | | | | | | | | | | | | | |
| 23.75 - 18.75 | 10609 | 8417 | 19026 | 49.38 | 36.52 | 85.90 | 53.1% | | | | | | | | | | | | | | | | | | | | | |
| 18.75 - 14.25 | 11331 | 8779 | 20110 | 50.48 | 36.52 | 87.00 | 54.8% | | | | | | | | | | | | | | | | | | | | | |
| 14.25 - 14 | 11366 | 11460 | 22827 | 50.54 | 48.20 | 98.74 | 49.4% | | | | | | | | | | | | | | | | | | | | | |
| 14 - 9 | 12208 | 11986 | 24194 | 51.76 | 48.20 | 99.96 | 51.3% | | | | | | | | | | | | | | | | | | | | | |
| 9 - 5 | 12911 | 12415 | 25326 | 52.73 | 48.20 | 100.93 | 52.8% | | | | | | | | | | | | | | | | | | | | | |
| 5 - 4.75 | 13162 | 17431 | 30593 | 52.80 | 61.25 | 114.04 | 46.2% | | | | | | | | | | | | | | | | | | | | 53.1% | 46.6% |
| 4.75 - 4.5 | 13034 | 16199 | 29233 | 52.86 | 56.25 | 109.10 | 47.7% | | | | | | | | | | | | | | | | | | | | 43.7% | 55.8% |
| 4.5 - 0 | 13862 | 16787 | 30648 | 53.95 | 56.25 | 110.20 | 49.4% | | | | | | | | | | | | | | | | | | | | 44.7% | 57.0% |

Note: Section capacity checked using 5 degree increments.
 *Rating per TIA-222-H Section 15.5.

Monopole Base Plate Connection

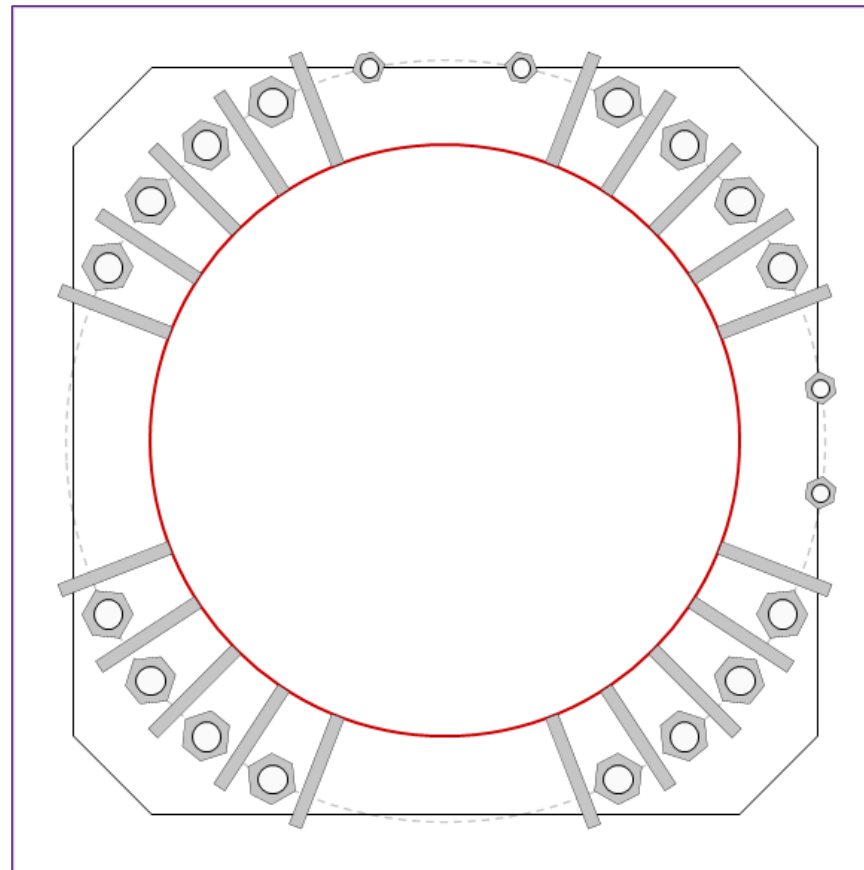


| Site Info | |
|-----------|----------------------|
| BU # | 876320 |
| Site Name | 528 Wheelers Farm Rd |
| Order # | 623006 Rev 0 |

| Analysis Considerations | |
|-------------------------|------------------|
| TIA-222 Revision | H |
| Grout Considered: | See Custom Sheet |
| l_{ar} (in) | See Custom Sheet |

| Applied Loads | |
|--------------------|---------|
| Moment (kip-ft) | 3223.58 |
| Axial Force (kips) | 63.32 |
| Shear Force (kips) | 36.08 |

*TIA-222-H Section 15.5 Applied



| Connection Properties | Analysis Results |
|-----------------------|------------------|
|-----------------------|------------------|

Anchor Rod Data

GROUP 1: (16) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 58" BC
Anchor Spacing: 6 in

GROUP 2: (4) 1-3/8" ϕ bolts (R71 150ksi 1-3/8" N; $F_y=120$ ksi, $F_u=125$ ksi) on 58" BC
pos. (deg): 7.9, 78.4, 101.6, 352.1

Base Plate Data

57" W x 3.25" Plate (A572-50; $F_y=50$ ksi, $F_u=65$ ksi); Clip: 6 in

Stiffener Data

(20) 18"H x 9"W x 1"T, Notch: 0.75"
 plate: $F_y= 50$ ksi ; weld: $F_y= 80$ ksi
 horiz. weld: 0.5" groove, 45° dbl bevel, 0.5" fillet
 vert. weld: 0.375" fillet

Pole Data

45.12" x 0.375" 12-sided pole (A607-60; $F_y=60$ ksi, $F_u=75$ ksi)

Anchor Rod Summary *(units of kips, kip-in)*

| | | |
|-------------------|-------------------------|----------------------|
| GROUP 1: | | |
| $P_{u,t} = 158.8$ | $\phi P_{n,t} = 243.75$ | Stress Rating |
| $V_u = 2.26$ | $\phi V_n = 149.1$ | 62.0% |
| $M_u = n/a$ | $\phi M_n = n/a$ | Pass |
| GROUP 2: | | |
| $P_{u,t} = 53.13$ | $\phi P_{n,t} = 108.75$ | Stress Rating |
| $V_u = 0$ | $\phi V_n = 69.6$ | 46.5% |
| $M_u = n/a$ | $\phi M_n = n/a$ | Pass |

Base Plate Summary

| | | |
|-------------------------|--------------|-------------|
| Max Stress (ksi): | 3.19 | (Shear) |
| Allowable Stress (ksi): | 29.25 | |
| Stress Rating: | 10.4% | Pass |

Stiffener Summary

| | | |
|----------------------|--------------|-------------|
| Horizontal Weld: | 31.7% | Pass |
| Vertical Weld: | 42.0% | Pass |
| Plate Flexure+Shear: | 15.6% | Pass |
| Plate Tension+Shear: | 32.8% | Pass |
| Plate Compression: | 46.8% | Pass |

Pole Summary

| | | |
|-----------------|--------------|-------------|
| Punching Shear: | 18.3% | Pass |
|-----------------|--------------|-------------|

CClplate

Elevation (ft) | 0 (Base)

note: Bending interaction not considered when Grout Considered = "Yes"

| Bolt Group | Resist Axial | Resist Shear | Induce Plate Bending | Grout Considered | Apply at BARB Elevation | BARB CL Elevation (ft) |
|------------|--------------|--------------|----------------------|------------------|-------------------------|------------------------|
| 1 | Yes | Yes | Yes | No | No | |
| 2 | No | No | No | No | | |

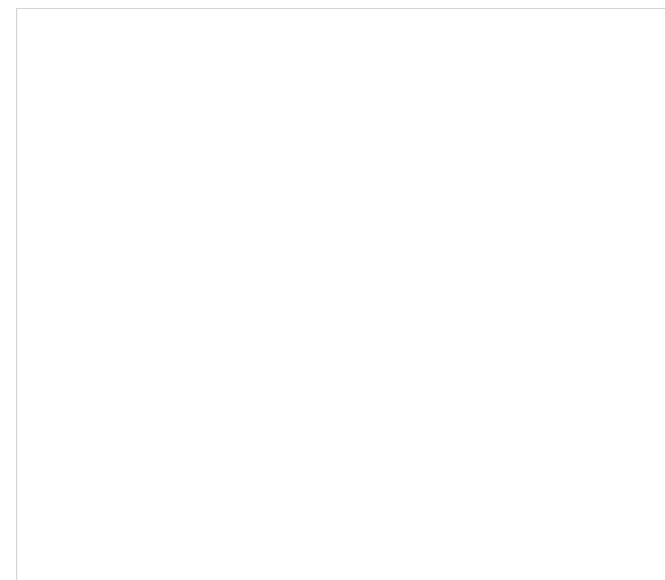
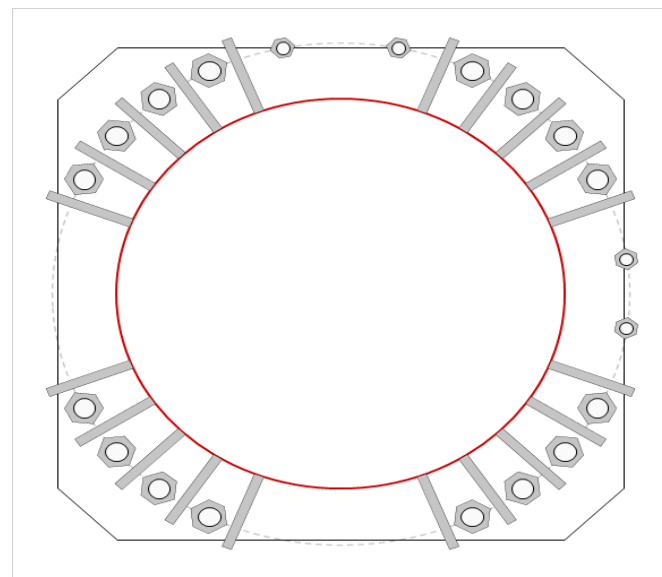
Custom Bolt Connection

| Bolt | Bolt Group ID | Location (deg.) | Diameter (in) | Material | Bolt Circle (in) | Eta Factor, η: | I_{xx} (in): | Thread Type | Area Override, in ² | Tension Only |
|------|---------------|-----------------|---------------|-------------------|------------------|----------------|----------------|-------------|--------------------------------|--------------|
| 1 | 1 | 27.1866826 | 2.25 | A615-75 | 58 | 0.5 | 2 | N-Included | | No |
| 2 | 1 | 39.0622275 | 2.25 | A615-75 | 58 | 0.5 | 2 | N-Included | | No |
| 3 | 1 | 50.9377725 | 2.25 | A615-75 | 58 | 0.5 | 2 | N-Included | | No |
| 4 | 1 | 62.8133174 | 2.25 | A615-75 | 58 | 0.5 | 2 | N-Included | | No |
| 5 | 1 | 117.186683 | 2.25 | A615-75 | 58 | 0.5 | 2 | N-Included | | No |
| 6 | 1 | 129.062228 | 2.25 | A615-75 | 58 | 0.5 | 2 | N-Included | | No |
| 7 | 1 | 140.937772 | 2.25 | A615-75 | 58 | 0.5 | 2 | N-Included | | No |
| 8 | 1 | 152.813317 | 2.25 | A615-75 | 58 | 0.5 | 2 | N-Included | | No |
| 9 | 1 | 207.186683 | 2.25 | A615-75 | 58 | 0.5 | 2 | N-Included | | No |
| 10 | 1 | 219.062228 | 2.25 | A615-75 | 58 | 0.5 | 2 | N-Included | | No |
| 11 | 1 | 230.937772 | 2.25 | A615-75 | 58 | 0.5 | 2 | N-Included | | No |
| 12 | 1 | 242.813317 | 2.25 | A615-75 | 58 | 0.5 | 2 | N-Included | | No |
| 13 | 1 | 297.186683 | 2.25 | A615-75 | 58 | 0.5 | 2 | N-Included | | No |
| 14 | 1 | 309.062228 | 2.25 | A615-75 | 58 | 0.5 | 2 | N-Included | | No |
| 15 | 1 | 320.937772 | 2.25 | A615-75 | 58 | 0.5 | 2 | N-Included | | No |
| 16 | 1 | 332.813317 | 2.25 | A615-75 | 58 | 0.5 | 2 | N-Included | | No |
| 17 | 2 | 7.9 | 1.375 | R71 150ksi 1-3/8" | 58 | 0.5 | 0.25 | N-Included | | No |
| 18 | 2 | 78.4 | 1.375 | R71 150ksi 1-3/8" | 58 | 0.5 | 0.25 | N-Included | | No |
| 19 | 2 | 101.6 | 1.375 | R71 150ksi 1-3/8" | 58 | 0.5 | 0.25 | N-Included | | No |
| 20 | 2 | 352.1 | 1.375 | R71 150ksi 1-3/8" | 58 | 0.5 | 0.25 | N-Included | | No |

Custom Stiffener Connection

| Stiffener | Stiffener Group ID | Location (deg.) | Width (in) | Height (in) | Thickness (in) | H. Notch (in) | V. Notch (in) | Grade (ksi) | Weld Type | Groove Depth (in) | Groove Angle (deg.) | H. Fillet Weld Size (in) | V. Fillet Weld Size (in) | Weld Strength (ksi) |
|-----------|--------------------|-----------------|------------|-------------|----------------|---------------|---------------|-------------|-----------|-------------------|---------------------|--------------------------|--------------------------|---------------------|
| 1 | 1 | 21.2489102 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |
| 2 | 1 | 33.1244551 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |
| 3 | 1 | 45 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |
| 4 | 1 | 56.8755449 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |
| 5 | 1 | 68.7510898 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |
| 6 | 1 | 111.24891 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |
| 7 | 1 | 123.124455 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |
| 8 | 1 | 135 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |
| 9 | 1 | 146.875545 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |
| 10 | 1 | 158.75109 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |
| 11 | 1 | 201.24891 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |
| 12 | 1 | 213.124455 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |
| 13 | 1 | 225 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |
| 14 | 1 | 236.875545 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |
| 15 | 1 | 248.75109 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |
| 16 | 1 | 291.24891 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |
| 17 | 1 | 303.124455 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |
| 18 | 1 | 315 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |
| 19 | 1 | 326.875545 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |
| 20 | 1 | 338.75109 | 9 | 18 | 1 | 0.75 | 0.75 | 50 | Both | 0.5 | 45 | 0.5 | 0.375 | 80 |

Plot Graphic



Drilled Pier Foundation

| | |
|-------------------|----------------------|
| BU # : | 876320 |
| Site Name: | 528 Wheelers Farm Rd |
| Order Number: | 623006 Rev 0 |
| TIA-222 Revision: | H |
| Tower Type: | Monopole |



| Applied Loads | | |
|--------------------|---------|--------|
| | Comp. | Uplift |
| Moment (kip-ft) | 3223.58 | |
| Axial Force (kips) | 63.33 | |
| Shear Force (kips) | 36.06 | |

| Material Properties | | |
|--------------------------|----|-----|
| Concrete Strength, f'c: | 3 | ksi |
| Rebar Strength, Fy: | 60 | ksi |
| Tie Yield Strength, Fyt: | 40 | ksi |

| Pier Design Data | | |
|---|-----|----|
| Depth | 19 | ft |
| Ext. Above Grade | 0.5 | ft |
| Pier Section 1 | | |
| <i>From 0.5' above grade to 19' below grade</i> | | |
| Pier Diameter | 7 | ft |
| Rebar Quantity | 32 | |
| Rebar Size | 11 | |
| Clear Cover to Ties | 4 | in |
| Tie Size | 5 | |
| Tie Spacing | 18 | in |

| Rebar 2, Fy Override (ksi) | Rebar 3, Fy Override (ksi) |
|----------------------------|----------------------------|
| | |

[Rebar & Pier Options](#)
[Embedded Pole Inputs](#)
[Belled Pier Inputs](#)

Analysis Results

| Soil Lateral Check | Compression | Uplift |
|--------------------------------|-------------|--------|
| D _{v=0} (ft from TOC) | 5.74 | - |
| Soil Safety Factor | 2.57 | - |
| Max Moment (kip-ft) | 3408.67 | - |
| Rating* | 49.3% | - |

| Soil Vertical Check | Compression | Uplift |
|---------------------------|-------------|--------|
| Skin Friction (kips) | 525.00 | - |
| End Bearing (kips) | 600.00 | - |
| Weight of Concrete (kips) | 100.49 | - |
| Total Capacity (kips) | 1125.00 | - |
| Axial (kips) | 163.82 | - |
| Rating* | 13.9% | - |

| Reinforced Concrete Flexure | Compression | Uplift |
|------------------------------|-------------|--------|
| Critical Depth (ft from TOC) | 5.57 | - |
| Critical Moment (kip-ft) | 3408.25 | - |
| Critical Moment Capacity | 7548.41 | - |
| Rating* | 43.0% | - |

| Reinforced Concrete Shear | Compression | Uplift |
|------------------------------|-------------|--------|
| Critical Depth (ft from TOC) | 15.42 | - |
| Critical Shear (kip) | 578.56 | - |
| Critical Shear Capacity | 699.23 | - |
| Rating* | 78.8% | - |

| | |
|--------------------------------------|--------------|
| Structural Foundation Rating* | 78.8% |
| Soil Interaction Rating* | 49.3% |

*Rating per TIA-222-H Section 15.5

| Check Limitation | |
|---------------------------------------|-------------------------------------|
| Apply TIA-222-H Section 15.5: | <input checked="" type="checkbox"/> |
| N/A | <input type="checkbox"/> |
| Additional Longitudinal Rebar | |
| Input Effective Depths (else Actual): | <input checked="" type="checkbox"/> |
| Shear Design Options | |
| Check Shear along Depth of Pier: | <input checked="" type="checkbox"/> |
| Utilize Shear-Friction Methodology: | <input type="checkbox"/> |
| Override Critical Depth: | <input type="checkbox"/> |

[Go to Soil Calculations](#)

| Soil Profile | | | |
|-------------------|---|-------------|---|
| Groundwater Depth | 7 | # of Layers | 7 |

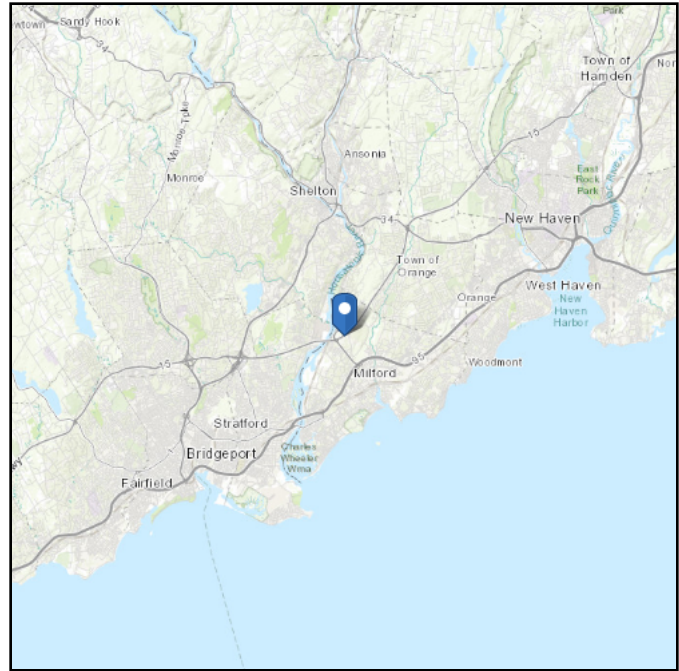
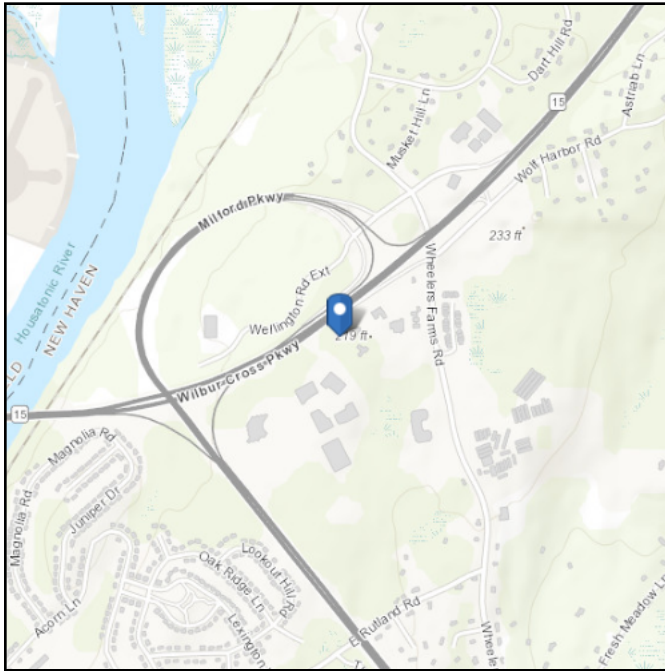
| Layer | Top (ft) | Bottom (ft) | Thickness (ft) | γ _{soil} (pcf) | γ _{concrete} (pcf) | Cohesion (ksf) | Angle of Friction (degrees) | Calculated Ultimate Skin Friction Comp (ksf) | Calculated Ultimate Skin Friction Uplift (ksf) | Ultimate Skin Friction Comp Override (ksf) | Ultimate Skin Friction Uplift Override (ksf) | Ult. Gross Bearing Capacity (ksf) | SPT Blow Count | Soil Type |
|-------|----------|-------------|----------------|-------------------------|-----------------------------|----------------|-----------------------------|--|--|--|--|-----------------------------------|----------------|--------------|
| 1 | 0 | 2 | 2 | 100 | 150 | 0 | 0 | 0.000 | 0.000 | 0.00 | 0.00 | | | Cohesionless |
| 2 | 2 | 3.5 | 1.5 | 135 | 150 | 0 | 0 | 0.000 | 0.000 | 0.00 | 0.00 | | | Cohesionless |
| 3 | 3.5 | 6 | 2.5 | 135 | 150 | 0 | 42 | 0.000 | 0.000 | 0.00 | 0.00 | | | Cohesionless |
| 4 | 6 | 7 | 1 | 135 | 150 | 0 | 42 | 0.000 | 0.000 | 1.28 | 1.28 | | | Cohesionless |
| 5 | 7 | 13.5 | 6.5 | 72.6 | 87.6 | 0 | 42 | 0.000 | 0.000 | 1.28 | 1.28 | | | Cohesionless |
| 6 | 13.5 | 14 | 0.5 | 77.6 | 87.6 | 8 | 0 | 3.600 | 3.600 | 1.28 | 1.28 | | | Cohesive |
| 7 | 14 | 19 | 5 | 77.6 | 87.6 | 8 | 0 | 3.60 | 3.60 | 4.32 | 4.32 | 20.78758 | | Cohesive |

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see Section 11.4.3)

Elevation: 212.97 ft (NAVD 88)
Latitude: 41.248431
Longitude: -73.079075



Wind

Results:

| | |
|--------------|----------|
| Wind Speed | 119 Vmph |
| 10-year MRI | 75 Vmph |
| 25-year MRI | 85 Vmph |
| 50-year MRI | 90 Vmph |
| 100-year MRI | 98 Vmph |

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Wed Jun 22 2022

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

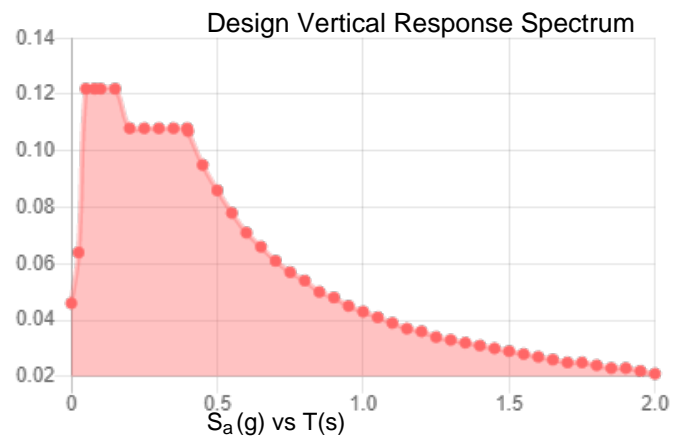
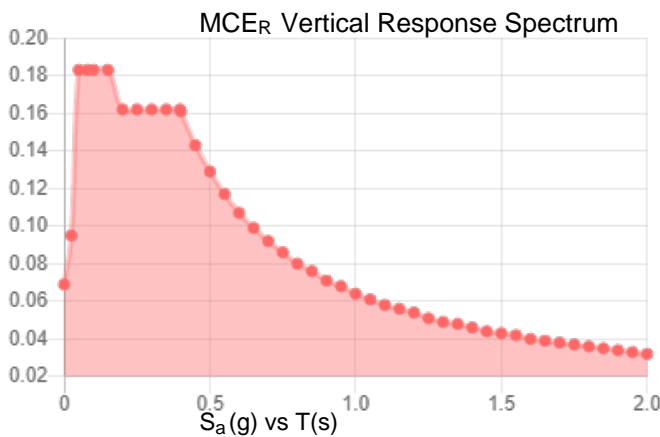
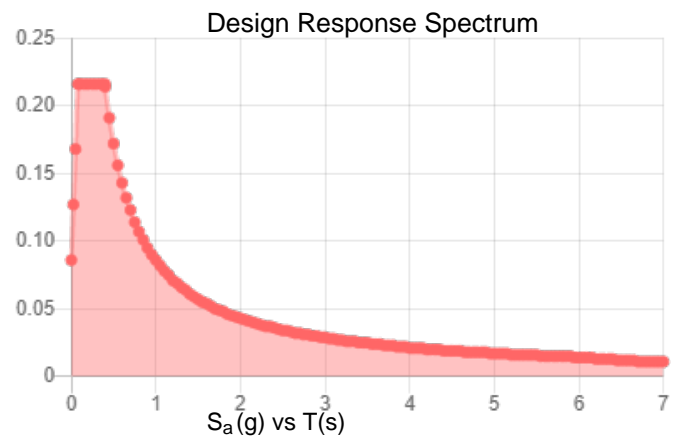
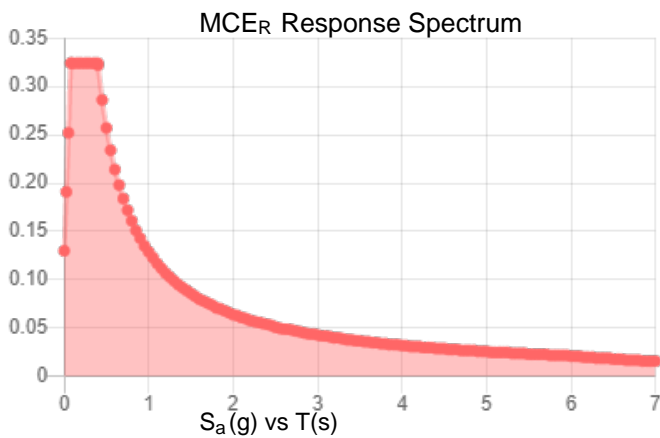
Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Site Soil Class: D - Default (see Section 11.4.3)

Results:

| | | | |
|------------|-------|--------------------|-------|
| S_s : | 0.203 | S_{D1} : | 0.086 |
| S_1 : | 0.054 | T_L : | 6 |
| F_a : | 1.6 | PGA : | 0.114 |
| F_v : | 2.4 | PGA _M : | 0.179 |
| S_{MS} : | 0.324 | F_{PGA} : | 1.572 |
| S_{M1} : | 0.129 | I_e : | 1 |
| S_{DS} : | 0.216 | C_v : | 0.705 |

Seismic Design Category B



Data Accessed: Wed Jun 22 2022

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness: 1.00 in.
Concurrent Temperature: 15 F
Gust Speed 50 mph

Data Source: Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

Date Accessed: Wed Jun 22 2022

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

The ASCE 7 Hazard Tool is provided for your convenience, for informational purposes only, and is provided “as is” and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE 7 standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

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Exhibit E

Mount Analysis



Maser Consulting Connecticut
1055 Washington Boulevard
Stamford, CT 06901
203.324.0800
peter.albano@colliersengineering.com

Antenna Mount Analysis Report with Hardware Upgrades and PMI Requirements

Mount Analysis

SMART Tool Project #: 10142613
Maser Consulting Connecticut Project #: 22777071A

May 24, 2022

Site Information

Site ID: 468756-VZW / MILFORD NE CT
Site Name: MILFORD NE CT
Carrier Name: Verizon Wireless
Address: 528 Wheelers Farm Road
Milford, Connecticut 06460
New Haven County
Latitude: 41.248431°
Longitude: -73.079075°

Structure Information

Tower Type: 125-Ft Monopole
Mount Type: 12.50-Ft Platform

FUZE ID # 16659753

Analysis Results

Platform: 95.9% Pass w/ Hardware Upgrades*

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

***Contractor PMI Requirements:

Included at the end of this MA report
Available & Submitted via portal at <https://pmi.vzwsmart.com>
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Madison Shell



Executive Summary:

The objective of this report is to determine the capacity of the antenna support mount at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

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: 674970, dated May 16, 2022 |
| Mount Mapping Report | Onsight Services, LLC, Site ID: 764756, dated April 24, 2022 |

Analysis Criteria:

| | |
|-------------------------|---|
| Codes and Standards: | ANSI/TIA-222-H |
| Wind Parameters: | Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 119 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.992 |
| Seismic Parameters: | S_s : 0.203 g S_1 : 0.054 g |
| Maintenance Parameters: | Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 500 lbs. |
| Analysis Software: | RISA-3D (V17) |

Final Loading Configuration:

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

| Mount Elevation (ft) | Equipment Elevation (ft) | Quantity | Manufacturer | Model | Status |
|----------------------|--------------------------|----------|--------------|------------------------|----------|
| 108.00 | 111.80 | 3 | Samsung | XXDWMM-12.5-65-8T-CBRS | Retained |
| | 110.00 | 4 | Commscope | JAHH-45B-R3B | |
| | | 2 | Commscope | JAHH-65B-R3B | |
| | | 3 | Commscope | CBC78T-DS-43-2X | |
| | | 3 | Samsung | B2/B66A RRH-BR049 | |
| | | 3 | Samsung | B5/B13 RRH-BR04C | |
| | | 1 | Raycap | RRFDC-3315-PF-48 | |
| | | 1 | Raycap | RRFDC-3315-PF-48* | |
| | | 3 | Samsung | MT6407-77A | |

* Equipment is flush mounted directly to the Monopole. They are not mounted on Platform mounts and are not included in this mount analysis.

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

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

Standard Conditions:

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer’s specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - o Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - o HSS (Rectangular) ASTM 500 (Gr. B-46)
 - o Pipe ASTM A53 (Gr. B-35)
 - o Threaded Rod F1554 (Gr. 36)
 - o Bolts ASTM A325

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

Analysis Results:

| Component | Utilization % | Pass/Fail |
|---------------------|---------------|-----------|
| Standoff HSS | 11.1 % | Pass |
| Grating Angle | 20.5 % | Pass |
| Corner Plate | 34.5 % | Pass |
| Face Horizontal | 31.0 % | Pass |
| Support Rail | 27.9 % | Pass |
| Mount Pipe | 27.3 % | Pass |
| Support Rail Brace | 65.1 % | Pass |
| Kicker | 5.4 % | Pass |
| Cross Brace | 95.9 % | Pass |
| Standoff HSS Sleeve | 3.8 % | Pass |
| Mount Connection | 16.4 % | Pass |

| | |
|---|---------------|
| Structure Rating – (Controlling Utilization of all Components) | 95.9%* |
|---|---------------|

* Results valid after hardware upgrades noted in the PMI Requirements are installed

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

| Ice Thickness (In) | Mount Pipes Excluded | | Mount Pipes Included | |
|--------------------|------------------------|-----------------------|------------------------|-----------------------|
| | Front (EPA)a (Sq. Ft.) | Side (EPA)a (Sq. Ft.) | Front (EPA)a (Sq. Ft.) | Side (EPA)a (Sq. Ft.) |
| 0 | 34.5 | 34.5 | 55.8 | 55.8 |
| 0.5 | 45.7 | 45.7 | 75.6 | 75.6 |
| 1 | 54.6 | 54.7 | 93.1 | 93.1 |

Notes:

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

Requirements:

The existing mount will be **SUFFICIENT** for the final loading configuration shown in attachment 2 upon the completion of the requirements listed below.

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

Contractor shall replace all support rail to mount pipe connections with VZWSMART MSK2 kits.

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

Attachments:

1. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
2. Antenna Placement Diagrams
3. Mount Photos
4. Mount Mapping Report (for reference only)
5. Analysis Calculations

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

Passing Mount Analysis requires a PMI due to a modification in loading.

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

For additional questions and support, please reach out to pmisupport@colliersengineering.com

PSLC #: 468756

SMART Project #: 10142613

Fuze Project ID: 16659753

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

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

Base Requirements:

- If installation will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide “as built mount drawings” showing contractor’s name, contact information, preparer’s signature, and date. Any deviations from the drawings (Proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo should be time and date stamped
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: <https://pmi.vzsmart.com>

Photo Requirements:

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

- Photos showing each individual sector after installation. Each entire sector shall be in one photo to show the interconnection of members.
 - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.

Antenna & equipment placement and Geometry Confirmation:

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

OR

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

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

Issue:

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

Contractor shall replace all support rail to mount pipe connections with VZWSMART MSK2 kits.

Response:

Special Instruction Confirmation:

- The contractor has read and acknowledges the above special instructions.
- All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.

The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) and included in the material certification folder is a packing list or invoice for these materials.

OR

The material utilized was approved by a SMART Tool engineering vendor as an “equivalent” and this approval is included as part of the contractor submission.

Comments:

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

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

Yes No

Contractor certifies no new damage created during the current installation:

Yes No

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

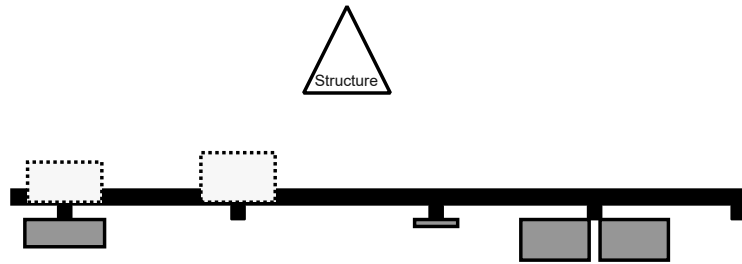
Safety Climb in Good Condition Safety Climb Damaged

Certifying Individual:

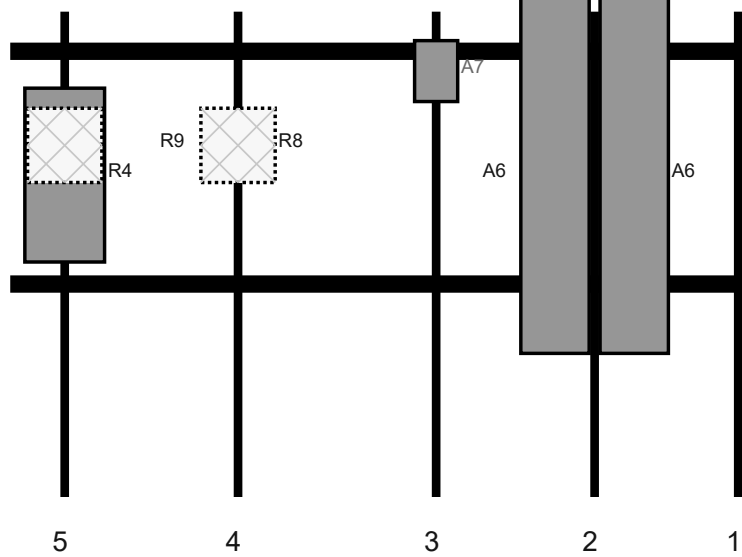
| | |
|----------------|--|
| Company: | |
| Employee Name: | |
| Contact Phone: | |
| Email: | |
| Date: | |



Plan View



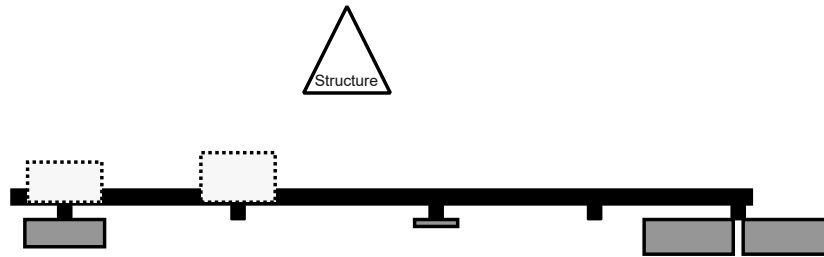
Front View - Looking at Structure



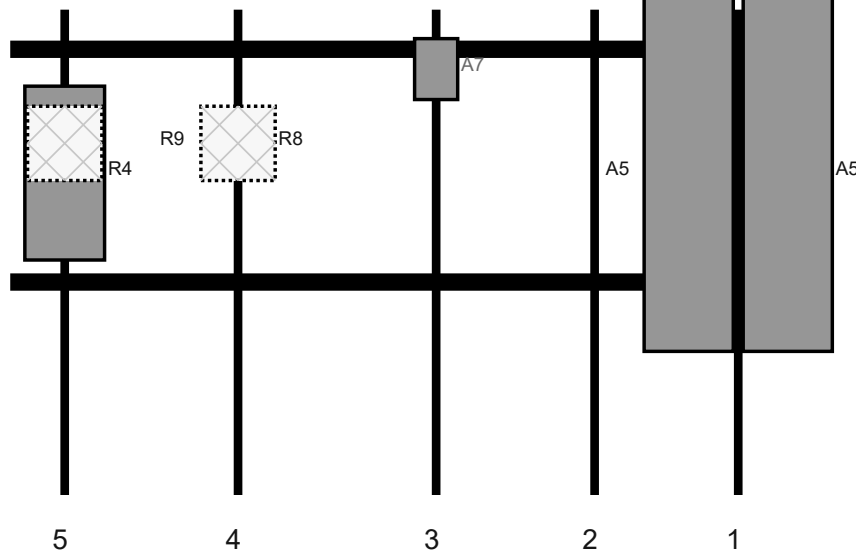
| Ref# | Model | Height (in) | Width (in) | H Dist Frm L. | Pipe # | Pipe Pos V | Ant Pos | C. Ant Frm T. | Ant H Off | Status | Validation |
|------|------------------------|-------------|------------|---------------|--------|------------|---------|---------------|-----------|----------|------------|
| A6 | JAHH-65B-R3B | 72 | 13.8 | 118 | 2 | a | Front | 33 | -8 | Retained | 04/24/2022 |
| A6 | JAHH-65B-R3B | 72 | 13.8 | 118 | 2 | b | Front | 33 | 8 | Retained | 04/24/2022 |
| A7 | XXDWMM-12.5-65-8T-CBRS | 12.3 | 8.7 | 86 | 3 | a | Front | 12 | 0 | Retained | 04/24/2022 |
| R8 | B2/B66A RRH-BR049 | 15 | 15 | 46 | 4 | a | Behind | 27 | 0 | Retained | 04/24/2022 |
| R4 | MT6407-77A | 35.1 | 16.1 | 11 | 5 | a | Front | 33 | 0 | Added | |
| R9 | B5/B13 RRH-BR04C | 15 | 15 | 11 | 5 | a | Behind | 27 | 0 | Retained | 04/24/2022 |
| FACE | CBC78T-DS-43-2X | 6.4 | 6.9 | | | Member | | | | Retained | 04/24/2022 |
| OVP2 | RRFDC-3315-PF-48 | 29.5 | 16.5 | | | Member | | | | Retained | 04/24/2022 |
| OVP1 | RRFDC-3315-PF-48 | 29.5 | 16.5 | | | | | | | Retained | 04/24/2022 |



Plan View



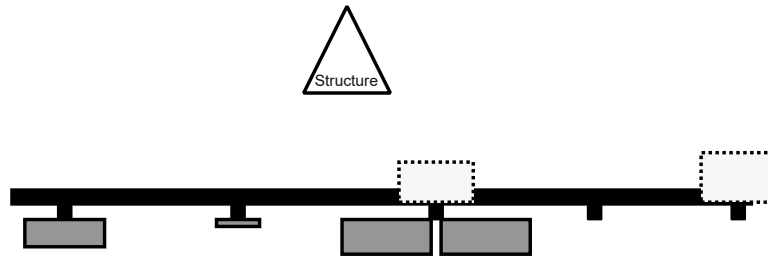
Front View - Looking at Structure



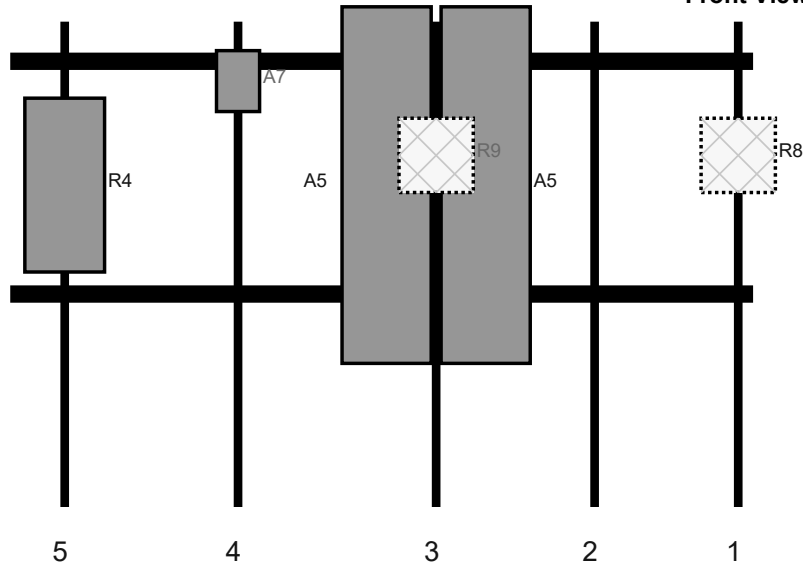
| Ref# | Model | Height (in) | Width (in) | H Dist Frm L. | Pipe # | Pipe Pos V | Ant Pos | C. Ant Frm T. | Ant H Off | Status | Validation |
|------|------------------------|-------------|------------|---------------|--------|------------|---------|---------------|-----------|----------|------------|
| A5 | JAHH-45B-R3B | 72 | 18 | 147 | 1 | a | Front | 33 | -10 | Retained | 04/24/2022 |
| A5 | JAHH-45B-R3B | 72 | 18 | 147 | 1 | b | Front | 33 | 10 | Retained | 04/24/2022 |
| A7 | XXDWMM-12.5-65-8T-CBRS | 12.3 | 8.7 | 86 | 3 | a | Front | 12 | 0 | Retained | 04/24/2022 |
| R8 | B2/B66A RRH-BR049 | 15 | 15 | 46 | 4 | a | Behind | 27 | 0 | Retained | 04/24/2022 |
| R4 | MT6407-77A | 35.1 | 16.1 | 11 | 5 | a | Front | 33 | 0 | Added | |
| R9 | B5/B13 RRH-BR04C | 15 | 15 | 11 | 5 | a | Behind | 27 | 0 | Retained | 04/24/2022 |



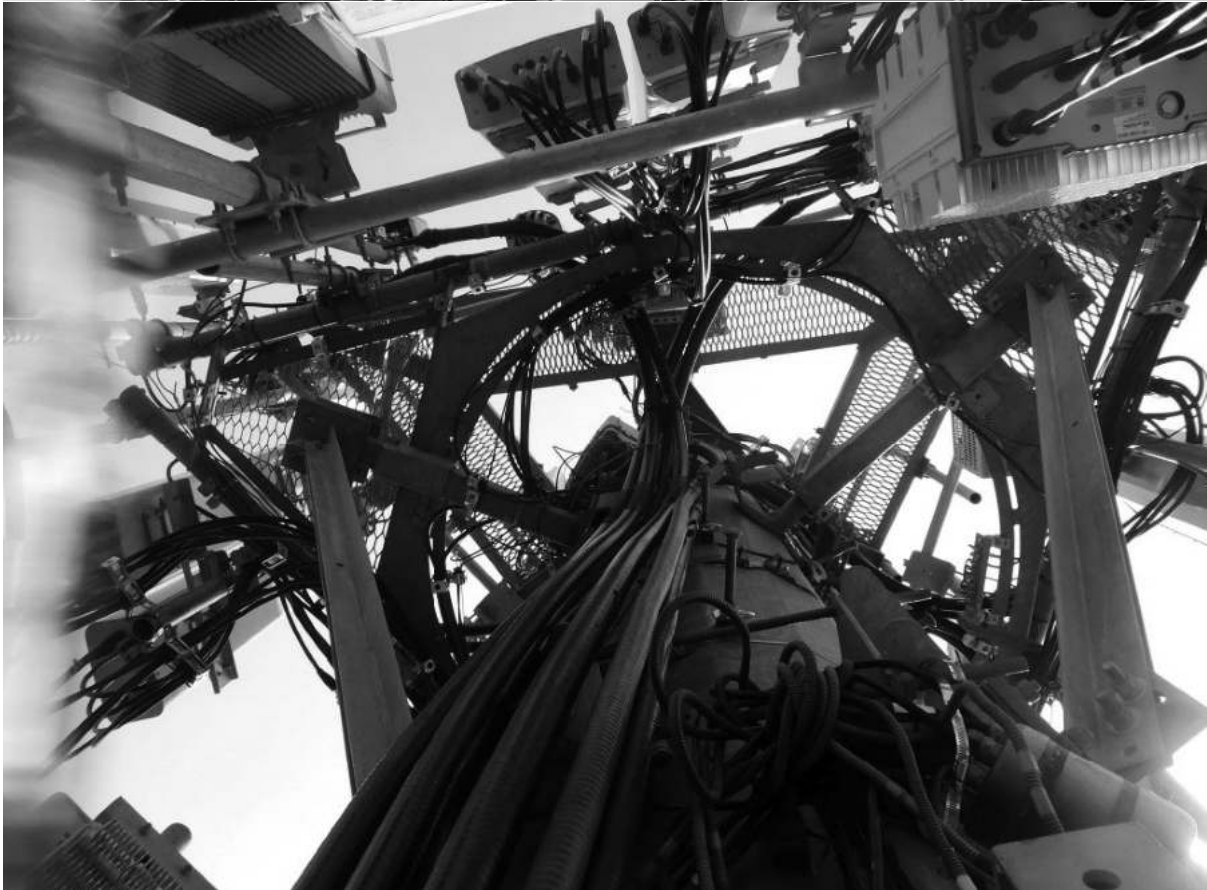
Plan View



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 |
|------|------------------------|-------------|------------|---------------|--------|------------|---------|---------------|-----------|----------|------------|
| R8 | B2/B66A RRH-BR049 | 15 | 15 | 147 | 1 | a | Behind | 27 | 0 | Retained | 04/24/2022 |
| A5 | JAHH-45B-R3B | 72 | 18 | 86 | 3 | a | Front | 33 | -10 | Retained | 04/24/2022 |
| A5 | JAHH-45B-R3B | 72 | 18 | 86 | 3 | b | Front | 33 | 10 | Retained | 04/24/2022 |
| R9 | B5/B13 RRH-BR04C | 15 | 15 | 86 | 3 | a | Behind | 27 | 0 | Retained | 04/24/2022 |
| A7 | XXDWMM-12.5-65-8T-CBRS | 12.3 | 8.7 | 46 | 4 | a | Front | 12 | 0 | Retained | 04/24/2022 |
| R4 | MT6407-77A | 35.1 | 16.1 | 11 | 5 | a | Front | 33 | 0 | Added | |



Observed Safety and Structural Issues During the Mount Mapping

| Issue # | Description of Issue | Photo # |
|---------|----------------------|---------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |

Mapping Notes

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

Standard Conditions

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

SMART Tool[®]
Vendor

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

| | | | |
|----------------------------|------------------------|-------------------------------|-----------|
| Tower Owner: | CROWN CASTLE | Mapping Date: | 4/24/2022 |
| Site Name: | 528 WHEELERS FARM ROAD | Tower Type: | Monopole |
| Site Number or ID: | 768756 | Tower Height (Ft.): | 125 |
| Mapping Contractor: | ONSIGHT SERVICES LLC | Mount Elevation (Ft.): | 110 |

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.

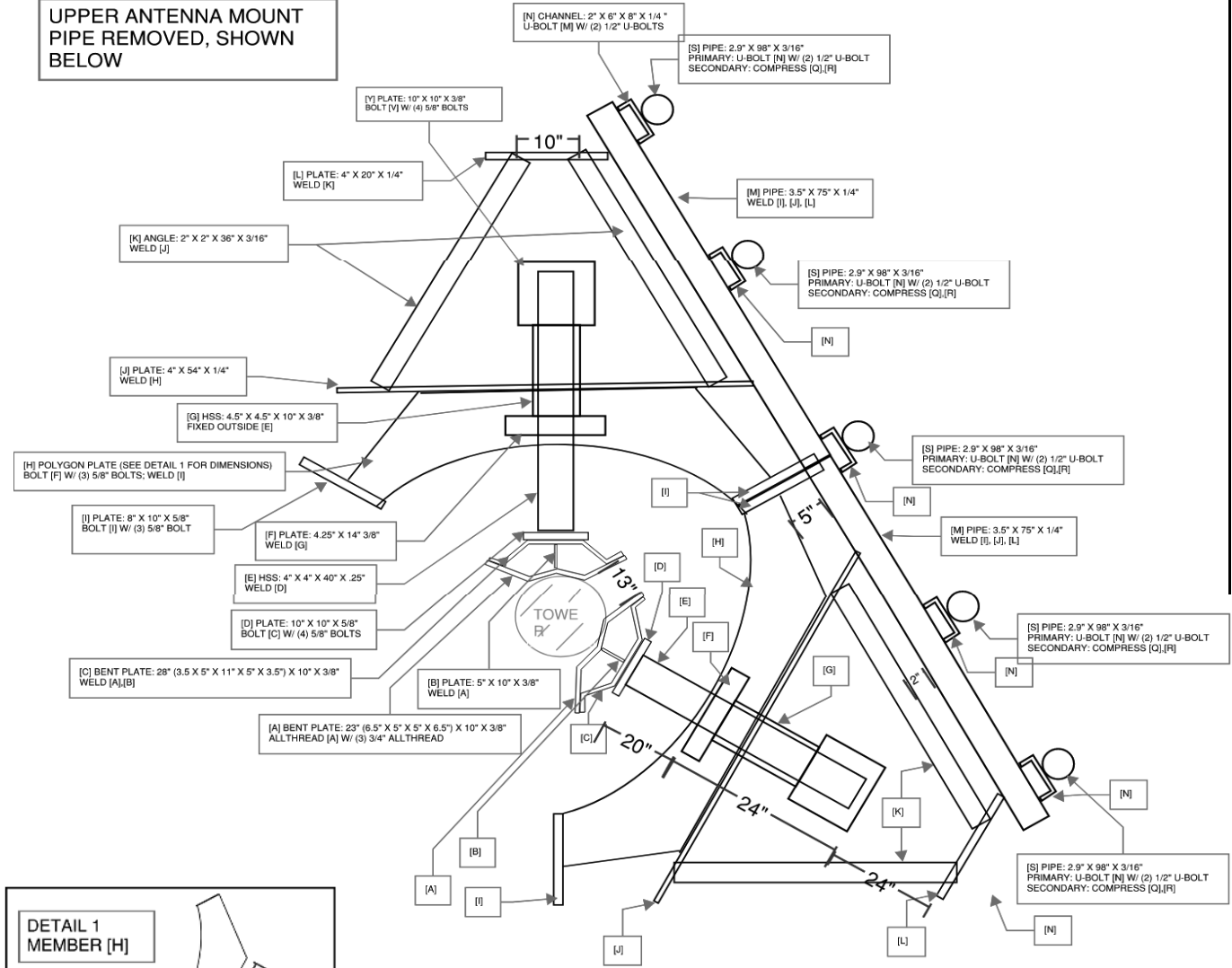
Please Insert Sketches of the Antenna Mount



TOP VIEW

MOUNT

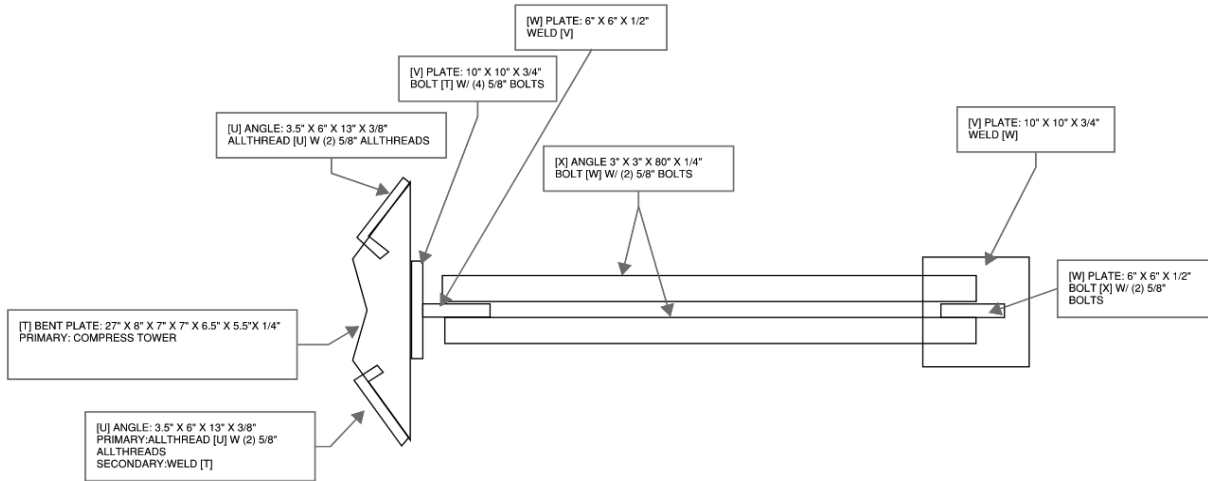
UPPER ANTENNA MOUNT
PIPE REMOVED, SHOWN
BELOW



**DETAIL 1
MEMBER [H]**

**TOP
VIEW**

SUPPORT



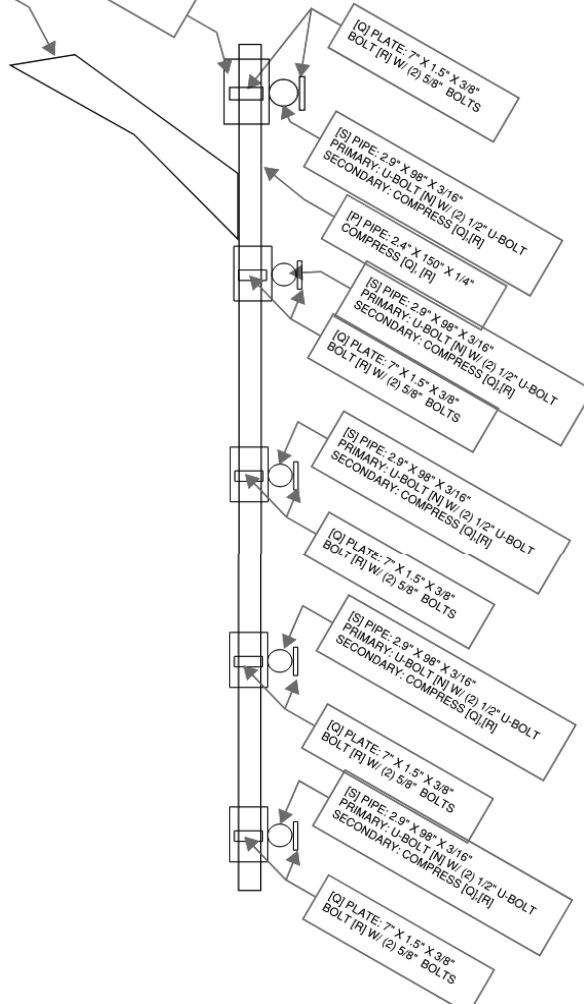
TOP VIEW

UPPER ANTENNA MOUNT PIPE



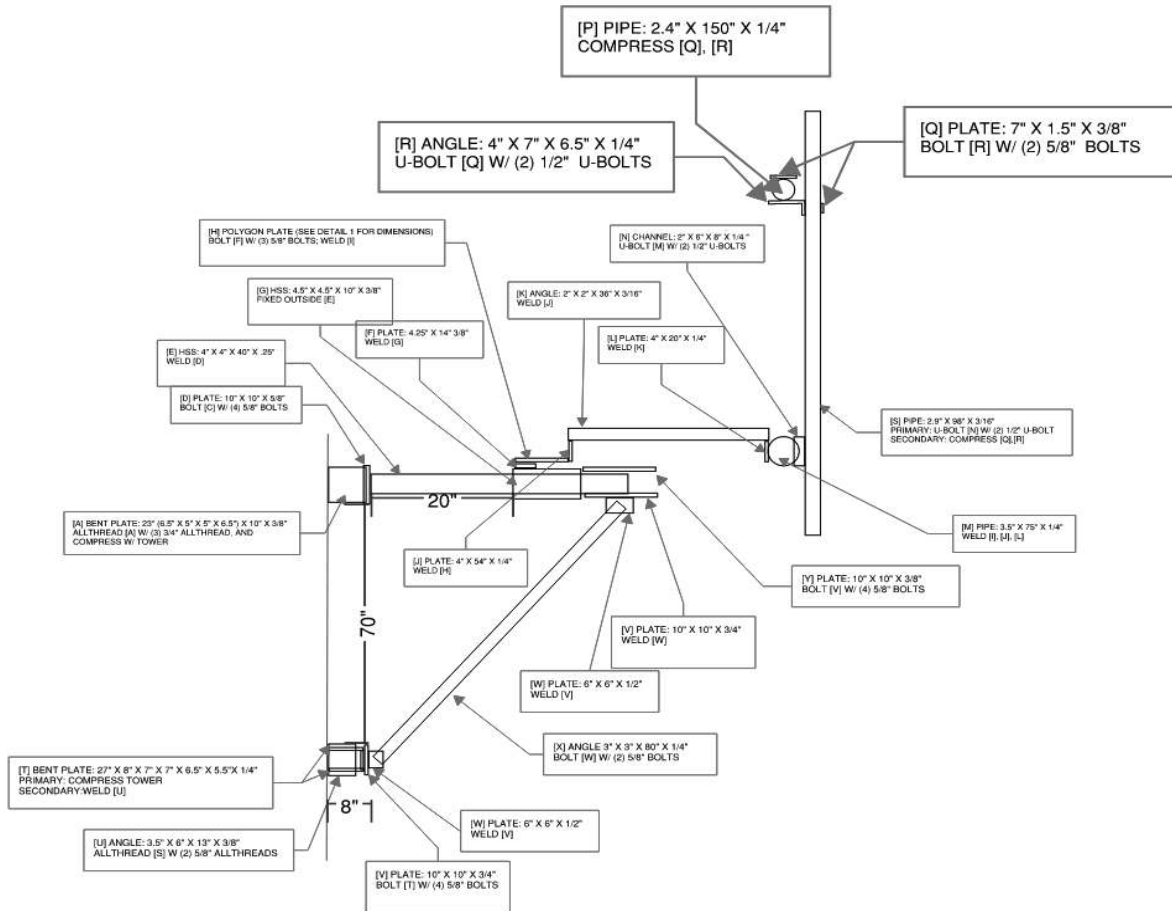
[O] BENT PLATE CHANNEL 5" X 23.5" X 6.5" X 1/4"
U-BOLT [P] W/ (2) 1/2" U-BOLTS

[R] ANGLE 4" X 7" X 6.5" X 1/4"
U-BOLT [Q] W/ (2) 1/2" U-BOLTS



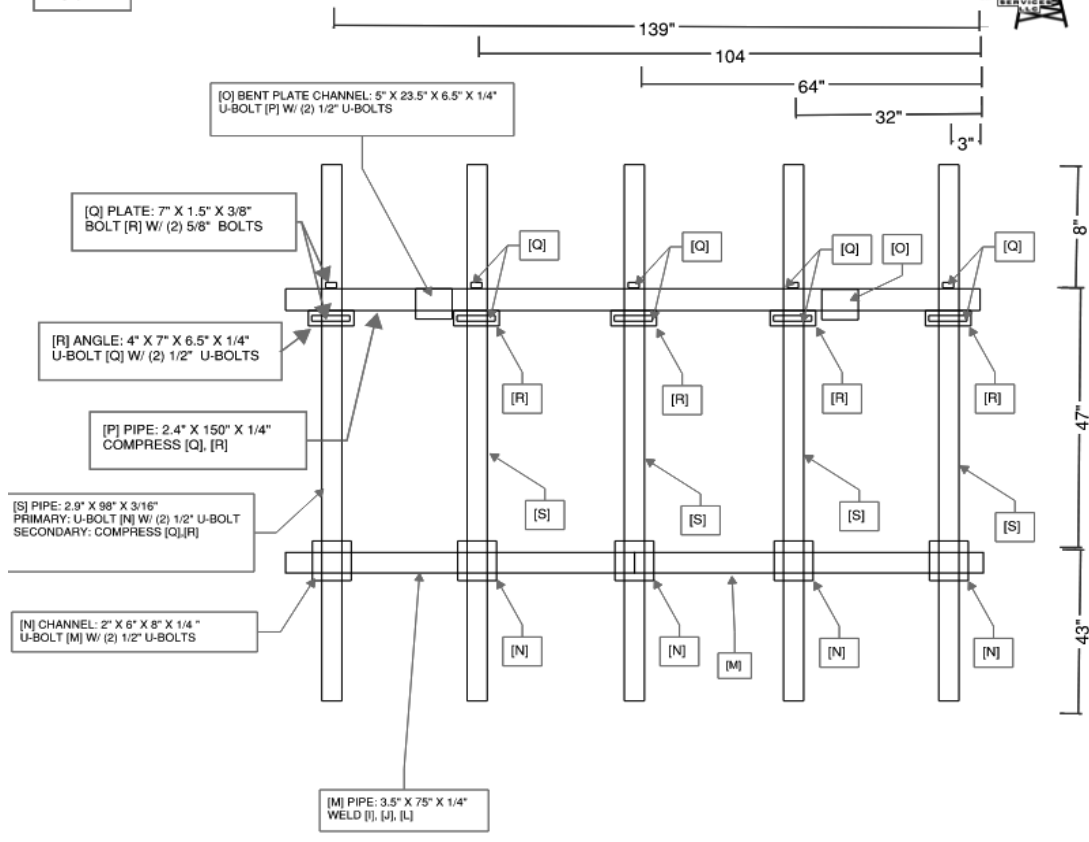
SIDE VIEW

MOUNT

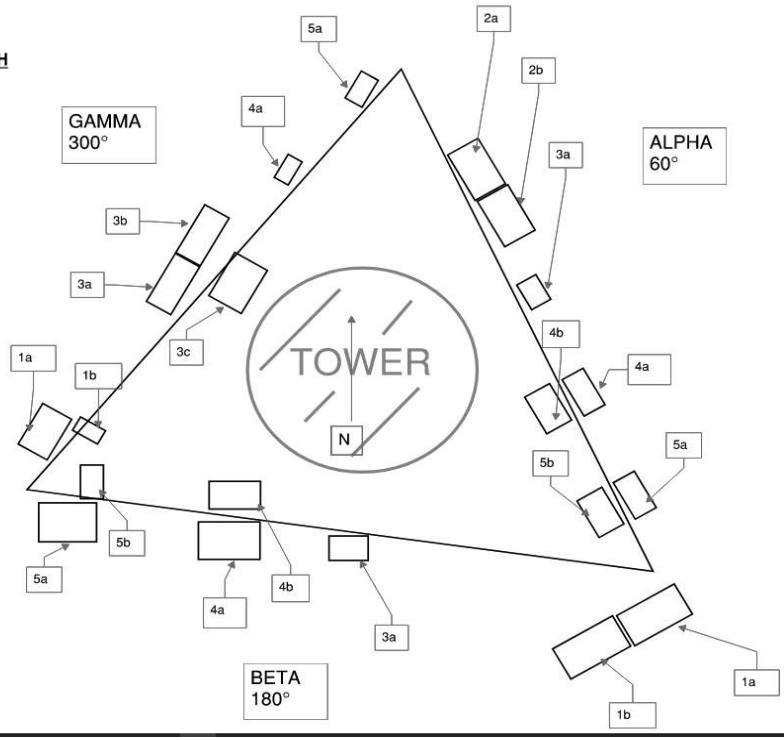


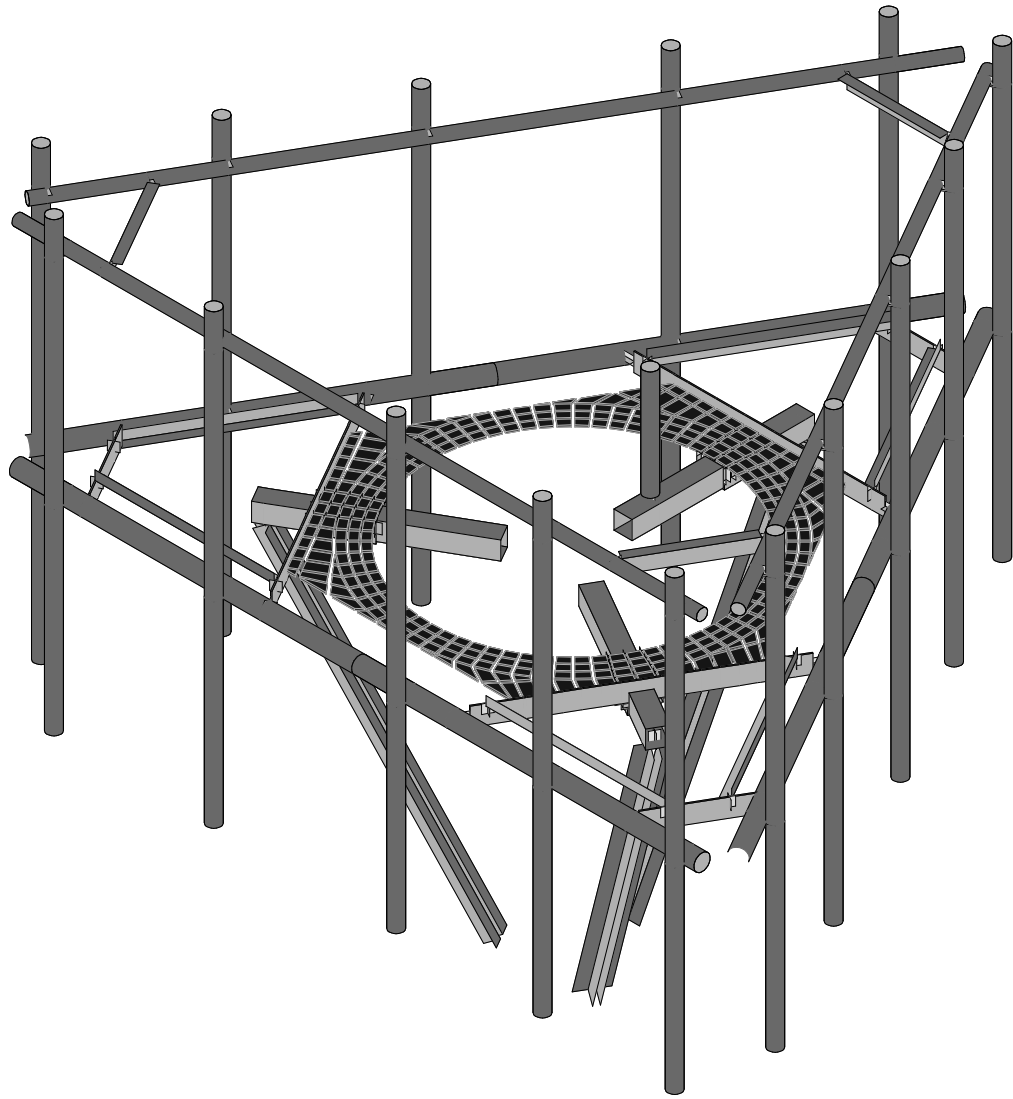
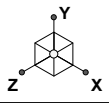
FRONT VIEW

MOUNT



AZIMUTH



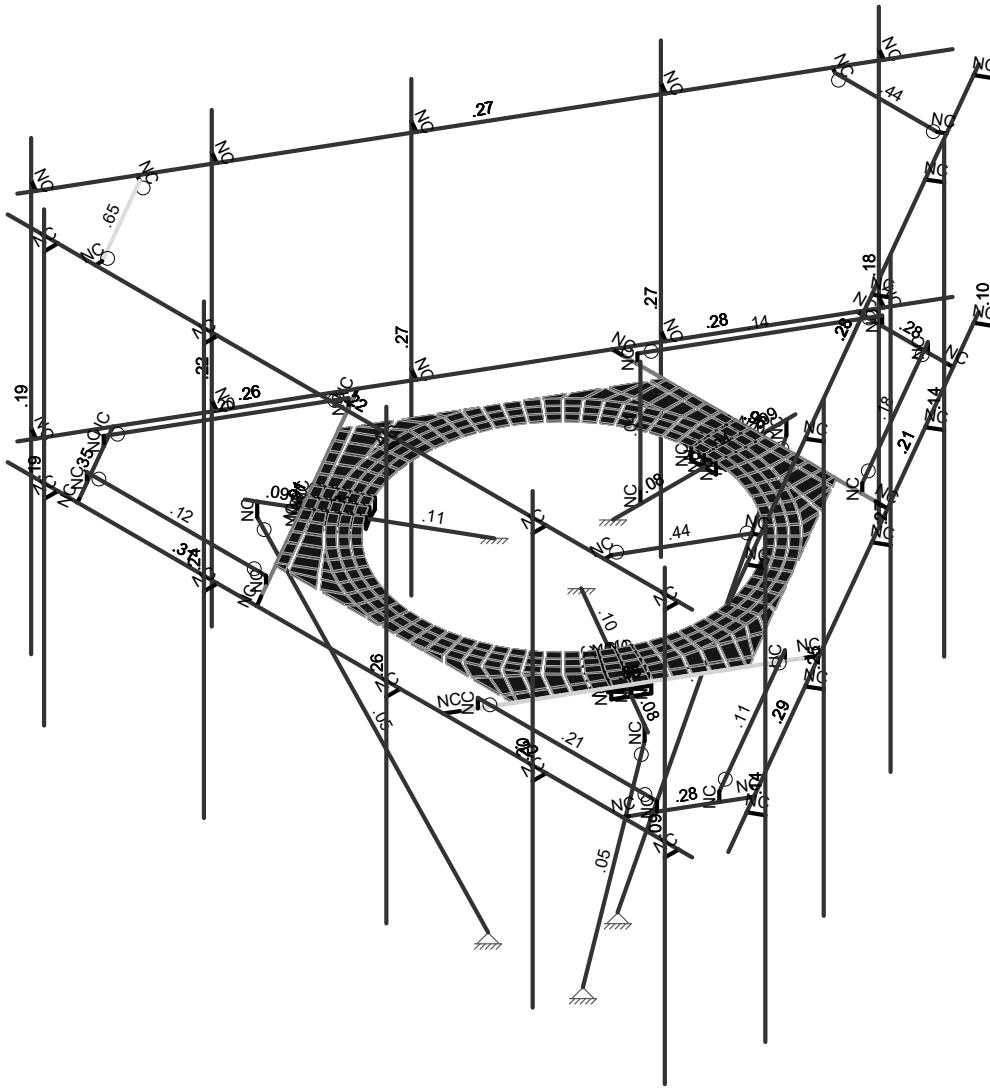
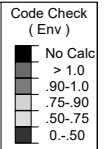
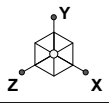


Envelope Only Solution

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SK - 1
May 24, 2022 at 5:21 PM
468756-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

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SK - 2
May 24, 2022 at 5:21 PM
468756-VZW_MT_LO_H.r3d



Company :
 Designer :
 Job Number :
 Model Name :

May 24, 2022
 5:21 PM
 Checked By: _____

Basic Load Cases

| | BLC Description | Category | X Gravity | Y Gravity | Z Gravity | Joint | Point | Distribut... | Area(Me... | Surface(... |
|----|------------------------|----------|-----------|-----------|-----------|-------|-------|--------------|------------|-------------|
| 1 | Antenna D | None | | | | | 93 | | | |
| 2 | Antenna Di | None | | | | | 93 | | | |
| 3 | Antenna Wo (0 Deg) | None | | | | | 93 | | | |
| 4 | Antenna Wo (30 Deg) | None | | | | | 93 | | | |
| 5 | Antenna Wo (60 Deg) | None | | | | | 93 | | | |
| 6 | Antenna Wo (90 Deg) | None | | | | | 93 | | | |
| 7 | Antenna Wo (120 Deg) | None | | | | | 93 | | | |
| 8 | Antenna Wo (150 Deg) | None | | | | | 93 | | | |
| 9 | Antenna Wo (180 Deg) | None | | | | | 93 | | | |
| 10 | Antenna Wo (210 Deg) | None | | | | | 93 | | | |
| 11 | Antenna Wo (240 Deg) | None | | | | | 93 | | | |
| 12 | Antenna Wo (270 Deg) | None | | | | | 93 | | | |
| 13 | Antenna Wo (300 Deg) | None | | | | | 93 | | | |
| 14 | Antenna Wo (330 Deg) | None | | | | | 93 | | | |
| 15 | Antenna Wi (0 Deg) | None | | | | | 93 | | | |
| 16 | Antenna Wi (30 Deg) | None | | | | | 93 | | | |
| 17 | Antenna Wi (60 Deg) | None | | | | | 93 | | | |
| 18 | Antenna Wi (90 Deg) | None | | | | | 93 | | | |
| 19 | Antenna Wi (120 Deg) | None | | | | | 93 | | | |
| 20 | Antenna Wi (150 Deg) | None | | | | | 93 | | | |
| 21 | Antenna Wi (180 Deg) | None | | | | | 93 | | | |
| 22 | Antenna Wi (210 Deg) | None | | | | | 93 | | | |
| 23 | Antenna Wi (240 Deg) | None | | | | | 93 | | | |
| 24 | Antenna Wi (270 Deg) | None | | | | | 93 | | | |
| 25 | Antenna Wi (300 Deg) | None | | | | | 93 | | | |
| 26 | Antenna Wi (330 Deg) | None | | | | | 93 | | | |
| 27 | Antenna Wm (0 Deg) | None | | | | | 93 | | | |
| 28 | Antenna Wm (30 Deg) | None | | | | | 93 | | | |
| 29 | Antenna Wm (60 Deg) | None | | | | | 93 | | | |
| 30 | Antenna Wm (90 Deg) | None | | | | | 93 | | | |
| 31 | Antenna Wm (120 Deg) | None | | | | | 93 | | | |
| 32 | Antenna Wm (150 Deg) | None | | | | | 93 | | | |
| 33 | Antenna Wm (180 Deg) | None | | | | | 93 | | | |
| 34 | Antenna Wm (210 Deg) | None | | | | | 93 | | | |
| 35 | Antenna Wm (240 Deg) | None | | | | | 93 | | | |
| 36 | Antenna Wm (270 Deg) | None | | | | | 93 | | | |
| 37 | Antenna Wm (300 Deg) | None | | | | | 93 | | | |
| 38 | Antenna Wm (330 Deg) | None | | | | | 93 | | | |
| 39 | Structure D | None | | -1 | | | | | 3 | |
| 40 | Structure Di | None | | | | | | 54 | 3 | |
| 41 | Structure Wo (0 Deg) | None | | | | | | 108 | | |
| 42 | Structure Wo (30 Deg) | None | | | | | | 108 | | |
| 43 | Structure Wo (60 Deg) | None | | | | | | 108 | | |
| 44 | Structure Wo (90 Deg) | None | | | | | | 108 | | |
| 45 | Structure Wo (120 Deg) | None | | | | | | 108 | | |
| 46 | Structure Wo (150 Deg) | None | | | | | | 108 | | |
| 47 | Structure Wo (180 Deg) | None | | | | | | 108 | | |
| 48 | Structure Wo (210 Deg) | None | | | | | | 108 | | |
| 49 | Structure Wo (240 Deg) | None | | | | | | 108 | | |
| 50 | Structure Wo (270 Deg) | None | | | | | | 108 | | |
| 51 | Structure Wo (300 Deg) | None | | | | | | 108 | | |
| 52 | Structure Wo (330 Deg) | None | | | | | | 108 | | |
| 53 | Structure Wi (0 Deg) | None | | | | | | 108 | | |
| 54 | Structure Wi (30 Deg) | None | | | | | | 108 | | |
| 55 | Structure Wi (60 Deg) | None | | | | | | 108 | | |
| 56 | Structure Wi (90 Deg) | None | | | | | | 108 | | |
| 57 | Structure Wi (120 Deg) | None | | | | | | 108 | | |
| 58 | Structure Wi (150 Deg) | None | | | | | | 108 | | |



Basic Load Cases (Continued)

| | BLC Description | Category | X Gravity | Y Gravity | Z Gravity | Joint | Point | Distribut... | Area(Me...Surface(... |
|----|-----------------------------|----------|-----------|-----------|-----------|-------|-------|--------------|-----------------------|
| 59 | Structure Wi (180 Deg) | None | | | | | | 108 | |
| 60 | Structure Wi (210 Deg) | None | | | | | | 108 | |
| 61 | Structure Wi (240 Deg) | None | | | | | | 108 | |
| 62 | Structure Wi (270 Deg) | None | | | | | | 108 | |
| 63 | Structure Wi (300 Deg) | None | | | | | | 108 | |
| 64 | Structure Wi (330 Deg) | None | | | | | | 108 | |
| 65 | Structure Wm (0 Deg) | None | | | | | | 108 | |
| 66 | Structure Wm (30 Deg) | None | | | | | | 108 | |
| 67 | Structure Wm (60 Deg) | None | | | | | | 108 | |
| 68 | Structure Wm (90 Deg) | None | | | | | | 108 | |
| 69 | Structure Wm (120 Deg) | None | | | | | | 108 | |
| 70 | Structure Wm (150 Deg) | None | | | | | | 108 | |
| 71 | Structure Wm (180 Deg) | None | | | | | | 108 | |
| 72 | Structure Wm (210 Deg) | None | | | | | | 108 | |
| 73 | Structure Wm (240 Deg) | None | | | | | | 108 | |
| 74 | Structure Wm (270 Deg) | None | | | | | | 108 | |
| 75 | Structure Wm (300 Deg) | None | | | | | | 108 | |
| 76 | Structure Wm (330 Deg) | None | | | | | | 108 | |
| 77 | Lm1 | None | | | | | 1 | | |
| 78 | Lm2 | None | | | | | 1 | | |
| 79 | Lv1 | None | | | | | 1 | | |
| 80 | Lv2 | None | | | | | 1 | | |
| 81 | Antenna Ev | None | | | | | 93 | | |
| 82 | Antenna Eh (0 Deg) | None | | | | | 62 | | |
| 83 | Antenna Eh (90 Deg) | None | | | | | 62 | | |
| 84 | Structure Ev | ELY | | -.043 | | | | | |
| 85 | Structure Eh (0 Deg) | ELZ | | | -.108 | | | | |
| 86 | Structure Eh (90 Deg) | ELX | .108 | | | | | | |
| 87 | BLC 39 Transient Area Loads | None | | | | | | 24 | |
| 88 | BLC 40 Transient Area Loads | None | | | | | | 24 | |

Load Combinations

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



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 Job Number :
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Joint Coordinates and Temperatures (Continued)

| | Label | X [ft] | Y [ft] | Z [ft] | Temp [F] | Detach From Diap... |
|----|-------|-----------|-----------|-----------|----------|---------------------|
| 4 | N135C | 0.791666 | 0.333333 | -6.250001 | 0 | |
| 5 | N136C | -0.791666 | 0.333333 | -6.250001 | 0 | |
| 6 | N132 | -0.000587 | 0.333333 | 3.885474 | 0 | |
| 7 | N133A | -6.250587 | 0.333333 | 3.885474 | 0 | |
| 8 | N134A | 6.249413 | 0.333333 | 3.885474 | 0 | |
| 9 | N135D | 5.999413 | 0.333333 | 3.885474 | 0 | |
| 10 | N136D | 5.999413 | 0.333333 | 4.135474 | 0 | |
| 11 | N137B | 3.582747 | 0.333333 | 3.885474 | 0 | |
| 12 | N138C | 3.582747 | 0.333333 | 4.135474 | 0 | |
| 13 | N139B | 0.91608 | 0.333333 | 3.885474 | 0 | |
| 14 | N140B | 0.91608 | 0.333333 | 4.135474 | 0 | |
| 15 | N141B | -2.417253 | 0.333333 | 3.885474 | 0 | |
| 16 | N142 | -2.417253 | 0.333333 | 4.135474 | 0 | |
| 17 | N143A | -5.33392 | 0.333333 | 3.885474 | 0 | |
| 18 | N144 | -5.33392 | 0.333333 | 4.135474 | 0 | |
| 19 | N146 | -6.250587 | 4.25 | 3.885474 | 0 | |
| 20 | N147 | 6.249413 | 4.25 | 3.885474 | 0 | |
| 21 | N148 | 5.999413 | 4.25 | 3.885474 | 0 | |
| 22 | N149 | 5.999413 | 4.25 | 4.135474 | 0 | |
| 23 | N150 | 3.582747 | 4.25 | 3.885474 | 0 | |
| 24 | N151 | 3.582747 | 4.25 | 4.135474 | 0 | |
| 25 | N152 | 0.91608 | 4.25 | 3.885474 | 0 | |
| 26 | N153 | 0.91608 | 4.25 | 4.135474 | 0 | |
| 27 | N154 | -2.417253 | 4.25 | 3.885474 | 0 | |
| 28 | N155 | -2.417253 | 4.25 | 4.135474 | 0 | |
| 29 | N156 | -5.33392 | 4.25 | 3.885474 | 0 | |
| 30 | N157 | -5.33392 | 4.25 | 4.135474 | 0 | |
| 31 | N157A | 5.999413 | 4.916667 | 4.135474 | 0 | |
| 32 | N158 | 3.582747 | 4.916667 | 4.135474 | 0 | |
| 33 | N159 | 0.91608 | 4.916667 | 4.135474 | 0 | |
| 34 | N160 | -2.417253 | 4.916667 | 4.135474 | 0 | |
| 35 | N161 | -5.33392 | 4.916667 | 4.135474 | 0 | |
| 36 | N162 | 5.999413 | -3.25 | 4.135474 | 0 | |
| 37 | N163 | 3.582747 | -3.25 | 4.135474 | 0 | |
| 38 | N164 | 0.91608 | -3.25 | 4.135474 | 0 | |
| 39 | N165 | -2.417253 | -3.25 | 4.135474 | 0 | |
| 40 | N166 | -5.33392 | -3.25 | 4.135474 | 0 | |
| 41 | N238 | 1.041666 | 4.25 | -5.967895 | 0 | |
| 42 | N240 | 0.933413 | 4.25 | -5.905395 | 0 | |
| 43 | N241 | -1.041666 | 4.25 | -5.967895 | 0 | |
| 44 | N243 | -0.933413 | 4.25 | -5.905395 | 0 | |
| 45 | N249 | 0 | -6.104167 | -1 | 0 | |
| 46 | N250 | 0 | 0.145833 | -4.083333 | 0 | |
| 47 | N252 | 0 | -0.104167 | -4.083333 | 0 | |
| 48 | N248A | -0.448591 | 0.333333 | 2.544087 | 0 | |
| 49 | N250A | -0.225152 | 0.333333 | 2.573503 | 0 | |
| 50 | N252A | -0. | 0.333333 | 2.583333 | 0 | |
| 51 | N254 | 0.225152 | 0.333333 | 2.573503 | 0 | |
| 52 | N256 | 0.448591 | 0.333333 | 2.544087 | 0 | |
| 53 | N258A | 0.668616 | 0.333333 | 2.495308 | 0 | |
| 54 | N260A | 0.883552 | 0.333333 | 2.427539 | 0 | |
| 55 | N262 | 1.091764 | 0.333333 | 2.341295 | 0 | |
| 56 | N264 | 1.291667 | 0.333333 | 2.237232 | 0 | |
| 57 | N266 | 1.481739 | 0.333333 | 2.116143 | 0 | |
| 58 | N268 | 1.660535 | 0.333333 | 1.978948 | 0 | |
| 59 | N270 | 1.826693 | 0.333333 | 1.826693 | 0 | |
| 60 | N272 | 1.978948 | 0.333333 | 1.660535 | 0 | |
| 61 | N274 | 2.116143 | 0.333333 | 1.481739 | 0 | |
| 62 | N276 | 2.237232 | 0.333333 | 1.291667 | 0 | |



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Joint Coordinates and Temperatures (Continued)

| | Label | X [ft] | Y [ft] | Z [ft] | Temp [F] | Detach From Diap... |
|-----|-------|-----------|----------|-----------|----------|---------------------|
| 63 | N278 | 2.341295 | 0.333333 | 1.091764 | 0 | |
| 64 | N280 | 2.427539 | 0.333333 | 0.883552 | 0 | |
| 65 | N282 | 2.495308 | 0.333333 | 0.668616 | 0 | |
| 66 | N284 | 2.544087 | 0.333333 | 0.448591 | 0 | |
| 67 | N286 | 2.573503 | 0.333333 | 0.225152 | 0 | |
| 68 | N288 | 2.583333 | 0.333333 | 0. | 0 | |
| 69 | N290 | 2.573503 | 0.333333 | -0.225152 | 0 | |
| 70 | N292 | 2.544087 | 0.333333 | -0.448591 | 0 | |
| 71 | N294 | 2.495308 | 0.333333 | -0.668616 | 0 | |
| 72 | N296 | 2.427539 | 0.333333 | -0.883552 | 0 | |
| 73 | N298 | 2.341295 | 0.333333 | -1.091764 | 0 | |
| 74 | N300 | 2.237232 | 0.333333 | -1.291667 | 0 | |
| 75 | N302 | 2.116143 | 0.333333 | -1.481739 | 0 | |
| 76 | N304 | 1.978948 | 0.333333 | -1.660535 | 0 | |
| 77 | N306 | 1.826693 | 0.333333 | -1.826693 | 0 | |
| 78 | N308 | 1.660535 | 0.333333 | -1.978948 | 0 | |
| 79 | N310 | 1.481739 | 0.333333 | -2.116143 | 0 | |
| 80 | N312 | 1.291667 | 0.333333 | -2.237232 | 0 | |
| 81 | N314 | 1.091764 | 0.333333 | -2.341295 | 0 | |
| 82 | N316 | 0.883552 | 0.333333 | -2.427539 | 0 | |
| 83 | N318 | 0.668616 | 0.333333 | -2.495308 | 0 | |
| 84 | N320 | 0.448591 | 0.333333 | -2.544087 | 0 | |
| 85 | N322 | 0.225152 | 0.333333 | -2.573503 | 0 | |
| 86 | N324 | 0. | 0.333333 | -2.583333 | 0 | |
| 87 | N326 | -0.225152 | 0.333333 | -2.573503 | 0 | |
| 88 | N328 | -0.448591 | 0.333333 | -2.544087 | 0 | |
| 89 | N330 | -0.668616 | 0.333333 | -2.495308 | 0 | |
| 90 | N332 | -0.883552 | 0.333333 | -2.427539 | 0 | |
| 91 | N334 | -1.091764 | 0.333333 | -2.341295 | 0 | |
| 92 | N336 | -1.291667 | 0.333333 | -2.237232 | 0 | |
| 93 | N338 | -1.481739 | 0.333333 | -2.116143 | 0 | |
| 94 | N340 | -1.660535 | 0.333333 | -1.978948 | 0 | |
| 95 | N342 | -1.826693 | 0.333333 | -1.826693 | 0 | |
| 96 | N344 | -1.978948 | 0.333333 | -1.660535 | 0 | |
| 97 | N346 | -2.116143 | 0.333333 | -1.481739 | 0 | |
| 98 | N348 | -2.237232 | 0.333333 | -1.291667 | 0 | |
| 99 | N350 | -2.341295 | 0.333333 | -1.091764 | 0 | |
| 100 | N352 | -2.427539 | 0.333333 | -0.883552 | 0 | |
| 101 | N354 | -2.495308 | 0.333333 | -0.668616 | 0 | |
| 102 | N356 | -2.544087 | 0.333333 | -0.448591 | 0 | |
| 103 | N358 | -2.573503 | 0.333333 | -0.225152 | 0 | |
| 104 | N360 | -2.583333 | 0.333333 | -0. | 0 | |
| 105 | N362 | -2.573503 | 0.333333 | 0.225152 | 0 | |
| 106 | N364 | -2.544087 | 0.333333 | 0.448591 | 0 | |
| 107 | N366 | -2.495308 | 0.333333 | 0.668616 | 0 | |
| 108 | N368 | -2.427539 | 0.333333 | 0.883552 | 0 | |
| 109 | N370 | -2.341295 | 0.333333 | 1.091764 | 0 | |
| 110 | N372 | -2.237232 | 0.333333 | 1.291667 | 0 | |
| 111 | N374 | -2.116143 | 0.333333 | 1.481739 | 0 | |
| 112 | N376 | -1.978948 | 0.333333 | 1.660535 | 0 | |
| 113 | N378 | -1.826693 | 0.333333 | 1.826693 | 0 | |
| 114 | N380 | -1.660535 | 0.333333 | 1.978948 | 0 | |
| 115 | N382 | -1.481739 | 0.333333 | 2.116143 | 0 | |
| 116 | N384 | -1.291667 | 0.333333 | 2.237232 | 0 | |
| 117 | N386 | -1.091764 | 0.333333 | 2.341295 | 0 | |
| 118 | N388 | -0.883552 | 0.333333 | 2.427539 | 0 | |
| 119 | N390 | -0.668616 | 0.333333 | 2.495308 | 0 | |
| 120 | N320A | -0. | 0.333333 | 3.083333 | 0 | |
| 121 | N322A | 0.26873 | 0.333333 | 3.0716 | 0 | |



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Joint Coordinates and Temperatures (Continued)

| | Label | X [ft] | Y [ft] | Z [ft] | Temp [F] | Detach From Diap... |
|-----|-------|-----------|----------|-----------|----------|---------------------|
| 122 | N324A | 0.535415 | 0.333333 | 3.036491 | 0 | |
| 123 | N326A | 0.798025 | 0.333333 | 2.978271 | 0 | |
| 124 | N328A | 1.054562 | 0.333333 | 2.897386 | 0 | |
| 125 | N330A | 1.303073 | 0.333333 | 2.794449 | 0 | |
| 126 | N332A | 1.541667 | 0.333333 | 2.670245 | 0 | |
| 127 | N334A | 1.768527 | 0.333333 | 2.525719 | 0 | |
| 128 | N336A | 1.981928 | 0.333333 | 2.36197 | 0 | |
| 129 | N338A | 2.180246 | 0.333333 | 2.180246 | 0 | |
| 130 | N340A | 2.36197 | 0.333333 | 1.981928 | 0 | |
| 131 | N342A | 2.525719 | 0.333333 | 1.768527 | 0 | |
| 132 | N344A | 2.670245 | 0.333333 | 1.541667 | 0 | |
| 133 | N346A | 2.794449 | 0.333333 | 1.303073 | 0 | |
| 134 | N348A | 2.897386 | 0.333333 | 1.054562 | 0 | |
| 135 | N350A | 2.978271 | 0.333333 | 0.798025 | 0 | |
| 136 | N352A | 3.036491 | 0.333333 | 0.535415 | 0 | |
| 137 | N354A | 3.0716 | 0.333333 | 0.26873 | 0 | |
| 138 | N356A | 3.083333 | 0.333333 | 0. | 0 | |
| 139 | N358A | 3.0716 | 0.333333 | -0.26873 | 0 | |
| 140 | N360A | 3.036491 | 0.333333 | -0.535415 | 0 | |
| 141 | N362A | 2.978271 | 0.333333 | -0.798025 | 0 | |
| 142 | N364A | 2.897386 | 0.333333 | -1.054562 | 0 | |
| 143 | N366A | 2.794449 | 0.333333 | -1.303073 | 0 | |
| 144 | N368A | 2.670245 | 0.333333 | -1.541667 | 0 | |
| 145 | N370A | 2.525719 | 0.333333 | -1.768527 | 0 | |
| 146 | N372A | 2.36197 | 0.333333 | -1.981928 | 0 | |
| 147 | N374A | 2.180246 | 0.333333 | -2.180246 | 0 | |
| 148 | N376A | 1.981928 | 0.333333 | -2.36197 | 0 | |
| 149 | N378A | 1.768527 | 0.333333 | -2.525719 | 0 | |
| 150 | N380A | 1.541667 | 0.333333 | -2.670245 | 0 | |
| 151 | N382A | 1.303073 | 0.333333 | -2.794449 | 0 | |
| 152 | N384A | 1.054562 | 0.333333 | -2.897386 | 0 | |
| 153 | N386A | 0.798025 | 0.333333 | -2.978271 | 0 | |
| 154 | N388A | 0.535415 | 0.333333 | -3.036491 | 0 | |
| 155 | N390A | 0.26873 | 0.333333 | -3.0716 | 0 | |
| 156 | N392 | 0. | 0.333333 | -3.083333 | 0 | |
| 157 | N394 | -0.26873 | 0.333333 | -3.0716 | 0 | |
| 158 | N396 | -0.535415 | 0.333333 | -3.036491 | 0 | |
| 159 | N398 | -0.798025 | 0.333333 | -2.978271 | 0 | |
| 160 | N400 | -1.054562 | 0.333333 | -2.897386 | 0 | |
| 161 | N402 | -1.303073 | 0.333333 | -2.794449 | 0 | |
| 162 | N404 | -1.541667 | 0.333333 | -2.670245 | 0 | |
| 163 | N406 | -1.768527 | 0.333333 | -2.525719 | 0 | |
| 164 | N408 | -1.981928 | 0.333333 | -2.36197 | 0 | |
| 165 | N410 | -2.180246 | 0.333333 | -2.180246 | 0 | |
| 166 | N412 | -2.36197 | 0.333333 | -1.981928 | 0 | |
| 167 | N414 | -2.525719 | 0.333333 | -1.768527 | 0 | |
| 168 | N416 | -2.670245 | 0.333333 | -1.541667 | 0 | |
| 169 | N418 | -2.794449 | 0.333333 | -1.303073 | 0 | |
| 170 | N420 | -2.897386 | 0.333333 | -1.054562 | 0 | |
| 171 | N422 | -2.978271 | 0.333333 | -0.798025 | 0 | |
| 172 | N424 | -3.036491 | 0.333333 | -0.535415 | 0 | |
| 173 | N426 | -3.0716 | 0.333333 | -0.26873 | 0 | |
| 174 | N428 | -3.083333 | 0.333333 | -0. | 0 | |
| 175 | N430 | -3.0716 | 0.333333 | 0.26873 | 0 | |
| 176 | N432 | -3.036491 | 0.333333 | 0.535415 | 0 | |
| 177 | N434 | -2.978271 | 0.333333 | 0.798025 | 0 | |
| 178 | N436 | -2.897386 | 0.333333 | 1.054562 | 0 | |
| 179 | N438 | -2.794449 | 0.333333 | 1.303073 | 0 | |
| 180 | N440 | -2.670245 | 0.333333 | 1.541667 | 0 | |



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Joint Coordinates and Temperatures (Continued)

| | Label | X [ft] | Y [ft] | Z [ft] | Temp [F] | Detach From Diap... |
|-----|-------|-----------|----------|-----------|----------|---------------------|
| 181 | N442 | -2.525719 | 0.333333 | 1.768527 | 0 | |
| 182 | N444 | -2.36197 | 0.333333 | 1.981928 | 0 | |
| 183 | N446 | -2.180246 | 0.333333 | 2.180246 | 0 | |
| 184 | N448 | -1.981928 | 0.333333 | 2.36197 | 0 | |
| 185 | N450 | -1.768527 | 0.333333 | 2.525719 | 0 | |
| 186 | N452 | -1.541667 | 0.333333 | 2.670245 | 0 | |
| 187 | N454 | -1.303073 | 0.333333 | 2.794449 | 0 | |
| 188 | N456 | -1.054562 | 0.333333 | 2.897386 | 0 | |
| 189 | N458 | -0.798025 | 0.333333 | 2.978271 | 0 | |
| 190 | N460 | -0.535415 | 0.333333 | 3.036491 | 0 | |
| 191 | N462 | -0.26873 | 0.333333 | 3.0716 | 0 | |
| 192 | N346B | 0. | 0.333333 | -2.75 | 0 | |
| 193 | N347 | 0. | 0.333333 | -2.916667 | 0 | |
| 194 | N349 | -0.239678 | 0.333333 | -2.739535 | 0 | |
| 195 | N350B | -0.254204 | 0.333333 | -2.905568 | 0 | |
| 196 | N352B | -0.477532 | 0.333333 | -2.708221 | 0 | |
| 197 | N353 | -0.506474 | 0.333333 | -2.872356 | 0 | |
| 198 | N355 | -0.711752 | 0.333333 | -2.656296 | 0 | |
| 199 | N356B | -0.754889 | 0.333333 | -2.817284 | 0 | |
| 200 | N358B | -0.940555 | 0.333333 | -2.584155 | 0 | |
| 201 | N359 | -0.997559 | 0.333333 | -2.74077 | 0 | |
| 202 | N361 | -1.1622 | 0.333333 | -2.492346 | 0 | |
| 203 | N362B | -1.232637 | 0.333333 | -2.643398 | 0 | |
| 204 | N364B | -1.375 | 0.333333 | -2.38157 | 0 | |
| 205 | N365 | -1.458333 | 0.333333 | -2.525907 | 0 | |
| 206 | N367 | -1.577335 | 0.333333 | -2.252668 | 0 | |
| 207 | N368B | -1.672931 | 0.333333 | -2.389193 | 0 | |
| 208 | N370B | -1.767666 | 0.333333 | -2.106622 | 0 | |
| 209 | N371 | -1.874797 | 0.333333 | -2.234296 | 0 | |
| 210 | N373 | -1.944544 | 0.333333 | -1.944544 | 0 | |
| 211 | N374B | -2.062395 | 0.333333 | -2.062395 | 0 | |
| 212 | N376B | -2.106622 | 0.333333 | -1.767666 | 0 | |
| 213 | N377 | -2.234296 | 0.333333 | -1.874797 | 0 | |
| 214 | N379 | -2.252668 | 0.333333 | -1.577335 | 0 | |
| 215 | N380B | -2.389193 | 0.333333 | -1.672931 | 0 | |
| 216 | N382B | -2.38157 | 0.333333 | -1.375 | 0 | |
| 217 | N383 | -2.525907 | 0.333333 | -1.458333 | 0 | |
| 218 | N385 | -2.492346 | 0.333333 | -1.1622 | 0 | |
| 219 | N386B | -2.643398 | 0.333333 | -1.232637 | 0 | |
| 220 | N388B | -2.584155 | 0.333333 | -0.940555 | 0 | |
| 221 | N389 | -2.74077 | 0.333333 | -0.997559 | 0 | |
| 222 | N391 | -2.656296 | 0.333333 | -0.711752 | 0 | |
| 223 | N392A | -2.817284 | 0.333333 | -0.754889 | 0 | |
| 224 | N394A | -2.708221 | 0.333333 | -0.477532 | 0 | |
| 225 | N395 | -2.872356 | 0.333333 | -0.506474 | 0 | |
| 226 | N397 | -2.739535 | 0.333333 | -0.239678 | 0 | |
| 227 | N398A | -2.905568 | 0.333333 | -0.254204 | 0 | |
| 228 | N400A | -2.75 | 0.333333 | -0. | 0 | |
| 229 | N401 | -2.916667 | 0.333333 | -0. | 0 | |
| 230 | N403 | -2.739535 | 0.333333 | 0.239678 | 0 | |
| 231 | N404A | -2.905568 | 0.333333 | 0.254204 | 0 | |
| 232 | N406A | -2.708221 | 0.333333 | 0.477532 | 0 | |
| 233 | N407 | -2.872356 | 0.333333 | 0.506474 | 0 | |
| 234 | N409 | -2.656296 | 0.333333 | 0.711752 | 0 | |
| 235 | N410A | -2.817284 | 0.333333 | 0.754889 | 0 | |
| 236 | N412A | -2.584155 | 0.333333 | 0.940555 | 0 | |
| 237 | N413 | -2.74077 | 0.333333 | 0.997559 | 0 | |
| 238 | N415 | -2.492346 | 0.333333 | 1.1622 | 0 | |
| 239 | N416A | -2.643398 | 0.333333 | 1.232637 | 0 | |



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Joint Coordinates and Temperatures (Continued)

| | Label | X [ft] | Y [ft] | Z [ft] | Temp [F] | Detach From Diap... |
|-----|-------|-----------|----------|----------|----------|---------------------|
| 240 | N418A | -2.38157 | 0.333333 | 1.375 | 0 | |
| 241 | N419 | -2.525907 | 0.333333 | 1.458333 | 0 | |
| 242 | N421 | -2.252668 | 0.333333 | 1.577335 | 0 | |
| 243 | N422A | -2.389193 | 0.333333 | 1.672931 | 0 | |
| 244 | N424A | -2.106622 | 0.333333 | 1.767666 | 0 | |
| 245 | N425 | -2.234296 | 0.333333 | 1.874797 | 0 | |
| 246 | N427 | -1.944544 | 0.333333 | 1.944544 | 0 | |
| 247 | N428A | -2.062395 | 0.333333 | 2.062395 | 0 | |
| 248 | N430A | -1.767666 | 0.333333 | 2.106622 | 0 | |
| 249 | N431 | -1.874797 | 0.333333 | 2.234296 | 0 | |
| 250 | N433 | -1.577335 | 0.333333 | 2.252668 | 0 | |
| 251 | N434A | -1.672931 | 0.333333 | 2.389193 | 0 | |
| 252 | N436A | -1.375 | 0.333333 | 2.38157 | 0 | |
| 253 | N437 | -1.458333 | 0.333333 | 2.525907 | 0 | |
| 254 | N439 | -1.1622 | 0.333333 | 2.492346 | 0 | |
| 255 | N440A | -1.232637 | 0.333333 | 2.643398 | 0 | |
| 256 | N442A | -0.940555 | 0.333333 | 2.584155 | 0 | |
| 257 | N443 | -0.997559 | 0.333333 | 2.74077 | 0 | |
| 258 | N445 | -0.711752 | 0.333333 | 2.656296 | 0 | |
| 259 | N446A | -0.754889 | 0.333333 | 2.817284 | 0 | |
| 260 | N448A | -0.477532 | 0.333333 | 2.708221 | 0 | |
| 261 | N449 | -0.506474 | 0.333333 | 2.872356 | 0 | |
| 262 | N451 | -0.239678 | 0.333333 | 2.739535 | 0 | |
| 263 | N452A | -0.254204 | 0.333333 | 2.905568 | 0 | |
| 264 | N454A | -0. | 0.333333 | 2.75 | 0 | |
| 265 | N455 | -0. | 0.333333 | 2.916667 | 0 | |
| 266 | N457 | 0.239678 | 0.333333 | 2.739535 | 0 | |
| 267 | N458A | 0.254204 | 0.333333 | 2.905568 | 0 | |
| 268 | N460A | 0.477532 | 0.333333 | 2.708221 | 0 | |
| 269 | N461 | 0.506474 | 0.333333 | 2.872356 | 0 | |
| 270 | N463 | 0.711752 | 0.333333 | 2.656296 | 0 | |
| 271 | N464 | 0.754889 | 0.333333 | 2.817284 | 0 | |
| 272 | N466 | 0.940555 | 0.333333 | 2.584155 | 0 | |
| 273 | N467 | 0.997559 | 0.333333 | 2.74077 | 0 | |
| 274 | N469 | 1.1622 | 0.333333 | 2.492346 | 0 | |
| 275 | N470 | 1.232637 | 0.333333 | 2.643398 | 0 | |
| 276 | N472 | 1.375 | 0.333333 | 2.38157 | 0 | |
| 277 | N473 | 1.458333 | 0.333333 | 2.525907 | 0 | |
| 278 | N475 | 1.577335 | 0.333333 | 2.252668 | 0 | |
| 279 | N476 | 1.672931 | 0.333333 | 2.389193 | 0 | |
| 280 | N478 | 1.767666 | 0.333333 | 2.106622 | 0 | |
| 281 | N479 | 1.874797 | 0.333333 | 2.234296 | 0 | |
| 282 | N481 | 1.944544 | 0.333333 | 1.944544 | 0 | |
| 283 | N482 | 2.062395 | 0.333333 | 2.062395 | 0 | |
| 284 | N484 | 2.106622 | 0.333333 | 1.767666 | 0 | |
| 285 | N485 | 2.234296 | 0.333333 | 1.874797 | 0 | |
| 286 | N487 | 2.252668 | 0.333333 | 1.577335 | 0 | |
| 287 | N488 | 2.389193 | 0.333333 | 1.672931 | 0 | |
| 288 | N490 | 2.38157 | 0.333333 | 1.375 | 0 | |
| 289 | N491 | 2.525907 | 0.333333 | 1.458333 | 0 | |
| 290 | N493 | 2.492346 | 0.333333 | 1.1622 | 0 | |
| 291 | N494 | 2.643398 | 0.333333 | 1.232637 | 0 | |
| 292 | N496 | 2.584155 | 0.333333 | 0.940555 | 0 | |
| 293 | N497 | 2.74077 | 0.333333 | 0.997559 | 0 | |
| 294 | N499 | 2.656296 | 0.333333 | 0.711752 | 0 | |
| 295 | N500 | 2.817284 | 0.333333 | 0.754889 | 0 | |
| 296 | N502 | 2.708221 | 0.333333 | 0.477532 | 0 | |
| 297 | N503 | 2.872356 | 0.333333 | 0.506474 | 0 | |
| 298 | N505 | 2.739535 | 0.333333 | 0.239678 | 0 | |



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| | Label | X [ft] | Y [ft] | Z [ft] | Temp [F] | Detach From Diap... |
|-----|-------|-----------|----------|-----------|----------|---------------------|
| 299 | N506 | 2.905568 | 0.333333 | 0.254204 | 0 | |
| 300 | N508 | 2.75 | 0.333333 | -0. | 0 | |
| 301 | N509 | 2.916667 | 0.333333 | -0. | 0 | |
| 302 | N511 | 2.739535 | 0.333333 | -0.239678 | 0 | |
| 303 | N512 | 2.905568 | 0.333333 | -0.254204 | 0 | |
| 304 | N514 | 2.708221 | 0.333333 | -0.477532 | 0 | |
| 305 | N515 | 2.872356 | 0.333333 | -0.506474 | 0 | |
| 306 | N517 | 2.656296 | 0.333333 | -0.711752 | 0 | |
| 307 | N518 | 2.817284 | 0.333333 | -0.754889 | 0 | |
| 308 | N520 | 2.584155 | 0.333333 | -0.940555 | 0 | |
| 309 | N521 | 2.74077 | 0.333333 | -0.997559 | 0 | |
| 310 | N523 | 2.492346 | 0.333333 | -1.1622 | 0 | |
| 311 | N524 | 2.643398 | 0.333333 | -1.232637 | 0 | |
| 312 | N526 | 2.38157 | 0.333333 | -1.375 | 0 | |
| 313 | N527 | 2.525907 | 0.333333 | -1.458333 | 0 | |
| 314 | N529 | 2.252668 | 0.333333 | -1.577335 | 0 | |
| 315 | N530 | 2.389193 | 0.333333 | -1.672931 | 0 | |
| 316 | N532 | 2.106622 | 0.333333 | -1.767666 | 0 | |
| 317 | N533 | 2.234296 | 0.333333 | -1.874797 | 0 | |
| 318 | N535 | 1.944544 | 0.333333 | -1.944544 | 0 | |
| 319 | N536 | 2.062395 | 0.333333 | -2.062395 | 0 | |
| 320 | N538 | 1.767666 | 0.333333 | -2.106622 | 0 | |
| 321 | N539 | 1.874797 | 0.333333 | -2.234296 | 0 | |
| 322 | N541 | 1.577335 | 0.333333 | -2.252668 | 0 | |
| 323 | N542 | 1.672931 | 0.333333 | -2.389193 | 0 | |
| 324 | N544 | 1.375 | 0.333333 | -2.38157 | 0 | |
| 325 | N545 | 1.458333 | 0.333333 | -2.525907 | 0 | |
| 326 | N547 | 1.1622 | 0.333333 | -2.492346 | 0 | |
| 327 | N548 | 1.232637 | 0.333333 | -2.643398 | 0 | |
| 328 | N550 | 0.940555 | 0.333333 | -2.584155 | 0 | |
| 329 | N551 | 0.997559 | 0.333333 | -2.74077 | 0 | |
| 330 | N553 | 0.711752 | 0.333333 | -2.656296 | 0 | |
| 331 | N554 | 0.754889 | 0.333333 | -2.817284 | 0 | |
| 332 | N556 | 0.477532 | 0.333333 | -2.708221 | 0 | |
| 333 | N557 | 0.506474 | 0.333333 | -2.872356 | 0 | |
| 334 | N559 | 0.239678 | 0.333333 | -2.739535 | 0 | |
| 335 | N560 | 0.254204 | 0.333333 | -2.905568 | 0 | |
| 336 | N487A | 1.541667 | 0.333333 | -3.416667 | 0 | |
| 337 | N488A | 1.303073 | 0.333333 | -3.416667 | 0 | |
| 338 | N489 | 1.054562 | 0.333333 | -3.416667 | 0 | |
| 339 | N490A | 0.798025 | 0.333333 | -3.416667 | 0 | |
| 340 | N491A | 0.535415 | 0.333333 | -3.416667 | 0 | |
| 341 | N492 | 0.26873 | 0.333333 | -3.416667 | 0 | |
| 342 | N493A | 0. | 0.333333 | -3.416667 | 0 | |
| 343 | N494A | -0.26873 | 0.333333 | -3.416667 | 0 | |
| 344 | N495 | -0.535415 | 0.333333 | -3.416667 | 0 | |
| 345 | N496A | -0.798025 | 0.333333 | -3.416667 | 0 | |
| 346 | N489A | -2.291666 | 0.333333 | -3.416667 | 0 | |
| 347 | N490B | 2.291666 | 0.333333 | -3.416667 | 0 | |
| 348 | N492A | 1.583333 | 0.333333 | -3.416667 | 0 | |
| 349 | N489B | 0. | 0.333333 | -3.25 | 0 | |
| 350 | N490C | 1.541667 | 0.333333 | -3.25 | 0 | |
| 351 | N491C | 1.303073 | 0.333333 | -3.25 | 0 | |
| 352 | N492B | 1.054562 | 0.333333 | -3.25 | 0 | |
| 353 | N493B | 0.798025 | 0.333333 | -3.25 | 0 | |
| 354 | N494B | 0.535415 | 0.333333 | -3.25 | 0 | |
| 355 | N495A | 0.26873 | 0.333333 | -3.25 | 0 | |
| 356 | N497B | -0.26873 | 0.333333 | -3.25 | 0 | |
| 357 | N498A | -0.535415 | 0.333333 | -3.25 | 0 | |



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| | Label | X [ft] | Y [ft] | Z [ft] | Temp [F] | Detach From Diap... |
|-----|-------|-----------|----------|-----------|----------|---------------------|
| 358 | N499B | -0.798025 | 0.333333 | -3.25 | 0 | |
| 359 | N513A | -3.357933 | 0.333333 | 1.017223 | 0 | |
| 360 | N514A | -3.226628 | 0.333333 | 1.24465 | 0 | |
| 361 | N515A | -3.093285 | 0.333333 | 1.475606 | 0 | |
| 362 | N516 | -2.95892 | 0.333333 | 1.708333 | 0 | |
| 363 | N517A | -2.824555 | 0.333333 | 1.941061 | 0 | |
| 364 | N518A | -2.691213 | 0.333333 | 2.172017 | 0 | |
| 365 | N519 | -2.559907 | 0.333333 | 2.399444 | 0 | |
| 366 | N523A | -2.814583 | 0.333333 | 1.625 | 0 | |
| 367 | N527A | -3.213595 | 0.333333 | 0.93389 | 0 | |
| 368 | N528 | -3.08229 | 0.333333 | 1.161317 | 0 | |
| 369 | N529A | -2.948948 | 0.333333 | 1.392273 | 0 | |
| 370 | N530A | -2.680217 | 0.333333 | 1.857727 | 0 | |
| 371 | N531 | -2.546875 | 0.333333 | 2.088683 | 0 | |
| 372 | N532A | -2.41557 | 0.333333 | 2.31611 | 0 | |
| 373 | N565 | 2.559907 | 0.333333 | 2.399444 | 0 | |
| 374 | N566 | 2.691213 | 0.333333 | 2.172017 | 0 | |
| 375 | N567 | 2.824555 | 0.333333 | 1.941061 | 0 | |
| 376 | N568 | 2.95892 | 0.333333 | 1.708333 | 0 | |
| 377 | N569 | 3.093285 | 0.333333 | 1.475606 | 0 | |
| 378 | N570 | 3.226628 | 0.333333 | 1.24465 | 0 | |
| 379 | N571 | 3.357933 | 0.333333 | 1.017223 | 0 | |
| 380 | N575 | 2.814583 | 0.333333 | 1.625 | 0 | |
| 381 | N579 | 2.41557 | 0.333333 | 2.31611 | 0 | |
| 382 | N580 | 2.546875 | 0.333333 | 2.088683 | 0 | |
| 383 | N581 | 2.680217 | 0.333333 | 1.857727 | 0 | |
| 384 | N582 | 2.948948 | 0.333333 | 1.392273 | 0 | |
| 385 | N583 | 3.08229 | 0.333333 | 1.161317 | 0 | |
| 386 | N584 | 3.213595 | 0.333333 | 0.93389 | 0 | |
| 387 | N587B | 1.678631 | 0.333333 | -3.25 | 0 | |
| 388 | N584B | 1.964525 | 0.333333 | -2.75 | 0 | |
| 389 | N579A | 2.21159 | 0.333333 | -2.317907 | 0 | |
| 390 | N581A | 0.225152 | 0.145833 | -2.573503 | 0 | |
| 391 | N582A | 0. | 0.145833 | -2.583333 | 0 | |
| 392 | N583A | -0.225152 | 0.145833 | -2.573503 | 0 | |
| 393 | N584A | 0.26873 | 0.145833 | -3.0716 | 0 | |
| 394 | N585A | 0. | 0.145833 | -3.083333 | 0 | |
| 395 | N586A | -0.26873 | 0.145833 | -3.0716 | 0 | |
| 396 | N587A | 0. | 0.145833 | -2.75 | 0 | |
| 397 | N588A | 0. | 0.145833 | -2.916667 | 0 | |
| 398 | N589A | -0.239678 | 0.145833 | -2.739535 | 0 | |
| 399 | N590B | -0.254204 | 0.145833 | -2.905568 | 0 | |
| 400 | N591B | 0.239678 | 0.145833 | -2.739535 | 0 | |
| 401 | N592B | 0.254204 | 0.145833 | -2.905568 | 0 | |
| 402 | N593B | 0.26873 | 0.145833 | -3.416667 | 0 | |
| 403 | N594B | 0. | 0.145833 | -3.416667 | 0 | |
| 404 | N595B | -0.26873 | 0.145833 | -3.416667 | 0 | |
| 405 | N596B | 0. | 0.145833 | -3.25 | 0 | |
| 406 | N597A | 0.26873 | 0.145833 | -3.25 | 0 | |
| 407 | N598A | -0.26873 | 0.145833 | -3.25 | 0 | |
| 408 | N636 | -2.341295 | 0.145833 | 1.091764 | 0 | |
| 409 | N637 | -2.237232 | 0.145833 | 1.291667 | 0 | |
| 410 | N638 | -2.116143 | 0.145833 | 1.481739 | 0 | |
| 411 | N639 | -2.794449 | 0.145833 | 1.303073 | 0 | |
| 412 | N640 | -2.670245 | 0.145833 | 1.541667 | 0 | |
| 413 | N641 | -2.525719 | 0.145833 | 1.768527 | 0 | |
| 414 | N642 | -2.38157 | 0.145833 | 1.375 | 0 | |
| 415 | N643 | -2.525907 | 0.145833 | 1.458333 | 0 | |
| 416 | N644A | -2.252668 | 0.145833 | 1.577335 | 0 | |



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| | Label | X [ft] | Y [ft] | Z [ft] | Temp [F] | Detach From Diap... |
|-----|-------|-----------|----------|-----------|----------|---------------------|
| 417 | N645A | -2.389193 | 0.145833 | 1.672931 | 0 | |
| 418 | N646A | -2.492346 | 0.145833 | 1.1622 | 0 | |
| 419 | N647A | -2.643398 | 0.145833 | 1.232637 | 0 | |
| 420 | N648A | -3.093285 | 0.145833 | 1.475606 | 0 | |
| 421 | N649A | -2.95892 | 0.145833 | 1.708333 | 0 | |
| 422 | N650A | -2.824555 | 0.145833 | 1.941061 | 0 | |
| 423 | N651A | -2.814583 | 0.145833 | 1.625 | 0 | |
| 424 | N652A | -2.948948 | 0.145833 | 1.392273 | 0 | |
| 425 | N653A | -2.680217 | 0.145833 | 1.857727 | 0 | |
| 426 | N693 | 2.116143 | 0.145833 | 1.481739 | 0 | |
| 427 | N694 | 2.237232 | 0.145833 | 1.291667 | 0 | |
| 428 | N695 | 2.341295 | 0.145833 | 1.091764 | 0 | |
| 429 | N696 | 2.525719 | 0.145833 | 1.768527 | 0 | |
| 430 | N697 | 2.670245 | 0.145833 | 1.541667 | 0 | |
| 431 | N698 | 2.794449 | 0.145833 | 1.303073 | 0 | |
| 432 | N699 | 2.38157 | 0.145833 | 1.375 | 0 | |
| 433 | N700 | 2.525907 | 0.145833 | 1.458333 | 0 | |
| 434 | N701 | 2.492346 | 0.145833 | 1.1622 | 0 | |
| 435 | N702 | 2.643398 | 0.145833 | 1.232637 | 0 | |
| 436 | N703 | 2.252668 | 0.145833 | 1.577335 | 0 | |
| 437 | N704 | 2.389193 | 0.145833 | 1.672931 | 0 | |
| 438 | N705 | 2.824555 | 0.145833 | 1.941061 | 0 | |
| 439 | N706 | 2.95892 | 0.145833 | 1.708333 | 0 | |
| 440 | N707 | 3.093285 | 0.145833 | 1.475606 | 0 | |
| 441 | N708 | 2.814583 | 0.145833 | 1.625 | 0 | |
| 442 | N709 | 2.680217 | 0.145833 | 1.857727 | 0 | |
| 443 | N710 | 2.948948 | 0.145833 | 1.392273 | 0 | |
| 444 | N674 | 0 | 0.145833 | -1.416667 | 0 | |
| 445 | N672A | 2.403637 | 0.333333 | -1.981928 | 0 | |
| 446 | N673 | 1.303073 | 0.333333 | -2.857135 | 0 | |
| 447 | N674A | 1.541667 | 0.333333 | -2.81849 | 0 | |
| 448 | N675A | 1.736098 | 0.333333 | -2.786998 | 0 | |
| 449 | N586 | -1.541667 | 0.333333 | -3.416667 | 0 | |
| 450 | N587 | -1.303073 | 0.333333 | -3.416667 | 0 | |
| 451 | N588 | -1.054562 | 0.333333 | -3.416667 | 0 | |
| 452 | N591 | -1.583333 | 0.333333 | -3.416667 | 0 | |
| 453 | N592 | -1.541667 | 0.333333 | -3.25 | 0 | |
| 454 | N593 | -1.303073 | 0.333333 | -3.25 | 0 | |
| 455 | N594 | -1.054562 | 0.333333 | -3.25 | 0 | |
| 456 | N597 | -1.678631 | 0.333333 | -3.25 | 0 | |
| 457 | N598 | -1.964525 | 0.333333 | -2.75 | 0 | |
| 458 | N599 | -2.21159 | 0.333333 | -2.317907 | 0 | |
| 459 | N600A | -2.403637 | 0.333333 | -1.981928 | 0 | |
| 460 | N601 | -1.303073 | 0.333333 | -2.857135 | 0 | |
| 461 | N602A | -1.541667 | 0.333333 | -2.81849 | 0 | |
| 462 | N603A | -1.736098 | 0.333333 | -2.786998 | 0 | |
| 463 | N610 | -3.729753 | 0.333333 | 0.373211 | 0 | |
| 464 | N611 | -3.610457 | 0.333333 | 0.579839 | 0 | |
| 465 | N612 | -3.486201 | 0.333333 | 0.795056 | 0 | |
| 466 | N617 | -3.750587 | 0.333333 | 0.337126 | 0 | |
| 467 | N618 | -3.585416 | 0.333333 | 0.289878 | 0 | |
| 468 | N619 | -3.466119 | 0.333333 | 0.496506 | 0 | |
| 469 | N620 | -3.341864 | 0.333333 | 0.711722 | 0 | |
| 470 | N625 | -3.653898 | 0.333333 | 0.171263 | 0 | |
| 471 | N626 | -3.363832 | 0.333333 | -0.326329 | 0 | |
| 472 | N627 | -3.113162 | 0.333333 | -0.75634 | 0 | |
| 473 | N628 | -2.918219 | 0.333333 | -1.090647 | 0 | |
| 474 | N629 | -3.125888 | 0.333333 | 0.300073 | 0 | |
| 475 | N630 | -3.211717 | 0.333333 | 0.074122 | 0 | |



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| | Label | X [ft] | Y [ft] | Z [ft] | Temp [F] | Detach From Diap... |
|-----|-------|-----------|----------|-----------|----------|---------------------|
| 476 | N631A | -3.28166 | 0.333333 | -0.110006 | 0 | |
| 477 | N632A | -2.188087 | 0.333333 | 3.043456 | 0 | |
| 478 | N633 | -2.307384 | 0.333333 | 2.836828 | 0 | |
| 479 | N634 | -2.431639 | 0.333333 | 2.621611 | 0 | |
| 480 | N635 | -2.167253 | 0.333333 | 3.07954 | 0 | |
| 481 | N636A | -2.043749 | 0.333333 | 2.960122 | 0 | |
| 482 | N637A | -2.163046 | 0.333333 | 2.753494 | 0 | |
| 483 | N638A | -2.287302 | 0.333333 | 2.538278 | 0 | |
| 484 | N639A | -1.975267 | 0.333333 | 3.078737 | 0 | |
| 485 | N640A | -1.399307 | 0.333333 | 3.076329 | 0 | |
| 486 | N641A | -0.901571 | 0.333333 | 3.074247 | 0 | |
| 487 | N642A | -0.514582 | 0.333333 | 3.072575 | 0 | |
| 488 | N643A | -1.822815 | 0.333333 | 2.557062 | 0 | |
| 489 | N644 | -1.67005 | 0.333333 | 2.744367 | 0 | |
| 490 | N645 | -1.545562 | 0.333333 | 2.897004 | 0 | |
| 491 | N666A | 2.188087 | 0.333333 | 3.043456 | 0 | |
| 492 | N667A | 2.307384 | 0.333333 | 2.836828 | 0 | |
| 493 | N668A | 2.431639 | 0.333333 | 2.621611 | 0 | |
| 494 | N673A | 2.167253 | 0.333333 | 3.07954 | 0 | |
| 495 | N674B | 2.043749 | 0.333333 | 2.960122 | 0 | |
| 496 | N675B | 2.163046 | 0.333333 | 2.753494 | 0 | |
| 497 | N676A | 2.287302 | 0.333333 | 2.538278 | 0 | |
| 498 | N681A | 1.975267 | 0.333333 | 3.078737 | 0 | |
| 499 | N682 | 1.399307 | 0.333333 | 3.076329 | 0 | |
| 500 | N683 | 0.901571 | 0.333333 | 3.074247 | 0 | |
| 501 | N684 | 0.514582 | 0.333333 | 3.072575 | 0 | |
| 502 | N685 | 1.822815 | 0.333333 | 2.557062 | 0 | |
| 503 | N686 | 1.67005 | 0.333333 | 2.744367 | 0 | |
| 504 | N687 | 1.545562 | 0.333333 | 2.897004 | 0 | |
| 505 | N688 | 3.729753 | 0.333333 | 0.373211 | 0 | |
| 506 | N689A | 3.610457 | 0.333333 | 0.579839 | 0 | |
| 507 | N690 | 3.486201 | 0.333333 | 0.795056 | 0 | |
| 508 | N691 | 3.750587 | 0.333333 | 0.337126 | 0 | |
| 509 | N692 | 3.585416 | 0.333333 | 0.289878 | 0 | |
| 510 | N693A | 3.466119 | 0.333333 | 0.496506 | 0 | |
| 511 | N694A | 3.341864 | 0.333333 | 0.711722 | 0 | |
| 512 | N695A | 3.653898 | 0.333333 | 0.171263 | 0 | |
| 513 | N696A | 3.363832 | 0.333333 | -0.326329 | 0 | |
| 514 | N697A | 3.113162 | 0.333333 | -0.75634 | 0 | |
| 515 | N698A | 2.918219 | 0.333333 | -1.090647 | 0 | |
| 516 | N699A | 3.125888 | 0.333333 | 0.300073 | 0 | |
| 517 | N700A | 3.211717 | 0.333333 | 0.074122 | 0 | |
| 518 | N701A | 3.28166 | 0.333333 | -0.110006 | 0 | |
| 519 | N646 | 0.878119 | 0.333333 | -6.250001 | 0 | |
| 520 | N647 | -0.878119 | 0.333333 | -6.250001 | 0 | |
| 521 | N648 | 0.416666 | 0.333333 | -6.250001 | 0 | |
| 522 | N649 | -0.416666 | 0.333333 | -6.250001 | 0 | |
| 523 | N650 | 0.416666 | .5 | -6.250001 | 0 | |
| 524 | N651 | -0.416666 | .5 | -6.250001 | 0 | |
| 525 | N571A | -3.581132 | 0.333333 | -2.068245 | 0 | |
| 526 | N606 | 0 | 0.395833 | -1.416667 | 0 | |
| 527 | N607 | 0 | 2.395833 | -1.416667 | 0 | |
| 528 | N605A | 2.513945 | 0.333333 | -3.416667 | 0 | |
| 529 | N538A | -2.513945 | 0.333333 | -3.416667 | 0 | |
| 530 | N538B | 3.365212 | 0.333333 | -1.942229 | 0 | |
| 531 | N539A | 6.490212 | 0.333333 | 3.47043 | 0 | |
| 532 | N540 | 0.240212 | 0.333333 | -7.354887 | 0 | |
| 533 | N541A | 0.365212 | 0.333333 | -7.138381 | 0 | |
| 534 | N542A | 0.581719 | 0.333333 | -7.263381 | 0 | |



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Joint Coordinates and Temperatures (Continued)

| | Label | X [ft] | Y [ft] | Z [ft] | Temp [F] | Detach From Diap... |
|-----|-------|-----------|----------|-----------|----------|---------------------|
| 535 | N543 | 1.573546 | 0.333333 | -5.045486 | 0 | |
| 536 | N544A | 1.790052 | 0.333333 | -5.170486 | 0 | |
| 537 | N545A | 2.906879 | 0.333333 | -2.736085 | 0 | |
| 538 | N546 | 3.123385 | 0.333333 | -2.861085 | 0 | |
| 539 | N547A | 4.573546 | 0.333333 | 0.150666 | 0 | |
| 540 | N548A | 4.790052 | 0.333333 | 0.025666 | 0 | |
| 541 | N549 | 6.031879 | 0.333333 | 2.676574 | 0 | |
| 542 | N550A | 6.248385 | 0.333333 | 2.551574 | 0 | |
| 543 | N551A | 6.490212 | 4.25 | 3.47043 | 0 | |
| 544 | N552 | 0.240212 | 4.25 | -7.354887 | 0 | |
| 545 | N553A | 0.365212 | 4.25 | -7.138381 | 0 | |
| 546 | N554A | 0.581719 | 4.25 | -7.263381 | 0 | |
| 547 | N555 | 1.573546 | 4.25 | -5.045486 | 0 | |
| 548 | N556A | 1.790052 | 4.25 | -5.170486 | 0 | |
| 549 | N557A | 2.906879 | 4.25 | -2.736085 | 0 | |
| 550 | N558 | 3.123385 | 4.25 | -2.861085 | 0 | |
| 551 | N559A | 4.573546 | 4.25 | 0.150666 | 0 | |
| 552 | N560A | 4.790052 | 4.25 | 0.025666 | 0 | |
| 553 | N561 | 6.031879 | 4.25 | 2.676574 | 0 | |
| 554 | N562 | 6.248385 | 4.25 | 2.551574 | 0 | |
| 555 | N563 | 0.581719 | 4.916667 | -7.263381 | 0 | |
| 556 | N564 | 1.790052 | 4.916667 | -5.170486 | 0 | |
| 557 | N565A | 3.123385 | 4.916667 | -2.861085 | 0 | |
| 558 | N566A | 4.790052 | 4.916667 | 0.025666 | 0 | |
| 559 | N567A | 6.248385 | 4.916667 | 2.551574 | 0 | |
| 560 | N568A | 0.581719 | -3.25 | -7.263381 | 0 | |
| 561 | N569A | 1.790052 | -3.25 | -5.170486 | 0 | |
| 562 | N570A | 3.123385 | -3.25 | -2.861085 | 0 | |
| 563 | N571B | 4.790052 | -3.25 | 0.025666 | 0 | |
| 564 | N572 | 6.248385 | -3.25 | 2.551574 | 0 | |
| 565 | N573 | -3.364625 | 0.333333 | -1.943245 | 0 | |
| 566 | N574 | -0.239625 | 0.333333 | -7.355904 | 0 | |
| 567 | N575A | -6.489625 | 0.333333 | 3.469414 | 0 | |
| 568 | N576 | -6.364625 | 0.333333 | 3.252907 | 0 | |
| 569 | N577 | -6.581132 | 0.333333 | 3.127907 | 0 | |
| 570 | N578 | -5.156292 | 0.333333 | 1.160013 | 0 | |
| 571 | N579B | -5.372798 | 0.333333 | 1.035013 | 0 | |
| 572 | N580A | -3.822959 | 0.333333 | -1.149388 | 0 | |
| 573 | N581B | -4.039465 | 0.333333 | -1.274388 | 0 | |
| 574 | N582B | -2.156292 | 0.333333 | -4.03614 | 0 | |
| 575 | N583B | -2.372798 | 0.333333 | -4.16114 | 0 | |
| 576 | N584C | -0.697959 | 0.333333 | -6.562047 | 0 | |
| 577 | N585 | -0.914465 | 0.333333 | -6.687047 | 0 | |
| 578 | N586B | -0.239625 | 4.25 | -7.355904 | 0 | |
| 579 | N587C | -6.489625 | 4.25 | 3.469414 | 0 | |
| 580 | N588B | -6.364625 | 4.25 | 3.252907 | 0 | |
| 581 | N589 | -6.581132 | 4.25 | 3.127907 | 0 | |
| 582 | N590 | -5.156292 | 4.25 | 1.160013 | 0 | |
| 583 | N591A | -5.372798 | 4.25 | 1.035013 | 0 | |
| 584 | N592A | -3.822959 | 4.25 | -1.149388 | 0 | |
| 585 | N593A | -4.039465 | 4.25 | -1.274388 | 0 | |
| 586 | N594A | -2.156292 | 4.25 | -4.03614 | 0 | |
| 587 | N595 | -2.372798 | 4.25 | -4.16114 | 0 | |
| 588 | N596 | -0.697959 | 4.25 | -6.562047 | 0 | |
| 589 | N597B | -0.914465 | 4.25 | -6.687047 | 0 | |
| 590 | N598B | -6.581132 | 4.916667 | 3.127907 | 0 | |
| 591 | N599A | -5.372798 | 4.916667 | 1.035013 | 0 | |
| 592 | N600 | -4.039465 | 4.916667 | -1.274388 | 0 | |
| 593 | N601A | -2.372798 | 4.916667 | -4.16114 | 0 | |



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Joint Coordinates and Temperatures (Continued)

| | Label | X [ft] | Y [ft] | Z [ft] | Temp [F] | Detach From Diap... |
|-----|-------|-----------|-----------|-----------|----------|---------------------|
| 594 | N602 | -0.914465 | 4.916667 | -6.687047 | 0 | |
| 595 | N603 | -6.581132 | -3.25 | 3.127907 | 0 | |
| 596 | N604 | -5.372798 | -3.25 | 1.035013 | 0 | |
| 597 | N605 | -4.039465 | -3.25 | -1.274388 | 0 | |
| 598 | N606A | -2.372798 | -3.25 | -4.16114 | 0 | |
| 599 | N607A | -0.914465 | -3.25 | -6.687047 | 0 | |
| 600 | N608 | 2.052492 | 0.333333 | -3.416667 | 0 | |
| 601 | N609 | 2.052492 | .5 | -3.416667 | 0 | |
| 602 | N606B | -2.052492 | 0.333333 | -3.416667 | 0 | |
| 603 | N607B | -2.052492 | .5 | -3.416667 | 0 | |
| 604 | N604A | -0.793857 | 0.145833 | 0.458333 | 0 | |
| 605 | N605B | -3.680608 | 0.145833 | 2.125 | 0 | |
| 606 | N606C | -5.808493 | 0.333333 | 2.439397 | 0 | |
| 607 | N607C | -5.016827 | 0.333333 | 3.810604 | 0 | |
| 608 | N608A | -0.866025 | -6.104167 | .5 | 0 | |
| 609 | N609A | -3.53627 | 0.145833 | 2.041667 | 0 | |
| 610 | N610A | -3.53627 | -0.104167 | 2.041667 | 0 | |
| 611 | N611A | -1.813087 | 0.333333 | 3.692975 | 0 | |
| 612 | N612A | -4.104753 | 0.333333 | -0.276308 | 0 | |
| 613 | N615 | -5.851719 | 0.333333 | 2.364528 | 0 | |
| 614 | N616 | -4.973601 | 0.333333 | 3.885474 | 0 | |
| 615 | N617A | -5.620993 | 0.333333 | 2.764157 | 0 | |
| 616 | N618A | -5.204327 | 0.333333 | 3.485844 | 0 | |
| 617 | N619A | -5.620993 | .5 | 2.764157 | 0 | |
| 618 | N620A | -5.204327 | .5 | 3.485844 | 0 | |
| 619 | N621 | -4.215893 | 0.333333 | -0.468807 | 0 | |
| 620 | N622 | -1.701948 | 0.333333 | 3.885474 | 0 | |
| 621 | N623 | -3.985166 | 0.333333 | -0.069177 | 0 | |
| 622 | N624 | -3.985166 | .5 | -0.069177 | 0 | |
| 623 | N625A | -1.932674 | 0.333333 | 3.485844 | 0 | |
| 624 | N626A | -1.932674 | .5 | 3.485844 | 0 | |
| 625 | N627A | 0.793857 | 0.145833 | 0.458333 | 0 | |
| 626 | N628A | 3.680608 | 0.145833 | 2.125 | 0 | |
| 627 | N629A | 5.016827 | 0.333333 | 3.810604 | 0 | |
| 628 | N630A | 5.808493 | 0.333333 | 2.439397 | 0 | |
| 629 | N631 | 0.866025 | -6.104167 | .5 | 0 | |
| 630 | N632 | 3.53627 | 0.145833 | 2.041667 | 0 | |
| 631 | N633A | 3.53627 | -0.104167 | 2.041667 | 0 | |
| 632 | N634A | 4.104753 | 0.333333 | -0.276308 | 0 | |
| 633 | N635A | 1.813087 | 0.333333 | 3.692975 | 0 | |
| 634 | N638B | 4.973601 | 0.333333 | 3.885474 | 0 | |
| 635 | N639B | 5.851719 | 0.333333 | 2.364528 | 0 | |
| 636 | N640B | 5.204327 | 0.333333 | 3.485844 | 0 | |
| 637 | N641B | 5.620993 | 0.333333 | 2.764157 | 0 | |
| 638 | N642B | 5.204327 | .5 | 3.485844 | 0 | |
| 639 | N643B | 5.620993 | .5 | 2.764157 | 0 | |
| 640 | N644B | 1.701948 | 0.333333 | 3.885474 | 0 | |
| 641 | N645B | 4.215893 | 0.333333 | -0.468807 | 0 | |
| 642 | N646B | 1.932674 | 0.333333 | 3.485844 | 0 | |
| 643 | N647B | 1.932674 | .5 | 3.485844 | 0 | |
| 644 | N648B | 3.985166 | 0.333333 | -0.069177 | 0 | |
| 645 | N649B | 3.985166 | .5 | -0.069177 | 0 | |
| 646 | N646C | -5.689182 | 4.25 | 2.081838 | 0 | |
| 647 | N647C | -5.580928 | 4.25 | 2.144338 | 0 | |
| 648 | N648C | -4.647515 | 4.25 | 3.886057 | 0 | |
| 649 | N649C | -4.647515 | 4.25 | 3.761057 | 0 | |
| 650 | N650B | 4.647515 | 4.25 | 3.886057 | 0 | |
| 651 | N651B | 4.647515 | 4.25 | 3.761057 | 0 | |
| 652 | N652 | 5.689182 | 4.25 | 2.081838 | 0 | |



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Joint Coordinates and Temperatures (Continued)

| | Label | X [ft] | Y [ft] | Z [ft] | Temp [F] | Detach From Diap... |
|-----|-------|----------|--------|----------|----------|---------------------|
| 653 | N653 | 5.580928 | 4.25 | 2.144338 | 0 | |

Hot Rolled Steel Section Sets

| | Label | Shape | Type | Design List | Material | Design ... | A [in2] | Iyy [in4] | Izz [in4] | J [in4] |
|----|---------------------------|-------------|--------|--------------|---------------|------------|---------|-----------|-----------|---------|
| 1 | Standoff HSS | HSS4X4X4 | Beam | Tube | A500 Gr. B 46 | Typical | 3.37 | 7.8 | 7.8 | 12.8 |
| 2 | Cross Brace | PL1/4x4 | Beam | RECT | A36 Gr.36 | Typical | 1 | .005 | 1.333 | .02 |
| 3 | Grating Angle | L2x2x3 | Beam | Single Angle | A36 Gr.36 | Typical | .722 | .271 | .271 | .009 |
| 4 | Corner Plate | PL1/4x4 | Beam | RECT | A36 Gr.36 | Typical | 1 | .005 | 1.333 | .02 |
| 5 | Face Horizontal | PIPE 3.0 | Beam | Pipe | A53 Gr. B | Typical | 2.07 | 2.85 | 2.85 | 5.69 |
| 6 | Mount Pipe | PIPE 2.5 | Column | Pipe | A53 Gr. B | Typical | 1.61 | 1.45 | 1.45 | 2.89 |
| 7 | Support Rail | PIPE 2.0 | Beam | Pipe | A53 Gr. B | Typical | 1.02 | .627 | .627 | 1.25 |
| 8 | Support Rail Brace | L3X2X3 | Beam | Single Angle | A36 Gr.36 | Typical | .917 | .305 | .847 | .012 |
| 9 | Kicker | LL3x3x4x3 | Beam | Single Angle | A36 Gr.36 | Typical | 2.88 | 5.48 | 2.46 | .063 |
| 10 | Circular Plate Connection | PL1/4x4 | Beam | RECT | A36 Gr.36 | Typical | 1 | .005 | 1.333 | .02 |
| 11 | Standoff HSS Sleeve | HSS4.5X4... | Beam | Tube | A500 Gr. B 46 | Typical | 5.48 | 15.3 | 15.3 | 25.7 |

Hot Rolled Steel Properties

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

Member Primary Data

| | Label | I Joint | J Joint | K Joint | Rotate(deg) | Section/Shape | Type | Design List | Material | Design Rules |
|----|-------|---------|---------|---------|-------------|-------------------|--------|--------------|--------------|--------------|
| 1 | M64 | N582A | N80 | | | Standoff HSS | Beam | Tube | A500 Gr. ... | Typical |
| 2 | M22 | N650 | N609 | | | Grating Angle | Beam | Single Angle | A36 Gr.36 | Typical |
| 3 | M23 | N651 | N607B | | 270 | Grating Angle | Beam | Single Angle | A36 Gr.36 | Typical |
| 4 | M27A | N136C | N135C | | | Corner Plate | Beam | RECT | A36 Gr.36 | Typical |
| 5 | FACE2 | N133A | N132 | | | Face Horizontal | Beam | Pipe | A53 Gr. B | Typical |
| 6 | M38 | N134A | N132 | | | Face Horizontal | Beam | Pipe | A53 Gr. B | Typical |
| 7 | M39 | N135D | N136D | | | RIGID | None | None | RIGID | Typical |
| 8 | L1 | N137B | N138C | | | RIGID | None | None | RIGID | Typical |
| 9 | M41 | N139B | N140B | | | RIGID | None | None | RIGID | Typical |
| 10 | M42 | N141B | N142 | | | RIGID | None | None | RIGID | Typical |
| 11 | L5 | N143A | N144 | | | RIGID | None | None | RIGID | Typical |
| 12 | M46 | N148 | N149 | | | RIGID | None | None | RIGID | Typical |
| 13 | M47 | N150 | N151 | | | RIGID | None | None | RIGID | Typical |
| 14 | M48 | N152 | N153 | | | RIGID | None | None | RIGID | Typical |
| 15 | M49 | N154 | N155 | | | RIGID | None | None | RIGID | Typical |
| 16 | M50 | N156 | N157 | | | RIGID | None | None | RIGID | Typical |
| 17 | M49A | N147 | N146 | | | Support Rail | Beam | Pipe | A53 Gr. B | Typical |
| 18 | MP1A | N157A | N162 | | | Mount Pipe | Column | Pipe | A53 Gr. B | Typical |
| 19 | MP2A | N158 | N163 | | | Mount Pipe | Column | Pipe | A53 Gr. B | Typical |
| 20 | MP3A | N159 | N164 | | | Mount Pipe | Column | Pipe | A53 Gr. B | Typical |
| 21 | MP4A | N160 | N165 | | | Mount Pipe | Column | Pipe | A53 Gr. B | Typical |
| 22 | MP5A | N161 | N166 | | | Mount Pipe | Column | Pipe | A53 Gr. B | Typical |
| 23 | M91 | N238 | N240 | | | RIGID | None | None | RIGID | Typical |
| 24 | M92 | N241 | N243 | | | RIGID | None | None | RIGID | Typical |
| 25 | M96 | N240 | N243 | | 180 | Support Rail B... | Beam | Single Angle | A36 Gr.36 | Typical |
| 26 | M97 | N250 | N252 | | | RIGID | None | None | RIGID | Typical |
| 27 | M98 | N252 | N249 | | | Kicker | Beam | Single Angle | A36 Gr.36 | Typical |



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Member Primary Data (Continued)

| | Label | I Joint | J Joint | K Joint | Rotate(deg) | Section/Shape | Type | Design List | Material | Design Rules |
|----|-------|---------|---------|---------|-------------|------------------|------|-------------|--------------|--------------|
| 28 | M105A | N489A | N490B | | | Cross Brace | Beam | RECT | A36 Gr.36 | Typical |
| 29 | M69 | N326 | N583A | | | RIGID | None | None | RIGID | Typical |
| 30 | M70 | N324 | N582A | | | RIGID | None | None | RIGID | Typical |
| 31 | M71 | N322 | N581A | | | RIGID | None | None | RIGID | Typical |
| 32 | M72 | N349 | N589A | | | RIGID | None | None | RIGID | Typical |
| 33 | M73A | N346B | N587A | | | RIGID | None | None | RIGID | Typical |
| 34 | M74A | N559 | N591B | | | RIGID | None | None | RIGID | Typical |
| 35 | M75A | N560 | N592B | | | RIGID | None | None | RIGID | Typical |
| 36 | M76A | N390A | N584A | | | RIGID | None | None | RIGID | Typical |
| 37 | M77A | N495A | N597A | | | RIGID | None | None | RIGID | Typical |
| 38 | M78A | N492 | N593B | | | RIGID | None | None | RIGID | Typical |
| 39 | M79A | N493A | N594B | | | RIGID | None | None | RIGID | Typical |
| 40 | M80A | N489B | N596B | | | RIGID | None | None | RIGID | Typical |
| 41 | M81A | N392 | N585A | | | RIGID | None | None | RIGID | Typical |
| 42 | M82A | N347 | N588A | | | RIGID | None | None | RIGID | Typical |
| 43 | M83A | N350B | N590B | | | RIGID | None | None | RIGID | Typical |
| 44 | M84A | N394 | N586A | | | RIGID | None | None | RIGID | Typical |
| 45 | M85A | N497B | N598A | | | RIGID | None | None | RIGID | Typical |
| 46 | M86 | N494A | N595B | | | RIGID | None | None | RIGID | Typical |
| 47 | M87A | N583A | N582A | | | RIGID | None | None | RIGID | Typical |
| 48 | M88A | N581A | N582A | | | RIGID | None | None | RIGID | Typical |
| 49 | M89A | N591B | N587A | | | RIGID | None | None | RIGID | Typical |
| 50 | M90A | N589A | N587A | | | RIGID | None | None | RIGID | Typical |
| 51 | M91B | N590B | N588A | | | RIGID | None | None | RIGID | Typical |
| 52 | M92B | N586A | N585A | | | RIGID | None | None | RIGID | Typical |
| 53 | M93 | N598A | N596B | | | RIGID | None | None | RIGID | Typical |
| 54 | M94 | N595B | N594B | | | RIGID | None | None | RIGID | Typical |
| 55 | M95 | N593B | N594B | | | RIGID | None | None | RIGID | Typical |
| 56 | M96B | N597A | N596B | | | RIGID | None | None | RIGID | Typical |
| 57 | M97A | N584A | N585A | | | RIGID | None | None | RIGID | Typical |
| 58 | M98A | N592B | N588A | | | RIGID | None | None | RIGID | Typical |
| 59 | M99 | N594B | N82 | | | Standoff HSS | Beam | Tube | A500 Gr. ... | Typical |
| 60 | M100 | N582A | N594B | | | Standoff HSS ... | Beam | Tube | A500 Gr. ... | Typical |
| 61 | M115 | N374 | N638 | | 240 | RIGID | None | None | RIGID | Typical |
| 62 | M116 | N372 | N637 | | 240 | RIGID | None | None | RIGID | Typical |
| 63 | M117 | N370 | N636 | | 240 | RIGID | None | None | RIGID | Typical |
| 64 | M118 | N421 | N644A | | 240 | RIGID | None | None | RIGID | Typical |
| 65 | M119 | N418A | N642 | | 240 | RIGID | None | None | RIGID | Typical |
| 66 | M120 | N415 | N646A | | 240 | RIGID | None | None | RIGID | Typical |
| 67 | M121 | N416A | N647A | | 240 | RIGID | None | None | RIGID | Typical |
| 68 | M122 | N438 | N639 | | 240 | RIGID | None | None | RIGID | Typical |
| 69 | M123 | N529A | N652A | | 240 | RIGID | None | None | RIGID | Typical |
| 70 | M124 | N515A | N648A | | 240 | RIGID | None | None | RIGID | Typical |
| 71 | M125 | N516 | N649A | | 240 | RIGID | None | None | RIGID | Typical |
| 72 | M126 | N523A | N651A | | 240 | RIGID | None | None | RIGID | Typical |
| 73 | M127 | N440 | N640 | | 240 | RIGID | None | None | RIGID | Typical |
| 74 | M128 | N419 | N643 | | 240 | RIGID | None | None | RIGID | Typical |
| 75 | M129 | N422A | N645A | | 240 | RIGID | None | None | RIGID | Typical |
| 76 | M130 | N442 | N641 | | 240 | RIGID | None | None | RIGID | Typical |
| 77 | M131 | N530A | N653A | | 240 | RIGID | None | None | RIGID | Typical |
| 78 | M132 | N517A | N650A | | 240 | RIGID | None | None | RIGID | Typical |
| 79 | M133 | N638 | N637 | | | RIGID | None | None | RIGID | Typical |
| 80 | M134 | N636 | N637 | | | RIGID | None | None | RIGID | Typical |
| 81 | M135 | N646A | N642 | | | RIGID | None | None | RIGID | Typical |
| 82 | M136 | N644A | N642 | | | RIGID | None | None | RIGID | Typical |
| 83 | M137 | N645A | N643 | | | RIGID | None | None | RIGID | Typical |
| 84 | M138 | N641 | N640 | | | RIGID | None | None | RIGID | Typical |
| 85 | M139 | N653A | N651A | | | RIGID | None | None | RIGID | Typical |
| 86 | M140 | N650A | N649A | | | RIGID | None | None | RIGID | Typical |



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Member Primary Data (Continued)

| | Label | I Joint | J Joint | K Joint | Rotate(deg) | Section/Shape | Type | Design List | Material | Design Rules |
|-----|-------|---------|---------|---------|-------------|------------------|--------|-------------|--------------|--------------|
| 87 | M141 | N648A | N649A | | | RIGID | None | None | RIGID | Typical |
| 88 | M142 | N652A | N651A | | | RIGID | None | None | RIGID | Typical |
| 89 | M143 | N639 | N640 | | | RIGID | None | None | RIGID | Typical |
| 90 | M144 | N647A | N643 | | | RIGID | None | None | RIGID | Typical |
| 91 | M146 | N637 | N649A | | | Standoff HSS ... | Beam | Tube | A500 Gr. ... | Typical |
| 92 | M161 | N278 | N695 | | 120 | RIGID | None | None | RIGID | Typical |
| 93 | M162 | N276 | N694 | | 120 | RIGID | None | None | RIGID | Typical |
| 94 | M163 | N274 | N693 | | 120 | RIGID | None | None | RIGID | Typical |
| 95 | M164 | N493 | N701 | | 120 | RIGID | None | None | RIGID | Typical |
| 96 | M165 | N490 | N699 | | 120 | RIGID | None | None | RIGID | Typical |
| 97 | M166 | N487 | N703 | | 120 | RIGID | None | None | RIGID | Typical |
| 98 | M167 | N488 | N704 | | 120 | RIGID | None | None | RIGID | Typical |
| 99 | M168 | N342A | N696 | | 120 | RIGID | None | None | RIGID | Typical |
| 100 | M169 | N581 | N709 | | 120 | RIGID | None | None | RIGID | Typical |
| 101 | M170 | N567 | N705 | | 120 | RIGID | None | None | RIGID | Typical |
| 102 | M171 | N568 | N706 | | 120 | RIGID | None | None | RIGID | Typical |
| 103 | M172 | N575 | N708 | | 120 | RIGID | None | None | RIGID | Typical |
| 104 | M173 | N344A | N697 | | 120 | RIGID | None | None | RIGID | Typical |
| 105 | M174 | N491 | N700 | | 120 | RIGID | None | None | RIGID | Typical |
| 106 | M175 | N494 | N702 | | 120 | RIGID | None | None | RIGID | Typical |
| 107 | M176 | N346A | N698 | | 120 | RIGID | None | None | RIGID | Typical |
| 108 | M177 | N582 | N710 | | 120 | RIGID | None | None | RIGID | Typical |
| 109 | M178 | N569 | N707 | | 120 | RIGID | None | None | RIGID | Typical |
| 110 | M179 | N695 | N694 | | | RIGID | None | None | RIGID | Typical |
| 111 | M180 | N693 | N694 | | | RIGID | None | None | RIGID | Typical |
| 112 | M181 | N703 | N699 | | | RIGID | None | None | RIGID | Typical |
| 113 | M182 | N701 | N699 | | | RIGID | None | None | RIGID | Typical |
| 114 | M183 | N702 | N700 | | | RIGID | None | None | RIGID | Typical |
| 115 | M184 | N698 | N697 | | | RIGID | None | None | RIGID | Typical |
| 116 | M185 | N710 | N708 | | | RIGID | None | None | RIGID | Typical |
| 117 | M186 | N707 | N706 | | | RIGID | None | None | RIGID | Typical |
| 118 | M187 | N705 | N706 | | | RIGID | None | None | RIGID | Typical |
| 119 | M188 | N709 | N708 | | | RIGID | None | None | RIGID | Typical |
| 120 | M189 | N696 | N697 | | | RIGID | None | None | RIGID | Typical |
| 121 | M190 | N704 | N700 | | | RIGID | None | None | RIGID | Typical |
| 122 | M192 | N694 | N706 | | | Standoff HSS ... | Beam | Tube | A500 Gr. ... | Typical |
| 123 | M196 | N136C | N647 | | | RIGID | None | None | RIGID | Typical |
| 124 | M197 | N135C | N646 | | | RIGID | None | None | RIGID | Typical |
| 125 | M198 | N650 | N648 | | | RIGID | None | None | RIGID | Typical |
| 126 | M199 | N651 | N649 | | | RIGID | None | None | RIGID | Typical |
| 127 | M169A | N606 | N674 | | | RIGID | None | None | RIGID | Typical |
| 128 | OVP | N607 | N606 | | | Mount Pipe | Column | Pipe | A53 Gr. B | Typical |
| 129 | M133A | N490B | N605A | | | RIGID | None | None | RIGID | Typical |
| 130 | M134A | N489A | N538A | | | RIGID | None | None | RIGID | Typical |
| 131 | M135A | N539A | N538B | | | Face Horizontal | Beam | Pipe | A53 Gr. B | Typical |
| 132 | M136A | N540 | N538B | | | Face Horizontal | Beam | Pipe | A53 Gr. B | Typical |
| 133 | M137A | N541A | N542A | | | RIGID | None | None | RIGID | Typical |
| 134 | M138A | N543 | N544A | | | RIGID | None | None | RIGID | Typical |
| 135 | M139A | N545A | N546 | | | RIGID | None | None | RIGID | Typical |
| 136 | M140A | N547A | N548A | | | RIGID | None | None | RIGID | Typical |
| 137 | M141A | N549 | N550A | | | RIGID | None | None | RIGID | Typical |
| 138 | M142A | N553A | N554A | | | RIGID | None | None | RIGID | Typical |
| 139 | M143A | N555 | N556A | | | RIGID | None | None | RIGID | Typical |
| 140 | M144A | N557A | N558 | | | RIGID | None | None | RIGID | Typical |
| 141 | M145 | N559A | N560A | | | RIGID | None | None | RIGID | Typical |
| 142 | M146A | N561 | N562 | | | RIGID | None | None | RIGID | Typical |
| 143 | M147 | N552 | N551A | | | Support Rail | Beam | Pipe | A53 Gr. B | Typical |
| 144 | MP1C | N563 | N568A | | | Mount Pipe | Column | Pipe | A53 Gr. B | Typical |
| 145 | MP2C | N564 | N569A | | | Mount Pipe | Column | Pipe | A53 Gr. B | Typical |



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Member Primary Data (Continued)

| | Label | I Joint | J Joint | K Joint | Rotate(deg) | Section/Shape | Type | Design List | Material | Design Rules |
|-----|-------|---------|---------|---------|-------------|------------------|--------|--------------|--------------|--------------|
| 146 | MP3C | N565A | N570A | | | Mount Pipe | Column | Pipe | A53 Gr. B | Typical |
| 147 | MP4C | N566A | N571B | | | Mount Pipe | Column | Pipe | A53 Gr. B | Typical |
| 148 | MP5C | N567A | N572 | | | Mount Pipe | Column | Pipe | A53 Gr. B | Typical |
| 149 | M153 | N574 | N573 | | | Face Horizontal | Beam | Pipe | A53 Gr. B | Typical |
| 150 | M154 | N575A | N573 | | | Face Horizontal | Beam | Pipe | A53 Gr. B | Typical |
| 151 | M155 | N576 | N577 | | | RIGID | None | None | RIGID | Typical |
| 152 | M156 | N578 | N579B | | | RIGID | None | None | RIGID | Typical |
| 153 | M157 | N580A | N581B | | | RIGID | None | None | RIGID | Typical |
| 154 | M158 | N582B | N583B | | | RIGID | None | None | RIGID | Typical |
| 155 | M159 | N584C | N585 | | | RIGID | None | None | RIGID | Typical |
| 156 | M160 | N588B | N589 | | | RIGID | None | None | RIGID | Typical |
| 157 | M161A | N590 | N591A | | | RIGID | None | None | RIGID | Typical |
| 158 | M162A | N592A | N593A | | | RIGID | None | None | RIGID | Typical |
| 159 | M163A | N594A | N595 | | | RIGID | None | None | RIGID | Typical |
| 160 | M164A | N596 | N597B | | | RIGID | None | None | RIGID | Typical |
| 161 | M165A | N587C | N586B | | | Support Rail | Beam | Pipe | A53 Gr. B | Typical |
| 162 | MP1B | N598B | N603 | | | Mount Pipe | Column | Pipe | A53 Gr. B | Typical |
| 163 | MP2B | N599A | N604 | | | Mount Pipe | Column | Pipe | A53 Gr. B | Typical |
| 164 | MP3B | N600 | N605 | | | Mount Pipe | Column | Pipe | A53 Gr. B | Typical |
| 165 | MP4B | N601A | N606A | | | Mount Pipe | Column | Pipe | A53 Gr. B | Typical |
| 166 | MP5B | N602 | N607A | | | Mount Pipe | Column | Pipe | A53 Gr. B | Typical |
| 167 | M171A | N609 | N608 | | | RIGID | None | None | RIGID | Typical |
| 168 | M170B | N607B | N606B | | | RIGID | None | None | RIGID | Typical |
| 169 | M169C | N637 | N604A | | | Standoff HSS | Beam | Tube | A500 Gr. ... | Typical |
| 170 | M170C | N619A | N624 | | | Grating Angle | Beam | Single Angle | A36 Gr.36 | Typical |
| 171 | M171B | N620A | N626A | | 270 | Grating Angle | Beam | Single Angle | A36 Gr.36 | Typical |
| 172 | M172A | N607C | N606C | | | Corner Plate | Beam | RECT | A36 Gr.36 | Typical |
| 173 | M173A | N609A | N610A | | 240 | RIGID | None | None | RIGID | Typical |
| 174 | M174A | N610A | N608A | | | Kicker | Beam | Single Angle | A36 Gr.36 | Typical |
| 175 | M175A | N611A | N612A | | | Cross Brace | Beam | RECT | A36 Gr.36 | Typical |
| 176 | M176A | N649A | N605B | | | Standoff HSS | Beam | Tube | A500 Gr. ... | Typical |
| 177 | M177A | N637 | N649A | | | Standoff HSS ... | Beam | Tube | A500 Gr. ... | Typical |
| 178 | M178A | N607C | N616 | | | RIGID | None | None | RIGID | Typical |
| 179 | M179A | N606C | N615 | | | RIGID | None | None | RIGID | Typical |
| 180 | M180A | N619A | N617A | | 240 | RIGID | None | None | RIGID | Typical |
| 181 | M181A | N620A | N618A | | 240 | RIGID | None | None | RIGID | Typical |
| 182 | M182A | N612A | N621 | | | RIGID | None | None | RIGID | Typical |
| 183 | M183A | N611A | N622 | | | RIGID | None | None | RIGID | Typical |
| 184 | M184A | N624 | N623 | | 240 | RIGID | None | None | RIGID | Typical |
| 185 | M185A | N626A | N625A | | 240 | RIGID | None | None | RIGID | Typical |
| 186 | M186A | N694 | N627A | | | Standoff HSS | Beam | Tube | A500 Gr. ... | Typical |
| 187 | M187A | N642B | N647B | | | Grating Angle | Beam | Single Angle | A36 Gr.36 | Typical |
| 188 | M188A | N643B | N649B | | 270 | Grating Angle | Beam | Single Angle | A36 Gr.36 | Typical |
| 189 | M189A | N630A | N629A | | | Corner Plate | Beam | RECT | A36 Gr.36 | Typical |
| 190 | M190A | N632 | N633A | | 120 | RIGID | None | None | RIGID | Typical |
| 191 | M191 | N633A | N631 | | | Kicker | Beam | Single Angle | A36 Gr.36 | Typical |
| 192 | M192A | N634A | N635A | | | Cross Brace | Beam | RECT | A36 Gr.36 | Typical |
| 193 | M193 | N706 | N628A | | | Standoff HSS | Beam | Tube | A500 Gr. ... | Typical |
| 194 | M194 | N694 | N706 | | | Standoff HSS ... | Beam | Tube | A500 Gr. ... | Typical |
| 195 | M195 | N630A | N639B | | | RIGID | None | None | RIGID | Typical |
| 196 | M196A | N629A | N638B | | | RIGID | None | None | RIGID | Typical |
| 197 | M197A | N642B | N640B | | 120 | RIGID | None | None | RIGID | Typical |
| 198 | M198A | N643B | N641B | | 120 | RIGID | None | None | RIGID | Typical |
| 199 | M199A | N635A | N644B | | | RIGID | None | None | RIGID | Typical |
| 200 | M200 | N634A | N645B | | | RIGID | None | None | RIGID | Typical |
| 201 | M201 | N647B | N646B | | 120 | RIGID | None | None | RIGID | Typical |
| 202 | M202 | N649B | N648B | | 120 | RIGID | None | None | RIGID | Typical |
| 203 | M203 | N646C | N647C | | | RIGID | None | None | RIGID | Typical |
| 204 | M204 | N648C | N649C | | | RIGID | None | None | RIGID | Typical |



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Member Primary Data (Continued)

| | Label | I Joint | J Joint | K Joint | Rotate(deg) | Section/Shape | Type | Design List | Material | Design Rules |
|-----|-------|---------|---------|---------|-------------|-------------------|------|--------------|-----------|--------------|
| 205 | M205 | N647C | N649C | | 180 | Support Rail B... | Beam | Single Angle | A36 Gr.36 | Typical |
| 206 | M206 | N650B | N651B | | | RIGID | None | None | RIGID | Typical |
| 207 | M207 | N652 | N653 | | | RIGID | None | None | RIGID | Typical |
| 208 | M208 | N651B | N653 | | 180 | Support Rail B... | Beam | Single Angle | A36 Gr.36 | Typical |

Member Point Loads (BLC 1 : Antenna D)

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 1 | M38 | Y | -20.8 | 2 |
| 2 | M38 | My | 0 | 2 |
| 3 | M38 | Mz | 0 | 2 |
| 4 | M38 | Y | -20.8 | 2 |
| 5 | M38 | My | 0 | 2 |
| 6 | M38 | Mz | 0 | 2 |
| 7 | MP5A | Y | -43.55 | 1.75 |
| 8 | MP5A | My | -.011 | 1.75 |
| 9 | MP5A | Mz | .019 | 1.75 |
| 10 | MP5A | Y | -43.55 | 3.75 |
| 11 | MP5A | My | -.011 | 3.75 |
| 12 | MP5A | Mz | .019 | 3.75 |
| 13 | MP5B | Y | -43.55 | 1.75 |
| 14 | MP5B | My | -.02 | 1.75 |
| 15 | MP5B | Mz | -.007 | 1.75 |
| 16 | MP5B | Y | -43.55 | 3.75 |
| 17 | MP5B | My | -.02 | 3.75 |
| 18 | MP5B | Mz | -.007 | 3.75 |
| 19 | MP5C | Y | -43.55 | 1.75 |
| 20 | MP5C | My | .019 | 1.75 |
| 21 | MP5C | Mz | .011 | 1.75 |
| 22 | MP5C | Y | -43.55 | 3.75 |
| 23 | MP5C | My | .019 | 3.75 |
| 24 | MP5C | Mz | .011 | 3.75 |
| 25 | MP1B | Y | -45.75 | .25 |
| 26 | MP1B | My | -.008 | .25 |
| 27 | MP1B | Mz | -.044 | .25 |
| 28 | MP1B | Y | -45.75 | 5.25 |
| 29 | MP1B | My | -.008 | 5.25 |
| 30 | MP1B | Mz | -.044 | 5.25 |
| 31 | MP1B | Y | -45.75 | .25 |
| 32 | MP1B | My | -.035 | .25 |
| 33 | MP1B | Mz | .028 | .25 |
| 34 | MP1B | Y | -45.75 | 5.25 |
| 35 | MP1B | My | -.035 | 5.25 |
| 36 | MP1B | Mz | .028 | 5.25 |
| 37 | MP3C | Y | -45.75 | .25 |
| 38 | MP3C | My | .000748 | .25 |
| 39 | MP3C | Mz | .044 | .25 |
| 40 | MP3C | Y | -45.75 | 5.25 |
| 41 | MP3C | My | .000748 | 5.25 |
| 42 | MP3C | Mz | .044 | 5.25 |
| 43 | MP3C | Y | -45.75 | .25 |
| 44 | MP3C | My | .039 | .25 |
| 45 | MP3C | Mz | -.022 | .25 |
| 46 | MP3C | Y | -45.75 | 5.25 |
| 47 | MP3C | My | .039 | 5.25 |
| 48 | MP3C | Mz | -.022 | 5.25 |
| 49 | MP2A | Y | -31.65 | .25 |
| 50 | MP2A | My | -.026 | .25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 51 | MP2A | Mz | .003 | .25 |
| 52 | MP2A | Y | -31.65 | 5.25 |
| 53 | MP2A | My | -.026 | 5.25 |
| 54 | MP2A | Mz | .003 | 5.25 |
| 55 | MP2A | Y | -31.65 | .25 |
| 56 | MP2A | My | .01 | .25 |
| 57 | MP2A | Mz | .024 | .25 |
| 58 | MP2A | Y | -31.65 | 5.25 |
| 59 | MP2A | My | .01 | 5.25 |
| 60 | MP2A | Mz | .024 | 5.25 |
| 61 | MP3A | Y | -4.4 | 1 |
| 62 | MP3A | My | -.001 | 1 |
| 63 | MP3A | Mz | .002 | 1 |
| 64 | MP3B | Y | -4.4 | 1 |
| 65 | MP3B | My | -.002 | 1 |
| 66 | MP3B | Mz | -.000752 | 1 |
| 67 | MP4C | Y | -4.4 | 1 |
| 68 | MP4C | My | .002 | 1 |
| 69 | MP4C | Mz | .001 | 1 |
| 70 | MP1C | Y | -84.4 | 2.25 |
| 71 | MP1C | My | .021 | 2.25 |
| 72 | MP1C | Mz | -.037 | 2.25 |
| 73 | MP4A | Y | -84.4 | 2.25 |
| 74 | MP4A | My | .021 | 2.25 |
| 75 | MP4A | Mz | -.037 | 2.25 |
| 76 | MP4B | Y | -84.4 | 2.25 |
| 77 | MP4B | My | .021 | 2.25 |
| 78 | MP4B | Mz | -.037 | 2.25 |
| 79 | MP3C | Y | -70.3 | 2.25 |
| 80 | MP3C | My | .018 | 2.25 |
| 81 | MP3C | Mz | -.03 | 2.25 |
| 82 | MP5A | Y | -70.3 | 2.25 |
| 83 | MP5A | My | .018 | 2.25 |
| 84 | MP5A | Mz | -.03 | 2.25 |
| 85 | MP5B | Y | -70.3 | 2.25 |
| 86 | MP5B | My | .018 | 2.25 |
| 87 | MP5B | Mz | -.03 | 2.25 |
| 88 | OVP | Y | -32 | 1 |
| 89 | OVP | My | 0 | 1 |
| 90 | OVP | Mz | 0 | 1 |
| 91 | M38 | Y | -20.8 | 2 |
| 92 | M38 | My | 0 | 2 |
| 93 | M38 | Mz | 0 | 2 |

Member Point Loads (BLC 2 : Antenna Di)

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 1 | M38 | Y | -15.724 | 2 |
| 2 | M38 | My | 0 | 2 |
| 3 | M38 | Mz | 0 | 2 |
| 4 | M38 | Y | -15.724 | 2 |
| 5 | M38 | My | 0 | 2 |
| 6 | M38 | Mz | 0 | 2 |
| 7 | MP5A | Y | -34.72 | 1.75 |
| 8 | MP5A | My | -.009 | 1.75 |
| 9 | MP5A | Mz | .015 | 1.75 |
| 10 | MP5A | Y | -34.72 | 3.75 |
| 11 | MP5A | My | -.009 | 3.75 |
| 12 | MP5A | Mz | .015 | 3.75 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 13 | MP5B | Y | -34.72 | 1.75 |
| 14 | MP5B | My | -.016 | 1.75 |
| 15 | MP5B | Mz | -.006 | 1.75 |
| 16 | MP5B | Y | -34.72 | 3.75 |
| 17 | MP5B | My | -.016 | 3.75 |
| 18 | MP5B | Mz | -.006 | 3.75 |
| 19 | MP5C | Y | -34.72 | 1.75 |
| 20 | MP5C | My | .015 | 1.75 |
| 21 | MP5C | Mz | .009 | 1.75 |
| 22 | MP5C | Y | -34.72 | 3.75 |
| 23 | MP5C | My | .015 | 3.75 |
| 24 | MP5C | Mz | .009 | 3.75 |
| 25 | MP1B | Y | -76.782 | .25 |
| 26 | MP1B | My | -.014 | .25 |
| 27 | MP1B | Mz | -.073 | .25 |
| 28 | MP1B | Y | -76.782 | 5.25 |
| 29 | MP1B | My | -.014 | 5.25 |
| 30 | MP1B | Mz | -.073 | 5.25 |
| 31 | MP1B | Y | -76.782 | .25 |
| 32 | MP1B | My | -.058 | .25 |
| 33 | MP1B | Mz | .047 | .25 |
| 34 | MP1B | Y | -76.782 | 5.25 |
| 35 | MP1B | My | -.058 | 5.25 |
| 36 | MP1B | Mz | .047 | 5.25 |
| 37 | MP3C | Y | -76.782 | .25 |
| 38 | MP3C | My | .001 | .25 |
| 39 | MP3C | Mz | .075 | .25 |
| 40 | MP3C | Y | -76.782 | 5.25 |
| 41 | MP3C | My | .001 | 5.25 |
| 42 | MP3C | Mz | .075 | 5.25 |
| 43 | MP3C | Y | -76.782 | .25 |
| 44 | MP3C | My | .065 | .25 |
| 45 | MP3C | Mz | -.036 | .25 |
| 46 | MP3C | Y | -76.782 | 5.25 |
| 47 | MP3C | My | .065 | 5.25 |
| 48 | MP3C | Mz | -.036 | 5.25 |
| 49 | MP2A | Y | -68.223 | .25 |
| 50 | MP2A | My | -.056 | .25 |
| 51 | MP2A | Mz | .007 | .25 |
| 52 | MP2A | Y | -68.223 | 5.25 |
| 53 | MP2A | My | -.056 | 5.25 |
| 54 | MP2A | Mz | .007 | 5.25 |
| 55 | MP2A | Y | -68.223 | .25 |
| 56 | MP2A | My | .022 | .25 |
| 57 | MP2A | Mz | .052 | .25 |
| 58 | MP2A | Y | -68.223 | 5.25 |
| 59 | MP2A | My | .022 | 5.25 |
| 60 | MP2A | Mz | .052 | 5.25 |
| 61 | MP3A | Y | -13.069 | 1 |
| 62 | MP3A | My | -.003 | 1 |
| 63 | MP3A | Mz | .006 | 1 |
| 64 | MP3B | Y | -13.069 | 1 |
| 65 | MP3B | My | -.006 | 1 |
| 66 | MP3B | Mz | -.002 | 1 |
| 67 | MP4C | Y | -13.069 | 1 |
| 68 | MP4C | My | .006 | 1 |
| 69 | MP4C | Mz | .003 | 1 |
| 70 | MP1C | Y | -43.757 | 2.25 |
| 71 | MP1C | My | .011 | 2.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 72 | MP1C | Mz | -.019 | 2.25 |
| 73 | MP4A | Y | -43.757 | 2.25 |
| 74 | MP4A | My | .011 | 2.25 |
| 75 | MP4A | Mz | -.019 | 2.25 |
| 76 | MP4B | Y | -43.757 | 2.25 |
| 77 | MP4B | My | .011 | 2.25 |
| 78 | MP4B | Mz | -.019 | 2.25 |
| 79 | MP3C | Y | -39.344 | 2.25 |
| 80 | MP3C | My | .01 | 2.25 |
| 81 | MP3C | Mz | -.017 | 2.25 |
| 82 | MP5A | Y | -39.344 | 2.25 |
| 83 | MP5A | My | .01 | 2.25 |
| 84 | MP5A | Mz | -.017 | 2.25 |
| 85 | MP5B | Y | -39.344 | 2.25 |
| 86 | MP5B | My | .01 | 2.25 |
| 87 | MP5B | Mz | -.017 | 2.25 |
| 88 | OVP | Y | -85.743 | 1 |
| 89 | OVP | My | 0 | 1 |
| 90 | OVP | Mz | 0 | 1 |
| 91 | M38 | Y | -15.724 | 2 |
| 92 | M38 | My | 0 | 2 |
| 93 | M38 | Mz | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | 0 | 2 |
| 2 | M38 | Z | -18.925 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | 0 | 2 |
| 5 | M38 | Z | -18.925 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | 0 | 1.75 |
| 8 | MP5A | Z | -39.567 | 1.75 |
| 9 | MP5A | Mx | -.017 | 1.75 |
| 10 | MP5A | X | 0 | 3.75 |
| 11 | MP5A | Z | -39.567 | 3.75 |
| 12 | MP5A | Mx | -.017 | 3.75 |
| 13 | MP5B | X | 0 | 1.75 |
| 14 | MP5B | Z | -71.874 | 1.75 |
| 15 | MP5B | Mx | .012 | 1.75 |
| 16 | MP5B | X | 0 | 3.75 |
| 17 | MP5B | Z | -71.874 | 3.75 |
| 18 | MP5B | Mx | .012 | 3.75 |
| 19 | MP5C | X | 0 | 1.75 |
| 20 | MP5C | Z | -65.085 | 1.75 |
| 21 | MP5C | Mx | -.016 | 1.75 |
| 22 | MP5C | X | 0 | 3.75 |
| 23 | MP5C | Z | -65.085 | 3.75 |
| 24 | MP5C | Mx | -.016 | 3.75 |
| 25 | MP1B | X | 0 | .25 |
| 26 | MP1B | Z | -212.174 | .25 |
| 27 | MP1B | Mx | .202 | .25 |
| 28 | MP1B | X | 0 | 5.25 |
| 29 | MP1B | Z | -212.174 | 5.25 |
| 30 | MP1B | Mx | .202 | 5.25 |
| 31 | MP1B | X | 0 | .25 |
| 32 | MP1B | Z | -212.174 | .25 |
| 33 | MP1B | Mx | -.13 | .25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 34 | MP1B | X | 0 | 5.25 |
| 35 | MP1B | Z | -212.174 | 5.25 |
| 36 | MP1B | Mx | -.13 | 5.25 |
| 37 | MP3C | X | 0 | .25 |
| 38 | MP3C | Z | -196.017 | .25 |
| 39 | MP3C | Mx | -.19 | .25 |
| 40 | MP3C | X | 0 | 5.25 |
| 41 | MP3C | Z | -196.017 | 5.25 |
| 42 | MP3C | Mx | -.19 | 5.25 |
| 43 | MP3C | X | 0 | .25 |
| 44 | MP3C | Z | -196.017 | .25 |
| 45 | MP3C | Mx | .092 | .25 |
| 46 | MP3C | X | 0 | 5.25 |
| 47 | MP3C | Z | -196.017 | 5.25 |
| 48 | MP3C | Mx | .092 | 5.25 |
| 49 | MP2A | X | 0 | .25 |
| 50 | MP2A | Z | -134.34 | .25 |
| 51 | MP2A | Mx | -.013 | .25 |
| 52 | MP2A | X | 0 | 5.25 |
| 53 | MP2A | Z | -134.34 | 5.25 |
| 54 | MP2A | Mx | -.013 | 5.25 |
| 55 | MP2A | X | 0 | .25 |
| 56 | MP2A | Z | -134.34 | .25 |
| 57 | MP2A | Mx | -.103 | .25 |
| 58 | MP2A | X | 0 | 5.25 |
| 59 | MP2A | Z | -134.34 | 5.25 |
| 60 | MP2A | Mx | -.103 | 5.25 |
| 61 | MP3A | X | 0 | 1 |
| 62 | MP3A | Z | -14.036 | 1 |
| 63 | MP3A | Mx | -.006 | 1 |
| 64 | MP3B | X | 0 | 1 |
| 65 | MP3B | Z | -32.024 | 1 |
| 66 | MP3B | Mx | .005 | 1 |
| 67 | MP4C | X | 0 | 1 |
| 68 | MP4C | Z | -28.244 | 1 |
| 69 | MP4C | Mx | -.007 | 1 |
| 70 | MP1C | X | 0 | 2.25 |
| 71 | MP1C | Z | -46.369 | 2.25 |
| 72 | MP1C | Mx | .02 | 2.25 |
| 73 | MP4A | X | 0 | 2.25 |
| 74 | MP4A | Z | -46.369 | 2.25 |
| 75 | MP4A | Mx | .02 | 2.25 |
| 76 | MP4B | X | 0 | 2.25 |
| 77 | MP4B | Z | -46.369 | 2.25 |
| 78 | MP4B | Mx | .02 | 2.25 |
| 79 | MP3C | X | 0 | 2.25 |
| 80 | MP3C | Z | -40.709 | 2.25 |
| 81 | MP3C | Mx | .018 | 2.25 |
| 82 | MP5A | X | 0 | 2.25 |
| 83 | MP5A | Z | -40.709 | 2.25 |
| 84 | MP5A | Mx | .018 | 2.25 |
| 85 | MP5B | X | 0 | 2.25 |
| 86 | MP5B | Z | -40.709 | 2.25 |
| 87 | MP5B | Mx | .018 | 2.25 |
| 88 | OVP | X | 0 | 1 |
| 89 | OVP | Z | -103.262 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | 0 | 2 |
| 92 | M38 | Z | -18.925 | 2 |



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

| Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|--------------|-----------|--------------------|-----------------|
| 93 M38 | Mx | 0 | 2 |

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

| Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|--------------|-----------|--------------------|-----------------|
| 1 M38 | X | 10.167 | 2 |
| 2 M38 | Z | -17.61 | 2 |
| 3 M38 | Mx | 0 | 2 |
| 4 M38 | X | 10.167 | 2 |
| 5 M38 | Z | -17.61 | 2 |
| 6 M38 | Mx | 0 | 2 |
| 7 MP5A | X | 13.404 | 1.75 |
| 8 MP5A | Z | -23.217 | 1.75 |
| 9 MP5A | Mx | -.013 | 1.75 |
| 10 MP5A | X | 13.404 | 3.75 |
| 11 MP5A | Z | -23.217 | 3.75 |
| 12 MP5A | Mx | -.013 | 3.75 |
| 13 MP5B | X | 38.153 | 1.75 |
| 14 MP5B | Z | -66.082 | 1.75 |
| 15 MP5B | Mx | -.007 | 1.75 |
| 16 MP5B | X | 38.153 | 3.75 |
| 17 MP5B | Z | -66.082 | 3.75 |
| 18 MP5B | Mx | -.007 | 3.75 |
| 19 MP5C | X | 38.922 | 1.75 |
| 20 MP5C | Z | -67.415 | 1.75 |
| 21 MP5C | Mx | 0 | 1.75 |
| 22 MP5C | X | 38.922 | 3.75 |
| 23 MP5C | Z | -67.415 | 3.75 |
| 24 MP5C | Mx | 0 | 3.75 |
| 25 MP1B | X | 111.36 | .25 |
| 26 MP1B | Z | -192.881 | .25 |
| 27 MP1B | Mx | .163 | .25 |
| 28 MP1B | X | 111.36 | 5.25 |
| 29 MP1B | Z | -192.881 | 5.25 |
| 30 MP1B | Mx | .163 | 5.25 |
| 31 MP1B | X | 111.36 | .25 |
| 32 MP1B | Z | -192.881 | .25 |
| 33 MP1B | Mx | -.202 | .25 |
| 34 MP1B | X | 111.36 | 5.25 |
| 35 MP1B | Z | -192.881 | 5.25 |
| 36 MP1B | Mx | -.202 | 5.25 |
| 37 MP3C | X | 113.191 | .25 |
| 38 MP3C | Z | -196.053 | .25 |
| 39 MP3C | Mx | -.189 | .25 |
| 40 MP3C | X | 113.191 | 5.25 |
| 41 MP3C | Z | -196.053 | 5.25 |
| 42 MP3C | Mx | -.189 | 5.25 |
| 43 MP3C | X | 113.191 | .25 |
| 44 MP3C | Z | -196.053 | .25 |
| 45 MP3C | Mx | .189 | .25 |
| 46 MP3C | X | 113.191 | 5.25 |
| 47 MP3C | Z | -196.053 | 5.25 |
| 48 MP3C | Mx | .189 | 5.25 |
| 49 MP2A | X | 59.409 | .25 |
| 50 MP2A | Z | -102.899 | .25 |
| 51 MP2A | Mx | -.059 | .25 |
| 52 MP2A | X | 59.409 | 5.25 |
| 53 MP2A | Z | -102.899 | 5.25 |
| 54 MP2A | Mx | -.059 | 5.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 55 | MP2A | X | 59.409 | .25 |
| 56 | MP2A | Z | -102.899 | .25 |
| 57 | MP2A | Mx | -.059 | .25 |
| 58 | MP2A | X | 59.409 | 5.25 |
| 59 | MP2A | Z | -102.899 | 5.25 |
| 60 | MP2A | Mx | -.059 | 5.25 |
| 61 | MP3A | X | 3.466 | 1 |
| 62 | MP3A | Z | -6.003 | 1 |
| 63 | MP3A | Mx | -.003 | 1 |
| 64 | MP3B | X | 17.245 | 1 |
| 65 | MP3B | Z | -29.87 | 1 |
| 66 | MP3B | Mx | -.003 | 1 |
| 67 | MP4C | X | 17.674 | 1 |
| 68 | MP4C | Z | -30.612 | 1 |
| 69 | MP4C | Mx | 0 | 1 |
| 70 | MP1C | X | 20.652 | 2.25 |
| 71 | MP1C | Z | -35.771 | 2.25 |
| 72 | MP1C | Mx | .021 | 2.25 |
| 73 | MP4A | X | 20.652 | 2.25 |
| 74 | MP4A | Z | -35.771 | 2.25 |
| 75 | MP4A | Mx | .021 | 2.25 |
| 76 | MP4B | X | 20.652 | 2.25 |
| 77 | MP4B | Z | -35.771 | 2.25 |
| 78 | MP4B | Mx | .021 | 2.25 |
| 79 | MP3C | X | 16.879 | 2.25 |
| 80 | MP3C | Z | -29.236 | 2.25 |
| 81 | MP3C | Mx | .017 | 2.25 |
| 82 | MP5A | X | 16.879 | 2.25 |
| 83 | MP5A | Z | -29.236 | 2.25 |
| 84 | MP5A | Mx | .017 | 2.25 |
| 85 | MP5B | X | 16.879 | 2.25 |
| 86 | MP5B | Z | -29.236 | 2.25 |
| 87 | MP5B | Mx | .017 | 2.25 |
| 88 | OVP | X | 47.858 | 1 |
| 89 | OVP | Z | -82.893 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | 10.167 | 2 |
| 92 | M38 | Z | -17.61 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 1 | M38 | X | 16.389 | 2 |
| 2 | M38 | Z | -9.462 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | 16.389 | 2 |
| 5 | M38 | Z | -9.462 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | 34.266 | 1.75 |
| 8 | MP5A | Z | -19.784 | 1.75 |
| 9 | MP5A | Mx | -.017 | 1.75 |
| 10 | MP5A | X | 34.266 | 3.75 |
| 11 | MP5A | Z | -19.784 | 3.75 |
| 12 | MP5A | Mx | -.017 | 3.75 |
| 13 | MP5B | X | 49.153 | 1.75 |
| 14 | MP5B | Z | -28.379 | 1.75 |
| 15 | MP5B | Mx | -.018 | 1.75 |
| 16 | MP5B | X | 49.153 | 3.75 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 17 | MP5B | Z | -28.379 | 3.75 |
| 18 | MP5B | Mx | -.018 | 3.75 |
| 19 | MP5C | X | 56.365 | 1.75 |
| 20 | MP5C | Z | -32.543 | 1.75 |
| 21 | MP5C | Mx | .016 | 1.75 |
| 22 | MP5C | X | 56.365 | 3.75 |
| 23 | MP5C | Z | -32.543 | 3.75 |
| 24 | MP5C | Mx | .016 | 3.75 |
| 25 | MP1B | X | 152.59 | .25 |
| 26 | MP1B | Z | -88.098 | .25 |
| 27 | MP1B | Mx | .056 | .25 |
| 28 | MP1B | X | 152.59 | 5.25 |
| 29 | MP1B | Z | -88.098 | 5.25 |
| 30 | MP1B | Mx | .056 | 5.25 |
| 31 | MP1B | X | 152.59 | .25 |
| 32 | MP1B | Z | -88.098 | .25 |
| 33 | MP1B | Mx | -.169 | .25 |
| 34 | MP1B | X | 152.59 | 5.25 |
| 35 | MP1B | Z | -88.098 | 5.25 |
| 36 | MP1B | Mx | -.169 | 5.25 |
| 37 | MP3C | X | 169.755 | .25 |
| 38 | MP3C | Z | -98.008 | .25 |
| 39 | MP3C | Mx | -.092 | .25 |
| 40 | MP3C | X | 169.755 | 5.25 |
| 41 | MP3C | Z | -98.008 | 5.25 |
| 42 | MP3C | Mx | -.092 | 5.25 |
| 43 | MP3C | X | 169.755 | .25 |
| 44 | MP3C | Z | -98.008 | .25 |
| 45 | MP3C | Mx | .19 | .25 |
| 46 | MP3C | X | 169.755 | 5.25 |
| 47 | MP3C | Z | -98.008 | 5.25 |
| 48 | MP3C | Mx | .19 | 5.25 |
| 49 | MP2A | X | 116.342 | .25 |
| 50 | MP2A | Z | -67.17 | .25 |
| 51 | MP2A | Mx | -.103 | .25 |
| 52 | MP2A | X | 116.342 | 5.25 |
| 53 | MP2A | Z | -67.17 | 5.25 |
| 54 | MP2A | Mx | -.103 | 5.25 |
| 55 | MP2A | X | 116.342 | .25 |
| 56 | MP2A | Z | -67.17 | .25 |
| 57 | MP2A | Mx | -.013 | .25 |
| 58 | MP2A | X | 116.342 | 5.25 |
| 59 | MP2A | Z | -67.17 | 5.25 |
| 60 | MP2A | Mx | -.013 | 5.25 |
| 61 | MP3A | X | 12.155 | 1 |
| 62 | MP3A | Z | -7.018 | 1 |
| 63 | MP3A | Mx | -.006 | 1 |
| 64 | MP3B | X | 20.444 | 1 |
| 65 | MP3B | Z | -11.803 | 1 |
| 66 | MP3B | Mx | -.008 | 1 |
| 67 | MP4C | X | 24.46 | 1 |
| 68 | MP4C | Z | -14.122 | 1 |
| 69 | MP4C | Mx | .007 | 1 |
| 70 | MP1C | X | 40.157 | 2.25 |
| 71 | MP1C | Z | -23.184 | 2.25 |
| 72 | MP1C | Mx | .02 | 2.25 |
| 73 | MP4A | X | 40.157 | 2.25 |
| 74 | MP4A | Z | -23.184 | 2.25 |
| 75 | MP4A | Mx | .02 | 2.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 76 | MP4B | X | 40.157 | 2.25 |
| 77 | MP4B | Z | -23.184 | 2.25 |
| 78 | MP4B | Mx | .02 | 2.25 |
| 79 | MP3C | X | 35.255 | 2.25 |
| 80 | MP3C | Z | -20.355 | 2.25 |
| 81 | MP3C | Mx | .018 | 2.25 |
| 82 | MP5A | X | 35.255 | 2.25 |
| 83 | MP5A | Z | -20.355 | 2.25 |
| 84 | MP5A | Mx | .018 | 2.25 |
| 85 | MP5B | X | 35.255 | 2.25 |
| 86 | MP5B | Z | -20.355 | 2.25 |
| 87 | MP5B | Mx | .018 | 2.25 |
| 88 | OVP | X | 89.428 | 1 |
| 89 | OVP | Z | -51.631 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | 16.389 | 2 |
| 92 | M38 | Z | -9.462 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | 16.105 | 2 |
| 2 | M38 | Z | 0 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | 16.105 | 2 |
| 5 | M38 | Z | 0 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | 65.085 | 1.75 |
| 8 | MP5A | Z | 0 | 1.75 |
| 9 | MP5A | Mx | -.016 | 1.75 |
| 10 | MP5A | X | 65.085 | 3.75 |
| 11 | MP5A | Z | 0 | 3.75 |
| 12 | MP5A | Mx | -.016 | 3.75 |
| 13 | MP5B | X | 32.779 | 1.75 |
| 14 | MP5B | Z | 0 | 1.75 |
| 15 | MP5B | Mx | -.015 | 1.75 |
| 16 | MP5B | X | 32.779 | 3.75 |
| 17 | MP5B | Z | 0 | 3.75 |
| 18 | MP5B | Mx | -.015 | 3.75 |
| 19 | MP5C | X | 39.567 | 1.75 |
| 20 | MP5C | Z | 0 | 1.75 |
| 21 | MP5C | Mx | .017 | 1.75 |
| 22 | MP5C | X | 39.567 | 3.75 |
| 23 | MP5C | Z | 0 | 3.75 |
| 24 | MP5C | Mx | .017 | 3.75 |
| 25 | MP1B | X | 119.126 | .25 |
| 26 | MP1B | Z | 0 | .25 |
| 27 | MP1B | Mx | -.022 | .25 |
| 28 | MP1B | X | 119.126 | 5.25 |
| 29 | MP1B | Z | 0 | 5.25 |
| 30 | MP1B | Mx | -.022 | 5.25 |
| 31 | MP1B | X | 119.126 | .25 |
| 32 | MP1B | Z | 0 | .25 |
| 33 | MP1B | Mx | -.09 | .25 |
| 34 | MP1B | X | 119.126 | 5.25 |
| 35 | MP1B | Z | 0 | 5.25 |
| 36 | MP1B | Mx | -.09 | 5.25 |
| 37 | MP3C | X | 135.284 | .25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 38 | MP3C | Z | 0 | .25 |
| 39 | MP3C | Mx | .002 | .25 |
| 40 | MP3C | X | 135.284 | 5.25 |
| 41 | MP3C | Z | 0 | 5.25 |
| 42 | MP3C | Mx | .002 | 5.25 |
| 43 | MP3C | X | 135.284 | .25 |
| 44 | MP3C | Z | 0 | .25 |
| 45 | MP3C | Mx | .115 | .25 |
| 46 | MP3C | X | 135.284 | 5.25 |
| 47 | MP3C | Z | 0 | 5.25 |
| 48 | MP3C | Mx | .115 | 5.25 |
| 49 | MP2A | X | 165.385 | .25 |
| 50 | MP2A | Z | 0 | .25 |
| 51 | MP2A | Mx | -.137 | .25 |
| 52 | MP2A | X | 165.385 | 5.25 |
| 53 | MP2A | Z | 0 | 5.25 |
| 54 | MP2A | Mx | -.137 | 5.25 |
| 55 | MP2A | X | 165.385 | .25 |
| 56 | MP2A | Z | 0 | .25 |
| 57 | MP2A | Mx | .054 | .25 |
| 58 | MP2A | X | 165.385 | 5.25 |
| 59 | MP2A | Z | 0 | 5.25 |
| 60 | MP2A | Mx | .054 | 5.25 |
| 61 | MP3A | X | 28.244 | 1 |
| 62 | MP3A | Z | 0 | 1 |
| 63 | MP3A | Mx | -.007 | 1 |
| 64 | MP3B | X | 10.256 | 1 |
| 65 | MP3B | Z | 0 | 1 |
| 66 | MP3B | Mx | -.005 | 1 |
| 67 | MP4C | X | 14.036 | 1 |
| 68 | MP4C | Z | 0 | 1 |
| 69 | MP4C | Mx | .006 | 1 |
| 70 | MP1C | X | 56.496 | 2.25 |
| 71 | MP1C | Z | 0 | 2.25 |
| 72 | MP1C | Mx | .014 | 2.25 |
| 73 | MP4A | X | 56.496 | 2.25 |
| 74 | MP4A | Z | 0 | 2.25 |
| 75 | MP4A | Mx | .014 | 2.25 |
| 76 | MP4B | X | 56.496 | 2.25 |
| 77 | MP4B | Z | 0 | 2.25 |
| 78 | MP4B | Mx | .014 | 2.25 |
| 79 | MP3C | X | 54.61 | 2.25 |
| 80 | MP3C | Z | 0 | 2.25 |
| 81 | MP3C | Mx | .014 | 2.25 |
| 82 | MP5A | X | 54.61 | 2.25 |
| 83 | MP5A | Z | 0 | 2.25 |
| 84 | MP5A | Mx | .014 | 2.25 |
| 85 | MP5B | X | 54.61 | 2.25 |
| 86 | MP5B | Z | 0 | 2.25 |
| 87 | MP5B | Mx | .014 | 2.25 |
| 88 | OVP | X | 118.355 | 1 |
| 89 | OVP | Z | 0 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | 16.105 | 2 |
| 92 | M38 | Z | 0 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

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



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | 12.726 | 2 |
| 2 | M38 | Z | 7.348 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | 12.726 | 2 |
| 5 | M38 | Z | 7.348 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | 67.415 | 1.75 |
| 8 | MP5A | Z | 38.922 | 1.75 |
| 9 | MP5A | Mx | 0 | 1.75 |
| 10 | MP5A | X | 67.415 | 3.75 |
| 11 | MP5A | Z | 38.922 | 3.75 |
| 12 | MP5A | Mx | 0 | 3.75 |
| 13 | MP5B | X | 24.55 | 1.75 |
| 14 | MP5B | Z | 14.174 | 1.75 |
| 15 | MP5B | Mx | -.014 | 1.75 |
| 16 | MP5B | X | 24.55 | 3.75 |
| 17 | MP5B | Z | 14.174 | 3.75 |
| 18 | MP5B | Mx | -.014 | 3.75 |
| 19 | MP5C | X | 23.217 | 1.75 |
| 20 | MP5C | Z | 13.404 | 1.75 |
| 21 | MP5C | Mx | .013 | 1.75 |
| 22 | MP5C | X | 23.217 | 3.75 |
| 23 | MP5C | Z | 13.404 | 3.75 |
| 24 | MP5C | Mx | .013 | 3.75 |
| 25 | MP1B | X | 94.033 | .25 |
| 26 | MP1B | Z | 54.29 | .25 |
| 27 | MP1B | Mx | -.069 | .25 |
| 28 | MP1B | X | 94.033 | 5.25 |
| 29 | MP1B | Z | 54.29 | 5.25 |
| 30 | MP1B | Mx | -.069 | 5.25 |
| 31 | MP1B | X | 94.033 | .25 |
| 32 | MP1B | Z | 54.29 | .25 |
| 33 | MP1B | Mx | -.038 | .25 |
| 34 | MP1B | X | 94.033 | 5.25 |
| 35 | MP1B | Z | 54.29 | 5.25 |
| 36 | MP1B | Mx | -.038 | 5.25 |
| 37 | MP3C | X | 90.861 | .25 |
| 38 | MP3C | Z | 52.459 | .25 |
| 39 | MP3C | Mx | .052 | .25 |
| 40 | MP3C | X | 90.861 | 5.25 |
| 41 | MP3C | Z | 52.459 | 5.25 |
| 42 | MP3C | Mx | .052 | 5.25 |
| 43 | MP3C | X | 90.861 | .25 |
| 44 | MP3C | Z | 52.459 | .25 |
| 45 | MP3C | Mx | .052 | .25 |
| 46 | MP3C | X | 90.861 | 5.25 |
| 47 | MP3C | Z | 52.459 | 5.25 |
| 48 | MP3C | Mx | .052 | 5.25 |
| 49 | MP2A | X | 156.671 | .25 |
| 50 | MP2A | Z | 90.454 | .25 |
| 51 | MP2A | Mx | -.121 | .25 |
| 52 | MP2A | X | 156.671 | 5.25 |
| 53 | MP2A | Z | 90.454 | 5.25 |
| 54 | MP2A | Mx | -.121 | 5.25 |
| 55 | MP2A | X | 156.671 | .25 |
| 56 | MP2A | Z | 90.454 | .25 |
| 57 | MP2A | Mx | .121 | .25 |
| 58 | MP2A | X | 156.671 | 5.25 |
| 59 | MP2A | Z | 90.454 | 5.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 60 | MP2A | Mx | .121 | 5.25 |
| 61 | MP3A | X | 30.612 | 1 |
| 62 | MP3A | Z | 17.674 | 1 |
| 63 | MP3A | Mx | 0 | 1 |
| 64 | MP3B | X | 6.745 | 1 |
| 65 | MP3B | Z | 3.894 | 1 |
| 66 | MP3B | Mx | -.004 | 1 |
| 67 | MP4C | X | 6.003 | 1 |
| 68 | MP4C | Z | 3.466 | 1 |
| 69 | MP4C | Mx | .003 | 1 |
| 70 | MP1C | X | 53.313 | 2.25 |
| 71 | MP1C | Z | 30.78 | 2.25 |
| 72 | MP1C | Mx | 0 | 2.25 |
| 73 | MP4A | X | 53.313 | 2.25 |
| 74 | MP4A | Z | 30.78 | 2.25 |
| 75 | MP4A | Mx | 0 | 2.25 |
| 76 | MP4B | X | 53.313 | 2.25 |
| 77 | MP4B | Z | 30.78 | 2.25 |
| 78 | MP4B | Mx | 0 | 2.25 |
| 79 | MP3C | X | 53.313 | 2.25 |
| 80 | MP3C | Z | 30.78 | 2.25 |
| 81 | MP3C | Mx | 0 | 2.25 |
| 82 | MP5A | X | 53.313 | 2.25 |
| 83 | MP5A | Z | 30.78 | 2.25 |
| 84 | MP5A | Mx | 0 | 2.25 |
| 85 | MP5B | X | 53.313 | 2.25 |
| 86 | MP5B | Z | 30.78 | 2.25 |
| 87 | MP5B | Mx | 0 | 2.25 |
| 88 | OVP | X | 109.033 | 1 |
| 89 | OVP | Z | 62.95 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | 12.726 | 2 |
| 92 | M38 | Z | 7.348 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | 8.052 | 2 |
| 2 | M38 | Z | 13.947 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | 8.052 | 2 |
| 5 | M38 | Z | 13.947 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | 32.543 | 1.75 |
| 8 | MP5A | Z | 56.365 | 1.75 |
| 9 | MP5A | Mx | .016 | 1.75 |
| 10 | MP5A | X | 32.543 | 3.75 |
| 11 | MP5A | Z | 56.365 | 3.75 |
| 12 | MP5A | Mx | .016 | 3.75 |
| 13 | MP5B | X | 23.948 | 1.75 |
| 14 | MP5B | Z | 41.478 | 1.75 |
| 15 | MP5B | Mx | -.018 | 1.75 |
| 16 | MP5B | X | 23.948 | 3.75 |
| 17 | MP5B | Z | 41.478 | 3.75 |
| 18 | MP5B | Mx | -.018 | 3.75 |
| 19 | MP5C | X | 19.784 | 1.75 |
| 20 | MP5C | Z | 34.266 | 1.75 |
| 21 | MP5C | Mx | .017 | 1.75 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 22 | MP5C | X | 19.784 | 3.75 |
| 23 | MP5C | Z | 34.266 | 3.75 |
| 24 | MP5C | Mx | .017 | 3.75 |
| 25 | MP1B | X | 77.552 | .25 |
| 26 | MP1B | Z | 134.324 | .25 |
| 27 | MP1B | Mx | -.142 | .25 |
| 28 | MP1B | X | 77.552 | 5.25 |
| 29 | MP1B | Z | 134.324 | 5.25 |
| 30 | MP1B | Mx | -.142 | 5.25 |
| 31 | MP1B | X | 77.552 | .25 |
| 32 | MP1B | Z | 134.324 | .25 |
| 33 | MP1B | Mx | .024 | .25 |
| 34 | MP1B | X | 77.552 | 5.25 |
| 35 | MP1B | Z | 134.324 | 5.25 |
| 36 | MP1B | Mx | .024 | 5.25 |
| 37 | MP3C | X | 67.642 | .25 |
| 38 | MP3C | Z | 117.159 | .25 |
| 39 | MP3C | Mx | .115 | .25 |
| 40 | MP3C | X | 67.642 | 5.25 |
| 41 | MP3C | Z | 117.159 | 5.25 |
| 42 | MP3C | Mx | .115 | 5.25 |
| 43 | MP3C | X | 67.642 | .25 |
| 44 | MP3C | Z | 117.159 | .25 |
| 45 | MP3C | Mx | .002 | .25 |
| 46 | MP3C | X | 67.642 | 5.25 |
| 47 | MP3C | Z | 117.159 | 5.25 |
| 48 | MP3C | Mx | .002 | 5.25 |
| 49 | MP2A | X | 82.693 | .25 |
| 50 | MP2A | Z | 143.228 | .25 |
| 51 | MP2A | Mx | -.054 | .25 |
| 52 | MP2A | X | 82.693 | 5.25 |
| 53 | MP2A | Z | 143.228 | 5.25 |
| 54 | MP2A | Mx | -.054 | 5.25 |
| 55 | MP2A | X | 82.693 | .25 |
| 56 | MP2A | Z | 143.228 | .25 |
| 57 | MP2A | Mx | .137 | .25 |
| 58 | MP2A | X | 82.693 | 5.25 |
| 59 | MP2A | Z | 143.228 | 5.25 |
| 60 | MP2A | Mx | .137 | 5.25 |
| 61 | MP3A | X | 14.122 | 1 |
| 62 | MP3A | Z | 24.46 | 1 |
| 63 | MP3A | Mx | .007 | 1 |
| 64 | MP3B | X | 9.336 | 1 |
| 65 | MP3B | Z | 16.171 | 1 |
| 66 | MP3B | Mx | -.007 | 1 |
| 67 | MP4C | X | 7.018 | 1 |
| 68 | MP4C | Z | 12.155 | 1 |
| 69 | MP4C | Mx | .006 | 1 |
| 70 | MP1C | X | 28.248 | 2.25 |
| 71 | MP1C | Z | 48.927 | 2.25 |
| 72 | MP1C | Mx | -.014 | 2.25 |
| 73 | MP4A | X | 28.248 | 2.25 |
| 74 | MP4A | Z | 48.927 | 2.25 |
| 75 | MP4A | Mx | -.014 | 2.25 |
| 76 | MP4B | X | 28.248 | 2.25 |
| 77 | MP4B | Z | 48.927 | 2.25 |
| 78 | MP4B | Mx | -.014 | 2.25 |
| 79 | MP3C | X | 27.305 | 2.25 |
| 80 | MP3C | Z | 47.294 | 2.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 81 | MP3C | Mx | -.014 | 2.25 |
| 82 | MP5A | X | 27.305 | 2.25 |
| 83 | MP5A | Z | 47.294 | 2.25 |
| 84 | MP5A | Mx | -.014 | 2.25 |
| 85 | MP5B | X | 27.305 | 2.25 |
| 86 | MP5B | Z | 47.294 | 2.25 |
| 87 | MP5B | Mx | -.014 | 2.25 |
| 88 | OVP | X | 59.177 | 1 |
| 89 | OVP | Z | 102.498 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | 8.052 | 2 |
| 92 | M38 | Z | 13.947 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 1 | M38 | X | 0 | 2 |
| 2 | M38 | Z | 18.925 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | 0 | 2 |
| 5 | M38 | Z | 18.925 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | 0 | 1.75 |
| 8 | MP5A | Z | 39.567 | 1.75 |
| 9 | MP5A | Mx | .017 | 1.75 |
| 10 | MP5A | X | 0 | 3.75 |
| 11 | MP5A | Z | 39.567 | 3.75 |
| 12 | MP5A | Mx | .017 | 3.75 |
| 13 | MP5B | X | 0 | 1.75 |
| 14 | MP5B | Z | 71.874 | 1.75 |
| 15 | MP5B | Mx | -.012 | 1.75 |
| 16 | MP5B | X | 0 | 3.75 |
| 17 | MP5B | Z | 71.874 | 3.75 |
| 18 | MP5B | Mx | -.012 | 3.75 |
| 19 | MP5C | X | 0 | 1.75 |
| 20 | MP5C | Z | 65.085 | 1.75 |
| 21 | MP5C | Mx | .016 | 1.75 |
| 22 | MP5C | X | 0 | 3.75 |
| 23 | MP5C | Z | 65.085 | 3.75 |
| 24 | MP5C | Mx | .016 | 3.75 |
| 25 | MP1B | X | 0 | .25 |
| 26 | MP1B | Z | 212.174 | .25 |
| 27 | MP1B | Mx | -.202 | .25 |
| 28 | MP1B | X | 0 | 5.25 |
| 29 | MP1B | Z | 212.174 | 5.25 |
| 30 | MP1B | Mx | -.202 | 5.25 |
| 31 | MP1B | X | 0 | .25 |
| 32 | MP1B | Z | 212.174 | .25 |
| 33 | MP1B | Mx | .13 | .25 |
| 34 | MP1B | X | 0 | 5.25 |
| 35 | MP1B | Z | 212.174 | 5.25 |
| 36 | MP1B | Mx | .13 | 5.25 |
| 37 | MP3C | X | 0 | .25 |
| 38 | MP3C | Z | 196.017 | .25 |
| 39 | MP3C | Mx | .19 | .25 |
| 40 | MP3C | X | 0 | 5.25 |
| 41 | MP3C | Z | 196.017 | 5.25 |
| 42 | MP3C | Mx | .19 | 5.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 43 | MP3C | X | 0 | .25 |
| 44 | MP3C | Z | 196.017 | .25 |
| 45 | MP3C | Mx | -.092 | .25 |
| 46 | MP3C | X | 0 | 5.25 |
| 47 | MP3C | Z | 196.017 | 5.25 |
| 48 | MP3C | Mx | -.092 | 5.25 |
| 49 | MP2A | X | 0 | .25 |
| 50 | MP2A | Z | 134.34 | .25 |
| 51 | MP2A | Mx | .013 | .25 |
| 52 | MP2A | X | 0 | 5.25 |
| 53 | MP2A | Z | 134.34 | 5.25 |
| 54 | MP2A | Mx | .013 | 5.25 |
| 55 | MP2A | X | 0 | .25 |
| 56 | MP2A | Z | 134.34 | .25 |
| 57 | MP2A | Mx | .103 | .25 |
| 58 | MP2A | X | 0 | 5.25 |
| 59 | MP2A | Z | 134.34 | 5.25 |
| 60 | MP2A | Mx | .103 | 5.25 |
| 61 | MP3A | X | 0 | 1 |
| 62 | MP3A | Z | 14.036 | 1 |
| 63 | MP3A | Mx | .006 | 1 |
| 64 | MP3B | X | 0 | 1 |
| 65 | MP3B | Z | 32.024 | 1 |
| 66 | MP3B | Mx | -.005 | 1 |
| 67 | MP4C | X | 0 | 1 |
| 68 | MP4C | Z | 28.244 | 1 |
| 69 | MP4C | Mx | .007 | 1 |
| 70 | MP1C | X | 0 | 2.25 |
| 71 | MP1C | Z | 46.369 | 2.25 |
| 72 | MP1C | Mx | -.02 | 2.25 |
| 73 | MP4A | X | 0 | 2.25 |
| 74 | MP4A | Z | 46.369 | 2.25 |
| 75 | MP4A | Mx | -.02 | 2.25 |
| 76 | MP4B | X | 0 | 2.25 |
| 77 | MP4B | Z | 46.369 | 2.25 |
| 78 | MP4B | Mx | -.02 | 2.25 |
| 79 | MP3C | X | 0 | 2.25 |
| 80 | MP3C | Z | 40.709 | 2.25 |
| 81 | MP3C | Mx | -.018 | 2.25 |
| 82 | MP5A | X | 0 | 2.25 |
| 83 | MP5A | Z | 40.709 | 2.25 |
| 84 | MP5A | Mx | -.018 | 2.25 |
| 85 | MP5B | X | 0 | 2.25 |
| 86 | MP5B | Z | 40.709 | 2.25 |
| 87 | MP5B | Mx | -.018 | 2.25 |
| 88 | OVP | X | 0 | 1 |
| 89 | OVP | Z | 103.262 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | 0 | 2 |
| 92 | M38 | Z | 18.925 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|---|--------------|-----------|--------------------|-----------------|
| 1 | M38 | X | -10.167 | 2 |
| 2 | M38 | Z | 17.61 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | -10.167 | 2 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 5 | M38 | Z | 17.61 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | -13.404 | 1.75 |
| 8 | MP5A | Z | 23.217 | 1.75 |
| 9 | MP5A | Mx | .013 | 1.75 |
| 10 | MP5A | X | -13.404 | 3.75 |
| 11 | MP5A | Z | 23.217 | 3.75 |
| 12 | MP5A | Mx | .013 | 3.75 |
| 13 | MP5B | X | -38.153 | 1.75 |
| 14 | MP5B | Z | 66.082 | 1.75 |
| 15 | MP5B | Mx | .007 | 1.75 |
| 16 | MP5B | X | -38.153 | 3.75 |
| 17 | MP5B | Z | 66.082 | 3.75 |
| 18 | MP5B | Mx | .007 | 3.75 |
| 19 | MP5C | X | -38.922 | 1.75 |
| 20 | MP5C | Z | 67.415 | 1.75 |
| 21 | MP5C | Mx | 0 | 1.75 |
| 22 | MP5C | X | -38.922 | 3.75 |
| 23 | MP5C | Z | 67.415 | 3.75 |
| 24 | MP5C | Mx | 0 | 3.75 |
| 25 | MP1B | X | -111.36 | .25 |
| 26 | MP1B | Z | 192.881 | .25 |
| 27 | MP1B | Mx | -.163 | .25 |
| 28 | MP1B | X | -111.36 | 5.25 |
| 29 | MP1B | Z | 192.881 | 5.25 |
| 30 | MP1B | Mx | -.163 | 5.25 |
| 31 | MP1B | X | -111.36 | .25 |
| 32 | MP1B | Z | 192.881 | .25 |
| 33 | MP1B | Mx | .202 | .25 |
| 34 | MP1B | X | -111.36 | 5.25 |
| 35 | MP1B | Z | 192.881 | 5.25 |
| 36 | MP1B | Mx | .202 | 5.25 |
| 37 | MP3C | X | -113.191 | .25 |
| 38 | MP3C | Z | 196.053 | .25 |
| 39 | MP3C | Mx | .189 | .25 |
| 40 | MP3C | X | -113.191 | 5.25 |
| 41 | MP3C | Z | 196.053 | 5.25 |
| 42 | MP3C | Mx | .189 | 5.25 |
| 43 | MP3C | X | -113.191 | .25 |
| 44 | MP3C | Z | 196.053 | .25 |
| 45 | MP3C | Mx | -.189 | .25 |
| 46 | MP3C | X | -113.191 | 5.25 |
| 47 | MP3C | Z | 196.053 | 5.25 |
| 48 | MP3C | Mx | -.189 | 5.25 |
| 49 | MP2A | X | -59.409 | .25 |
| 50 | MP2A | Z | 102.899 | .25 |
| 51 | MP2A | Mx | .059 | .25 |
| 52 | MP2A | X | -59.409 | 5.25 |
| 53 | MP2A | Z | 102.899 | 5.25 |
| 54 | MP2A | Mx | .059 | 5.25 |
| 55 | MP2A | X | -59.409 | .25 |
| 56 | MP2A | Z | 102.899 | .25 |
| 57 | MP2A | Mx | .059 | .25 |
| 58 | MP2A | X | -59.409 | 5.25 |
| 59 | MP2A | Z | 102.899 | 5.25 |
| 60 | MP2A | Mx | .059 | 5.25 |
| 61 | MP3A | X | -3.466 | 1 |
| 62 | MP3A | Z | 6.003 | 1 |
| 63 | MP3A | Mx | .003 | 1 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 64 | MP3B | X | -17.245 | 1 |
| 65 | MP3B | Z | 29.87 | 1 |
| 66 | MP3B | Mx | .003 | 1 |
| 67 | MP4C | X | -17.674 | 1 |
| 68 | MP4C | Z | 30.612 | 1 |
| 69 | MP4C | Mx | 0 | 1 |
| 70 | MP1C | X | -20.652 | 2.25 |
| 71 | MP1C | Z | 35.771 | 2.25 |
| 72 | MP1C | Mx | -.021 | 2.25 |
| 73 | MP4A | X | -20.652 | 2.25 |
| 74 | MP4A | Z | 35.771 | 2.25 |
| 75 | MP4A | Mx | -.021 | 2.25 |
| 76 | MP4B | X | -20.652 | 2.25 |
| 77 | MP4B | Z | 35.771 | 2.25 |
| 78 | MP4B | Mx | -.021 | 2.25 |
| 79 | MP3C | X | -16.879 | 2.25 |
| 80 | MP3C | Z | 29.236 | 2.25 |
| 81 | MP3C | Mx | -.017 | 2.25 |
| 82 | MP5A | X | -16.879 | 2.25 |
| 83 | MP5A | Z | 29.236 | 2.25 |
| 84 | MP5A | Mx | -.017 | 2.25 |
| 85 | MP5B | X | -16.879 | 2.25 |
| 86 | MP5B | Z | 29.236 | 2.25 |
| 87 | MP5B | Mx | -.017 | 2.25 |
| 88 | OVP | X | -47.858 | 1 |
| 89 | OVP | Z | 82.893 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | -10.167 | 2 |
| 92 | M38 | Z | 17.61 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | -16.389 | 2 |
| 2 | M38 | Z | 9.462 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | -16.389 | 2 |
| 5 | M38 | Z | 9.462 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | -34.266 | 1.75 |
| 8 | MP5A | Z | 19.784 | 1.75 |
| 9 | MP5A | Mx | .017 | 1.75 |
| 10 | MP5A | X | -34.266 | 3.75 |
| 11 | MP5A | Z | 19.784 | 3.75 |
| 12 | MP5A | Mx | .017 | 3.75 |
| 13 | MP5B | X | -49.153 | 1.75 |
| 14 | MP5B | Z | 28.379 | 1.75 |
| 15 | MP5B | Mx | .018 | 1.75 |
| 16 | MP5B | X | -49.153 | 3.75 |
| 17 | MP5B | Z | 28.379 | 3.75 |
| 18 | MP5B | Mx | .018 | 3.75 |
| 19 | MP5C | X | -56.365 | 1.75 |
| 20 | MP5C | Z | 32.543 | 1.75 |
| 21 | MP5C | Mx | -.016 | 1.75 |
| 22 | MP5C | X | -56.365 | 3.75 |
| 23 | MP5C | Z | 32.543 | 3.75 |
| 24 | MP5C | Mx | -.016 | 3.75 |
| 25 | MP1B | X | -152.59 | .25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 26 | MP1B | Z | 88.098 | .25 |
| 27 | MP1B | Mx | -.056 | .25 |
| 28 | MP1B | X | -152.59 | 5.25 |
| 29 | MP1B | Z | 88.098 | 5.25 |
| 30 | MP1B | Mx | -.056 | 5.25 |
| 31 | MP1B | X | -152.59 | .25 |
| 32 | MP1B | Z | 88.098 | .25 |
| 33 | MP1B | Mx | .169 | .25 |
| 34 | MP1B | X | -152.59 | 5.25 |
| 35 | MP1B | Z | 88.098 | 5.25 |
| 36 | MP1B | Mx | .169 | 5.25 |
| 37 | MP3C | X | -169.755 | .25 |
| 38 | MP3C | Z | 98.008 | .25 |
| 39 | MP3C | Mx | .092 | .25 |
| 40 | MP3C | X | -169.755 | 5.25 |
| 41 | MP3C | Z | 98.008 | 5.25 |
| 42 | MP3C | Mx | .092 | 5.25 |
| 43 | MP3C | X | -169.755 | .25 |
| 44 | MP3C | Z | 98.008 | .25 |
| 45 | MP3C | Mx | -.19 | .25 |
| 46 | MP3C | X | -169.755 | 5.25 |
| 47 | MP3C | Z | 98.008 | 5.25 |
| 48 | MP3C | Mx | -.19 | 5.25 |
| 49 | MP2A | X | -116.342 | .25 |
| 50 | MP2A | Z | 67.17 | .25 |
| 51 | MP2A | Mx | .103 | .25 |
| 52 | MP2A | X | -116.342 | 5.25 |
| 53 | MP2A | Z | 67.17 | 5.25 |
| 54 | MP2A | Mx | .103 | 5.25 |
| 55 | MP2A | X | -116.342 | .25 |
| 56 | MP2A | Z | 67.17 | .25 |
| 57 | MP2A | Mx | .013 | .25 |
| 58 | MP2A | X | -116.342 | 5.25 |
| 59 | MP2A | Z | 67.17 | 5.25 |
| 60 | MP2A | Mx | .013 | 5.25 |
| 61 | MP3A | X | -12.155 | 1 |
| 62 | MP3A | Z | 7.018 | 1 |
| 63 | MP3A | Mx | .006 | 1 |
| 64 | MP3B | X | -20.444 | 1 |
| 65 | MP3B | Z | 11.803 | 1 |
| 66 | MP3B | Mx | .008 | 1 |
| 67 | MP4C | X | -24.46 | 1 |
| 68 | MP4C | Z | 14.122 | 1 |
| 69 | MP4C | Mx | -.007 | 1 |
| 70 | MP1C | X | -40.157 | 2.25 |
| 71 | MP1C | Z | 23.184 | 2.25 |
| 72 | MP1C | Mx | -.02 | 2.25 |
| 73 | MP4A | X | -40.157 | 2.25 |
| 74 | MP4A | Z | 23.184 | 2.25 |
| 75 | MP4A | Mx | -.02 | 2.25 |
| 76 | MP4B | X | -40.157 | 2.25 |
| 77 | MP4B | Z | 23.184 | 2.25 |
| 78 | MP4B | Mx | -.02 | 2.25 |
| 79 | MP3C | X | -35.255 | 2.25 |
| 80 | MP3C | Z | 20.355 | 2.25 |
| 81 | MP3C | Mx | -.018 | 2.25 |
| 82 | MP5A | X | -35.255 | 2.25 |
| 83 | MP5A | Z | 20.355 | 2.25 |
| 84 | MP5A | Mx | -.018 | 2.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft,%] |
|----|--------------|-----------|--------------------|----------------|
| 85 | MP5B | X | -35.255 | 2.25 |
| 86 | MP5B | Z | 20.355 | 2.25 |
| 87 | MP5B | Mx | -.018 | 2.25 |
| 88 | OVP | X | -89.428 | 1 |
| 89 | OVP | Z | 51.631 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | -16.389 | 2 |
| 92 | M38 | Z | 9.462 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | -16.105 | 2 |
| 2 | M38 | Z | 0 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | -16.105 | 2 |
| 5 | M38 | Z | 0 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | -65.085 | 1.75 |
| 8 | MP5A | Z | 0 | 1.75 |
| 9 | MP5A | Mx | .016 | 1.75 |
| 10 | MP5A | X | -65.085 | 3.75 |
| 11 | MP5A | Z | 0 | 3.75 |
| 12 | MP5A | Mx | .016 | 3.75 |
| 13 | MP5B | X | -32.779 | 1.75 |
| 14 | MP5B | Z | 0 | 1.75 |
| 15 | MP5B | Mx | .015 | 1.75 |
| 16 | MP5B | X | -32.779 | 3.75 |
| 17 | MP5B | Z | 0 | 3.75 |
| 18 | MP5B | Mx | .015 | 3.75 |
| 19 | MP5C | X | -39.567 | 1.75 |
| 20 | MP5C | Z | 0 | 1.75 |
| 21 | MP5C | Mx | -.017 | 1.75 |
| 22 | MP5C | X | -39.567 | 3.75 |
| 23 | MP5C | Z | 0 | 3.75 |
| 24 | MP5C | Mx | -.017 | 3.75 |
| 25 | MP1B | X | -119.126 | .25 |
| 26 | MP1B | Z | 0 | .25 |
| 27 | MP1B | Mx | .022 | .25 |
| 28 | MP1B | X | -119.126 | 5.25 |
| 29 | MP1B | Z | 0 | 5.25 |
| 30 | MP1B | Mx | .022 | 5.25 |
| 31 | MP1B | X | -119.126 | .25 |
| 32 | MP1B | Z | 0 | .25 |
| 33 | MP1B | Mx | .09 | .25 |
| 34 | MP1B | X | -119.126 | 5.25 |
| 35 | MP1B | Z | 0 | 5.25 |
| 36 | MP1B | Mx | .09 | 5.25 |
| 37 | MP3C | X | -135.284 | .25 |
| 38 | MP3C | Z | 0 | .25 |
| 39 | MP3C | Mx | -.002 | .25 |
| 40 | MP3C | X | -135.284 | 5.25 |
| 41 | MP3C | Z | 0 | 5.25 |
| 42 | MP3C | Mx | -.002 | 5.25 |
| 43 | MP3C | X | -135.284 | .25 |
| 44 | MP3C | Z | 0 | .25 |
| 45 | MP3C | Mx | -.115 | .25 |
| 46 | MP3C | X | -135.284 | 5.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 47 | MP3C | Z | 0 | 5.25 |
| 48 | MP3C | Mx | -.115 | 5.25 |
| 49 | MP2A | X | -165.385 | .25 |
| 50 | MP2A | Z | 0 | .25 |
| 51 | MP2A | Mx | .137 | .25 |
| 52 | MP2A | X | -165.385 | 5.25 |
| 53 | MP2A | Z | 0 | 5.25 |
| 54 | MP2A | Mx | .137 | 5.25 |
| 55 | MP2A | X | -165.385 | .25 |
| 56 | MP2A | Z | 0 | .25 |
| 57 | MP2A | Mx | -.054 | .25 |
| 58 | MP2A | X | -165.385 | 5.25 |
| 59 | MP2A | Z | 0 | 5.25 |
| 60 | MP2A | Mx | -.054 | 5.25 |
| 61 | MP3A | X | -28.244 | 1 |
| 62 | MP3A | Z | 0 | 1 |
| 63 | MP3A | Mx | .007 | 1 |
| 64 | MP3B | X | -10.256 | 1 |
| 65 | MP3B | Z | 0 | 1 |
| 66 | MP3B | Mx | .005 | 1 |
| 67 | MP4C | X | -14.036 | 1 |
| 68 | MP4C | Z | 0 | 1 |
| 69 | MP4C | Mx | -.006 | 1 |
| 70 | MP1C | X | -56.496 | 2.25 |
| 71 | MP1C | Z | 0 | 2.25 |
| 72 | MP1C | Mx | -.014 | 2.25 |
| 73 | MP4A | X | -56.496 | 2.25 |
| 74 | MP4A | Z | 0 | 2.25 |
| 75 | MP4A | Mx | -.014 | 2.25 |
| 76 | MP4B | X | -56.496 | 2.25 |
| 77 | MP4B | Z | 0 | 2.25 |
| 78 | MP4B | Mx | -.014 | 2.25 |
| 79 | MP3C | X | -54.61 | 2.25 |
| 80 | MP3C | Z | 0 | 2.25 |
| 81 | MP3C | Mx | -.014 | 2.25 |
| 82 | MP5A | X | -54.61 | 2.25 |
| 83 | MP5A | Z | 0 | 2.25 |
| 84 | MP5A | Mx | -.014 | 2.25 |
| 85 | MP5B | X | -54.61 | 2.25 |
| 86 | MP5B | Z | 0 | 2.25 |
| 87 | MP5B | Mx | -.014 | 2.25 |
| 88 | OVP | X | -118.355 | 1 |
| 89 | OVP | Z | 0 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | -16.105 | 2 |
| 92 | M38 | Z | 0 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|---|--------------|-----------|--------------------|-----------------|
| 1 | M38 | X | -12.726 | 2 |
| 2 | M38 | Z | -7.348 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | -12.726 | 2 |
| 5 | M38 | Z | -7.348 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | -67.415 | 1.75 |
| 8 | MP5A | Z | -38.922 | 1.75 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 9 | MP5A | Mx | 0 | 1.75 |
| 10 | MP5A | X | -67.415 | 3.75 |
| 11 | MP5A | Z | -38.922 | 3.75 |
| 12 | MP5A | Mx | 0 | 3.75 |
| 13 | MP5B | X | -24.55 | 1.75 |
| 14 | MP5B | Z | -14.174 | 1.75 |
| 15 | MP5B | Mx | .014 | 1.75 |
| 16 | MP5B | X | -24.55 | 3.75 |
| 17 | MP5B | Z | -14.174 | 3.75 |
| 18 | MP5B | Mx | .014 | 3.75 |
| 19 | MP5C | X | -23.217 | 1.75 |
| 20 | MP5C | Z | -13.404 | 1.75 |
| 21 | MP5C | Mx | -.013 | 1.75 |
| 22 | MP5C | X | -23.217 | 3.75 |
| 23 | MP5C | Z | -13.404 | 3.75 |
| 24 | MP5C | Mx | -.013 | 3.75 |
| 25 | MP1B | X | -94.033 | .25 |
| 26 | MP1B | Z | -54.29 | .25 |
| 27 | MP1B | Mx | .069 | .25 |
| 28 | MP1B | X | -94.033 | 5.25 |
| 29 | MP1B | Z | -54.29 | 5.25 |
| 30 | MP1B | Mx | .069 | 5.25 |
| 31 | MP1B | X | -94.033 | .25 |
| 32 | MP1B | Z | -54.29 | .25 |
| 33 | MP1B | Mx | .038 | .25 |
| 34 | MP1B | X | -94.033 | 5.25 |
| 35 | MP1B | Z | -54.29 | 5.25 |
| 36 | MP1B | Mx | .038 | 5.25 |
| 37 | MP3C | X | -90.861 | .25 |
| 38 | MP3C | Z | -52.459 | .25 |
| 39 | MP3C | Mx | -.052 | .25 |
| 40 | MP3C | X | -90.861 | 5.25 |
| 41 | MP3C | Z | -52.459 | 5.25 |
| 42 | MP3C | Mx | -.052 | 5.25 |
| 43 | MP3C | X | -90.861 | .25 |
| 44 | MP3C | Z | -52.459 | .25 |
| 45 | MP3C | Mx | -.052 | .25 |
| 46 | MP3C | X | -90.861 | 5.25 |
| 47 | MP3C | Z | -52.459 | 5.25 |
| 48 | MP3C | Mx | -.052 | 5.25 |
| 49 | MP2A | X | -156.671 | .25 |
| 50 | MP2A | Z | -90.454 | .25 |
| 51 | MP2A | Mx | .121 | .25 |
| 52 | MP2A | X | -156.671 | 5.25 |
| 53 | MP2A | Z | -90.454 | 5.25 |
| 54 | MP2A | Mx | .121 | 5.25 |
| 55 | MP2A | X | -156.671 | .25 |
| 56 | MP2A | Z | -90.454 | .25 |
| 57 | MP2A | Mx | -.121 | .25 |
| 58 | MP2A | X | -156.671 | 5.25 |
| 59 | MP2A | Z | -90.454 | 5.25 |
| 60 | MP2A | Mx | -.121 | 5.25 |
| 61 | MP3A | X | -30.612 | 1 |
| 62 | MP3A | Z | -17.674 | 1 |
| 63 | MP3A | Mx | 0 | 1 |
| 64 | MP3B | X | -6.745 | 1 |
| 65 | MP3B | Z | -3.894 | 1 |
| 66 | MP3B | Mx | .004 | 1 |
| 67 | MP4C | X | -6.003 | 1 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 68 | MP4C | Z | -3.466 | 1 |
| 69 | MP4C | Mx | -.003 | 1 |
| 70 | MP1C | X | -53.313 | 2.25 |
| 71 | MP1C | Z | -30.78 | 2.25 |
| 72 | MP1C | Mx | 0 | 2.25 |
| 73 | MP4A | X | -53.313 | 2.25 |
| 74 | MP4A | Z | -30.78 | 2.25 |
| 75 | MP4A | Mx | 0 | 2.25 |
| 76 | MP4B | X | -53.313 | 2.25 |
| 77 | MP4B | Z | -30.78 | 2.25 |
| 78 | MP4B | Mx | 0 | 2.25 |
| 79 | MP3C | X | -53.313 | 2.25 |
| 80 | MP3C | Z | -30.78 | 2.25 |
| 81 | MP3C | Mx | 0 | 2.25 |
| 82 | MP5A | X | -53.313 | 2.25 |
| 83 | MP5A | Z | -30.78 | 2.25 |
| 84 | MP5A | Mx | 0 | 2.25 |
| 85 | MP5B | X | -53.313 | 2.25 |
| 86 | MP5B | Z | -30.78 | 2.25 |
| 87 | MP5B | Mx | 0 | 2.25 |
| 88 | OVP | X | -109.033 | 1 |
| 89 | OVP | Z | -62.95 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | -12.726 | 2 |
| 92 | M38 | Z | -7.348 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | -8.052 | 2 |
| 2 | M38 | Z | -13.947 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | -8.052 | 2 |
| 5 | M38 | Z | -13.947 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | -32.543 | 1.75 |
| 8 | MP5A | Z | -56.365 | 1.75 |
| 9 | MP5A | Mx | -.016 | 1.75 |
| 10 | MP5A | X | -32.543 | 3.75 |
| 11 | MP5A | Z | -56.365 | 3.75 |
| 12 | MP5A | Mx | -.016 | 3.75 |
| 13 | MP5B | X | -23.948 | 1.75 |
| 14 | MP5B | Z | -41.478 | 1.75 |
| 15 | MP5B | Mx | .018 | 1.75 |
| 16 | MP5B | X | -23.948 | 3.75 |
| 17 | MP5B | Z | -41.478 | 3.75 |
| 18 | MP5B | Mx | .018 | 3.75 |
| 19 | MP5C | X | -19.784 | 1.75 |
| 20 | MP5C | Z | -34.266 | 1.75 |
| 21 | MP5C | Mx | -.017 | 1.75 |
| 22 | MP5C | X | -19.784 | 3.75 |
| 23 | MP5C | Z | -34.266 | 3.75 |
| 24 | MP5C | Mx | -.017 | 3.75 |
| 25 | MP1B | X | -77.552 | .25 |
| 26 | MP1B | Z | -134.324 | .25 |
| 27 | MP1B | Mx | .142 | .25 |
| 28 | MP1B | X | -77.552 | 5.25 |
| 29 | MP1B | Z | -134.324 | 5.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 30 | MP1B | Mx | .142 | 5.25 |
| 31 | MP1B | X | -77.552 | .25 |
| 32 | MP1B | Z | -134.324 | .25 |
| 33 | MP1B | Mx | -.024 | .25 |
| 34 | MP1B | X | -77.552 | 5.25 |
| 35 | MP1B | Z | -134.324 | 5.25 |
| 36 | MP1B | Mx | -.024 | 5.25 |
| 37 | MP3C | X | -67.642 | .25 |
| 38 | MP3C | Z | -117.159 | .25 |
| 39 | MP3C | Mx | -.115 | .25 |
| 40 | MP3C | X | -67.642 | 5.25 |
| 41 | MP3C | Z | -117.159 | 5.25 |
| 42 | MP3C | Mx | -.115 | 5.25 |
| 43 | MP3C | X | -67.642 | .25 |
| 44 | MP3C | Z | -117.159 | .25 |
| 45 | MP3C | Mx | -.002 | .25 |
| 46 | MP3C | X | -67.642 | 5.25 |
| 47 | MP3C | Z | -117.159 | 5.25 |
| 48 | MP3C | Mx | -.002 | 5.25 |
| 49 | MP2A | X | -82.693 | .25 |
| 50 | MP2A | Z | -143.228 | .25 |
| 51 | MP2A | Mx | .054 | .25 |
| 52 | MP2A | X | -82.693 | 5.25 |
| 53 | MP2A | Z | -143.228 | 5.25 |
| 54 | MP2A | Mx | .054 | 5.25 |
| 55 | MP2A | X | -82.693 | .25 |
| 56 | MP2A | Z | -143.228 | .25 |
| 57 | MP2A | Mx | -.137 | .25 |
| 58 | MP2A | X | -82.693 | 5.25 |
| 59 | MP2A | Z | -143.228 | 5.25 |
| 60 | MP2A | Mx | -.137 | 5.25 |
| 61 | MP3A | X | -14.122 | 1 |
| 62 | MP3A | Z | -24.46 | 1 |
| 63 | MP3A | Mx | -.007 | 1 |
| 64 | MP3B | X | -9.336 | 1 |
| 65 | MP3B | Z | -16.171 | 1 |
| 66 | MP3B | Mx | .007 | 1 |
| 67 | MP4C | X | -7.018 | 1 |
| 68 | MP4C | Z | -12.155 | 1 |
| 69 | MP4C | Mx | -.006 | 1 |
| 70 | MP1C | X | -28.248 | 2.25 |
| 71 | MP1C | Z | -48.927 | 2.25 |
| 72 | MP1C | Mx | .014 | 2.25 |
| 73 | MP4A | X | -28.248 | 2.25 |
| 74 | MP4A | Z | -48.927 | 2.25 |
| 75 | MP4A | Mx | .014 | 2.25 |
| 76 | MP4B | X | -28.248 | 2.25 |
| 77 | MP4B | Z | -48.927 | 2.25 |
| 78 | MP4B | Mx | .014 | 2.25 |
| 79 | MP3C | X | -27.305 | 2.25 |
| 80 | MP3C | Z | -47.294 | 2.25 |
| 81 | MP3C | Mx | .014 | 2.25 |
| 82 | MP5A | X | -27.305 | 2.25 |
| 83 | MP5A | Z | -47.294 | 2.25 |
| 84 | MP5A | Mx | .014 | 2.25 |
| 85 | MP5B | X | -27.305 | 2.25 |
| 86 | MP5B | Z | -47.294 | 2.25 |
| 87 | MP5B | Mx | .014 | 2.25 |
| 88 | OVP | X | -59.177 | 1 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 89 | OVP | Z | -102.498 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | -8.052 | 2 |
| 92 | M38 | Z | -13.947 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 1 | M38 | X | 0 | 2 |
| 2 | M38 | Z | -4.689 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | 0 | 2 |
| 5 | M38 | Z | -4.689 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | 0 | 1.75 |
| 8 | MP5A | Z | -10.561 | 1.75 |
| 9 | MP5A | Mx | -.005 | 1.75 |
| 10 | MP5A | X | 0 | 3.75 |
| 11 | MP5A | Z | -10.561 | 3.75 |
| 12 | MP5A | Mx | -.005 | 3.75 |
| 13 | MP5B | X | 0 | 1.75 |
| 14 | MP5B | Z | -17.316 | 1.75 |
| 15 | MP5B | Mx | .003 | 1.75 |
| 16 | MP5B | X | 0 | 3.75 |
| 17 | MP5B | Z | -17.316 | 3.75 |
| 18 | MP5B | Mx | .003 | 3.75 |
| 19 | MP5C | X | 0 | 1.75 |
| 20 | MP5C | Z | -15.897 | 1.75 |
| 21 | MP5C | Mx | -.004 | 1.75 |
| 22 | MP5C | X | 0 | 3.75 |
| 23 | MP5C | Z | -15.897 | 3.75 |
| 24 | MP5C | Mx | -.004 | 3.75 |
| 25 | MP1B | X | 0 | .25 |
| 26 | MP1B | Z | -40.613 | .25 |
| 27 | MP1B | Mx | .039 | .25 |
| 28 | MP1B | X | 0 | 5.25 |
| 29 | MP1B | Z | -40.613 | 5.25 |
| 30 | MP1B | Mx | .039 | 5.25 |
| 31 | MP1B | X | 0 | .25 |
| 32 | MP1B | Z | -40.613 | .25 |
| 33 | MP1B | Mx | -.025 | .25 |
| 34 | MP1B | X | 0 | 5.25 |
| 35 | MP1B | Z | -40.613 | 5.25 |
| 36 | MP1B | Mx | -.025 | 5.25 |
| 37 | MP3C | X | 0 | .25 |
| 38 | MP3C | Z | -37.699 | .25 |
| 39 | MP3C | Mx | -.037 | .25 |
| 40 | MP3C | X | 0 | 5.25 |
| 41 | MP3C | Z | -37.699 | 5.25 |
| 42 | MP3C | Mx | -.037 | 5.25 |
| 43 | MP3C | X | 0 | .25 |
| 44 | MP3C | Z | -37.699 | .25 |
| 45 | MP3C | Mx | .018 | .25 |
| 46 | MP3C | X | 0 | 5.25 |
| 47 | MP3C | Z | -37.699 | 5.25 |
| 48 | MP3C | Mx | .018 | 5.25 |
| 49 | MP2A | X | 0 | .25 |
| 50 | MP2A | Z | -26.585 | .25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 51 | MP2A | Mx | -.003 | .25 |
| 52 | MP2A | X | 0 | 5.25 |
| 53 | MP2A | Z | -26.585 | 5.25 |
| 54 | MP2A | Mx | -.003 | 5.25 |
| 55 | MP2A | X | 0 | .25 |
| 56 | MP2A | Z | -26.585 | .25 |
| 57 | MP2A | Mx | -.02 | .25 |
| 58 | MP2A | X | 0 | 5.25 |
| 59 | MP2A | Z | -26.585 | 5.25 |
| 60 | MP2A | Mx | -.02 | 5.25 |
| 61 | MP3A | X | 0 | 1 |
| 62 | MP3A | Z | -3.77 | 1 |
| 63 | MP3A | Mx | -.002 | 1 |
| 64 | MP3B | X | 0 | 1 |
| 65 | MP3B | Z | -7.375 | 1 |
| 66 | MP3B | Mx | .001 | 1 |
| 67 | MP4C | X | 0 | 1 |
| 68 | MP4C | Z | -6.617 | 1 |
| 69 | MP4C | Mx | -.002 | 1 |
| 70 | MP1C | X | 0 | 2.25 |
| 71 | MP1C | Z | -12.052 | 2.25 |
| 72 | MP1C | Mx | .005 | 2.25 |
| 73 | MP4A | X | 0 | 2.25 |
| 74 | MP4A | Z | -12.052 | 2.25 |
| 75 | MP4A | Mx | .005 | 2.25 |
| 76 | MP4B | X | 0 | 2.25 |
| 77 | MP4B | Z | -12.052 | 2.25 |
| 78 | MP4B | Mx | .005 | 2.25 |
| 79 | MP3C | X | 0 | 2.25 |
| 80 | MP3C | Z | -10.693 | 2.25 |
| 81 | MP3C | Mx | .005 | 2.25 |
| 82 | MP5A | X | 0 | 2.25 |
| 83 | MP5A | Z | -10.693 | 2.25 |
| 84 | MP5A | Mx | .005 | 2.25 |
| 85 | MP5B | X | 0 | 2.25 |
| 86 | MP5B | Z | -10.693 | 2.25 |
| 87 | MP5B | Mx | .005 | 2.25 |
| 88 | OVP | X | 0 | 1 |
| 89 | OVP | Z | -26.884 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | 0 | 2 |
| 92 | M38 | Z | -4.689 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | 2.497 | 2 |
| 2 | M38 | Z | -4.325 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | 2.497 | 2 |
| 5 | M38 | Z | -4.325 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | 3.946 | 1.75 |
| 8 | MP5A | Z | -6.835 | 1.75 |
| 9 | MP5A | Mx | -.004 | 1.75 |
| 10 | MP5A | X | 3.946 | 3.75 |
| 11 | MP5A | Z | -6.835 | 3.75 |
| 12 | MP5A | Mx | -.004 | 3.75 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 13 | MP5B | X | 9.121 | 1.75 |
| 14 | MP5B | Z | -15.799 | 1.75 |
| 15 | MP5B | Mx | -.002 | 1.75 |
| 16 | MP5B | X | 9.121 | 3.75 |
| 17 | MP5B | Z | -15.799 | 3.75 |
| 18 | MP5B | Mx | -.002 | 3.75 |
| 19 | MP5C | X | 9.282 | 1.75 |
| 20 | MP5C | Z | -16.078 | 1.75 |
| 21 | MP5C | Mx | 0 | 1.75 |
| 22 | MP5C | X | 9.282 | 3.75 |
| 23 | MP5C | Z | -16.078 | 3.75 |
| 24 | MP5C | Mx | 0 | 3.75 |
| 25 | MP1B | X | 21.257 | .25 |
| 26 | MP1B | Z | -36.819 | .25 |
| 27 | MP1B | Mx | .031 | .25 |
| 28 | MP1B | X | 21.257 | 5.25 |
| 29 | MP1B | Z | -36.819 | 5.25 |
| 30 | MP1B | Mx | .031 | 5.25 |
| 31 | MP1B | X | 21.257 | .25 |
| 32 | MP1B | Z | -36.819 | .25 |
| 33 | MP1B | Mx | -.039 | .25 |
| 34 | MP1B | X | 21.257 | 5.25 |
| 35 | MP1B | Z | -36.819 | 5.25 |
| 36 | MP1B | Mx | -.039 | 5.25 |
| 37 | MP3C | X | 21.588 | .25 |
| 38 | MP3C | Z | -37.391 | .25 |
| 39 | MP3C | Mx | -.036 | .25 |
| 40 | MP3C | X | 21.588 | 5.25 |
| 41 | MP3C | Z | -37.391 | 5.25 |
| 42 | MP3C | Mx | -.036 | 5.25 |
| 43 | MP3C | X | 21.588 | .25 |
| 44 | MP3C | Z | -37.391 | .25 |
| 45 | MP3C | Mx | .036 | .25 |
| 46 | MP3C | X | 21.588 | 5.25 |
| 47 | MP3C | Z | -37.391 | 5.25 |
| 48 | MP3C | Mx | .036 | 5.25 |
| 49 | MP2A | X | 11.903 | .25 |
| 50 | MP2A | Z | -20.616 | .25 |
| 51 | MP2A | Mx | -.012 | .25 |
| 52 | MP2A | X | 11.903 | 5.25 |
| 53 | MP2A | Z | -20.616 | 5.25 |
| 54 | MP2A | Mx | -.012 | 5.25 |
| 55 | MP2A | X | 11.903 | .25 |
| 56 | MP2A | Z | -20.616 | .25 |
| 57 | MP2A | Mx | -.012 | .25 |
| 58 | MP2A | X | 11.903 | 5.25 |
| 59 | MP2A | Z | -20.616 | 5.25 |
| 60 | MP2A | Mx | -.012 | 5.25 |
| 61 | MP3A | X | 1.173 | 1 |
| 62 | MP3A | Z | -2.032 | 1 |
| 63 | MP3A | Mx | -.001 | 1 |
| 64 | MP3B | X | 3.934 | 1 |
| 65 | MP3B | Z | -6.815 | 1 |
| 66 | MP3B | Mx | -.000683 | 1 |
| 67 | MP4C | X | 4.02 | 1 |
| 68 | MP4C | Z | -6.963 | 1 |
| 69 | MP4C | Mx | 0 | 1 |
| 70 | MP1C | X | 5.43 | 2.25 |
| 71 | MP1C | Z | -9.405 | 2.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 72 | MP1C | Mx | .005 | 2.25 |
| 73 | MP4A | X | 5.43 | 2.25 |
| 74 | MP4A | Z | -9.405 | 2.25 |
| 75 | MP4A | Mx | .005 | 2.25 |
| 76 | MP4B | X | 5.43 | 2.25 |
| 77 | MP4B | Z | -9.405 | 2.25 |
| 78 | MP4B | Mx | .005 | 2.25 |
| 79 | MP3C | X | 4.524 | 2.25 |
| 80 | MP3C | Z | -7.837 | 2.25 |
| 81 | MP3C | Mx | .005 | 2.25 |
| 82 | MP5A | X | 4.524 | 2.25 |
| 83 | MP5A | Z | -7.837 | 2.25 |
| 84 | MP5A | Mx | .005 | 2.25 |
| 85 | MP5B | X | 4.524 | 2.25 |
| 86 | MP5B | Z | -7.837 | 2.25 |
| 87 | MP5B | Mx | .005 | 2.25 |
| 88 | OVP | X | 12.564 | 1 |
| 89 | OVP | Z | -21.762 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | 2.497 | 2 |
| 92 | M38 | Z | -4.325 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | 4.061 | 2 |
| 2 | M38 | Z | -2.345 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | 4.061 | 2 |
| 5 | M38 | Z | -2.345 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | 9.146 | 1.75 |
| 8 | MP5A | Z | -5.28 | 1.75 |
| 9 | MP5A | Mx | -.005 | 1.75 |
| 10 | MP5A | X | 9.146 | 3.75 |
| 11 | MP5A | Z | -5.28 | 3.75 |
| 12 | MP5A | Mx | -.005 | 3.75 |
| 13 | MP5B | X | 12.259 | 1.75 |
| 14 | MP5B | Z | -7.078 | 1.75 |
| 15 | MP5B | Mx | -.005 | 1.75 |
| 16 | MP5B | X | 12.259 | 3.75 |
| 17 | MP5B | Z | -7.078 | 3.75 |
| 18 | MP5B | Mx | -.005 | 3.75 |
| 19 | MP5C | X | 13.767 | 1.75 |
| 20 | MP5C | Z | -7.948 | 1.75 |
| 21 | MP5C | Mx | .004 | 1.75 |
| 22 | MP5C | X | 13.767 | 3.75 |
| 23 | MP5C | Z | -7.948 | 3.75 |
| 24 | MP5C | Mx | .004 | 3.75 |
| 25 | MP1B | X | 29.552 | .25 |
| 26 | MP1B | Z | -17.062 | .25 |
| 27 | MP1B | Mx | .011 | .25 |
| 28 | MP1B | X | 29.552 | 5.25 |
| 29 | MP1B | Z | -17.062 | 5.25 |
| 30 | MP1B | Mx | .011 | 5.25 |
| 31 | MP1B | X | 29.552 | .25 |
| 32 | MP1B | Z | -17.062 | .25 |
| 33 | MP1B | Mx | -.033 | .25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 34 | MP1B | X | 29.552 | 5.25 |
| 35 | MP1B | Z | -17.062 | 5.25 |
| 36 | MP1B | Mx | -.033 | 5.25 |
| 37 | MP3C | X | 32.648 | .25 |
| 38 | MP3C | Z | -18.849 | .25 |
| 39 | MP3C | Mx | -.018 | .25 |
| 40 | MP3C | X | 32.648 | 5.25 |
| 41 | MP3C | Z | -18.849 | 5.25 |
| 42 | MP3C | Mx | -.018 | 5.25 |
| 43 | MP3C | X | 32.648 | .25 |
| 44 | MP3C | Z | -18.849 | .25 |
| 45 | MP3C | Mx | .037 | .25 |
| 46 | MP3C | X | 32.648 | 5.25 |
| 47 | MP3C | Z | -18.849 | 5.25 |
| 48 | MP3C | Mx | .037 | 5.25 |
| 49 | MP2A | X | 23.024 | .25 |
| 50 | MP2A | Z | -13.293 | .25 |
| 51 | MP2A | Mx | -.02 | .25 |
| 52 | MP2A | X | 23.024 | 5.25 |
| 53 | MP2A | Z | -13.293 | 5.25 |
| 54 | MP2A | Mx | -.02 | 5.25 |
| 55 | MP2A | X | 23.024 | .25 |
| 56 | MP2A | Z | -13.293 | .25 |
| 57 | MP2A | Mx | -.003 | .25 |
| 58 | MP2A | X | 23.024 | 5.25 |
| 59 | MP2A | Z | -13.293 | 5.25 |
| 60 | MP2A | Mx | -.003 | 5.25 |
| 61 | MP3A | X | 3.265 | 1 |
| 62 | MP3A | Z | -1.885 | 1 |
| 63 | MP3A | Mx | -.002 | 1 |
| 64 | MP3B | X | 4.926 | 1 |
| 65 | MP3B | Z | -2.844 | 1 |
| 66 | MP3B | Mx | -.002 | 1 |
| 67 | MP4C | X | 5.73 | 1 |
| 68 | MP4C | Z | -3.309 | 1 |
| 69 | MP4C | Mx | .002 | 1 |
| 70 | MP1C | X | 10.437 | 2.25 |
| 71 | MP1C | Z | -6.026 | 2.25 |
| 72 | MP1C | Mx | .005 | 2.25 |
| 73 | MP4A | X | 10.437 | 2.25 |
| 74 | MP4A | Z | -6.026 | 2.25 |
| 75 | MP4A | Mx | .005 | 2.25 |
| 76 | MP4B | X | 10.437 | 2.25 |
| 77 | MP4B | Z | -6.026 | 2.25 |
| 78 | MP4B | Mx | .005 | 2.25 |
| 79 | MP3C | X | 9.261 | 2.25 |
| 80 | MP3C | Z | -5.347 | 2.25 |
| 81 | MP3C | Mx | .005 | 2.25 |
| 82 | MP5A | X | 9.261 | 2.25 |
| 83 | MP5A | Z | -5.347 | 2.25 |
| 84 | MP5A | Mx | .005 | 2.25 |
| 85 | MP5B | X | 9.261 | 2.25 |
| 86 | MP5B | Z | -5.347 | 2.25 |
| 87 | MP5B | Mx | .005 | 2.25 |
| 88 | OVP | X | 23.283 | 1 |
| 89 | OVP | Z | -13.442 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | 4.061 | 2 |
| 92 | M38 | Z | -2.345 | 2 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 1 | M38 | X | 4.081 | 2 |
| 2 | M38 | Z | 0 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | 4.081 | 2 |
| 5 | M38 | Z | 0 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | 15.897 | 1.75 |
| 8 | MP5A | Z | 0 | 1.75 |
| 9 | MP5A | Mx | -.004 | 1.75 |
| 10 | MP5A | X | 15.897 | 3.75 |
| 11 | MP5A | Z | 0 | 3.75 |
| 12 | MP5A | Mx | -.004 | 3.75 |
| 13 | MP5B | X | 9.141 | 1.75 |
| 14 | MP5B | Z | 0 | 1.75 |
| 15 | MP5B | Mx | -.004 | 1.75 |
| 16 | MP5B | X | 9.141 | 3.75 |
| 17 | MP5B | Z | 0 | 3.75 |
| 18 | MP5B | Mx | -.004 | 3.75 |
| 19 | MP5C | X | 10.561 | 1.75 |
| 20 | MP5C | Z | 0 | 1.75 |
| 21 | MP5C | Mx | .005 | 1.75 |
| 22 | MP5C | X | 10.561 | 3.75 |
| 23 | MP5C | Z | 0 | 3.75 |
| 24 | MP5C | Mx | .005 | 3.75 |
| 25 | MP1B | X | 23.831 | .25 |
| 26 | MP1B | Z | 0 | .25 |
| 27 | MP1B | Mx | -.004 | .25 |
| 28 | MP1B | X | 23.831 | 5.25 |
| 29 | MP1B | Z | 0 | 5.25 |
| 30 | MP1B | Mx | -.004 | 5.25 |
| 31 | MP1B | X | 23.831 | .25 |
| 32 | MP1B | Z | 0 | .25 |
| 33 | MP1B | Mx | -.018 | .25 |
| 34 | MP1B | X | 23.831 | 5.25 |
| 35 | MP1B | Z | 0 | 5.25 |
| 36 | MP1B | Mx | -.018 | 5.25 |
| 37 | MP3C | X | 26.745 | .25 |
| 38 | MP3C | Z | 0 | .25 |
| 39 | MP3C | Mx | .000437 | .25 |
| 40 | MP3C | X | 26.745 | 5.25 |
| 41 | MP3C | Z | 0 | 5.25 |
| 42 | MP3C | Mx | .000437 | 5.25 |
| 43 | MP3C | X | 26.745 | .25 |
| 44 | MP3C | Z | 0 | .25 |
| 45 | MP3C | Mx | .023 | .25 |
| 46 | MP3C | X | 26.745 | 5.25 |
| 47 | MP3C | Z | 0 | 5.25 |
| 48 | MP3C | Mx | .023 | 5.25 |
| 49 | MP2A | X | 32.146 | .25 |
| 50 | MP2A | Z | 0 | .25 |
| 51 | MP2A | Mx | -.027 | .25 |
| 52 | MP2A | X | 32.146 | 5.25 |
| 53 | MP2A | Z | 0 | 5.25 |
| 54 | MP2A | Mx | -.027 | 5.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 55 | MP2A | X | 32.146 | .25 |
| 56 | MP2A | Z | 0 | .25 |
| 57 | MP2A | Mx | .011 | .25 |
| 58 | MP2A | X | 32.146 | 5.25 |
| 59 | MP2A | Z | 0 | 5.25 |
| 60 | MP2A | Mx | .011 | 5.25 |
| 61 | MP3A | X | 6.617 | 1 |
| 62 | MP3A | Z | 0 | 1 |
| 63 | MP3A | Mx | -.002 | 1 |
| 64 | MP3B | X | 3.012 | 1 |
| 65 | MP3B | Z | 0 | 1 |
| 66 | MP3B | Mx | -.001 | 1 |
| 67 | MP4C | X | 3.77 | 1 |
| 68 | MP4C | Z | 0 | 1 |
| 69 | MP4C | Mx | .002 | 1 |
| 70 | MP1C | X | 14.435 | 2.25 |
| 71 | MP1C | Z | 0 | 2.25 |
| 72 | MP1C | Mx | .004 | 2.25 |
| 73 | MP4A | X | 14.435 | 2.25 |
| 74 | MP4A | Z | 0 | 2.25 |
| 75 | MP4A | Mx | .004 | 2.25 |
| 76 | MP4B | X | 14.435 | 2.25 |
| 77 | MP4B | Z | 0 | 2.25 |
| 78 | MP4B | Mx | .004 | 2.25 |
| 79 | MP3C | X | 13.982 | 2.25 |
| 80 | MP3C | Z | 0 | 2.25 |
| 81 | MP3C | Mx | .003 | 2.25 |
| 82 | MP5A | X | 13.982 | 2.25 |
| 83 | MP5A | Z | 0 | 2.25 |
| 84 | MP5A | Mx | .003 | 2.25 |
| 85 | MP5B | X | 13.982 | 2.25 |
| 86 | MP5B | Z | 0 | 2.25 |
| 87 | MP5B | Mx | .003 | 2.25 |
| 88 | OVP | X | 30.395 | 1 |
| 89 | OVP | Z | 0 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | 4.081 | 2 |
| 92 | M38 | Z | 0 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | 3.27 | 2 |
| 2 | M38 | Z | 1.888 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | 3.27 | 2 |
| 5 | M38 | Z | 1.888 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | 16.078 | 1.75 |
| 8 | MP5A | Z | 9.282 | 1.75 |
| 9 | MP5A | Mx | 0 | 1.75 |
| 10 | MP5A | X | 16.078 | 3.75 |
| 11 | MP5A | Z | 9.282 | 3.75 |
| 12 | MP5A | Mx | 0 | 3.75 |
| 13 | MP5B | X | 7.114 | 1.75 |
| 14 | MP5B | Z | 4.107 | 1.75 |
| 15 | MP5B | Mx | -.004 | 1.75 |
| 16 | MP5B | X | 7.114 | 3.75 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 17 | MP5B | Z | 4.107 | 3.75 |
| 18 | MP5B | Mx | -.004 | 3.75 |
| 19 | MP5C | X | 6.835 | 1.75 |
| 20 | MP5C | Z | 3.946 | 1.75 |
| 21 | MP5C | Mx | .004 | 1.75 |
| 22 | MP5C | X | 6.835 | 3.75 |
| 23 | MP5C | Z | 3.946 | 3.75 |
| 24 | MP5C | Mx | .004 | 3.75 |
| 25 | MP1B | X | 18.991 | .25 |
| 26 | MP1B | Z | 10.964 | .25 |
| 27 | MP1B | Mx | -.014 | .25 |
| 28 | MP1B | X | 18.991 | 5.25 |
| 29 | MP1B | Z | 10.964 | 5.25 |
| 30 | MP1B | Mx | -.014 | 5.25 |
| 31 | MP1B | X | 18.991 | .25 |
| 32 | MP1B | Z | 10.964 | .25 |
| 33 | MP1B | Mx | -.008 | .25 |
| 34 | MP1B | X | 18.991 | 5.25 |
| 35 | MP1B | Z | 10.964 | 5.25 |
| 36 | MP1B | Mx | -.008 | 5.25 |
| 37 | MP3C | X | 18.419 | .25 |
| 38 | MP3C | Z | 10.634 | .25 |
| 39 | MP3C | Mx | .011 | .25 |
| 40 | MP3C | X | 18.419 | 5.25 |
| 41 | MP3C | Z | 10.634 | 5.25 |
| 42 | MP3C | Mx | .011 | 5.25 |
| 43 | MP3C | X | 18.419 | .25 |
| 44 | MP3C | Z | 10.634 | .25 |
| 45 | MP3C | Mx | .011 | .25 |
| 46 | MP3C | X | 18.419 | 5.25 |
| 47 | MP3C | Z | 10.634 | 5.25 |
| 48 | MP3C | Mx | .011 | 5.25 |
| 49 | MP2A | X | 30.247 | .25 |
| 50 | MP2A | Z | 17.463 | .25 |
| 51 | MP2A | Mx | -.023 | .25 |
| 52 | MP2A | X | 30.247 | 5.25 |
| 53 | MP2A | Z | 17.463 | 5.25 |
| 54 | MP2A | Mx | -.023 | 5.25 |
| 55 | MP2A | X | 30.247 | .25 |
| 56 | MP2A | Z | 17.463 | .25 |
| 57 | MP2A | Mx | .023 | .25 |
| 58 | MP2A | X | 30.247 | 5.25 |
| 59 | MP2A | Z | 17.463 | 5.25 |
| 60 | MP2A | Mx | .023 | 5.25 |
| 61 | MP3A | X | 6.963 | 1 |
| 62 | MP3A | Z | 4.02 | 1 |
| 63 | MP3A | Mx | 0 | 1 |
| 64 | MP3B | X | 2.18 | 1 |
| 65 | MP3B | Z | 1.259 | 1 |
| 66 | MP3B | Mx | -.001 | 1 |
| 67 | MP4C | X | 2.032 | 1 |
| 68 | MP4C | Z | 1.173 | 1 |
| 69 | MP4C | Mx | .001 | 1 |
| 70 | MP1C | X | 13.533 | 2.25 |
| 71 | MP1C | Z | 7.813 | 2.25 |
| 72 | MP1C | Mx | 0 | 2.25 |
| 73 | MP4A | X | 13.533 | 2.25 |
| 74 | MP4A | Z | 7.813 | 2.25 |
| 75 | MP4A | Mx | 0 | 2.25 |



Company :
 Designer :
 Job Number :
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Member Point Loads (BLC 19 : Antenna Wi (120 Deg)) (Continued)

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 76 | MP4B | X | 13.533 | 2.25 |
| 77 | MP4B | Z | 7.813 | 2.25 |
| 78 | MP4B | Mx | 0 | 2.25 |
| 79 | MP3C | X | 13.533 | 2.25 |
| 80 | MP3C | Z | 7.813 | 2.25 |
| 81 | MP3C | Mx | 0 | 2.25 |
| 82 | MP5A | X | 13.533 | 2.25 |
| 83 | MP5A | Z | 7.813 | 2.25 |
| 84 | MP5A | Mx | 0 | 2.25 |
| 85 | MP5B | X | 13.533 | 2.25 |
| 86 | MP5B | Z | 7.813 | 2.25 |
| 87 | MP5B | Mx | 0 | 2.25 |
| 88 | OVP | X | 27.844 | 1 |
| 89 | OVP | Z | 16.076 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | 3.27 | 2 |
| 92 | M38 | Z | 1.888 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | 2.04 | 2 |
| 2 | M38 | Z | 3.534 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | 2.04 | 2 |
| 5 | M38 | Z | 3.534 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | 7.948 | 1.75 |
| 8 | MP5A | Z | 13.767 | 1.75 |
| 9 | MP5A | Mx | .004 | 1.75 |
| 10 | MP5A | X | 7.948 | 3.75 |
| 11 | MP5A | Z | 13.767 | 3.75 |
| 12 | MP5A | Mx | .004 | 3.75 |
| 13 | MP5B | X | 6.151 | 1.75 |
| 14 | MP5B | Z | 10.654 | 1.75 |
| 15 | MP5B | Mx | -.005 | 1.75 |
| 16 | MP5B | X | 6.151 | 3.75 |
| 17 | MP5B | Z | 10.654 | 3.75 |
| 18 | MP5B | Mx | -.005 | 3.75 |
| 19 | MP5C | X | 5.28 | 1.75 |
| 20 | MP5C | Z | 9.146 | 1.75 |
| 21 | MP5C | Mx | .005 | 1.75 |
| 22 | MP5C | X | 5.28 | 3.75 |
| 23 | MP5C | Z | 9.146 | 3.75 |
| 24 | MP5C | Mx | .005 | 3.75 |
| 25 | MP1B | X | 15.16 | .25 |
| 26 | MP1B | Z | 26.258 | .25 |
| 27 | MP1B | Mx | -.028 | .25 |
| 28 | MP1B | X | 15.16 | 5.25 |
| 29 | MP1B | Z | 26.258 | 5.25 |
| 30 | MP1B | Mx | -.028 | 5.25 |
| 31 | MP1B | X | 15.16 | .25 |
| 32 | MP1B | Z | 26.258 | .25 |
| 33 | MP1B | Mx | .005 | .25 |
| 34 | MP1B | X | 15.16 | 5.25 |
| 35 | MP1B | Z | 26.258 | 5.25 |
| 36 | MP1B | Mx | .005 | 5.25 |
| 37 | MP3C | X | 13.372 | .25 |



Company :
 Designer :
 Job Number :
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Member Point Loads (BLC 20 : Antenna Wi (150 Deg)) (Continued)

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 38 | MP3C | Z | 23.162 | .25 |
| 39 | MP3C | Mx | .023 | .25 |
| 40 | MP3C | X | 13.372 | 5.25 |
| 41 | MP3C | Z | 23.162 | 5.25 |
| 42 | MP3C | Mx | .023 | 5.25 |
| 43 | MP3C | X | 13.372 | .25 |
| 44 | MP3C | Z | 23.162 | .25 |
| 45 | MP3C | Mx | .000437 | .25 |
| 46 | MP3C | X | 13.372 | 5.25 |
| 47 | MP3C | Z | 23.162 | 5.25 |
| 48 | MP3C | Mx | .000437 | 5.25 |
| 49 | MP2A | X | 16.073 | .25 |
| 50 | MP2A | Z | 27.839 | .25 |
| 51 | MP2A | Mx | -.011 | .25 |
| 52 | MP2A | X | 16.073 | 5.25 |
| 53 | MP2A | Z | 27.839 | 5.25 |
| 54 | MP2A | Mx | -.011 | 5.25 |
| 55 | MP2A | X | 16.073 | .25 |
| 56 | MP2A | Z | 27.839 | .25 |
| 57 | MP2A | Mx | .027 | .25 |
| 58 | MP2A | X | 16.073 | 5.25 |
| 59 | MP2A | Z | 27.839 | 5.25 |
| 60 | MP2A | Mx | .027 | 5.25 |
| 61 | MP3A | X | 3.309 | 1 |
| 62 | MP3A | Z | 5.73 | 1 |
| 63 | MP3A | Mx | .002 | 1 |
| 64 | MP3B | X | 2.349 | 1 |
| 65 | MP3B | Z | 4.069 | 1 |
| 66 | MP3B | Mx | -.002 | 1 |
| 67 | MP4C | X | 1.885 | 1 |
| 68 | MP4C | Z | 3.265 | 1 |
| 69 | MP4C | Mx | .002 | 1 |
| 70 | MP1C | X | 7.218 | 2.25 |
| 71 | MP1C | Z | 12.501 | 2.25 |
| 72 | MP1C | Mx | -.004 | 2.25 |
| 73 | MP4A | X | 7.218 | 2.25 |
| 74 | MP4A | Z | 12.501 | 2.25 |
| 75 | MP4A | Mx | -.004 | 2.25 |
| 76 | MP4B | X | 7.218 | 2.25 |
| 77 | MP4B | Z | 12.501 | 2.25 |
| 78 | MP4B | Mx | -.004 | 2.25 |
| 79 | MP3C | X | 6.991 | 2.25 |
| 80 | MP3C | Z | 12.109 | 2.25 |
| 81 | MP3C | Mx | -.003 | 2.25 |
| 82 | MP5A | X | 6.991 | 2.25 |
| 83 | MP5A | Z | 12.109 | 2.25 |
| 84 | MP5A | Mx | -.003 | 2.25 |
| 85 | MP5B | X | 6.991 | 2.25 |
| 86 | MP5B | Z | 12.109 | 2.25 |
| 87 | MP5B | Mx | -.003 | 2.25 |
| 88 | OVP | X | 15.198 | 1 |
| 89 | OVP | Z | 26.323 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | 2.04 | 2 |
| 92 | M38 | Z | 3.534 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

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



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | 0 | 2 |
| 2 | M38 | Z | 4.689 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | 0 | 2 |
| 5 | M38 | Z | 4.689 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | 0 | 1.75 |
| 8 | MP5A | Z | 10.561 | 1.75 |
| 9 | MP5A | Mx | .005 | 1.75 |
| 10 | MP5A | X | 0 | 3.75 |
| 11 | MP5A | Z | 10.561 | 3.75 |
| 12 | MP5A | Mx | .005 | 3.75 |
| 13 | MP5B | X | 0 | 1.75 |
| 14 | MP5B | Z | 17.316 | 1.75 |
| 15 | MP5B | Mx | -.003 | 1.75 |
| 16 | MP5B | X | 0 | 3.75 |
| 17 | MP5B | Z | 17.316 | 3.75 |
| 18 | MP5B | Mx | -.003 | 3.75 |
| 19 | MP5C | X | 0 | 1.75 |
| 20 | MP5C | Z | 15.897 | 1.75 |
| 21 | MP5C | Mx | .004 | 1.75 |
| 22 | MP5C | X | 0 | 3.75 |
| 23 | MP5C | Z | 15.897 | 3.75 |
| 24 | MP5C | Mx | .004 | 3.75 |
| 25 | MP1B | X | 0 | .25 |
| 26 | MP1B | Z | 40.613 | .25 |
| 27 | MP1B | Mx | -.039 | .25 |
| 28 | MP1B | X | 0 | 5.25 |
| 29 | MP1B | Z | 40.613 | 5.25 |
| 30 | MP1B | Mx | -.039 | 5.25 |
| 31 | MP1B | X | 0 | .25 |
| 32 | MP1B | Z | 40.613 | .25 |
| 33 | MP1B | Mx | .025 | .25 |
| 34 | MP1B | X | 0 | 5.25 |
| 35 | MP1B | Z | 40.613 | 5.25 |
| 36 | MP1B | Mx | .025 | 5.25 |
| 37 | MP3C | X | 0 | .25 |
| 38 | MP3C | Z | 37.699 | .25 |
| 39 | MP3C | Mx | .037 | .25 |
| 40 | MP3C | X | 0 | 5.25 |
| 41 | MP3C | Z | 37.699 | 5.25 |
| 42 | MP3C | Mx | .037 | 5.25 |
| 43 | MP3C | X | 0 | .25 |
| 44 | MP3C | Z | 37.699 | .25 |
| 45 | MP3C | Mx | -.018 | .25 |
| 46 | MP3C | X | 0 | 5.25 |
| 47 | MP3C | Z | 37.699 | 5.25 |
| 48 | MP3C | Mx | -.018 | 5.25 |
| 49 | MP2A | X | 0 | .25 |
| 50 | MP2A | Z | 26.585 | .25 |
| 51 | MP2A | Mx | .003 | .25 |
| 52 | MP2A | X | 0 | 5.25 |
| 53 | MP2A | Z | 26.585 | 5.25 |
| 54 | MP2A | Mx | .003 | 5.25 |
| 55 | MP2A | X | 0 | .25 |
| 56 | MP2A | Z | 26.585 | .25 |
| 57 | MP2A | Mx | .02 | .25 |
| 58 | MP2A | X | 0 | 5.25 |
| 59 | MP2A | Z | 26.585 | 5.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 60 | MP2A | Mx | .02 | 5.25 |
| 61 | MP3A | X | 0 | 1 |
| 62 | MP3A | Z | 3.77 | 1 |
| 63 | MP3A | Mx | .002 | 1 |
| 64 | MP3B | X | 0 | 1 |
| 65 | MP3B | Z | 7.375 | 1 |
| 66 | MP3B | Mx | -.001 | 1 |
| 67 | MP4C | X | 0 | 1 |
| 68 | MP4C | Z | 6.617 | 1 |
| 69 | MP4C | Mx | .002 | 1 |
| 70 | MP1C | X | 0 | 2.25 |
| 71 | MP1C | Z | 12.052 | 2.25 |
| 72 | MP1C | Mx | -.005 | 2.25 |
| 73 | MP4A | X | 0 | 2.25 |
| 74 | MP4A | Z | 12.052 | 2.25 |
| 75 | MP4A | Mx | -.005 | 2.25 |
| 76 | MP4B | X | 0 | 2.25 |
| 77 | MP4B | Z | 12.052 | 2.25 |
| 78 | MP4B | Mx | -.005 | 2.25 |
| 79 | MP3C | X | 0 | 2.25 |
| 80 | MP3C | Z | 10.693 | 2.25 |
| 81 | MP3C | Mx | -.005 | 2.25 |
| 82 | MP5A | X | 0 | 2.25 |
| 83 | MP5A | Z | 10.693 | 2.25 |
| 84 | MP5A | Mx | -.005 | 2.25 |
| 85 | MP5B | X | 0 | 2.25 |
| 86 | MP5B | Z | 10.693 | 2.25 |
| 87 | MP5B | Mx | -.005 | 2.25 |
| 88 | OVP | X | 0 | 1 |
| 89 | OVP | Z | 26.884 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | 0 | 2 |
| 92 | M38 | Z | 4.689 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | -2.497 | 2 |
| 2 | M38 | Z | 4.325 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | -2.497 | 2 |
| 5 | M38 | Z | 4.325 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | -3.946 | 1.75 |
| 8 | MP5A | Z | 6.835 | 1.75 |
| 9 | MP5A | Mx | .004 | 1.75 |
| 10 | MP5A | X | -3.946 | 3.75 |
| 11 | MP5A | Z | 6.835 | 3.75 |
| 12 | MP5A | Mx | .004 | 3.75 |
| 13 | MP5B | X | -9.121 | 1.75 |
| 14 | MP5B | Z | 15.799 | 1.75 |
| 15 | MP5B | Mx | .002 | 1.75 |
| 16 | MP5B | X | -9.121 | 3.75 |
| 17 | MP5B | Z | 15.799 | 3.75 |
| 18 | MP5B | Mx | .002 | 3.75 |
| 19 | MP5C | X | -9.282 | 1.75 |
| 20 | MP5C | Z | 16.078 | 1.75 |
| 21 | MP5C | Mx | 0 | 1.75 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 22 | MP5C | X | -9.282 | 3.75 |
| 23 | MP5C | Z | 16.078 | 3.75 |
| 24 | MP5C | Mx | 0 | 3.75 |
| 25 | MP1B | X | -21.257 | .25 |
| 26 | MP1B | Z | 36.819 | .25 |
| 27 | MP1B | Mx | -.031 | .25 |
| 28 | MP1B | X | -21.257 | 5.25 |
| 29 | MP1B | Z | 36.819 | 5.25 |
| 30 | MP1B | Mx | -.031 | 5.25 |
| 31 | MP1B | X | -21.257 | .25 |
| 32 | MP1B | Z | 36.819 | .25 |
| 33 | MP1B | Mx | .039 | .25 |
| 34 | MP1B | X | -21.257 | 5.25 |
| 35 | MP1B | Z | 36.819 | 5.25 |
| 36 | MP1B | Mx | .039 | 5.25 |
| 37 | MP3C | X | -21.588 | .25 |
| 38 | MP3C | Z | 37.391 | .25 |
| 39 | MP3C | Mx | .036 | .25 |
| 40 | MP3C | X | -21.588 | 5.25 |
| 41 | MP3C | Z | 37.391 | 5.25 |
| 42 | MP3C | Mx | .036 | 5.25 |
| 43 | MP3C | X | -21.588 | .25 |
| 44 | MP3C | Z | 37.391 | .25 |
| 45 | MP3C | Mx | -.036 | .25 |
| 46 | MP3C | X | -21.588 | 5.25 |
| 47 | MP3C | Z | 37.391 | 5.25 |
| 48 | MP3C | Mx | -.036 | 5.25 |
| 49 | MP2A | X | -11.903 | .25 |
| 50 | MP2A | Z | 20.616 | .25 |
| 51 | MP2A | Mx | .012 | .25 |
| 52 | MP2A | X | -11.903 | 5.25 |
| 53 | MP2A | Z | 20.616 | 5.25 |
| 54 | MP2A | Mx | .012 | 5.25 |
| 55 | MP2A | X | -11.903 | .25 |
| 56 | MP2A | Z | 20.616 | .25 |
| 57 | MP2A | Mx | .012 | .25 |
| 58 | MP2A | X | -11.903 | 5.25 |
| 59 | MP2A | Z | 20.616 | 5.25 |
| 60 | MP2A | Mx | .012 | 5.25 |
| 61 | MP3A | X | -1.173 | 1 |
| 62 | MP3A | Z | 2.032 | 1 |
| 63 | MP3A | Mx | .001 | 1 |
| 64 | MP3B | X | -3.934 | 1 |
| 65 | MP3B | Z | 6.815 | 1 |
| 66 | MP3B | Mx | .000683 | 1 |
| 67 | MP4C | X | -4.02 | 1 |
| 68 | MP4C | Z | 6.963 | 1 |
| 69 | MP4C | Mx | 0 | 1 |
| 70 | MP1C | X | -5.43 | 2.25 |
| 71 | MP1C | Z | 9.405 | 2.25 |
| 72 | MP1C | Mx | -.005 | 2.25 |
| 73 | MP4A | X | -5.43 | 2.25 |
| 74 | MP4A | Z | 9.405 | 2.25 |
| 75 | MP4A | Mx | -.005 | 2.25 |
| 76 | MP4B | X | -5.43 | 2.25 |
| 77 | MP4B | Z | 9.405 | 2.25 |
| 78 | MP4B | Mx | -.005 | 2.25 |
| 79 | MP3C | X | -4.524 | 2.25 |
| 80 | MP3C | Z | 7.837 | 2.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 81 | MP3C | Mx | -.005 | 2.25 |
| 82 | MP5A | X | -4.524 | 2.25 |
| 83 | MP5A | Z | 7.837 | 2.25 |
| 84 | MP5A | Mx | -.005 | 2.25 |
| 85 | MP5B | X | -4.524 | 2.25 |
| 86 | MP5B | Z | 7.837 | 2.25 |
| 87 | MP5B | Mx | -.005 | 2.25 |
| 88 | OVP | X | -12.564 | 1 |
| 89 | OVP | Z | 21.762 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | -2.497 | 2 |
| 92 | M38 | Z | 4.325 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 1 | M38 | X | -4.061 | 2 |
| 2 | M38 | Z | 2.345 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | -4.061 | 2 |
| 5 | M38 | Z | 2.345 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | -9.146 | 1.75 |
| 8 | MP5A | Z | 5.28 | 1.75 |
| 9 | MP5A | Mx | .005 | 1.75 |
| 10 | MP5A | X | -9.146 | 3.75 |
| 11 | MP5A | Z | 5.28 | 3.75 |
| 12 | MP5A | Mx | .005 | 3.75 |
| 13 | MP5B | X | -12.259 | 1.75 |
| 14 | MP5B | Z | 7.078 | 1.75 |
| 15 | MP5B | Mx | .005 | 1.75 |
| 16 | MP5B | X | -12.259 | 3.75 |
| 17 | MP5B | Z | 7.078 | 3.75 |
| 18 | MP5B | Mx | .005 | 3.75 |
| 19 | MP5C | X | -13.767 | 1.75 |
| 20 | MP5C | Z | 7.948 | 1.75 |
| 21 | MP5C | Mx | -.004 | 1.75 |
| 22 | MP5C | X | -13.767 | 3.75 |
| 23 | MP5C | Z | 7.948 | 3.75 |
| 24 | MP5C | Mx | -.004 | 3.75 |
| 25 | MP1B | X | -29.552 | .25 |
| 26 | MP1B | Z | 17.062 | .25 |
| 27 | MP1B | Mx | -.011 | .25 |
| 28 | MP1B | X | -29.552 | 5.25 |
| 29 | MP1B | Z | 17.062 | 5.25 |
| 30 | MP1B | Mx | -.011 | 5.25 |
| 31 | MP1B | X | -29.552 | .25 |
| 32 | MP1B | Z | 17.062 | .25 |
| 33 | MP1B | Mx | .033 | .25 |
| 34 | MP1B | X | -29.552 | 5.25 |
| 35 | MP1B | Z | 17.062 | 5.25 |
| 36 | MP1B | Mx | .033 | 5.25 |
| 37 | MP3C | X | -32.648 | .25 |
| 38 | MP3C | Z | 18.849 | .25 |
| 39 | MP3C | Mx | .018 | .25 |
| 40 | MP3C | X | -32.648 | 5.25 |
| 41 | MP3C | Z | 18.849 | 5.25 |
| 42 | MP3C | Mx | .018 | 5.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 43 | MP3C | X | -32.648 | .25 |
| 44 | MP3C | Z | 18.849 | .25 |
| 45 | MP3C | Mx | -.037 | .25 |
| 46 | MP3C | X | -32.648 | 5.25 |
| 47 | MP3C | Z | 18.849 | 5.25 |
| 48 | MP3C | Mx | -.037 | 5.25 |
| 49 | MP2A | X | -23.024 | .25 |
| 50 | MP2A | Z | 13.293 | .25 |
| 51 | MP2A | Mx | .02 | .25 |
| 52 | MP2A | X | -23.024 | 5.25 |
| 53 | MP2A | Z | 13.293 | 5.25 |
| 54 | MP2A | Mx | .02 | 5.25 |
| 55 | MP2A | X | -23.024 | .25 |
| 56 | MP2A | Z | 13.293 | .25 |
| 57 | MP2A | Mx | .003 | .25 |
| 58 | MP2A | X | -23.024 | 5.25 |
| 59 | MP2A | Z | 13.293 | 5.25 |
| 60 | MP2A | Mx | .003 | 5.25 |
| 61 | MP3A | X | -3.265 | 1 |
| 62 | MP3A | Z | 1.885 | 1 |
| 63 | MP3A | Mx | .002 | 1 |
| 64 | MP3B | X | -4.926 | 1 |
| 65 | MP3B | Z | 2.844 | 1 |
| 66 | MP3B | Mx | .002 | 1 |
| 67 | MP4C | X | -5.73 | 1 |
| 68 | MP4C | Z | 3.309 | 1 |
| 69 | MP4C | Mx | -.002 | 1 |
| 70 | MP1C | X | -10.437 | 2.25 |
| 71 | MP1C | Z | 6.026 | 2.25 |
| 72 | MP1C | Mx | -.005 | 2.25 |
| 73 | MP4A | X | -10.437 | 2.25 |
| 74 | MP4A | Z | 6.026 | 2.25 |
| 75 | MP4A | Mx | -.005 | 2.25 |
| 76 | MP4B | X | -10.437 | 2.25 |
| 77 | MP4B | Z | 6.026 | 2.25 |
| 78 | MP4B | Mx | -.005 | 2.25 |
| 79 | MP3C | X | -9.261 | 2.25 |
| 80 | MP3C | Z | 5.347 | 2.25 |
| 81 | MP3C | Mx | -.005 | 2.25 |
| 82 | MP5A | X | -9.261 | 2.25 |
| 83 | MP5A | Z | 5.347 | 2.25 |
| 84 | MP5A | Mx | -.005 | 2.25 |
| 85 | MP5B | X | -9.261 | 2.25 |
| 86 | MP5B | Z | 5.347 | 2.25 |
| 87 | MP5B | Mx | -.005 | 2.25 |
| 88 | OVP | X | -23.283 | 1 |
| 89 | OVP | Z | 13.442 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | -4.061 | 2 |
| 92 | M38 | Z | 2.345 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | -4.081 | 2 |
| 2 | M38 | Z | 0 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | -4.081 | 2 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 5 | M38 | Z | 0 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | -15.897 | 1.75 |
| 8 | MP5A | Z | 0 | 1.75 |
| 9 | MP5A | Mx | .004 | 1.75 |
| 10 | MP5A | X | -15.897 | 3.75 |
| 11 | MP5A | Z | 0 | 3.75 |
| 12 | MP5A | Mx | .004 | 3.75 |
| 13 | MP5B | X | -9.141 | 1.75 |
| 14 | MP5B | Z | 0 | 1.75 |
| 15 | MP5B | Mx | .004 | 1.75 |
| 16 | MP5B | X | -9.141 | 3.75 |
| 17 | MP5B | Z | 0 | 3.75 |
| 18 | MP5B | Mx | .004 | 3.75 |
| 19 | MP5C | X | -10.561 | 1.75 |
| 20 | MP5C | Z | 0 | 1.75 |
| 21 | MP5C | Mx | -.005 | 1.75 |
| 22 | MP5C | X | -10.561 | 3.75 |
| 23 | MP5C | Z | 0 | 3.75 |
| 24 | MP5C | Mx | -.005 | 3.75 |
| 25 | MP1B | X | -23.831 | .25 |
| 26 | MP1B | Z | 0 | .25 |
| 27 | MP1B | Mx | .004 | .25 |
| 28 | MP1B | X | -23.831 | 5.25 |
| 29 | MP1B | Z | 0 | 5.25 |
| 30 | MP1B | Mx | .004 | 5.25 |
| 31 | MP1B | X | -23.831 | .25 |
| 32 | MP1B | Z | 0 | .25 |
| 33 | MP1B | Mx | .018 | .25 |
| 34 | MP1B | X | -23.831 | 5.25 |
| 35 | MP1B | Z | 0 | 5.25 |
| 36 | MP1B | Mx | .018 | 5.25 |
| 37 | MP3C | X | -26.745 | .25 |
| 38 | MP3C | Z | 0 | .25 |
| 39 | MP3C | Mx | -.000437 | .25 |
| 40 | MP3C | X | -26.745 | 5.25 |
| 41 | MP3C | Z | 0 | 5.25 |
| 42 | MP3C | Mx | -.000437 | 5.25 |
| 43 | MP3C | X | -26.745 | .25 |
| 44 | MP3C | Z | 0 | .25 |
| 45 | MP3C | Mx | -.023 | .25 |
| 46 | MP3C | X | -26.745 | 5.25 |
| 47 | MP3C | Z | 0 | 5.25 |
| 48 | MP3C | Mx | -.023 | 5.25 |
| 49 | MP2A | X | -32.146 | .25 |
| 50 | MP2A | Z | 0 | .25 |
| 51 | MP2A | Mx | .027 | .25 |
| 52 | MP2A | X | -32.146 | 5.25 |
| 53 | MP2A | Z | 0 | 5.25 |
| 54 | MP2A | Mx | .027 | 5.25 |
| 55 | MP2A | X | -32.146 | .25 |
| 56 | MP2A | Z | 0 | .25 |
| 57 | MP2A | Mx | -.011 | .25 |
| 58 | MP2A | X | -32.146 | 5.25 |
| 59 | MP2A | Z | 0 | 5.25 |
| 60 | MP2A | Mx | -.011 | 5.25 |
| 61 | MP3A | X | -6.617 | 1 |
| 62 | MP3A | Z | 0 | 1 |
| 63 | MP3A | Mx | .002 | 1 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 64 | MP3B | X | -3.012 | 1 |
| 65 | MP3B | Z | 0 | 1 |
| 66 | MP3B | Mx | .001 | 1 |
| 67 | MP4C | X | -3.77 | 1 |
| 68 | MP4C | Z | 0 | 1 |
| 69 | MP4C | Mx | -.002 | 1 |
| 70 | MP1C | X | -14.435 | 2.25 |
| 71 | MP1C | Z | 0 | 2.25 |
| 72 | MP1C | Mx | -.004 | 2.25 |
| 73 | MP4A | X | -14.435 | 2.25 |
| 74 | MP4A | Z | 0 | 2.25 |
| 75 | MP4A | Mx | -.004 | 2.25 |
| 76 | MP4B | X | -14.435 | 2.25 |
| 77 | MP4B | Z | 0 | 2.25 |
| 78 | MP4B | Mx | -.004 | 2.25 |
| 79 | MP3C | X | -13.982 | 2.25 |
| 80 | MP3C | Z | 0 | 2.25 |
| 81 | MP3C | Mx | -.003 | 2.25 |
| 82 | MP5A | X | -13.982 | 2.25 |
| 83 | MP5A | Z | 0 | 2.25 |
| 84 | MP5A | Mx | -.003 | 2.25 |
| 85 | MP5B | X | -13.982 | 2.25 |
| 86 | MP5B | Z | 0 | 2.25 |
| 87 | MP5B | Mx | -.003 | 2.25 |
| 88 | OVP | X | -30.395 | 1 |
| 89 | OVP | Z | 0 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | -4.081 | 2 |
| 92 | M38 | Z | 0 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | -3.27 | 2 |
| 2 | M38 | Z | -1.888 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | -3.27 | 2 |
| 5 | M38 | Z | -1.888 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | -16.078 | 1.75 |
| 8 | MP5A | Z | -9.282 | 1.75 |
| 9 | MP5A | Mx | 0 | 1.75 |
| 10 | MP5A | X | -16.078 | 3.75 |
| 11 | MP5A | Z | -9.282 | 3.75 |
| 12 | MP5A | Mx | 0 | 3.75 |
| 13 | MP5B | X | -7.114 | 1.75 |
| 14 | MP5B | Z | -4.107 | 1.75 |
| 15 | MP5B | Mx | .004 | 1.75 |
| 16 | MP5B | X | -7.114 | 3.75 |
| 17 | MP5B | Z | -4.107 | 3.75 |
| 18 | MP5B | Mx | .004 | 3.75 |
| 19 | MP5C | X | -6.835 | 1.75 |
| 20 | MP5C | Z | -3.946 | 1.75 |
| 21 | MP5C | Mx | -.004 | 1.75 |
| 22 | MP5C | X | -6.835 | 3.75 |
| 23 | MP5C | Z | -3.946 | 3.75 |
| 24 | MP5C | Mx | -.004 | 3.75 |
| 25 | MP1B | X | -18.991 | .25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 26 | MP1B | Z | -10.964 | .25 |
| 27 | MP1B | Mx | .014 | .25 |
| 28 | MP1B | X | -18.991 | 5.25 |
| 29 | MP1B | Z | -10.964 | 5.25 |
| 30 | MP1B | Mx | .014 | 5.25 |
| 31 | MP1B | X | -18.991 | .25 |
| 32 | MP1B | Z | -10.964 | .25 |
| 33 | MP1B | Mx | .008 | .25 |
| 34 | MP1B | X | -18.991 | 5.25 |
| 35 | MP1B | Z | -10.964 | 5.25 |
| 36 | MP1B | Mx | .008 | 5.25 |
| 37 | MP3C | X | -18.419 | .25 |
| 38 | MP3C | Z | -10.634 | .25 |
| 39 | MP3C | Mx | -.011 | .25 |
| 40 | MP3C | X | -18.419 | 5.25 |
| 41 | MP3C | Z | -10.634 | 5.25 |
| 42 | MP3C | Mx | -.011 | 5.25 |
| 43 | MP3C | X | -18.419 | .25 |
| 44 | MP3C | Z | -10.634 | .25 |
| 45 | MP3C | Mx | -.011 | .25 |
| 46 | MP3C | X | -18.419 | 5.25 |
| 47 | MP3C | Z | -10.634 | 5.25 |
| 48 | MP3C | Mx | -.011 | 5.25 |
| 49 | MP2A | X | -30.247 | .25 |
| 50 | MP2A | Z | -17.463 | .25 |
| 51 | MP2A | Mx | .023 | .25 |
| 52 | MP2A | X | -30.247 | 5.25 |
| 53 | MP2A | Z | -17.463 | 5.25 |
| 54 | MP2A | Mx | .023 | 5.25 |
| 55 | MP2A | X | -30.247 | .25 |
| 56 | MP2A | Z | -17.463 | .25 |
| 57 | MP2A | Mx | -.023 | .25 |
| 58 | MP2A | X | -30.247 | 5.25 |
| 59 | MP2A | Z | -17.463 | 5.25 |
| 60 | MP2A | Mx | -.023 | 5.25 |
| 61 | MP3A | X | -6.963 | 1 |
| 62 | MP3A | Z | -4.02 | 1 |
| 63 | MP3A | Mx | 0 | 1 |
| 64 | MP3B | X | -2.18 | 1 |
| 65 | MP3B | Z | -1.259 | 1 |
| 66 | MP3B | Mx | .001 | 1 |
| 67 | MP4C | X | -2.032 | 1 |
| 68 | MP4C | Z | -1.173 | 1 |
| 69 | MP4C | Mx | -.001 | 1 |
| 70 | MP1C | X | -13.533 | 2.25 |
| 71 | MP1C | Z | -7.813 | 2.25 |
| 72 | MP1C | Mx | 0 | 2.25 |
| 73 | MP4A | X | -13.533 | 2.25 |
| 74 | MP4A | Z | -7.813 | 2.25 |
| 75 | MP4A | Mx | 0 | 2.25 |
| 76 | MP4B | X | -13.533 | 2.25 |
| 77 | MP4B | Z | -7.813 | 2.25 |
| 78 | MP4B | Mx | 0 | 2.25 |
| 79 | MP3C | X | -13.533 | 2.25 |
| 80 | MP3C | Z | -7.813 | 2.25 |
| 81 | MP3C | Mx | 0 | 2.25 |
| 82 | MP5A | X | -13.533 | 2.25 |
| 83 | MP5A | Z | -7.813 | 2.25 |
| 84 | MP5A | Mx | 0 | 2.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft,%] |
|----|--------------|-----------|--------------------|----------------|
| 85 | MP5B | X | -13.533 | 2.25 |
| 86 | MP5B | Z | -7.813 | 2.25 |
| 87 | MP5B | Mx | 0 | 2.25 |
| 88 | OVP | X | -27.844 | 1 |
| 89 | OVP | Z | -16.076 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | -3.27 | 2 |
| 92 | M38 | Z | -1.888 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | -2.04 | 2 |
| 2 | M38 | Z | -3.534 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | -2.04 | 2 |
| 5 | M38 | Z | -3.534 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | -7.948 | 1.75 |
| 8 | MP5A | Z | -13.767 | 1.75 |
| 9 | MP5A | Mx | -.004 | 1.75 |
| 10 | MP5A | X | -7.948 | 3.75 |
| 11 | MP5A | Z | -13.767 | 3.75 |
| 12 | MP5A | Mx | -.004 | 3.75 |
| 13 | MP5B | X | -6.151 | 1.75 |
| 14 | MP5B | Z | -10.654 | 1.75 |
| 15 | MP5B | Mx | .005 | 1.75 |
| 16 | MP5B | X | -6.151 | 3.75 |
| 17 | MP5B | Z | -10.654 | 3.75 |
| 18 | MP5B | Mx | .005 | 3.75 |
| 19 | MP5C | X | -5.28 | 1.75 |
| 20 | MP5C | Z | -9.146 | 1.75 |
| 21 | MP5C | Mx | -.005 | 1.75 |
| 22 | MP5C | X | -5.28 | 3.75 |
| 23 | MP5C | Z | -9.146 | 3.75 |
| 24 | MP5C | Mx | -.005 | 3.75 |
| 25 | MP1B | X | -15.16 | .25 |
| 26 | MP1B | Z | -26.258 | .25 |
| 27 | MP1B | Mx | .028 | .25 |
| 28 | MP1B | X | -15.16 | 5.25 |
| 29 | MP1B | Z | -26.258 | 5.25 |
| 30 | MP1B | Mx | .028 | 5.25 |
| 31 | MP1B | X | -15.16 | .25 |
| 32 | MP1B | Z | -26.258 | .25 |
| 33 | MP1B | Mx | -.005 | .25 |
| 34 | MP1B | X | -15.16 | 5.25 |
| 35 | MP1B | Z | -26.258 | 5.25 |
| 36 | MP1B | Mx | -.005 | 5.25 |
| 37 | MP3C | X | -13.372 | .25 |
| 38 | MP3C | Z | -23.162 | .25 |
| 39 | MP3C | Mx | -.023 | .25 |
| 40 | MP3C | X | -13.372 | 5.25 |
| 41 | MP3C | Z | -23.162 | 5.25 |
| 42 | MP3C | Mx | -.023 | 5.25 |
| 43 | MP3C | X | -13.372 | .25 |
| 44 | MP3C | Z | -23.162 | .25 |
| 45 | MP3C | Mx | -.000437 | .25 |
| 46 | MP3C | X | -13.372 | 5.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 47 | MP3C | Z | -23.162 | 5.25 |
| 48 | MP3C | Mx | -.000437 | 5.25 |
| 49 | MP2A | X | -16.073 | .25 |
| 50 | MP2A | Z | -27.839 | .25 |
| 51 | MP2A | Mx | .011 | .25 |
| 52 | MP2A | X | -16.073 | 5.25 |
| 53 | MP2A | Z | -27.839 | 5.25 |
| 54 | MP2A | Mx | .011 | 5.25 |
| 55 | MP2A | X | -16.073 | .25 |
| 56 | MP2A | Z | -27.839 | .25 |
| 57 | MP2A | Mx | -.027 | .25 |
| 58 | MP2A | X | -16.073 | 5.25 |
| 59 | MP2A | Z | -27.839 | 5.25 |
| 60 | MP2A | Mx | -.027 | 5.25 |
| 61 | MP3A | X | -3.309 | 1 |
| 62 | MP3A | Z | -5.73 | 1 |
| 63 | MP3A | Mx | -.002 | 1 |
| 64 | MP3B | X | -2.349 | 1 |
| 65 | MP3B | Z | -4.069 | 1 |
| 66 | MP3B | Mx | .002 | 1 |
| 67 | MP4C | X | -1.885 | 1 |
| 68 | MP4C | Z | -3.265 | 1 |
| 69 | MP4C | Mx | -.002 | 1 |
| 70 | MP1C | X | -7.218 | 2.25 |
| 71 | MP1C | Z | -12.501 | 2.25 |
| 72 | MP1C | Mx | .004 | 2.25 |
| 73 | MP4A | X | -7.218 | 2.25 |
| 74 | MP4A | Z | -12.501 | 2.25 |
| 75 | MP4A | Mx | .004 | 2.25 |
| 76 | MP4B | X | -7.218 | 2.25 |
| 77 | MP4B | Z | -12.501 | 2.25 |
| 78 | MP4B | Mx | .004 | 2.25 |
| 79 | MP3C | X | -6.991 | 2.25 |
| 80 | MP3C | Z | -12.109 | 2.25 |
| 81 | MP3C | Mx | .003 | 2.25 |
| 82 | MP5A | X | -6.991 | 2.25 |
| 83 | MP5A | Z | -12.109 | 2.25 |
| 84 | MP5A | Mx | .003 | 2.25 |
| 85 | MP5B | X | -6.991 | 2.25 |
| 86 | MP5B | Z | -12.109 | 2.25 |
| 87 | MP5B | Mx | .003 | 2.25 |
| 88 | OVP | X | -15.198 | 1 |
| 89 | OVP | Z | -26.323 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | -2.04 | 2 |
| 92 | M38 | Z | -3.534 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | 0 | 2 |
| 2 | M38 | Z | -1.203 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | 0 | 2 |
| 5 | M38 | Z | -1.203 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | 0 | 1.75 |
| 8 | MP5A | Z | -2.515 | 1.75 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 9 | MP5A | Mx | -.001 | 1.75 |
| 10 | MP5A | X | 0 | 3.75 |
| 11 | MP5A | Z | -2.515 | 3.75 |
| 12 | MP5A | Mx | -.001 | 3.75 |
| 13 | MP5B | X | 0 | 1.75 |
| 14 | MP5B | Z | -4.568 | 1.75 |
| 15 | MP5B | Mx | .000781 | 1.75 |
| 16 | MP5B | X | 0 | 3.75 |
| 17 | MP5B | Z | -4.568 | 3.75 |
| 18 | MP5B | Mx | .000781 | 3.75 |
| 19 | MP5C | X | 0 | 1.75 |
| 20 | MP5C | Z | -4.136 | 1.75 |
| 21 | MP5C | Mx | -.001 | 1.75 |
| 22 | MP5C | X | 0 | 3.75 |
| 23 | MP5C | Z | -4.136 | 3.75 |
| 24 | MP5C | Mx | -.001 | 3.75 |
| 25 | MP1B | X | 0 | .25 |
| 26 | MP1B | Z | -13.485 | .25 |
| 27 | MP1B | Mx | .013 | .25 |
| 28 | MP1B | X | 0 | 5.25 |
| 29 | MP1B | Z | -13.485 | 5.25 |
| 30 | MP1B | Mx | .013 | 5.25 |
| 31 | MP1B | X | 0 | .25 |
| 32 | MP1B | Z | -13.485 | .25 |
| 33 | MP1B | Mx | -.008 | .25 |
| 34 | MP1B | X | 0 | 5.25 |
| 35 | MP1B | Z | -13.485 | 5.25 |
| 36 | MP1B | Mx | -.008 | 5.25 |
| 37 | MP3C | X | 0 | .25 |
| 38 | MP3C | Z | -12.458 | .25 |
| 39 | MP3C | Mx | -.012 | .25 |
| 40 | MP3C | X | 0 | 5.25 |
| 41 | MP3C | Z | -12.458 | 5.25 |
| 42 | MP3C | Mx | -.012 | 5.25 |
| 43 | MP3C | X | 0 | .25 |
| 44 | MP3C | Z | -12.458 | .25 |
| 45 | MP3C | Mx | .006 | .25 |
| 46 | MP3C | X | 0 | 5.25 |
| 47 | MP3C | Z | -12.458 | 5.25 |
| 48 | MP3C | Mx | .006 | 5.25 |
| 49 | MP2A | X | 0 | .25 |
| 50 | MP2A | Z | -8.538 | .25 |
| 51 | MP2A | Mx | -.000851 | .25 |
| 52 | MP2A | X | 0 | 5.25 |
| 53 | MP2A | Z | -8.538 | 5.25 |
| 54 | MP2A | Mx | -.000851 | 5.25 |
| 55 | MP2A | X | 0 | .25 |
| 56 | MP2A | Z | -8.538 | .25 |
| 57 | MP2A | Mx | -.007 | .25 |
| 58 | MP2A | X | 0 | 5.25 |
| 59 | MP2A | Z | -8.538 | 5.25 |
| 60 | MP2A | Mx | -.007 | 5.25 |
| 61 | MP3A | X | 0 | 1 |
| 62 | MP3A | Z | -.892 | 1 |
| 63 | MP3A | Mx | -.000386 | 1 |
| 64 | MP3B | X | 0 | 1 |
| 65 | MP3B | Z | -2.035 | 1 |
| 66 | MP3B | Mx | .000348 | 1 |
| 67 | MP4C | X | 0 | 1 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft,%] |
|----|--------------|-----------|--------------------|----------------|
| 68 | MP4C | Z | -1.795 | 1 |
| 69 | MP4C | Mx | -.000449 | 1 |
| 70 | MP1C | X | 0 | 2.25 |
| 71 | MP1C | Z | -2.947 | 2.25 |
| 72 | MP1C | Mx | .001 | 2.25 |
| 73 | MP4A | X | 0 | 2.25 |
| 74 | MP4A | Z | -2.947 | 2.25 |
| 75 | MP4A | Mx | .001 | 2.25 |
| 76 | MP4B | X | 0 | 2.25 |
| 77 | MP4B | Z | -2.947 | 2.25 |
| 78 | MP4B | Mx | .001 | 2.25 |
| 79 | MP3C | X | 0 | 2.25 |
| 80 | MP3C | Z | -2.587 | 2.25 |
| 81 | MP3C | Mx | .001 | 2.25 |
| 82 | MP5A | X | 0 | 2.25 |
| 83 | MP5A | Z | -2.587 | 2.25 |
| 84 | MP5A | Mx | .001 | 2.25 |
| 85 | MP5B | X | 0 | 2.25 |
| 86 | MP5B | Z | -2.587 | 2.25 |
| 87 | MP5B | Mx | .001 | 2.25 |
| 88 | OVP | X | 0 | 1 |
| 89 | OVP | Z | -6.563 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | 0 | 2 |
| 92 | M38 | Z | -1.203 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | .646 | 2 |
| 2 | M38 | Z | -1.119 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | .646 | 2 |
| 5 | M38 | Z | -1.119 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | .852 | 1.75 |
| 8 | MP5A | Z | -1.476 | 1.75 |
| 9 | MP5A | Mx | -.000852 | 1.75 |
| 10 | MP5A | X | .852 | 3.75 |
| 11 | MP5A | Z | -1.476 | 3.75 |
| 12 | MP5A | Mx | -.000852 | 3.75 |
| 13 | MP5B | X | 2.425 | 1.75 |
| 14 | MP5B | Z | -4.2 | 1.75 |
| 15 | MP5B | Mx | -.000421 | 1.75 |
| 16 | MP5B | X | 2.425 | 3.75 |
| 17 | MP5B | Z | -4.2 | 3.75 |
| 18 | MP5B | Mx | -.000421 | 3.75 |
| 19 | MP5C | X | 2.474 | 1.75 |
| 20 | MP5C | Z | -4.285 | 1.75 |
| 21 | MP5C | Mx | 0 | 1.75 |
| 22 | MP5C | X | 2.474 | 3.75 |
| 23 | MP5C | Z | -4.285 | 3.75 |
| 24 | MP5C | Mx | 0 | 3.75 |
| 25 | MP1B | X | 7.077 | .25 |
| 26 | MP1B | Z | -12.259 | .25 |
| 27 | MP1B | Mx | .01 | .25 |
| 28 | MP1B | X | 7.077 | 5.25 |
| 29 | MP1B | Z | -12.259 | 5.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 30 | MP1B | Mx | .01 | 5.25 |
| 31 | MP1B | X | 7.077 | .25 |
| 32 | MP1B | Z | -12.259 | .25 |
| 33 | MP1B | Mx | -.013 | .25 |
| 34 | MP1B | X | 7.077 | 5.25 |
| 35 | MP1B | Z | -12.259 | 5.25 |
| 36 | MP1B | Mx | -.013 | 5.25 |
| 37 | MP3C | X | 7.194 | .25 |
| 38 | MP3C | Z | -12.46 | .25 |
| 39 | MP3C | Mx | -.012 | .25 |
| 40 | MP3C | X | 7.194 | 5.25 |
| 41 | MP3C | Z | -12.46 | 5.25 |
| 42 | MP3C | Mx | -.012 | 5.25 |
| 43 | MP3C | X | 7.194 | .25 |
| 44 | MP3C | Z | -12.46 | .25 |
| 45 | MP3C | Mx | .012 | .25 |
| 46 | MP3C | X | 7.194 | 5.25 |
| 47 | MP3C | Z | -12.46 | 5.25 |
| 48 | MP3C | Mx | .012 | 5.25 |
| 49 | MP2A | X | 3.776 | .25 |
| 50 | MP2A | Z | -6.54 | .25 |
| 51 | MP2A | Mx | -.004 | .25 |
| 52 | MP2A | X | 3.776 | 5.25 |
| 53 | MP2A | Z | -6.54 | 5.25 |
| 54 | MP2A | Mx | -.004 | 5.25 |
| 55 | MP2A | X | 3.776 | .25 |
| 56 | MP2A | Z | -6.54 | .25 |
| 57 | MP2A | Mx | -.004 | .25 |
| 58 | MP2A | X | 3.776 | 5.25 |
| 59 | MP2A | Z | -6.54 | 5.25 |
| 60 | MP2A | Mx | -.004 | 5.25 |
| 61 | MP3A | X | .22 | 1 |
| 62 | MP3A | Z | -.382 | 1 |
| 63 | MP3A | Mx | -.00022 | 1 |
| 64 | MP3B | X | 1.096 | 1 |
| 65 | MP3B | Z | -1.898 | 1 |
| 66 | MP3B | Mx | -.00019 | 1 |
| 67 | MP4C | X | 1.123 | 1 |
| 68 | MP4C | Z | -1.946 | 1 |
| 69 | MP4C | Mx | 0 | 1 |
| 70 | MP1C | X | 1.313 | 2.25 |
| 71 | MP1C | Z | -2.273 | 2.25 |
| 72 | MP1C | Mx | .001 | 2.25 |
| 73 | MP4A | X | 1.313 | 2.25 |
| 74 | MP4A | Z | -2.273 | 2.25 |
| 75 | MP4A | Mx | .001 | 2.25 |
| 76 | MP4B | X | 1.313 | 2.25 |
| 77 | MP4B | Z | -2.273 | 2.25 |
| 78 | MP4B | Mx | .001 | 2.25 |
| 79 | MP3C | X | 1.073 | 2.25 |
| 80 | MP3C | Z | -1.858 | 2.25 |
| 81 | MP3C | Mx | .001 | 2.25 |
| 82 | MP5A | X | 1.073 | 2.25 |
| 83 | MP5A | Z | -1.858 | 2.25 |
| 84 | MP5A | Mx | .001 | 2.25 |
| 85 | MP5B | X | 1.073 | 2.25 |
| 86 | MP5B | Z | -1.858 | 2.25 |
| 87 | MP5B | Mx | .001 | 2.25 |
| 88 | OVP | X | 3.042 | 1 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 89 | OVP | Z | -5.268 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | .646 | 2 |
| 92 | M38 | Z | -1.119 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 1 | M38 | X | 1.042 | 2 |
| 2 | M38 | Z | -.601 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | 1.042 | 2 |
| 5 | M38 | Z | -.601 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | 2.178 | 1.75 |
| 8 | MP5A | Z | -1.257 | 1.75 |
| 9 | MP5A | Mx | -.001 | 1.75 |
| 10 | MP5A | X | 2.178 | 3.75 |
| 11 | MP5A | Z | -1.257 | 3.75 |
| 12 | MP5A | Mx | -.001 | 3.75 |
| 13 | MP5B | X | 3.124 | 1.75 |
| 14 | MP5B | Z | -1.804 | 1.75 |
| 15 | MP5B | Mx | -.001 | 1.75 |
| 16 | MP5B | X | 3.124 | 3.75 |
| 17 | MP5B | Z | -1.804 | 3.75 |
| 18 | MP5B | Mx | -.001 | 3.75 |
| 19 | MP5C | X | 3.582 | 1.75 |
| 20 | MP5C | Z | -2.068 | 1.75 |
| 21 | MP5C | Mx | .001 | 1.75 |
| 22 | MP5C | X | 3.582 | 3.75 |
| 23 | MP5C | Z | -2.068 | 3.75 |
| 24 | MP5C | Mx | .001 | 3.75 |
| 25 | MP1B | X | 9.698 | .25 |
| 26 | MP1B | Z | -5.599 | .25 |
| 27 | MP1B | Mx | .004 | .25 |
| 28 | MP1B | X | 9.698 | 5.25 |
| 29 | MP1B | Z | -5.599 | 5.25 |
| 30 | MP1B | Mx | .004 | 5.25 |
| 31 | MP1B | X | 9.698 | .25 |
| 32 | MP1B | Z | -5.599 | .25 |
| 33 | MP1B | Mx | -.011 | .25 |
| 34 | MP1B | X | 9.698 | 5.25 |
| 35 | MP1B | Z | -5.599 | 5.25 |
| 36 | MP1B | Mx | -.011 | 5.25 |
| 37 | MP3C | X | 10.789 | .25 |
| 38 | MP3C | Z | -6.229 | .25 |
| 39 | MP3C | Mx | -.006 | .25 |
| 40 | MP3C | X | 10.789 | 5.25 |
| 41 | MP3C | Z | -6.229 | 5.25 |
| 42 | MP3C | Mx | -.006 | 5.25 |
| 43 | MP3C | X | 10.789 | .25 |
| 44 | MP3C | Z | -6.229 | .25 |
| 45 | MP3C | Mx | .012 | .25 |
| 46 | MP3C | X | 10.789 | 5.25 |
| 47 | MP3C | Z | -6.229 | 5.25 |
| 48 | MP3C | Mx | .012 | 5.25 |
| 49 | MP2A | X | 7.394 | .25 |
| 50 | MP2A | Z | -4.269 | .25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 51 | MP2A | Mx | -.007 | .25 |
| 52 | MP2A | X | 7.394 | 5.25 |
| 53 | MP2A | Z | -4.269 | 5.25 |
| 54 | MP2A | Mx | -.007 | 5.25 |
| 55 | MP2A | X | 7.394 | .25 |
| 56 | MP2A | Z | -4.269 | .25 |
| 57 | MP2A | Mx | -.000851 | .25 |
| 58 | MP2A | X | 7.394 | 5.25 |
| 59 | MP2A | Z | -4.269 | 5.25 |
| 60 | MP2A | Mx | -.000851 | 5.25 |
| 61 | MP3A | X | .773 | 1 |
| 62 | MP3A | Z | -.446 | 1 |
| 63 | MP3A | Mx | -.000386 | 1 |
| 64 | MP3B | X | 1.299 | 1 |
| 65 | MP3B | Z | -.75 | 1 |
| 66 | MP3B | Mx | -.000482 | 1 |
| 67 | MP4C | X | 1.555 | 1 |
| 68 | MP4C | Z | -.898 | 1 |
| 69 | MP4C | Mx | .000449 | 1 |
| 70 | MP1C | X | 2.552 | 2.25 |
| 71 | MP1C | Z | -1.473 | 2.25 |
| 72 | MP1C | Mx | .001 | 2.25 |
| 73 | MP4A | X | 2.552 | 2.25 |
| 74 | MP4A | Z | -1.473 | 2.25 |
| 75 | MP4A | Mx | .001 | 2.25 |
| 76 | MP4B | X | 2.552 | 2.25 |
| 77 | MP4B | Z | -1.473 | 2.25 |
| 78 | MP4B | Mx | .001 | 2.25 |
| 79 | MP3C | X | 2.241 | 2.25 |
| 80 | MP3C | Z | -1.294 | 2.25 |
| 81 | MP3C | Mx | .001 | 2.25 |
| 82 | MP5A | X | 2.241 | 2.25 |
| 83 | MP5A | Z | -1.294 | 2.25 |
| 84 | MP5A | Mx | .001 | 2.25 |
| 85 | MP5B | X | 2.241 | 2.25 |
| 86 | MP5B | Z | -1.294 | 2.25 |
| 87 | MP5B | Mx | .001 | 2.25 |
| 88 | OVP | X | 5.684 | 1 |
| 89 | OVP | Z | -3.281 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | 1.024 | 2 |
| 92 | M38 | Z | -.601 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | 1.024 | 2 |
| 2 | M38 | Z | 0 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | 1.024 | 2 |
| 5 | M38 | Z | 0 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | 4.136 | 1.75 |
| 8 | MP5A | Z | 0 | 1.75 |
| 9 | MP5A | Mx | -.001 | 1.75 |
| 10 | MP5A | X | 4.136 | 3.75 |
| 11 | MP5A | Z | 0 | 3.75 |
| 12 | MP5A | Mx | -.001 | 3.75 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 13 | MP5B | X | 2.083 | 1.75 |
| 14 | MP5B | Z | 0 | 1.75 |
| 15 | MP5B | Mx | -.000979 | 1.75 |
| 16 | MP5B | X | 2.083 | 3.75 |
| 17 | MP5B | Z | 0 | 3.75 |
| 18 | MP5B | Mx | -.000979 | 3.75 |
| 19 | MP5C | X | 2.515 | 1.75 |
| 20 | MP5C | Z | 0 | 1.75 |
| 21 | MP5C | Mx | .001 | 1.75 |
| 22 | MP5C | X | 2.515 | 3.75 |
| 23 | MP5C | Z | 0 | 3.75 |
| 24 | MP5C | Mx | .001 | 3.75 |
| 25 | MP1B | X | 7.571 | .25 |
| 26 | MP1B | Z | 0 | .25 |
| 27 | MP1B | Mx | -.001 | .25 |
| 28 | MP1B | X | 7.571 | 5.25 |
| 29 | MP1B | Z | 0 | 5.25 |
| 30 | MP1B | Mx | -.001 | 5.25 |
| 31 | MP1B | X | 7.571 | .25 |
| 32 | MP1B | Z | 0 | .25 |
| 33 | MP1B | Mx | -.006 | .25 |
| 34 | MP1B | X | 7.571 | 5.25 |
| 35 | MP1B | Z | 0 | 5.25 |
| 36 | MP1B | Mx | -.006 | 5.25 |
| 37 | MP3C | X | 8.598 | .25 |
| 38 | MP3C | Z | 0 | .25 |
| 39 | MP3C | Mx | .000141 | .25 |
| 40 | MP3C | X | 8.598 | 5.25 |
| 41 | MP3C | Z | 0 | 5.25 |
| 42 | MP3C | Mx | .000141 | 5.25 |
| 43 | MP3C | X | 8.598 | .25 |
| 44 | MP3C | Z | 0 | .25 |
| 45 | MP3C | Mx | .007 | .25 |
| 46 | MP3C | X | 8.598 | 5.25 |
| 47 | MP3C | Z | 0 | 5.25 |
| 48 | MP3C | Mx | .007 | 5.25 |
| 49 | MP2A | X | 10.511 | .25 |
| 50 | MP2A | Z | 0 | .25 |
| 51 | MP2A | Mx | -.009 | .25 |
| 52 | MP2A | X | 10.511 | 5.25 |
| 53 | MP2A | Z | 0 | 5.25 |
| 54 | MP2A | Mx | -.009 | 5.25 |
| 55 | MP2A | X | 10.511 | .25 |
| 56 | MP2A | Z | 0 | .25 |
| 57 | MP2A | Mx | .003 | .25 |
| 58 | MP2A | X | 10.511 | 5.25 |
| 59 | MP2A | Z | 0 | 5.25 |
| 60 | MP2A | Mx | .003 | 5.25 |
| 61 | MP3A | X | 1.795 | 1 |
| 62 | MP3A | Z | 0 | 1 |
| 63 | MP3A | Mx | -.000449 | 1 |
| 64 | MP3B | X | .652 | 1 |
| 65 | MP3B | Z | 0 | 1 |
| 66 | MP3B | Mx | -.000306 | 1 |
| 67 | MP4C | X | .892 | 1 |
| 68 | MP4C | Z | 0 | 1 |
| 69 | MP4C | Mx | .000386 | 1 |
| 70 | MP1C | X | 3.591 | 2.25 |
| 71 | MP1C | Z | 0 | 2.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 72 | MP1C | Mx | .000898 | 2.25 |
| 73 | MP4A | X | 3.591 | 2.25 |
| 74 | MP4A | Z | 0 | 2.25 |
| 75 | MP4A | Mx | .000898 | 2.25 |
| 76 | MP4B | X | 3.591 | 2.25 |
| 77 | MP4B | Z | 0 | 2.25 |
| 78 | MP4B | Mx | .000898 | 2.25 |
| 79 | MP3C | X | 3.471 | 2.25 |
| 80 | MP3C | Z | 0 | 2.25 |
| 81 | MP3C | Mx | .000868 | 2.25 |
| 82 | MP5A | X | 3.471 | 2.25 |
| 83 | MP5A | Z | 0 | 2.25 |
| 84 | MP5A | Mx | .000868 | 2.25 |
| 85 | MP5B | X | 3.471 | 2.25 |
| 86 | MP5B | Z | 0 | 2.25 |
| 87 | MP5B | Mx | .000868 | 2.25 |
| 88 | OVP | X | 7.522 | 1 |
| 89 | OVP | Z | 0 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | 1.024 | 2 |
| 92 | M38 | Z | 0 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | .809 | 2 |
| 2 | M38 | Z | .467 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | .809 | 2 |
| 5 | M38 | Z | .467 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | 4.285 | 1.75 |
| 8 | MP5A | Z | 2.474 | 1.75 |
| 9 | MP5A | Mx | 0 | 1.75 |
| 10 | MP5A | X | 4.285 | 3.75 |
| 11 | MP5A | Z | 2.474 | 3.75 |
| 12 | MP5A | Mx | 0 | 3.75 |
| 13 | MP5B | X | 1.56 | 1.75 |
| 14 | MP5B | Z | .901 | 1.75 |
| 15 | MP5B | Mx | -.000887 | 1.75 |
| 16 | MP5B | X | 1.56 | 3.75 |
| 17 | MP5B | Z | .901 | 3.75 |
| 18 | MP5B | Mx | -.000887 | 3.75 |
| 19 | MP5C | X | 1.476 | 1.75 |
| 20 | MP5C | Z | .852 | 1.75 |
| 21 | MP5C | Mx | .000852 | 1.75 |
| 22 | MP5C | X | 1.476 | 3.75 |
| 23 | MP5C | Z | .852 | 3.75 |
| 24 | MP5C | Mx | .000852 | 3.75 |
| 25 | MP1B | X | 5.976 | .25 |
| 26 | MP1B | Z | 3.45 | .25 |
| 27 | MP1B | Mx | -.004 | .25 |
| 28 | MP1B | X | 5.976 | 5.25 |
| 29 | MP1B | Z | 3.45 | 5.25 |
| 30 | MP1B | Mx | -.004 | 5.25 |
| 31 | MP1B | X | 5.976 | .25 |
| 32 | MP1B | Z | 3.45 | .25 |
| 33 | MP1B | Mx | -.002 | .25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 34 | MP1B | X | 5.976 | 5.25 |
| 35 | MP1B | Z | 3.45 | 5.25 |
| 36 | MP1B | Mx | -.002 | 5.25 |
| 37 | MP3C | X | 5.775 | .25 |
| 38 | MP3C | Z | 3.334 | .25 |
| 39 | MP3C | Mx | .003 | .25 |
| 40 | MP3C | X | 5.775 | 5.25 |
| 41 | MP3C | Z | 3.334 | 5.25 |
| 42 | MP3C | Mx | .003 | 5.25 |
| 43 | MP3C | X | 5.775 | .25 |
| 44 | MP3C | Z | 3.334 | .25 |
| 45 | MP3C | Mx | .003 | .25 |
| 46 | MP3C | X | 5.775 | 5.25 |
| 47 | MP3C | Z | 3.334 | 5.25 |
| 48 | MP3C | Mx | .003 | 5.25 |
| 49 | MP2A | X | 9.957 | .25 |
| 50 | MP2A | Z | 5.749 | .25 |
| 51 | MP2A | Mx | -.008 | .25 |
| 52 | MP2A | X | 9.957 | 5.25 |
| 53 | MP2A | Z | 5.749 | 5.25 |
| 54 | MP2A | Mx | -.008 | 5.25 |
| 55 | MP2A | X | 9.957 | .25 |
| 56 | MP2A | Z | 5.749 | .25 |
| 57 | MP2A | Mx | .008 | .25 |
| 58 | MP2A | X | 9.957 | 5.25 |
| 59 | MP2A | Z | 5.749 | 5.25 |
| 60 | MP2A | Mx | .008 | 5.25 |
| 61 | MP3A | X | 1.946 | 1 |
| 62 | MP3A | Z | 1.123 | 1 |
| 63 | MP3A | Mx | 0 | 1 |
| 64 | MP3B | X | .429 | 1 |
| 65 | MP3B | Z | .248 | 1 |
| 66 | MP3B | Mx | -.000244 | 1 |
| 67 | MP4C | X | .382 | 1 |
| 68 | MP4C | Z | .22 | 1 |
| 69 | MP4C | Mx | .00022 | 1 |
| 70 | MP1C | X | 3.388 | 2.25 |
| 71 | MP1C | Z | 1.956 | 2.25 |
| 72 | MP1C | Mx | 0 | 2.25 |
| 73 | MP4A | X | 3.388 | 2.25 |
| 74 | MP4A | Z | 1.956 | 2.25 |
| 75 | MP4A | Mx | 0 | 2.25 |
| 76 | MP4B | X | 3.388 | 2.25 |
| 77 | MP4B | Z | 1.956 | 2.25 |
| 78 | MP4B | Mx | 0 | 2.25 |
| 79 | MP3C | X | 3.388 | 2.25 |
| 80 | MP3C | Z | 1.956 | 2.25 |
| 81 | MP3C | Mx | 0 | 2.25 |
| 82 | MP5A | X | 3.388 | 2.25 |
| 83 | MP5A | Z | 1.956 | 2.25 |
| 84 | MP5A | Mx | 0 | 2.25 |
| 85 | MP5B | X | 3.388 | 2.25 |
| 86 | MP5B | Z | 1.956 | 2.25 |
| 87 | MP5B | Mx | 0 | 2.25 |
| 88 | OVP | X | 6.93 | 1 |
| 89 | OVP | Z | 4.001 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | .809 | 2 |
| 92 | M38 | Z | .467 | 2 |



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

| Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|--------------|-----------|--------------------|-----------------|
| 93 M38 | Mx | 0 | 2 |

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

| Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|--------------|-----------|--------------------|-----------------|
| 1 M38 | X | .512 | 2 |
| 2 M38 | Z | .886 | 2 |
| 3 M38 | Mx | 0 | 2 |
| 4 M38 | X | .512 | 2 |
| 5 M38 | Z | .886 | 2 |
| 6 M38 | Mx | 0 | 2 |
| 7 MP5A | X | 2.068 | 1.75 |
| 8 MP5A | Z | 3.582 | 1.75 |
| 9 MP5A | Mx | .001 | 1.75 |
| 10 MP5A | X | 2.068 | 3.75 |
| 11 MP5A | Z | 3.582 | 3.75 |
| 12 MP5A | Mx | .001 | 3.75 |
| 13 MP5B | X | 1.522 | 1.75 |
| 14 MP5B | Z | 2.636 | 1.75 |
| 15 MP5B | Mx | -.001 | 1.75 |
| 16 MP5B | X | 1.522 | 3.75 |
| 17 MP5B | Z | 2.636 | 3.75 |
| 18 MP5B | Mx | -.001 | 3.75 |
| 19 MP5C | X | 1.257 | 1.75 |
| 20 MP5C | Z | 2.178 | 1.75 |
| 21 MP5C | Mx | .001 | 1.75 |
| 22 MP5C | X | 1.257 | 3.75 |
| 23 MP5C | Z | 2.178 | 3.75 |
| 24 MP5C | Mx | .001 | 3.75 |
| 25 MP1B | X | 4.929 | .25 |
| 26 MP1B | Z | 8.537 | .25 |
| 27 MP1B | Mx | -.009 | .25 |
| 28 MP1B | X | 4.929 | 5.25 |
| 29 MP1B | Z | 8.537 | 5.25 |
| 30 MP1B | Mx | -.009 | 5.25 |
| 31 MP1B | X | 4.929 | .25 |
| 32 MP1B | Z | 8.537 | .25 |
| 33 MP1B | Mx | .002 | .25 |
| 34 MP1B | X | 4.929 | 5.25 |
| 35 MP1B | Z | 8.537 | 5.25 |
| 36 MP1B | Mx | .002 | 5.25 |
| 37 MP3C | X | 4.299 | .25 |
| 38 MP3C | Z | 7.446 | .25 |
| 39 MP3C | Mx | .007 | .25 |
| 40 MP3C | X | 4.299 | 5.25 |
| 41 MP3C | Z | 7.446 | 5.25 |
| 42 MP3C | Mx | .007 | 5.25 |
| 43 MP3C | X | 4.299 | .25 |
| 44 MP3C | Z | 7.446 | .25 |
| 45 MP3C | Mx | .000141 | .25 |
| 46 MP3C | X | 4.299 | 5.25 |
| 47 MP3C | Z | 7.446 | 5.25 |
| 48 MP3C | Mx | .000141 | 5.25 |
| 49 MP2A | X | 5.256 | .25 |
| 50 MP2A | Z | 9.103 | .25 |
| 51 MP2A | Mx | -.003 | .25 |
| 52 MP2A | X | 5.256 | 5.25 |
| 53 MP2A | Z | 9.103 | 5.25 |
| 54 MP2A | Mx | -.003 | 5.25 |



Company :
 Designer :
 Job Number :
 Model Name :

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 55 | MP2A | X | 5.256 | .25 |
| 56 | MP2A | Z | 9.103 | .25 |
| 57 | MP2A | Mx | .009 | .25 |
| 58 | MP2A | X | 5.256 | 5.25 |
| 59 | MP2A | Z | 9.103 | 5.25 |
| 60 | MP2A | Mx | .009 | 5.25 |
| 61 | MP3A | X | .898 | 1 |
| 62 | MP3A | Z | 1.555 | 1 |
| 63 | MP3A | Mx | .000449 | 1 |
| 64 | MP3B | X | .593 | 1 |
| 65 | MP3B | Z | 1.028 | 1 |
| 66 | MP3B | Mx | -.000454 | 1 |
| 67 | MP4C | X | .446 | 1 |
| 68 | MP4C | Z | .773 | 1 |
| 69 | MP4C | Mx | .000386 | 1 |
| 70 | MP1C | X | 1.795 | 2.25 |
| 71 | MP1C | Z | 3.11 | 2.25 |
| 72 | MP1C | Mx | -.000898 | 2.25 |
| 73 | MP4A | X | 1.795 | 2.25 |
| 74 | MP4A | Z | 3.11 | 2.25 |
| 75 | MP4A | Mx | -.000898 | 2.25 |
| 76 | MP4B | X | 1.795 | 2.25 |
| 77 | MP4B | Z | 3.11 | 2.25 |
| 78 | MP4B | Mx | -.000898 | 2.25 |
| 79 | MP3C | X | 1.735 | 2.25 |
| 80 | MP3C | Z | 3.006 | 2.25 |
| 81 | MP3C | Mx | -.000868 | 2.25 |
| 82 | MP5A | X | 1.735 | 2.25 |
| 83 | MP5A | Z | 3.006 | 2.25 |
| 84 | MP5A | Mx | -.000868 | 2.25 |
| 85 | MP5B | X | 1.735 | 2.25 |
| 86 | MP5B | Z | 3.006 | 2.25 |
| 87 | MP5B | Mx | -.000868 | 2.25 |
| 88 | OVP | X | 3.761 | 1 |
| 89 | OVP | Z | 6.514 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | .512 | 2 |
| 92 | M38 | Z | .886 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | 0 | 2 |
| 2 | M38 | Z | 1.203 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | 0 | 2 |
| 5 | M38 | Z | 1.203 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | 0 | 1.75 |
| 8 | MP5A | Z | 2.515 | 1.75 |
| 9 | MP5A | Mx | .001 | 1.75 |
| 10 | MP5A | X | 0 | 3.75 |
| 11 | MP5A | Z | 2.515 | 3.75 |
| 12 | MP5A | Mx | .001 | 3.75 |
| 13 | MP5B | X | 0 | 1.75 |
| 14 | MP5B | Z | 4.568 | 1.75 |
| 15 | MP5B | Mx | -.000781 | 1.75 |
| 16 | MP5B | X | 0 | 3.75 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 17 | MP5B | Z | 4.568 | 3.75 |
| 18 | MP5B | Mx | -.000781 | 3.75 |
| 19 | MP5C | X | 0 | 1.75 |
| 20 | MP5C | Z | 4.136 | 1.75 |
| 21 | MP5C | Mx | .001 | 1.75 |
| 22 | MP5C | X | 0 | 3.75 |
| 23 | MP5C | Z | 4.136 | 3.75 |
| 24 | MP5C | Mx | .001 | 3.75 |
| 25 | MP1B | X | 0 | .25 |
| 26 | MP1B | Z | 13.485 | .25 |
| 27 | MP1B | Mx | -.013 | .25 |
| 28 | MP1B | X | 0 | 5.25 |
| 29 | MP1B | Z | 13.485 | 5.25 |
| 30 | MP1B | Mx | -.013 | 5.25 |
| 31 | MP1B | X | 0 | .25 |
| 32 | MP1B | Z | 13.485 | .25 |
| 33 | MP1B | Mx | .008 | .25 |
| 34 | MP1B | X | 0 | 5.25 |
| 35 | MP1B | Z | 13.485 | 5.25 |
| 36 | MP1B | Mx | .008 | 5.25 |
| 37 | MP3C | X | 0 | .25 |
| 38 | MP3C | Z | 12.458 | .25 |
| 39 | MP3C | Mx | .012 | .25 |
| 40 | MP3C | X | 0 | 5.25 |
| 41 | MP3C | Z | 12.458 | 5.25 |
| 42 | MP3C | Mx | .012 | 5.25 |
| 43 | MP3C | X | 0 | .25 |
| 44 | MP3C | Z | 12.458 | .25 |
| 45 | MP3C | Mx | -.006 | .25 |
| 46 | MP3C | X | 0 | 5.25 |
| 47 | MP3C | Z | 12.458 | 5.25 |
| 48 | MP3C | Mx | -.006 | 5.25 |
| 49 | MP2A | X | 0 | .25 |
| 50 | MP2A | Z | 8.538 | .25 |
| 51 | MP2A | Mx | .000851 | .25 |
| 52 | MP2A | X | 0 | 5.25 |
| 53 | MP2A | Z | 8.538 | 5.25 |
| 54 | MP2A | Mx | .000851 | 5.25 |
| 55 | MP2A | X | 0 | .25 |
| 56 | MP2A | Z | 8.538 | .25 |
| 57 | MP2A | Mx | .007 | .25 |
| 58 | MP2A | X | 0 | 5.25 |
| 59 | MP2A | Z | 8.538 | 5.25 |
| 60 | MP2A | Mx | .007 | 5.25 |
| 61 | MP3A | X | 0 | 1 |
| 62 | MP3A | Z | .892 | 1 |
| 63 | MP3A | Mx | .000386 | 1 |
| 64 | MP3B | X | 0 | 1 |
| 65 | MP3B | Z | 2.035 | 1 |
| 66 | MP3B | Mx | -.000348 | 1 |
| 67 | MP4C | X | 0 | 1 |
| 68 | MP4C | Z | 1.795 | 1 |
| 69 | MP4C | Mx | .000449 | 1 |
| 70 | MP1C | X | 0 | 2.25 |
| 71 | MP1C | Z | 2.947 | 2.25 |
| 72 | MP1C | Mx | -.001 | 2.25 |
| 73 | MP4A | X | 0 | 2.25 |
| 74 | MP4A | Z | 2.947 | 2.25 |
| 75 | MP4A | Mx | -.001 | 2.25 |



Company :
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 Job Number :
 Model Name :

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 76 | MP4B | X | 0 | 2.25 |
| 77 | MP4B | Z | 2.947 | 2.25 |
| 78 | MP4B | Mx | -.001 | 2.25 |
| 79 | MP3C | X | 0 | 2.25 |
| 80 | MP3C | Z | 2.587 | 2.25 |
| 81 | MP3C | Mx | -.001 | 2.25 |
| 82 | MP5A | X | 0 | 2.25 |
| 83 | MP5A | Z | 2.587 | 2.25 |
| 84 | MP5A | Mx | -.001 | 2.25 |
| 85 | MP5B | X | 0 | 2.25 |
| 86 | MP5B | Z | 2.587 | 2.25 |
| 87 | MP5B | Mx | -.001 | 2.25 |
| 88 | OVP | X | 0 | 1 |
| 89 | OVP | Z | 6.563 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | 0 | 2 |
| 92 | M38 | Z | 1.203 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | -.646 | 2 |
| 2 | M38 | Z | 1.119 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | -.646 | 2 |
| 5 | M38 | Z | 1.119 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | -.852 | 1.75 |
| 8 | MP5A | Z | 1.476 | 1.75 |
| 9 | MP5A | Mx | .000852 | 1.75 |
| 10 | MP5A | X | -.852 | 3.75 |
| 11 | MP5A | Z | 1.476 | 3.75 |
| 12 | MP5A | Mx | .000852 | 3.75 |
| 13 | MP5B | X | -2.425 | 1.75 |
| 14 | MP5B | Z | 4.2 | 1.75 |
| 15 | MP5B | Mx | .000421 | 1.75 |
| 16 | MP5B | X | -2.425 | 3.75 |
| 17 | MP5B | Z | 4.2 | 3.75 |
| 18 | MP5B | Mx | .000421 | 3.75 |
| 19 | MP5C | X | -2.474 | 1.75 |
| 20 | MP5C | Z | 4.285 | 1.75 |
| 21 | MP5C | Mx | 0 | 1.75 |
| 22 | MP5C | X | -2.474 | 3.75 |
| 23 | MP5C | Z | 4.285 | 3.75 |
| 24 | MP5C | Mx | 0 | 3.75 |
| 25 | MP1B | X | -7.077 | .25 |
| 26 | MP1B | Z | 12.259 | .25 |
| 27 | MP1B | Mx | -.01 | .25 |
| 28 | MP1B | X | -7.077 | 5.25 |
| 29 | MP1B | Z | 12.259 | 5.25 |
| 30 | MP1B | Mx | -.01 | 5.25 |
| 31 | MP1B | X | -7.077 | .25 |
| 32 | MP1B | Z | 12.259 | .25 |
| 33 | MP1B | Mx | .013 | .25 |
| 34 | MP1B | X | -7.077 | 5.25 |
| 35 | MP1B | Z | 12.259 | 5.25 |
| 36 | MP1B | Mx | .013 | 5.25 |
| 37 | MP3C | X | -7.194 | .25 |



Company :
 Designer :
 Job Number :
 Model Name :

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 38 | MP3C | Z | 12.46 | .25 |
| 39 | MP3C | Mx | .012 | .25 |
| 40 | MP3C | X | -7.194 | 5.25 |
| 41 | MP3C | Z | 12.46 | 5.25 |
| 42 | MP3C | Mx | .012 | 5.25 |
| 43 | MP3C | X | -7.194 | .25 |
| 44 | MP3C | Z | 12.46 | .25 |
| 45 | MP3C | Mx | -.012 | .25 |
| 46 | MP3C | X | -7.194 | 5.25 |
| 47 | MP3C | Z | 12.46 | 5.25 |
| 48 | MP3C | Mx | -.012 | 5.25 |
| 49 | MP2A | X | -3.776 | .25 |
| 50 | MP2A | Z | 6.54 | .25 |
| 51 | MP2A | Mx | .004 | .25 |
| 52 | MP2A | X | -3.776 | 5.25 |
| 53 | MP2A | Z | 6.54 | 5.25 |
| 54 | MP2A | Mx | .004 | 5.25 |
| 55 | MP2A | X | -3.776 | .25 |
| 56 | MP2A | Z | 6.54 | .25 |
| 57 | MP2A | Mx | .004 | .25 |
| 58 | MP2A | X | -3.776 | 5.25 |
| 59 | MP2A | Z | 6.54 | 5.25 |
| 60 | MP2A | Mx | .004 | 5.25 |
| 61 | MP3A | X | -.22 | 1 |
| 62 | MP3A | Z | .382 | 1 |
| 63 | MP3A | Mx | .00022 | 1 |
| 64 | MP3B | X | -1.096 | 1 |
| 65 | MP3B | Z | 1.898 | 1 |
| 66 | MP3B | Mx | .00019 | 1 |
| 67 | MP4C | X | -1.123 | 1 |
| 68 | MP4C | Z | 1.946 | 1 |
| 69 | MP4C | Mx | 0 | 1 |
| 70 | MP1C | X | -1.313 | 2.25 |
| 71 | MP1C | Z | 2.273 | 2.25 |
| 72 | MP1C | Mx | -.001 | 2.25 |
| 73 | MP4A | X | -1.313 | 2.25 |
| 74 | MP4A | Z | 2.273 | 2.25 |
| 75 | MP4A | Mx | -.001 | 2.25 |
| 76 | MP4B | X | -1.313 | 2.25 |
| 77 | MP4B | Z | 2.273 | 2.25 |
| 78 | MP4B | Mx | -.001 | 2.25 |
| 79 | MP3C | X | -1.073 | 2.25 |
| 80 | MP3C | Z | 1.858 | 2.25 |
| 81 | MP3C | Mx | -.001 | 2.25 |
| 82 | MP5A | X | -1.073 | 2.25 |
| 83 | MP5A | Z | 1.858 | 2.25 |
| 84 | MP5A | Mx | -.001 | 2.25 |
| 85 | MP5B | X | -1.073 | 2.25 |
| 86 | MP5B | Z | 1.858 | 2.25 |
| 87 | MP5B | Mx | -.001 | 2.25 |
| 88 | OVP | X | -3.042 | 1 |
| 89 | OVP | Z | 5.268 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | -.646 | 2 |
| 92 | M38 | Z | 1.119 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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



Company :
 Designer :
 Job Number :
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Member Point Loads (BLC 35 : Antenna Wm (240 Deg)) (Continued)

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | -1.042 | 2 |
| 2 | M38 | Z | .601 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | -1.042 | 2 |
| 5 | M38 | Z | .601 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | -2.178 | 1.75 |
| 8 | MP5A | Z | 1.257 | 1.75 |
| 9 | MP5A | Mx | .001 | 1.75 |
| 10 | MP5A | X | -2.178 | 3.75 |
| 11 | MP5A | Z | 1.257 | 3.75 |
| 12 | MP5A | Mx | .001 | 3.75 |
| 13 | MP5B | X | -3.124 | 1.75 |
| 14 | MP5B | Z | 1.804 | 1.75 |
| 15 | MP5B | Mx | .001 | 1.75 |
| 16 | MP5B | X | -3.124 | 3.75 |
| 17 | MP5B | Z | 1.804 | 3.75 |
| 18 | MP5B | Mx | .001 | 3.75 |
| 19 | MP5C | X | -3.582 | 1.75 |
| 20 | MP5C | Z | 2.068 | 1.75 |
| 21 | MP5C | Mx | -.001 | 1.75 |
| 22 | MP5C | X | -3.582 | 3.75 |
| 23 | MP5C | Z | 2.068 | 3.75 |
| 24 | MP5C | Mx | -.001 | 3.75 |
| 25 | MP1B | X | -9.698 | .25 |
| 26 | MP1B | Z | 5.599 | .25 |
| 27 | MP1B | Mx | -.004 | .25 |
| 28 | MP1B | X | -9.698 | 5.25 |
| 29 | MP1B | Z | 5.599 | 5.25 |
| 30 | MP1B | Mx | -.004 | 5.25 |
| 31 | MP1B | X | -9.698 | .25 |
| 32 | MP1B | Z | 5.599 | .25 |
| 33 | MP1B | Mx | .011 | .25 |
| 34 | MP1B | X | -9.698 | 5.25 |
| 35 | MP1B | Z | 5.599 | 5.25 |
| 36 | MP1B | Mx | .011 | 5.25 |
| 37 | MP3C | X | -10.789 | .25 |
| 38 | MP3C | Z | 6.229 | .25 |
| 39 | MP3C | Mx | .006 | .25 |
| 40 | MP3C | X | -10.789 | 5.25 |
| 41 | MP3C | Z | 6.229 | 5.25 |
| 42 | MP3C | Mx | .006 | 5.25 |
| 43 | MP3C | X | -10.789 | .25 |
| 44 | MP3C | Z | 6.229 | .25 |
| 45 | MP3C | Mx | -.012 | .25 |
| 46 | MP3C | X | -10.789 | 5.25 |
| 47 | MP3C | Z | 6.229 | 5.25 |
| 48 | MP3C | Mx | -.012 | 5.25 |
| 49 | MP2A | X | -7.394 | .25 |
| 50 | MP2A | Z | 4.269 | .25 |
| 51 | MP2A | Mx | .007 | .25 |
| 52 | MP2A | X | -7.394 | 5.25 |
| 53 | MP2A | Z | 4.269 | 5.25 |
| 54 | MP2A | Mx | .007 | 5.25 |
| 55 | MP2A | X | -7.394 | .25 |
| 56 | MP2A | Z | 4.269 | .25 |
| 57 | MP2A | Mx | .000851 | .25 |
| 58 | MP2A | X | -7.394 | 5.25 |
| 59 | MP2A | Z | 4.269 | 5.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 60 | MP2A | Mx | .000851 | 5.25 |
| 61 | MP3A | X | -.773 | 1 |
| 62 | MP3A | Z | .446 | 1 |
| 63 | MP3A | Mx | .000386 | 1 |
| 64 | MP3B | X | -1.299 | 1 |
| 65 | MP3B | Z | .75 | 1 |
| 66 | MP3B | Mx | .000482 | 1 |
| 67 | MP4C | X | -1.555 | 1 |
| 68 | MP4C | Z | .898 | 1 |
| 69 | MP4C | Mx | -.000449 | 1 |
| 70 | MP1C | X | -2.552 | 2.25 |
| 71 | MP1C | Z | 1.473 | 2.25 |
| 72 | MP1C | Mx | -.001 | 2.25 |
| 73 | MP4A | X | -2.552 | 2.25 |
| 74 | MP4A | Z | 1.473 | 2.25 |
| 75 | MP4A | Mx | -.001 | 2.25 |
| 76 | MP4B | X | -2.552 | 2.25 |
| 77 | MP4B | Z | 1.473 | 2.25 |
| 78 | MP4B | Mx | -.001 | 2.25 |
| 79 | MP3C | X | -2.241 | 2.25 |
| 80 | MP3C | Z | 1.294 | 2.25 |
| 81 | MP3C | Mx | -.001 | 2.25 |
| 82 | MP5A | X | -2.241 | 2.25 |
| 83 | MP5A | Z | 1.294 | 2.25 |
| 84 | MP5A | Mx | -.001 | 2.25 |
| 85 | MP5B | X | -2.241 | 2.25 |
| 86 | MP5B | Z | 1.294 | 2.25 |
| 87 | MP5B | Mx | -.001 | 2.25 |
| 88 | OVP | X | -5.684 | 1 |
| 89 | OVP | Z | 3.281 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | -1.042 | 2 |
| 92 | M38 | Z | .601 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | -1.024 | 2 |
| 2 | M38 | Z | 0 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | -1.024 | 2 |
| 5 | M38 | Z | 0 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | -4.136 | 1.75 |
| 8 | MP5A | Z | 0 | 1.75 |
| 9 | MP5A | Mx | .001 | 1.75 |
| 10 | MP5A | X | -4.136 | 3.75 |
| 11 | MP5A | Z | 0 | 3.75 |
| 12 | MP5A | Mx | .001 | 3.75 |
| 13 | MP5B | X | -2.083 | 1.75 |
| 14 | MP5B | Z | 0 | 1.75 |
| 15 | MP5B | Mx | .000979 | 1.75 |
| 16 | MP5B | X | -2.083 | 3.75 |
| 17 | MP5B | Z | 0 | 3.75 |
| 18 | MP5B | Mx | .000979 | 3.75 |
| 19 | MP5C | X | -2.515 | 1.75 |
| 20 | MP5C | Z | 0 | 1.75 |
| 21 | MP5C | Mx | -.001 | 1.75 |



Company :
 Designer :
 Job Number :
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Member Point Loads (BLC 36 : Antenna Wm (270 Deg)) (Continued)

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 22 | MP5C | X | -2.515 | 3.75 |
| 23 | MP5C | Z | 0 | 3.75 |
| 24 | MP5C | Mx | -.001 | 3.75 |
| 25 | MP1B | X | -7.571 | .25 |
| 26 | MP1B | Z | 0 | .25 |
| 27 | MP1B | Mx | .001 | .25 |
| 28 | MP1B | X | -7.571 | 5.25 |
| 29 | MP1B | Z | 0 | 5.25 |
| 30 | MP1B | Mx | .001 | 5.25 |
| 31 | MP1B | X | -7.571 | .25 |
| 32 | MP1B | Z | 0 | .25 |
| 33 | MP1B | Mx | .006 | .25 |
| 34 | MP1B | X | -7.571 | 5.25 |
| 35 | MP1B | Z | 0 | 5.25 |
| 36 | MP1B | Mx | .006 | 5.25 |
| 37 | MP3C | X | -8.598 | .25 |
| 38 | MP3C | Z | 0 | .25 |
| 39 | MP3C | Mx | -.000141 | .25 |
| 40 | MP3C | X | -8.598 | 5.25 |
| 41 | MP3C | Z | 0 | 5.25 |
| 42 | MP3C | Mx | -.000141 | 5.25 |
| 43 | MP3C | X | -8.598 | .25 |
| 44 | MP3C | Z | 0 | .25 |
| 45 | MP3C | Mx | -.007 | .25 |
| 46 | MP3C | X | -8.598 | 5.25 |
| 47 | MP3C | Z | 0 | 5.25 |
| 48 | MP3C | Mx | -.007 | 5.25 |
| 49 | MP2A | X | -10.511 | .25 |
| 50 | MP2A | Z | 0 | .25 |
| 51 | MP2A | Mx | .009 | .25 |
| 52 | MP2A | X | -10.511 | 5.25 |
| 53 | MP2A | Z | 0 | 5.25 |
| 54 | MP2A | Mx | .009 | 5.25 |
| 55 | MP2A | X | -10.511 | .25 |
| 56 | MP2A | Z | 0 | .25 |
| 57 | MP2A | Mx | -.003 | .25 |
| 58 | MP2A | X | -10.511 | 5.25 |
| 59 | MP2A | Z | 0 | 5.25 |
| 60 | MP2A | Mx | -.003 | 5.25 |
| 61 | MP3A | X | -1.795 | 1 |
| 62 | MP3A | Z | 0 | 1 |
| 63 | MP3A | Mx | .000449 | 1 |
| 64 | MP3B | X | -.652 | 1 |
| 65 | MP3B | Z | 0 | 1 |
| 66 | MP3B | Mx | .000306 | 1 |
| 67 | MP4C | X | -.892 | 1 |
| 68 | MP4C | Z | 0 | 1 |
| 69 | MP4C | Mx | -.000386 | 1 |
| 70 | MP1C | X | -3.591 | 2.25 |
| 71 | MP1C | Z | 0 | 2.25 |
| 72 | MP1C | Mx | -.000898 | 2.25 |
| 73 | MP4A | X | -3.591 | 2.25 |
| 74 | MP4A | Z | 0 | 2.25 |
| 75 | MP4A | Mx | -.000898 | 2.25 |
| 76 | MP4B | X | -3.591 | 2.25 |
| 77 | MP4B | Z | 0 | 2.25 |
| 78 | MP4B | Mx | -.000898 | 2.25 |
| 79 | MP3C | X | -3.471 | 2.25 |
| 80 | MP3C | Z | 0 | 2.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 81 | MP3C | Mx | -.000868 | 2.25 |
| 82 | MP5A | X | -3.471 | 2.25 |
| 83 | MP5A | Z | 0 | 2.25 |
| 84 | MP5A | Mx | -.000868 | 2.25 |
| 85 | MP5B | X | -3.471 | 2.25 |
| 86 | MP5B | Z | 0 | 2.25 |
| 87 | MP5B | Mx | -.000868 | 2.25 |
| 88 | OVP | X | -7.522 | 1 |
| 89 | OVP | Z | 0 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | -1.024 | 2 |
| 92 | M38 | Z | 0 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 1 | M38 | X | -.809 | 2 |
| 2 | M38 | Z | -.467 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | -.809 | 2 |
| 5 | M38 | Z | -.467 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | -4.285 | 1.75 |
| 8 | MP5A | Z | -2.474 | 1.75 |
| 9 | MP5A | Mx | 0 | 1.75 |
| 10 | MP5A | X | -4.285 | 3.75 |
| 11 | MP5A | Z | -2.474 | 3.75 |
| 12 | MP5A | Mx | 0 | 3.75 |
| 13 | MP5B | X | -1.56 | 1.75 |
| 14 | MP5B | Z | -.901 | 1.75 |
| 15 | MP5B | Mx | .000887 | 1.75 |
| 16 | MP5B | X | -1.56 | 3.75 |
| 17 | MP5B | Z | -.901 | 3.75 |
| 18 | MP5B | Mx | .000887 | 3.75 |
| 19 | MP5C | X | -1.476 | 1.75 |
| 20 | MP5C | Z | -.852 | 1.75 |
| 21 | MP5C | Mx | -.000852 | 1.75 |
| 22 | MP5C | X | -1.476 | 3.75 |
| 23 | MP5C | Z | -.852 | 3.75 |
| 24 | MP5C | Mx | -.000852 | 3.75 |
| 25 | MP1B | X | -5.976 | .25 |
| 26 | MP1B | Z | -3.45 | .25 |
| 27 | MP1B | Mx | .004 | .25 |
| 28 | MP1B | X | -5.976 | 5.25 |
| 29 | MP1B | Z | -3.45 | 5.25 |
| 30 | MP1B | Mx | .004 | 5.25 |
| 31 | MP1B | X | -5.976 | .25 |
| 32 | MP1B | Z | -3.45 | .25 |
| 33 | MP1B | Mx | .002 | .25 |
| 34 | MP1B | X | -5.976 | 5.25 |
| 35 | MP1B | Z | -3.45 | 5.25 |
| 36 | MP1B | Mx | .002 | 5.25 |
| 37 | MP3C | X | -5.775 | .25 |
| 38 | MP3C | Z | -3.334 | .25 |
| 39 | MP3C | Mx | -.003 | .25 |
| 40 | MP3C | X | -5.775 | 5.25 |
| 41 | MP3C | Z | -3.334 | 5.25 |
| 42 | MP3C | Mx | -.003 | 5.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 43 | MP3C | X | -5.775 | .25 |
| 44 | MP3C | Z | -3.334 | .25 |
| 45 | MP3C | Mx | -.003 | .25 |
| 46 | MP3C | X | -5.775 | 5.25 |
| 47 | MP3C | Z | -3.334 | 5.25 |
| 48 | MP3C | Mx | -.003 | 5.25 |
| 49 | MP2A | X | -9.957 | .25 |
| 50 | MP2A | Z | -5.749 | .25 |
| 51 | MP2A | Mx | .008 | .25 |
| 52 | MP2A | X | -9.957 | 5.25 |
| 53 | MP2A | Z | -5.749 | 5.25 |
| 54 | MP2A | Mx | .008 | 5.25 |
| 55 | MP2A | X | -9.957 | .25 |
| 56 | MP2A | Z | -5.749 | .25 |
| 57 | MP2A | Mx | -.008 | .25 |
| 58 | MP2A | X | -9.957 | 5.25 |
| 59 | MP2A | Z | -5.749 | 5.25 |
| 60 | MP2A | Mx | -.008 | 5.25 |
| 61 | MP3A | X | -1.946 | 1 |
| 62 | MP3A | Z | -1.123 | 1 |
| 63 | MP3A | Mx | 0 | 1 |
| 64 | MP3B | X | -.429 | 1 |
| 65 | MP3B | Z | -.248 | 1 |
| 66 | MP3B | Mx | .000244 | 1 |
| 67 | MP4C | X | -.382 | 1 |
| 68 | MP4C | Z | -.22 | 1 |
| 69 | MP4C | Mx | -.00022 | 1 |
| 70 | MP1C | X | -3.388 | 2.25 |
| 71 | MP1C | Z | -1.956 | 2.25 |
| 72 | MP1C | Mx | 0 | 2.25 |
| 73 | MP4A | X | -3.388 | 2.25 |
| 74 | MP4A | Z | -1.956 | 2.25 |
| 75 | MP4A | Mx | 0 | 2.25 |
| 76 | MP4B | X | -3.388 | 2.25 |
| 77 | MP4B | Z | -1.956 | 2.25 |
| 78 | MP4B | Mx | 0 | 2.25 |
| 79 | MP3C | X | -3.388 | 2.25 |
| 80 | MP3C | Z | -1.956 | 2.25 |
| 81 | MP3C | Mx | 0 | 2.25 |
| 82 | MP5A | X | -3.388 | 2.25 |
| 83 | MP5A | Z | -1.956 | 2.25 |
| 84 | MP5A | Mx | 0 | 2.25 |
| 85 | MP5B | X | -3.388 | 2.25 |
| 86 | MP5B | Z | -1.956 | 2.25 |
| 87 | MP5B | Mx | 0 | 2.25 |
| 88 | OVP | X | -6.93 | 1 |
| 89 | OVP | Z | -4.001 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | -.809 | 2 |
| 92 | M38 | Z | -.467 | 2 |
| 93 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | M38 | X | -.512 | 2 |
| 2 | M38 | Z | -.886 | 2 |
| 3 | M38 | Mx | 0 | 2 |
| 4 | M38 | X | -.512 | 2 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 5 | M38 | Z | - .886 | 2 |
| 6 | M38 | Mx | 0 | 2 |
| 7 | MP5A | X | -2.068 | 1.75 |
| 8 | MP5A | Z | -3.582 | 1.75 |
| 9 | MP5A | Mx | -.001 | 1.75 |
| 10 | MP5A | X | -2.068 | 3.75 |
| 11 | MP5A | Z | -3.582 | 3.75 |
| 12 | MP5A | Mx | -.001 | 3.75 |
| 13 | MP5B | X | -1.522 | 1.75 |
| 14 | MP5B | Z | -2.636 | 1.75 |
| 15 | MP5B | Mx | .001 | 1.75 |
| 16 | MP5B | X | -1.522 | 3.75 |
| 17 | MP5B | Z | -2.636 | 3.75 |
| 18 | MP5B | Mx | .001 | 3.75 |
| 19 | MP5C | X | -1.257 | 1.75 |
| 20 | MP5C | Z | -2.178 | 1.75 |
| 21 | MP5C | Mx | -.001 | 1.75 |
| 22 | MP5C | X | -1.257 | 3.75 |
| 23 | MP5C | Z | -2.178 | 3.75 |
| 24 | MP5C | Mx | -.001 | 3.75 |
| 25 | MP1B | X | -4.929 | .25 |
| 26 | MP1B | Z | -8.537 | .25 |
| 27 | MP1B | Mx | .009 | .25 |
| 28 | MP1B | X | -4.929 | 5.25 |
| 29 | MP1B | Z | -8.537 | 5.25 |
| 30 | MP1B | Mx | .009 | 5.25 |
| 31 | MP1B | X | -4.929 | .25 |
| 32 | MP1B | Z | -8.537 | .25 |
| 33 | MP1B | Mx | -.002 | .25 |
| 34 | MP1B | X | -4.929 | 5.25 |
| 35 | MP1B | Z | -8.537 | 5.25 |
| 36 | MP1B | Mx | -.002 | 5.25 |
| 37 | MP3C | X | -4.299 | .25 |
| 38 | MP3C | Z | -7.446 | .25 |
| 39 | MP3C | Mx | -.007 | .25 |
| 40 | MP3C | X | -4.299 | 5.25 |
| 41 | MP3C | Z | -7.446 | 5.25 |
| 42 | MP3C | Mx | -.007 | 5.25 |
| 43 | MP3C | X | -4.299 | .25 |
| 44 | MP3C | Z | -7.446 | .25 |
| 45 | MP3C | Mx | -.000141 | .25 |
| 46 | MP3C | X | -4.299 | 5.25 |
| 47 | MP3C | Z | -7.446 | 5.25 |
| 48 | MP3C | Mx | -.000141 | 5.25 |
| 49 | MP2A | X | -5.256 | .25 |
| 50 | MP2A | Z | -9.103 | .25 |
| 51 | MP2A | Mx | .003 | .25 |
| 52 | MP2A | X | -5.256 | 5.25 |
| 53 | MP2A | Z | -9.103 | 5.25 |
| 54 | MP2A | Mx | .003 | 5.25 |
| 55 | MP2A | X | -5.256 | .25 |
| 56 | MP2A | Z | -9.103 | .25 |
| 57 | MP2A | Mx | -.009 | .25 |
| 58 | MP2A | X | -5.256 | 5.25 |
| 59 | MP2A | Z | -9.103 | 5.25 |
| 60 | MP2A | Mx | -.009 | 5.25 |
| 61 | MP3A | X | -.898 | 1 |
| 62 | MP3A | Z | -1.555 | 1 |
| 63 | MP3A | Mx | -.000449 | 1 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 64 | MP3B | X | -.593 | 1 |
| 65 | MP3B | Z | -1.028 | 1 |
| 66 | MP3B | Mx | .000454 | 1 |
| 67 | MP4C | X | -.446 | 1 |
| 68 | MP4C | Z | -.773 | 1 |
| 69 | MP4C | Mx | -.000386 | 1 |
| 70 | MP1C | X | -1.795 | 2.25 |
| 71 | MP1C | Z | -3.11 | 2.25 |
| 72 | MP1C | Mx | .000898 | 2.25 |
| 73 | MP4A | X | -1.795 | 2.25 |
| 74 | MP4A | Z | -3.11 | 2.25 |
| 75 | MP4A | Mx | .000898 | 2.25 |
| 76 | MP4B | X | -1.795 | 2.25 |
| 77 | MP4B | Z | -3.11 | 2.25 |
| 78 | MP4B | Mx | .000898 | 2.25 |
| 79 | MP3C | X | -1.735 | 2.25 |
| 80 | MP3C | Z | -3.006 | 2.25 |
| 81 | MP3C | Mx | .000868 | 2.25 |
| 82 | MP5A | X | -1.735 | 2.25 |
| 83 | MP5A | Z | -3.006 | 2.25 |
| 84 | MP5A | Mx | .000868 | 2.25 |
| 85 | MP5B | X | -1.735 | 2.25 |
| 86 | MP5B | Z | -3.006 | 2.25 |
| 87 | MP5B | Mx | .000868 | 2.25 |
| 88 | OVP | X | -3.761 | 1 |
| 89 | OVP | Z | -6.514 | 1 |
| 90 | OVP | Mx | 0 | 1 |
| 91 | M38 | X | -.512 | 2 |
| 92 | M38 | Z | -.886 | 2 |
| 93 | M38 | Mx | 0 | 2 |

Member Point Loads (BLC 77 : Lm1)

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | L1 | Y | -500 | 0 |

Member Point Loads (BLC 78 : Lm2)

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | L5 | Y | -500 | 0 |

Member Point Loads (BLC 79 : Lv1)

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | FACE2 | Y | -250 | 0 |

Member Point Loads (BLC 80 : Lv2)

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | FACE2 | Y | -250 | %100 |

Member Point Loads (BLC 81 : Antenna Ev)

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | M38 | Y | -.901 | 2 |
| 2 | M38 | My | 0 | 2 |
| 3 | M38 | Mz | 0 | 2 |
| 4 | M38 | Y | -.901 | 2 |
| 5 | M38 | My | 0 | 2 |
| 6 | M38 | Mz | 0 | 2 |
| 7 | MP5A | Y | -1.886 | 1.75 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 8 | MP5A | My | -.000472 | 1.75 |
| 9 | MP5A | Mz | .000817 | 1.75 |
| 10 | MP5A | Y | -1.886 | 3.75 |
| 11 | MP5A | My | -.000472 | 3.75 |
| 12 | MP5A | Mz | .000817 | 3.75 |
| 13 | MP5B | Y | -1.886 | 1.75 |
| 14 | MP5B | My | -.000886 | 1.75 |
| 15 | MP5B | Mz | -.000323 | 1.75 |
| 16 | MP5B | Y | -1.886 | 3.75 |
| 17 | MP5B | My | -.000886 | 3.75 |
| 18 | MP5B | Mz | -.000323 | 3.75 |
| 19 | MP5C | Y | -1.886 | 1.75 |
| 20 | MP5C | My | .000817 | 1.75 |
| 21 | MP5C | Mz | .000472 | 1.75 |
| 22 | MP5C | Y | -1.886 | 3.75 |
| 23 | MP5C | My | .000817 | 3.75 |
| 24 | MP5C | Mz | .000472 | 3.75 |
| 25 | MP1B | Y | -1.981 | .25 |
| 26 | MP1B | My | -.000366 | .25 |
| 27 | MP1B | Mz | -.002 | .25 |
| 28 | MP1B | Y | -1.981 | 5.25 |
| 29 | MP1B | My | -.000366 | 5.25 |
| 30 | MP1B | Mz | -.002 | 5.25 |
| 31 | MP1B | Y | -1.981 | .25 |
| 32 | MP1B | My | -.001 | .25 |
| 33 | MP1B | Mz | .001 | .25 |
| 34 | MP1B | Y | -1.981 | 5.25 |
| 35 | MP1B | My | -.001 | 5.25 |
| 36 | MP1B | Mz | .001 | 5.25 |
| 37 | MP3C | Y | -1.981 | .25 |
| 38 | MP3C | My | 3.2e-5 | .25 |
| 39 | MP3C | Mz | .002 | .25 |
| 40 | MP3C | Y | -1.981 | 5.25 |
| 41 | MP3C | My | 3.2e-5 | 5.25 |
| 42 | MP3C | Mz | .002 | 5.25 |
| 43 | MP3C | Y | -1.981 | .25 |
| 44 | MP3C | My | .002 | .25 |
| 45 | MP3C | Mz | -.000935 | .25 |
| 46 | MP3C | Y | -1.981 | 5.25 |
| 47 | MP3C | My | .002 | 5.25 |
| 48 | MP3C | Mz | -.000935 | 5.25 |
| 49 | MP2A | Y | -1.371 | .25 |
| 50 | MP2A | My | -.001 | .25 |
| 51 | MP2A | Mz | .000137 | .25 |
| 52 | MP2A | Y | -1.371 | 5.25 |
| 53 | MP2A | My | -.001 | 5.25 |
| 54 | MP2A | Mz | .000137 | 5.25 |
| 55 | MP2A | Y | -1.371 | .25 |
| 56 | MP2A | My | .000449 | .25 |
| 57 | MP2A | Mz | .001 | .25 |
| 58 | MP2A | Y | -1.371 | 5.25 |
| 59 | MP2A | My | .000449 | 5.25 |
| 60 | MP2A | Mz | .001 | 5.25 |
| 61 | MP3A | Y | -.191 | 1 |
| 62 | MP3A | My | -4.8e-5 | 1 |
| 63 | MP3A | Mz | 8.3e-5 | 1 |
| 64 | MP3B | Y | -.191 | 1 |
| 65 | MP3B | My | -9e-5 | 1 |
| 66 | MP3B | Mz | -3.3e-5 | 1 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 67 | MP4C | Y | -.191 | 1 |
| 68 | MP4C | My | 8.3e-5 | 1 |
| 69 | MP4C | Mz | 4.8e-5 | 1 |
| 70 | MP1C | Y | -3.655 | 2.25 |
| 71 | MP1C | My | .000914 | 2.25 |
| 72 | MP1C | Mz | -.002 | 2.25 |
| 73 | MP4A | Y | -3.655 | 2.25 |
| 74 | MP4A | My | .000914 | 2.25 |
| 75 | MP4A | Mz | -.002 | 2.25 |
| 76 | MP4B | Y | -3.655 | 2.25 |
| 77 | MP4B | My | .000914 | 2.25 |
| 78 | MP4B | Mz | -.002 | 2.25 |
| 79 | MP3C | Y | -3.044 | 2.25 |
| 80 | MP3C | My | .000761 | 2.25 |
| 81 | MP3C | Mz | -.001 | 2.25 |
| 82 | MP5A | Y | -3.044 | 2.25 |
| 83 | MP5A | My | .000761 | 2.25 |
| 84 | MP5A | Mz | -.001 | 2.25 |
| 85 | MP5B | Y | -3.044 | 2.25 |
| 86 | MP5B | My | .000761 | 2.25 |
| 87 | MP5B | Mz | -.001 | 2.25 |
| 88 | OVP | Y | -1.386 | 1 |
| 89 | OVP | My | 0 | 1 |
| 90 | OVP | Mz | 0 | 1 |
| 91 | M38 | Y | -.901 | 2 |
| 92 | M38 | My | 0 | 2 |
| 93 | M38 | Mz | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 1 | M38 | Z | -2.252 | 2 |
| 2 | M38 | Mx | 0 | 2 |
| 3 | M38 | Z | -2.252 | 2 |
| 4 | M38 | Mx | 0 | 2 |
| 5 | MP5A | Z | -4.715 | 1.75 |
| 6 | MP5A | Mx | -.002 | 1.75 |
| 7 | MP5A | Z | -4.715 | 3.75 |
| 8 | MP5A | Mx | -.002 | 3.75 |
| 9 | MP5B | Z | -4.715 | 1.75 |
| 10 | MP5B | Mx | .000806 | 1.75 |
| 11 | MP5B | Z | -4.715 | 3.75 |
| 12 | MP5B | Mx | .000806 | 3.75 |
| 13 | MP5C | Z | -4.715 | 1.75 |
| 14 | MP5C | Mx | -.001 | 1.75 |
| 15 | MP5C | Z | -4.715 | 3.75 |
| 16 | MP5C | Mx | -.001 | 3.75 |
| 17 | MP1B | Z | -4.953 | .25 |
| 18 | MP1B | Mx | .005 | .25 |
| 19 | MP1B | Z | -4.953 | 5.25 |
| 20 | MP1B | Mx | .005 | 5.25 |
| 21 | MP1B | Z | -4.953 | .25 |
| 22 | MP1B | Mx | -.003 | .25 |
| 23 | MP1B | Z | -4.953 | 5.25 |
| 24 | MP1B | Mx | -.003 | 5.25 |
| 25 | MP3C | Z | -4.953 | .25 |
| 26 | MP3C | Mx | -.005 | .25 |
| 27 | MP3C | Z | -4.953 | 5.25 |
| 28 | MP3C | Mx | -.005 | 5.25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 29 | MP3C | Z | -4.953 | .25 |
| 30 | MP3C | Mx | .002 | .25 |
| 31 | MP3C | Z | -4.953 | 5.25 |
| 32 | MP3C | Mx | .002 | 5.25 |
| 33 | MP2A | Z | -3.427 | .25 |
| 34 | MP2A | Mx | -.000342 | .25 |
| 35 | MP2A | Z | -3.427 | 5.25 |
| 36 | MP2A | Mx | -.000342 | 5.25 |
| 37 | MP2A | Z | -3.427 | .25 |
| 38 | MP2A | Mx | -.003 | .25 |
| 39 | MP2A | Z | -3.427 | 5.25 |
| 40 | MP2A | Mx | -.003 | 5.25 |
| 41 | MP3A | Z | -.476 | 1 |
| 42 | MP3A | Mx | -.000206 | 1 |
| 43 | MP3B | Z | -.476 | 1 |
| 44 | MP3B | Mx | 8.1e-5 | 1 |
| 45 | MP4C | Z | -.476 | 1 |
| 46 | MP4C | Mx | -.000119 | 1 |
| 47 | MP1C | Z | -9.138 | 2.25 |
| 48 | MP1C | Mx | .004 | 2.25 |
| 49 | MP4A | Z | -9.138 | 2.25 |
| 50 | MP4A | Mx | .004 | 2.25 |
| 51 | MP4B | Z | -9.138 | 2.25 |
| 52 | MP4B | Mx | .004 | 2.25 |
| 53 | MP3C | Z | -7.611 | 2.25 |
| 54 | MP3C | Mx | .003 | 2.25 |
| 55 | MP5A | Z | -7.611 | 2.25 |
| 56 | MP5A | Mx | .003 | 2.25 |
| 57 | MP5B | Z | -7.611 | 2.25 |
| 58 | MP5B | Mx | .003 | 2.25 |
| 59 | OVP | Z | -3.465 | 1 |
| 60 | OVP | Mx | 0 | 1 |
| 61 | M38 | Z | -2.252 | 2 |
| 62 | M38 | Mx | 0 | 2 |

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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft. %] |
|----|--------------|-----------|--------------------|-----------------|
| 1 | M38 | X | 2.252 | 2 |
| 2 | M38 | Mx | 0 | 2 |
| 3 | M38 | X | 2.252 | 2 |
| 4 | M38 | Mx | 0 | 2 |
| 5 | MP5A | X | 4.715 | 1.75 |
| 6 | MP5A | Mx | -.001 | 1.75 |
| 7 | MP5A | X | 4.715 | 3.75 |
| 8 | MP5A | Mx | -.001 | 3.75 |
| 9 | MP5B | X | 4.715 | 1.75 |
| 10 | MP5B | Mx | -.002 | 1.75 |
| 11 | MP5B | X | 4.715 | 3.75 |
| 12 | MP5B | Mx | -.002 | 3.75 |
| 13 | MP5C | X | 4.715 | 1.75 |
| 14 | MP5C | Mx | .002 | 1.75 |
| 15 | MP5C | X | 4.715 | 3.75 |
| 16 | MP5C | Mx | .002 | 3.75 |
| 17 | MP1B | X | 4.953 | .25 |
| 18 | MP1B | Mx | -.000915 | .25 |
| 19 | MP1B | X | 4.953 | 5.25 |
| 20 | MP1B | Mx | -.000915 | 5.25 |
| 21 | MP1B | X | 4.953 | .25 |



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

| | Member Label | Direction | Magnitude[lb.k-ft] | Location[ft.%] |
|----|--------------|-----------|--------------------|----------------|
| 22 | MP1B | Mx | -.004 | .25 |
| 23 | MP1B | X | 4.953 | 5.25 |
| 24 | MP1B | Mx | -.004 | 5.25 |
| 25 | MP3C | X | 4.953 | .25 |
| 26 | MP3C | Mx | 8.1e-5 | .25 |
| 27 | MP3C | X | 4.953 | 5.25 |
| 28 | MP3C | Mx | 8.1e-5 | 5.25 |
| 29 | MP3C | X | 4.953 | .25 |
| 30 | MP3C | Mx | .004 | .25 |
| 31 | MP3C | X | 4.953 | 5.25 |
| 32 | MP3C | Mx | .004 | 5.25 |
| 33 | MP2A | X | 3.427 | .25 |
| 34 | MP2A | Mx | -.003 | .25 |
| 35 | MP2A | X | 3.427 | 5.25 |
| 36 | MP2A | Mx | -.003 | 5.25 |
| 37 | MP2A | X | 3.427 | .25 |
| 38 | MP2A | Mx | .001 | .25 |
| 39 | MP2A | X | 3.427 | 5.25 |
| 40 | MP2A | Mx | .001 | 5.25 |
| 41 | MP3A | X | .476 | 1 |
| 42 | MP3A | Mx | -.000119 | 1 |
| 43 | MP3B | X | .476 | 1 |
| 44 | MP3B | Mx | -.000224 | 1 |
| 45 | MP4C | X | .476 | 1 |
| 46 | MP4C | Mx | .000206 | 1 |
| 47 | MP1C | X | 9.138 | 2.25 |
| 48 | MP1C | Mx | .002 | 2.25 |
| 49 | MP4A | X | 9.138 | 2.25 |
| 50 | MP4A | Mx | .002 | 2.25 |
| 51 | MP4B | X | 9.138 | 2.25 |
| 52 | MP4B | Mx | .002 | 2.25 |
| 53 | MP3C | X | 7.611 | 2.25 |
| 54 | MP3C | Mx | .002 | 2.25 |
| 55 | MP5A | X | 7.611 | 2.25 |
| 56 | MP5A | Mx | .002 | 2.25 |
| 57 | MP5B | X | 7.611 | 2.25 |
| 58 | MP5B | Mx | .002 | 2.25 |
| 59 | OVP | X | 3.465 | 1 |
| 60 | OVP | Mx | 0 | 1 |
| 61 | M38 | X | 2.252 | 2 |
| 62 | M38 | Mx | 0 | 2 |

Member Distributed Loads (BLC 40 : Structure Di)

| | Member Label | Direction | Start Magnitude[lb/ft....] | End Magnitude[lb/ft....] | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|----------------------------|--------------------------|----------------------|--------------------|
| 1 | M64 | Y | -9.35 | -9.35 | 0 | %100 |
| 2 | M22 | Y | -5.452 | -5.452 | 0 | %100 |
| 3 | M23 | Y | -5.452 | -5.452 | 0 | %100 |
| 4 | M27A | Y | -7.077 | -7.077 | 0 | %100 |
| 5 | FACE2 | Y | -6.378 | -6.378 | 0 | %100 |
| 6 | M38 | Y | -6.378 | -6.378 | 0 | %100 |
| 7 | M49A | Y | -4.827 | -4.827 | 0 | %100 |
| 8 | MP1A | Y | -5.516 | -5.516 | 0 | %100 |
| 9 | MP2A | Y | -5.516 | -5.516 | 0 | %100 |
| 10 | MP3A | Y | -5.516 | -5.516 | 0 | %100 |
| 11 | MP4A | Y | -5.516 | -5.516 | 0 | %100 |
| 12 | MP5A | Y | -5.516 | -5.516 | 0 | %100 |
| 13 | M96 | Y | -6.523 | -6.523 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 14 | M98 | Y | -10.339 | -10.339 | 0 | %100 |
| 15 | M105A | Y | -7.077 | -7.077 | 0 | %100 |
| 16 | M99 | Y | -9.35 | -9.35 | 0 | %100 |
| 17 | M100 | Y | -9.35 | -9.35 | 0 | %100 |
| 18 | M146 | Y | -9.35 | -9.35 | 0 | %100 |
| 19 | M192 | Y | -9.35 | -9.35 | 0 | %100 |
| 20 | OVP | Y | -5.516 | -5.516 | 0 | %100 |
| 21 | M135A | Y | -6.378 | -6.378 | 0 | %100 |
| 22 | M136A | Y | -6.378 | -6.378 | 0 | %100 |
| 23 | M147 | Y | -4.827 | -4.827 | 0 | %100 |
| 24 | MP1C | Y | -5.516 | -5.516 | 0 | %100 |
| 25 | MP2C | Y | -5.516 | -5.516 | 0 | %100 |
| 26 | MP3C | Y | -5.516 | -5.516 | 0 | %100 |
| 27 | MP4C | Y | -5.516 | -5.516 | 0 | %100 |
| 28 | MP5C | Y | -5.516 | -5.516 | 0 | %100 |
| 29 | M153 | Y | -6.378 | -6.378 | 0 | %100 |
| 30 | M154 | Y | -6.378 | -6.378 | 0 | %100 |
| 31 | M165A | Y | -4.827 | -4.827 | 0 | %100 |
| 32 | MP1B | Y | -5.516 | -5.516 | 0 | %100 |
| 33 | MP2B | Y | -5.516 | -5.516 | 0 | %100 |
| 34 | MP3B | Y | -5.516 | -5.516 | 0 | %100 |
| 35 | MP4B | Y | -5.516 | -5.516 | 0 | %100 |
| 36 | MP5B | Y | -5.516 | -5.516 | 0 | %100 |
| 37 | M169C | Y | -9.35 | -9.35 | 0 | %100 |
| 38 | M170C | Y | -5.452 | -5.452 | 0 | %100 |
| 39 | M171B | Y | -5.452 | -5.452 | 0 | %100 |
| 40 | M172A | Y | -7.077 | -7.077 | 0 | %100 |
| 41 | M174A | Y | -10.339 | -10.339 | 0 | %100 |
| 42 | M175A | Y | -7.077 | -7.077 | 0 | %100 |
| 43 | M176A | Y | -9.35 | -9.35 | 0 | %100 |
| 44 | M177A | Y | -9.35 | -9.35 | 0 | %100 |
| 45 | M186A | Y | -9.35 | -9.35 | 0 | %100 |
| 46 | M187A | Y | -5.452 | -5.452 | 0 | %100 |
| 47 | M188A | Y | -5.452 | -5.452 | 0 | %100 |
| 48 | M189A | Y | -7.077 | -7.077 | 0 | %100 |
| 49 | M191 | Y | -10.339 | -10.339 | 0 | %100 |
| 50 | M192A | Y | -7.077 | -7.077 | 0 | %100 |
| 51 | M193 | Y | -9.35 | -9.35 | 0 | %100 |
| 52 | M194 | Y | -9.35 | -9.35 | 0 | %100 |
| 53 | M205 | Y | -6.523 | -6.523 | 0 | %100 |
| 54 | M208 | Y | -6.523 | -6.523 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | 0 | 0 | 0 | %100 |
| 2 | M64 | Z | 0 | 0 | 0 | %100 |
| 3 | M22 | X | 0 | 0 | 0 | %100 |
| 4 | M22 | Z | -3.013 | -3.013 | 0 | %100 |
| 5 | M23 | X | 0 | 0 | 0 | %100 |
| 6 | M23 | Z | -3.013 | -3.013 | 0 | %100 |
| 7 | M27A | X | 0 | 0 | 0 | %100 |
| 8 | M27A | Z | -17.21 | -17.21 | 0 | %100 |
| 9 | FACE2 | X | 0 | 0 | 0 | %100 |
| 10 | FACE2 | Z | -12.894 | -12.894 | 0 | %100 |
| 11 | M38 | X | 0 | 0 | 0 | %100 |
| 12 | M38 | Z | -12.894 | -12.894 | 0 | %100 |
| 13 | M49A | X | 0 | 0 | 0 | %100 |
| 14 | M49A | Z | -9.433 | -9.433 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 15 | MP1A | X | 0 | 0 | 0 | %100 |
| 16 | MP1A | Z | -11.418 | -11.418 | 0 | %100 |
| 17 | MP2A | X | 0 | 0 | 0 | %100 |
| 18 | MP2A | Z | -11.418 | -11.418 | 0 | %100 |
| 19 | MP3A | X | 0 | 0 | 0 | %100 |
| 20 | MP3A | Z | -11.418 | -11.418 | 0 | %100 |
| 21 | MP4A | X | 0 | 0 | 0 | %100 |
| 22 | MP4A | Z | -11.418 | -11.418 | 0 | %100 |
| 23 | MP5A | X | 0 | 0 | 0 | %100 |
| 24 | MP5A | Z | -11.418 | -11.418 | 0 | %100 |
| 25 | M96 | X | 0 | 0 | 0 | %100 |
| 26 | M96 | Z | -14.055 | -14.055 | 0 | %100 |
| 27 | M98 | X | 0 | 0 | 0 | %100 |
| 28 | M98 | Z | -26.538 | -26.538 | 0 | %100 |
| 29 | M105A | X | 0 | 0 | 0 | %100 |
| 30 | M105A | Z | -21.513 | -21.513 | 0 | %100 |
| 31 | M99 | X | 0 | 0 | 0 | %100 |
| 32 | M99 | Z | 0 | 0 | 0 | %100 |
| 33 | M100 | X | 0 | 0 | 0 | %100 |
| 34 | M100 | Z | 0 | 0 | 0 | %100 |
| 35 | M146 | X | 0 | 0 | 0 | %100 |
| 36 | M146 | Z | -8.44 | -8.44 | 0 | %100 |
| 37 | M192 | X | 0 | 0 | 0 | %100 |
| 38 | M192 | Z | -8.44 | -8.44 | 0 | %100 |
| 39 | OVP | X | 0 | 0 | 0 | %100 |
| 40 | OVP | Z | -7.897 | -7.897 | 0 | %100 |
| 41 | M135A | X | 0 | 0 | 0 | %100 |
| 42 | M135A | Z | -3.224 | -3.224 | 0 | %100 |
| 43 | M136A | X | 0 | 0 | 0 | %100 |
| 44 | M136A | Z | -3.224 | -3.224 | 0 | %100 |
| 45 | M147 | X | 0 | 0 | 0 | %100 |
| 46 | M147 | Z | -2.358 | -2.358 | 0 | %100 |
| 47 | MP1C | X | 0 | 0 | 0 | %100 |
| 48 | MP1C | Z | -11.418 | -11.418 | 0 | %100 |
| 49 | MP2C | X | 0 | 0 | 0 | %100 |
| 50 | MP2C | Z | -11.418 | -11.418 | 0 | %100 |
| 51 | MP3C | X | 0 | 0 | 0 | %100 |
| 52 | MP3C | Z | -11.418 | -11.418 | 0 | %100 |
| 53 | MP4C | X | 0 | 0 | 0 | %100 |
| 54 | MP4C | Z | -11.418 | -11.418 | 0 | %100 |
| 55 | MP5C | X | 0 | 0 | 0 | %100 |
| 56 | MP5C | Z | -11.418 | -11.418 | 0 | %100 |
| 57 | M153 | X | 0 | 0 | 0 | %100 |
| 58 | M153 | Z | -3.224 | -3.224 | 0 | %100 |
| 59 | M154 | X | 0 | 0 | 0 | %100 |
| 60 | M154 | Z | -3.224 | -3.224 | 0 | %100 |
| 61 | M165A | X | 0 | 0 | 0 | %100 |
| 62 | M165A | Z | -2.358 | -2.358 | 0 | %100 |
| 63 | MP1B | X | 0 | 0 | 0 | %100 |
| 64 | MP1B | Z | -11.418 | -11.418 | 0 | %100 |
| 65 | MP2B | X | 0 | 0 | 0 | %100 |
| 66 | MP2B | Z | -11.418 | -11.418 | 0 | %100 |
| 67 | MP3B | X | 0 | 0 | 0 | %100 |
| 68 | MP3B | Z | -11.418 | -11.418 | 0 | %100 |
| 69 | MP4B | X | 0 | 0 | 0 | %100 |
| 70 | MP4B | Z | -11.418 | -11.418 | 0 | %100 |
| 71 | MP5B | X | 0 | 0 | 0 | %100 |
| 72 | MP5B | Z | -11.418 | -11.418 | 0 | %100 |
| 73 | M169C | X | 0 | 0 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft,... | End Magnitude[lb/ft,... | Start Location[ft, %] | End Location[ft, %] |
|-----|--------------|-----------|---------------------------|-------------------------|-----------------------|---------------------|
| 74 | M169C | Z | -8.716 | -8.716 | 0 | %100 |
| 75 | M170C | X | 0 | 0 | 0 | %100 |
| 76 | M170C | Z | -3.013 | -3.013 | 0 | %100 |
| 77 | M171B | X | 0 | 0 | 0 | %100 |
| 78 | M171B | Z | -12.054 | -12.054 | 0 | %100 |
| 79 | M172A | X | 0 | 0 | 0 | %100 |
| 80 | M172A | Z | -4.303 | -4.303 | 0 | %100 |
| 81 | M174A | X | 0 | 0 | 0 | %100 |
| 82 | M174A | Z | -21.528 | -21.528 | 0 | %100 |
| 83 | M175A | X | 0 | 0 | 0 | %100 |
| 84 | M175A | Z | -5.378 | -5.378 | 0 | %100 |
| 85 | M176A | X | 0 | 0 | 0 | %100 |
| 86 | M176A | Z | -8.44 | -8.44 | 0 | %100 |
| 87 | M177A | X | 0 | 0 | 0 | %100 |
| 88 | M177A | Z | -8.44 | -8.44 | 0 | %100 |
| 89 | M186A | X | 0 | 0 | 0 | %100 |
| 90 | M186A | Z | -8.716 | -8.716 | 0 | %100 |
| 91 | M187A | X | 0 | 0 | 0 | %100 |
| 92 | M187A | Z | -12.054 | -12.054 | 0 | %100 |
| 93 | M188A | X | 0 | 0 | 0 | %100 |
| 94 | M188A | Z | -3.013 | -3.013 | 0 | %100 |
| 95 | M189A | X | 0 | 0 | 0 | %100 |
| 96 | M189A | Z | -4.303 | -4.303 | 0 | %100 |
| 97 | M191 | X | 0 | 0 | 0 | %100 |
| 98 | M191 | Z | -21.528 | -21.528 | 0 | %100 |
| 99 | M192A | X | 0 | 0 | 0 | %100 |
| 100 | M192A | Z | -5.378 | -5.378 | 0 | %100 |
| 101 | M193 | X | 0 | 0 | 0 | %100 |
| 102 | M193 | Z | -8.44 | -8.44 | 0 | %100 |
| 103 | M194 | X | 0 | 0 | 0 | %100 |
| 104 | M194 | Z | -8.44 | -8.44 | 0 | %100 |
| 105 | M205 | X | 0 | 0 | 0 | %100 |
| 106 | M205 | Z | -3.514 | -3.514 | 0 | %100 |
| 107 | M208 | X | 0 | 0 | 0 | %100 |
| 108 | M208 | Z | -3.514 | -3.514 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft,... | End Magnitude[lb/ft,... | Start Location[ft, %] | End Location[ft, %] |
|----|--------------|-----------|---------------------------|-------------------------|-----------------------|---------------------|
| 1 | M64 | X | 1.453 | 1.453 | 0 | %100 |
| 2 | M64 | Z | -2.516 | -2.516 | 0 | %100 |
| 3 | M22 | X | 4.52 | 4.52 | 0 | %100 |
| 4 | M22 | Z | -7.829 | -7.829 | 0 | %100 |
| 5 | M23 | X | 0 | 0 | 0 | %100 |
| 6 | M23 | Z | 0 | 0 | 0 | %100 |
| 7 | M27A | X | 6.454 | 6.454 | 0 | %100 |
| 8 | M27A | Z | -11.178 | -11.178 | 0 | %100 |
| 9 | FACE2 | X | 4.835 | 4.835 | 0 | %100 |
| 10 | FACE2 | Z | -8.375 | -8.375 | 0 | %100 |
| 11 | M38 | X | 4.835 | 4.835 | 0 | %100 |
| 12 | M38 | Z | -8.375 | -8.375 | 0 | %100 |
| 13 | M49A | X | 3.537 | 3.537 | 0 | %100 |
| 14 | M49A | Z | -6.127 | -6.127 | 0 | %100 |
| 15 | MP1A | X | 5.709 | 5.709 | 0 | %100 |
| 16 | MP1A | Z | -9.889 | -9.889 | 0 | %100 |
| 17 | MP2A | X | 5.709 | 5.709 | 0 | %100 |
| 18 | MP2A | Z | -9.889 | -9.889 | 0 | %100 |
| 19 | MP3A | X | 5.709 | 5.709 | 0 | %100 |
| 20 | MP3A | Z | -9.889 | -9.889 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 21 | MP4A | X | 5.709 | 5.709 | 0 | %100 |
| 22 | MP4A | Z | -9.889 | -9.889 | 0 | %100 |
| 23 | MP5A | X | 5.709 | 5.709 | 0 | %100 |
| 24 | MP5A | Z | -9.889 | -9.889 | 0 | %100 |
| 25 | M96 | X | 5.271 | 5.271 | 0 | %100 |
| 26 | M96 | Z | -9.129 | -9.129 | 0 | %100 |
| 27 | M98 | X | 12.434 | 12.434 | 0 | %100 |
| 28 | M98 | Z | -21.537 | -21.537 | 0 | %100 |
| 29 | M105A | X | 8.067 | 8.067 | 0 | %100 |
| 30 | M105A | Z | -13.973 | -13.973 | 0 | %100 |
| 31 | M99 | X | 1.407 | 1.407 | 0 | %100 |
| 32 | M99 | Z | -2.436 | -2.436 | 0 | %100 |
| 33 | M100 | X | 1.407 | 1.407 | 0 | %100 |
| 34 | M100 | Z | -2.436 | -2.436 | 0 | %100 |
| 35 | M146 | X | 1.407 | 1.407 | 0 | %100 |
| 36 | M146 | Z | -2.436 | -2.436 | 0 | %100 |
| 37 | M192 | X | 5.626 | 5.626 | 0 | %100 |
| 38 | M192 | Z | -9.745 | -9.745 | 0 | %100 |
| 39 | OVP | X | 3.949 | 3.949 | 0 | %100 |
| 40 | OVP | Z | -6.839 | -6.839 | 0 | %100 |
| 41 | M135A | X | 4.835 | 4.835 | 0 | %100 |
| 42 | M135A | Z | -8.375 | -8.375 | 0 | %100 |
| 43 | M136A | X | 4.835 | 4.835 | 0 | %100 |
| 44 | M136A | Z | -8.375 | -8.375 | 0 | %100 |
| 45 | M147 | X | 3.537 | 3.537 | 0 | %100 |
| 46 | M147 | Z | -6.127 | -6.127 | 0 | %100 |
| 47 | MP1C | X | 5.709 | 5.709 | 0 | %100 |
| 48 | MP1C | Z | -9.889 | -9.889 | 0 | %100 |
| 49 | MP2C | X | 5.709 | 5.709 | 0 | %100 |
| 50 | MP2C | Z | -9.889 | -9.889 | 0 | %100 |
| 51 | MP3C | X | 5.709 | 5.709 | 0 | %100 |
| 52 | MP3C | Z | -9.889 | -9.889 | 0 | %100 |
| 53 | MP4C | X | 5.709 | 5.709 | 0 | %100 |
| 54 | MP4C | Z | -9.889 | -9.889 | 0 | %100 |
| 55 | MP5C | X | 5.709 | 5.709 | 0 | %100 |
| 56 | MP5C | Z | -9.889 | -9.889 | 0 | %100 |
| 57 | M153 | X | 0 | 0 | 0 | %100 |
| 58 | M153 | Z | 0 | 0 | 0 | %100 |
| 59 | M154 | X | 0 | 0 | 0 | %100 |
| 60 | M154 | Z | 0 | 0 | 0 | %100 |
| 61 | M165A | X | 0 | 0 | 0 | %100 |
| 62 | M165A | Z | 0 | 0 | 0 | %100 |
| 63 | MP1B | X | 5.709 | 5.709 | 0 | %100 |
| 64 | MP1B | Z | -9.889 | -9.889 | 0 | %100 |
| 65 | MP2B | X | 5.709 | 5.709 | 0 | %100 |
| 66 | MP2B | Z | -9.889 | -9.889 | 0 | %100 |
| 67 | MP3B | X | 5.709 | 5.709 | 0 | %100 |
| 68 | MP3B | Z | -9.889 | -9.889 | 0 | %100 |
| 69 | MP4B | X | 5.709 | 5.709 | 0 | %100 |
| 70 | MP4B | Z | -9.889 | -9.889 | 0 | %100 |
| 71 | MP5B | X | 5.709 | 5.709 | 0 | %100 |
| 72 | MP5B | Z | -9.889 | -9.889 | 0 | %100 |
| 73 | M169C | X | 1.453 | 1.453 | 0 | %100 |
| 74 | M169C | Z | -2.516 | -2.516 | 0 | %100 |
| 75 | M170C | X | 0 | 0 | 0 | %100 |
| 76 | M170C | Z | 0 | 0 | 0 | %100 |
| 77 | M171B | X | 4.52 | 4.52 | 0 | %100 |
| 78 | M171B | Z | -7.829 | -7.829 | 0 | %100 |
| 79 | M172A | X | 6.454 | 6.454 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 80 | M172A | Z | -11.178 | -11.178 | 0 | %100 |
| 81 | M174A | X | 12.434 | 12.434 | 0 | %100 |
| 82 | M174A | Z | -21.537 | -21.537 | 0 | %100 |
| 83 | M175A | X | 8.067 | 8.067 | 0 | %100 |
| 84 | M175A | Z | -13.973 | -13.973 | 0 | %100 |
| 85 | M176A | X | 1.407 | 1.407 | 0 | %100 |
| 86 | M176A | Z | -2.436 | -2.436 | 0 | %100 |
| 87 | M177A | X | 1.407 | 1.407 | 0 | %100 |
| 88 | M177A | Z | -2.436 | -2.436 | 0 | %100 |
| 89 | M186A | X | 5.81 | 5.81 | 0 | %100 |
| 90 | M186A | Z | -10.064 | -10.064 | 0 | %100 |
| 91 | M187A | X | 4.52 | 4.52 | 0 | %100 |
| 92 | M187A | Z | -7.829 | -7.829 | 0 | %100 |
| 93 | M188A | X | 4.52 | 4.52 | 0 | %100 |
| 94 | M188A | Z | -7.829 | -7.829 | 0 | %100 |
| 95 | M189A | X | 0 | 0 | 0 | %100 |
| 96 | M189A | Z | 0 | 0 | 0 | %100 |
| 97 | M191 | X | 9.929 | 9.929 | 0 | %100 |
| 98 | M191 | Z | -17.198 | -17.198 | 0 | %100 |
| 99 | M192A | X | 0 | 0 | 0 | %100 |
| 100 | M192A | Z | 0 | 0 | 0 | %100 |
| 101 | M193 | X | 5.626 | 5.626 | 0 | %100 |
| 102 | M193 | Z | -9.745 | -9.745 | 0 | %100 |
| 103 | M194 | X | 5.626 | 5.626 | 0 | %100 |
| 104 | M194 | Z | -9.745 | -9.745 | 0 | %100 |
| 105 | M205 | X | 5.271 | 5.271 | 0 | %100 |
| 106 | M205 | Z | -9.129 | -9.129 | 0 | %100 |
| 107 | M208 | X | 0 | 0 | 0 | %100 |
| 108 | M208 | Z | 0 | 0 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | 7.548 | 7.548 | 0 | %100 |
| 2 | M64 | Z | -4.358 | -4.358 | 0 | %100 |
| 3 | M22 | X | 10.439 | 10.439 | 0 | %100 |
| 4 | M22 | Z | -6.027 | -6.027 | 0 | %100 |
| 5 | M23 | X | 2.61 | 2.61 | 0 | %100 |
| 6 | M23 | Z | -1.507 | -1.507 | 0 | %100 |
| 7 | M27A | X | 3.726 | 3.726 | 0 | %100 |
| 8 | M27A | Z | -2.151 | -2.151 | 0 | %100 |
| 9 | FACE2 | X | 2.792 | 2.792 | 0 | %100 |
| 10 | FACE2 | Z | -1.612 | -1.612 | 0 | %100 |
| 11 | M38 | X | 2.792 | 2.792 | 0 | %100 |
| 12 | M38 | Z | -1.612 | -1.612 | 0 | %100 |
| 13 | M49A | X | 2.042 | 2.042 | 0 | %100 |
| 14 | M49A | Z | -1.179 | -1.179 | 0 | %100 |
| 15 | MP1A | X | 9.889 | 9.889 | 0 | %100 |
| 16 | MP1A | Z | -5.709 | -5.709 | 0 | %100 |
| 17 | MP2A | X | 9.889 | 9.889 | 0 | %100 |
| 18 | MP2A | Z | -5.709 | -5.709 | 0 | %100 |
| 19 | MP3A | X | 9.889 | 9.889 | 0 | %100 |
| 20 | MP3A | Z | -5.709 | -5.709 | 0 | %100 |
| 21 | MP4A | X | 9.889 | 9.889 | 0 | %100 |
| 22 | MP4A | Z | -5.709 | -5.709 | 0 | %100 |
| 23 | MP5A | X | 9.889 | 9.889 | 0 | %100 |
| 24 | MP5A | Z | -5.709 | -5.709 | 0 | %100 |
| 25 | M96 | X | 3.043 | 3.043 | 0 | %100 |
| 26 | M96 | Z | -1.757 | -1.757 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 27 | M98 | X | 18.644 | 18.644 | 0 | %100 |
| 28 | M98 | Z | -10.764 | -10.764 | 0 | %100 |
| 29 | M105A | X | 4.658 | 4.658 | 0 | %100 |
| 30 | M105A | Z | -2.689 | -2.689 | 0 | %100 |
| 31 | M99 | X | 7.309 | 7.309 | 0 | %100 |
| 32 | M99 | Z | -4.22 | -4.22 | 0 | %100 |
| 33 | M100 | X | 7.309 | 7.309 | 0 | %100 |
| 34 | M100 | Z | -4.22 | -4.22 | 0 | %100 |
| 35 | M146 | X | 0 | 0 | 0 | %100 |
| 36 | M146 | Z | 0 | 0 | 0 | %100 |
| 37 | M192 | X | 7.309 | 7.309 | 0 | %100 |
| 38 | M192 | Z | -4.22 | -4.22 | 0 | %100 |
| 39 | OVP | X | 6.839 | 6.839 | 0 | %100 |
| 40 | OVP | Z | -3.949 | -3.949 | 0 | %100 |
| 41 | M135A | X | 11.167 | 11.167 | 0 | %100 |
| 42 | M135A | Z | -6.447 | -6.447 | 0 | %100 |
| 43 | M136A | X | 11.167 | 11.167 | 0 | %100 |
| 44 | M136A | Z | -6.447 | -6.447 | 0 | %100 |
| 45 | M147 | X | 8.169 | 8.169 | 0 | %100 |
| 46 | M147 | Z | -4.716 | -4.716 | 0 | %100 |
| 47 | MP1C | X | 9.889 | 9.889 | 0 | %100 |
| 48 | MP1C | Z | -5.709 | -5.709 | 0 | %100 |
| 49 | MP2C | X | 9.889 | 9.889 | 0 | %100 |
| 50 | MP2C | Z | -5.709 | -5.709 | 0 | %100 |
| 51 | MP3C | X | 9.889 | 9.889 | 0 | %100 |
| 52 | MP3C | Z | -5.709 | -5.709 | 0 | %100 |
| 53 | MP4C | X | 9.889 | 9.889 | 0 | %100 |
| 54 | MP4C | Z | -5.709 | -5.709 | 0 | %100 |
| 55 | MP5C | X | 9.889 | 9.889 | 0 | %100 |
| 56 | MP5C | Z | -5.709 | -5.709 | 0 | %100 |
| 57 | M153 | X | 2.792 | 2.792 | 0 | %100 |
| 58 | M153 | Z | -1.612 | -1.612 | 0 | %100 |
| 59 | M154 | X | 2.792 | 2.792 | 0 | %100 |
| 60 | M154 | Z | -1.612 | -1.612 | 0 | %100 |
| 61 | M165A | X | 2.042 | 2.042 | 0 | %100 |
| 62 | M165A | Z | -1.179 | -1.179 | 0 | %100 |
| 63 | MP1B | X | 9.889 | 9.889 | 0 | %100 |
| 64 | MP1B | Z | -5.709 | -5.709 | 0 | %100 |
| 65 | MP2B | X | 9.889 | 9.889 | 0 | %100 |
| 66 | MP2B | Z | -5.709 | -5.709 | 0 | %100 |
| 67 | MP3B | X | 9.889 | 9.889 | 0 | %100 |
| 68 | MP3B | Z | -5.709 | -5.709 | 0 | %100 |
| 69 | MP4B | X | 9.889 | 9.889 | 0 | %100 |
| 70 | MP4B | Z | -5.709 | -5.709 | 0 | %100 |
| 71 | MP5B | X | 9.889 | 9.889 | 0 | %100 |
| 72 | MP5B | Z | -5.709 | -5.709 | 0 | %100 |
| 73 | M169C | X | 0 | 0 | 0 | %100 |
| 74 | M169C | Z | 0 | 0 | 0 | %100 |
| 75 | M170C | X | 2.61 | 2.61 | 0 | %100 |
| 76 | M170C | Z | -1.507 | -1.507 | 0 | %100 |
| 77 | M171B | X | 2.61 | 2.61 | 0 | %100 |
| 78 | M171B | Z | -1.507 | -1.507 | 0 | %100 |
| 79 | M172A | X | 14.905 | 14.905 | 0 | %100 |
| 80 | M172A | Z | -8.605 | -8.605 | 0 | %100 |
| 81 | M174A | X | 22.983 | 22.983 | 0 | %100 |
| 82 | M174A | Z | -13.269 | -13.269 | 0 | %100 |
| 83 | M175A | X | 18.631 | 18.631 | 0 | %100 |
| 84 | M175A | Z | -10.757 | -10.757 | 0 | %100 |
| 85 | M176A | X | 0 | 0 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 86 | M176A | Z | 0 | 0 | 0 | %100 |
| 87 | M177A | X | 0 | 0 | 0 | %100 |
| 88 | M177A | Z | 0 | 0 | 0 | %100 |
| 89 | M186A | X | 7.548 | 7.548 | 0 | %100 |
| 90 | M186A | Z | -4.358 | -4.358 | 0 | %100 |
| 91 | M187A | X | 2.61 | 2.61 | 0 | %100 |
| 92 | M187A | Z | -1.507 | -1.507 | 0 | %100 |
| 93 | M188A | X | 10.439 | 10.439 | 0 | %100 |
| 94 | M188A | Z | -6.027 | -6.027 | 0 | %100 |
| 95 | M189A | X | 3.726 | 3.726 | 0 | %100 |
| 96 | M189A | Z | -2.151 | -2.151 | 0 | %100 |
| 97 | M191 | X | 18.644 | 18.644 | 0 | %100 |
| 98 | M191 | Z | -10.764 | -10.764 | 0 | %100 |
| 99 | M192A | X | 4.658 | 4.658 | 0 | %100 |
| 100 | M192A | Z | -2.689 | -2.689 | 0 | %100 |
| 101 | M193 | X | 7.309 | 7.309 | 0 | %100 |
| 102 | M193 | Z | -4.22 | -4.22 | 0 | %100 |
| 103 | M194 | X | 7.309 | 7.309 | 0 | %100 |
| 104 | M194 | Z | -4.22 | -4.22 | 0 | %100 |
| 105 | M205 | X | 12.172 | 12.172 | 0 | %100 |
| 106 | M205 | Z | -7.028 | -7.028 | 0 | %100 |
| 107 | M208 | X | 3.043 | 3.043 | 0 | %100 |
| 108 | M208 | Z | -1.757 | -1.757 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | 11.621 | 11.621 | 0 | %100 |
| 2 | M64 | Z | 0 | 0 | 0 | %100 |
| 3 | M22 | X | 9.04 | 9.04 | 0 | %100 |
| 4 | M22 | Z | 0 | 0 | 0 | %100 |
| 5 | M23 | X | 9.04 | 9.04 | 0 | %100 |
| 6 | M23 | Z | 0 | 0 | 0 | %100 |
| 7 | M27A | X | 0 | 0 | 0 | %100 |
| 8 | M27A | Z | 0 | 0 | 0 | %100 |
| 9 | FACE2 | X | 0 | 0 | 0 | %100 |
| 10 | FACE2 | Z | 0 | 0 | 0 | %100 |
| 11 | M38 | X | 0 | 0 | 0 | %100 |
| 12 | M38 | Z | 0 | 0 | 0 | %100 |
| 13 | M49A | X | 0 | 0 | 0 | %100 |
| 14 | M49A | Z | 0 | 0 | 0 | %100 |
| 15 | MP1A | X | 11.418 | 11.418 | 0 | %100 |
| 16 | MP1A | Z | 0 | 0 | 0 | %100 |
| 17 | MP2A | X | 11.418 | 11.418 | 0 | %100 |
| 18 | MP2A | Z | 0 | 0 | 0 | %100 |
| 19 | MP3A | X | 11.418 | 11.418 | 0 | %100 |
| 20 | MP3A | Z | 0 | 0 | 0 | %100 |
| 21 | MP4A | X | 11.418 | 11.418 | 0 | %100 |
| 22 | MP4A | Z | 0 | 0 | 0 | %100 |
| 23 | MP5A | X | 11.418 | 11.418 | 0 | %100 |
| 24 | MP5A | Z | 0 | 0 | 0 | %100 |
| 25 | M96 | X | 0 | 0 | 0 | %100 |
| 26 | M96 | Z | 0 | 0 | 0 | %100 |
| 27 | M98 | X | 19.858 | 19.858 | 0 | %100 |
| 28 | M98 | Z | 0 | 0 | 0 | %100 |
| 29 | M105A | X | 0 | 0 | 0 | %100 |
| 30 | M105A | Z | 0 | 0 | 0 | %100 |
| 31 | M99 | X | 11.253 | 11.253 | 0 | %100 |
| 32 | M99 | Z | 0 | 0 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 33 | M100 | X | 11.253 | 11.253 | 0 | %100 |
| 34 | M100 | Z | 0 | 0 | 0 | %100 |
| 35 | M146 | X | 2.813 | 2.813 | 0 | %100 |
| 36 | M146 | Z | 0 | 0 | 0 | %100 |
| 37 | M192 | X | 2.813 | 2.813 | 0 | %100 |
| 38 | M192 | Z | 0 | 0 | 0 | %100 |
| 39 | OVP | X | 7.897 | 7.897 | 0 | %100 |
| 40 | OVP | Z | 0 | 0 | 0 | %100 |
| 41 | M135A | X | 9.671 | 9.671 | 0 | %100 |
| 42 | M135A | Z | 0 | 0 | 0 | %100 |
| 43 | M136A | X | 9.671 | 9.671 | 0 | %100 |
| 44 | M136A | Z | 0 | 0 | 0 | %100 |
| 45 | M147 | X | 7.074 | 7.074 | 0 | %100 |
| 46 | M147 | Z | 0 | 0 | 0 | %100 |
| 47 | MP1C | X | 11.418 | 11.418 | 0 | %100 |
| 48 | MP1C | Z | 0 | 0 | 0 | %100 |
| 49 | MP2C | X | 11.418 | 11.418 | 0 | %100 |
| 50 | MP2C | Z | 0 | 0 | 0 | %100 |
| 51 | MP3C | X | 11.418 | 11.418 | 0 | %100 |
| 52 | MP3C | Z | 0 | 0 | 0 | %100 |
| 53 | MP4C | X | 11.418 | 11.418 | 0 | %100 |
| 54 | MP4C | Z | 0 | 0 | 0 | %100 |
| 55 | MP5C | X | 11.418 | 11.418 | 0 | %100 |
| 56 | MP5C | Z | 0 | 0 | 0 | %100 |
| 57 | M153 | X | 9.671 | 9.671 | 0 | %100 |
| 58 | M153 | Z | 0 | 0 | 0 | %100 |
| 59 | M154 | X | 9.671 | 9.671 | 0 | %100 |
| 60 | M154 | Z | 0 | 0 | 0 | %100 |
| 61 | M165A | X | 7.074 | 7.074 | 0 | %100 |
| 62 | M165A | Z | 0 | 0 | 0 | %100 |
| 63 | MP1B | X | 11.418 | 11.418 | 0 | %100 |
| 64 | MP1B | Z | 0 | 0 | 0 | %100 |
| 65 | MP2B | X | 11.418 | 11.418 | 0 | %100 |
| 66 | MP2B | Z | 0 | 0 | 0 | %100 |
| 67 | MP3B | X | 11.418 | 11.418 | 0 | %100 |
| 68 | MP3B | Z | 0 | 0 | 0 | %100 |
| 69 | MP4B | X | 11.418 | 11.418 | 0 | %100 |
| 70 | MP4B | Z | 0 | 0 | 0 | %100 |
| 71 | MP5B | X | 11.418 | 11.418 | 0 | %100 |
| 72 | MP5B | Z | 0 | 0 | 0 | %100 |
| 73 | M169C | X | 2.905 | 2.905 | 0 | %100 |
| 74 | M169C | Z | 0 | 0 | 0 | %100 |
| 75 | M170C | X | 9.04 | 9.04 | 0 | %100 |
| 76 | M170C | Z | 0 | 0 | 0 | %100 |
| 77 | M171B | X | 0 | 0 | 0 | %100 |
| 78 | M171B | Z | 0 | 0 | 0 | %100 |
| 79 | M172A | X | 12.908 | 12.908 | 0 | %100 |
| 80 | M172A | Z | 0 | 0 | 0 | %100 |
| 81 | M174A | X | 24.868 | 24.868 | 0 | %100 |
| 82 | M174A | Z | 0 | 0 | 0 | %100 |
| 83 | M175A | X | 16.135 | 16.135 | 0 | %100 |
| 84 | M175A | Z | 0 | 0 | 0 | %100 |
| 85 | M176A | X | 2.813 | 2.813 | 0 | %100 |
| 86 | M176A | Z | 0 | 0 | 0 | %100 |
| 87 | M177A | X | 2.813 | 2.813 | 0 | %100 |
| 88 | M177A | Z | 0 | 0 | 0 | %100 |
| 89 | M186A | X | 2.905 | 2.905 | 0 | %100 |
| 90 | M186A | Z | 0 | 0 | 0 | %100 |
| 91 | M187A | X | 0 | 0 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 92 | M187A | Z | 0 | 0 | 0 | %100 |
| 93 | M188A | X | 9.04 | 9.04 | 0 | %100 |
| 94 | M188A | Z | 0 | 0 | 0 | %100 |
| 95 | M189A | X | 12.908 | 12.908 | 0 | %100 |
| 96 | M189A | Z | 0 | 0 | 0 | %100 |
| 97 | M191 | X | 24.868 | 24.868 | 0 | %100 |
| 98 | M191 | Z | 0 | 0 | 0 | %100 |
| 99 | M192A | X | 16.135 | 16.135 | 0 | %100 |
| 100 | M192A | Z | 0 | 0 | 0 | %100 |
| 101 | M193 | X | 2.813 | 2.813 | 0 | %100 |
| 102 | M193 | Z | 0 | 0 | 0 | %100 |
| 103 | M194 | X | 2.813 | 2.813 | 0 | %100 |
| 104 | M194 | Z | 0 | 0 | 0 | %100 |
| 105 | M205 | X | 10.542 | 10.542 | 0 | %100 |
| 106 | M205 | Z | 0 | 0 | 0 | %100 |
| 107 | M208 | X | 10.542 | 10.542 | 0 | %100 |
| 108 | M208 | Z | 0 | 0 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | 7.548 | 7.548 | 0 | %100 |
| 2 | M64 | Z | 4.358 | 4.358 | 0 | %100 |
| 3 | M22 | X | 2.61 | 2.61 | 0 | %100 |
| 4 | M22 | Z | 1.507 | 1.507 | 0 | %100 |
| 5 | M23 | X | 10.439 | 10.439 | 0 | %100 |
| 6 | M23 | Z | 6.027 | 6.027 | 0 | %100 |
| 7 | M27A | X | 3.726 | 3.726 | 0 | %100 |
| 8 | M27A | Z | 2.151 | 2.151 | 0 | %100 |
| 9 | FACE2 | X | 2.792 | 2.792 | 0 | %100 |
| 10 | FACE2 | Z | 1.612 | 1.612 | 0 | %100 |
| 11 | M38 | X | 2.792 | 2.792 | 0 | %100 |
| 12 | M38 | Z | 1.612 | 1.612 | 0 | %100 |
| 13 | M49A | X | 2.042 | 2.042 | 0 | %100 |
| 14 | M49A | Z | 1.179 | 1.179 | 0 | %100 |
| 15 | MP1A | X | 9.889 | 9.889 | 0 | %100 |
| 16 | MP1A | Z | 5.709 | 5.709 | 0 | %100 |
| 17 | MP2A | X | 9.889 | 9.889 | 0 | %100 |
| 18 | MP2A | Z | 5.709 | 5.709 | 0 | %100 |
| 19 | MP3A | X | 9.889 | 9.889 | 0 | %100 |
| 20 | MP3A | Z | 5.709 | 5.709 | 0 | %100 |
| 21 | MP4A | X | 9.889 | 9.889 | 0 | %100 |
| 22 | MP4A | Z | 5.709 | 5.709 | 0 | %100 |
| 23 | MP5A | X | 9.889 | 9.889 | 0 | %100 |
| 24 | MP5A | Z | 5.709 | 5.709 | 0 | %100 |
| 25 | M96 | X | 3.043 | 3.043 | 0 | %100 |
| 26 | M96 | Z | 1.757 | 1.757 | 0 | %100 |
| 27 | M98 | X | 18.644 | 18.644 | 0 | %100 |
| 28 | M98 | Z | 10.764 | 10.764 | 0 | %100 |
| 29 | M105A | X | 4.658 | 4.658 | 0 | %100 |
| 30 | M105A | Z | 2.689 | 2.689 | 0 | %100 |
| 31 | M99 | X | 7.309 | 7.309 | 0 | %100 |
| 32 | M99 | Z | 4.22 | 4.22 | 0 | %100 |
| 33 | M100 | X | 7.309 | 7.309 | 0 | %100 |
| 34 | M100 | Z | 4.22 | 4.22 | 0 | %100 |
| 35 | M146 | X | 7.309 | 7.309 | 0 | %100 |
| 36 | M146 | Z | 4.22 | 4.22 | 0 | %100 |
| 37 | M192 | X | 0 | 0 | 0 | %100 |
| 38 | M192 | Z | 0 | 0 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 39 | OVP | X | 6.839 | 6.839 | 0 | %100 |
| 40 | OVP | Z | 3.949 | 3.949 | 0 | %100 |
| 41 | M135A | X | 2.792 | 2.792 | 0 | %100 |
| 42 | M135A | Z | 1.612 | 1.612 | 0 | %100 |
| 43 | M136A | X | 2.792 | 2.792 | 0 | %100 |
| 44 | M136A | Z | 1.612 | 1.612 | 0 | %100 |
| 45 | M147 | X | 2.042 | 2.042 | 0 | %100 |
| 46 | M147 | Z | 1.179 | 1.179 | 0 | %100 |
| 47 | MP1C | X | 9.889 | 9.889 | 0 | %100 |
| 48 | MP1C | Z | 5.709 | 5.709 | 0 | %100 |
| 49 | MP2C | X | 9.889 | 9.889 | 0 | %100 |
| 50 | MP2C | Z | 5.709 | 5.709 | 0 | %100 |
| 51 | MP3C | X | 9.889 | 9.889 | 0 | %100 |
| 52 | MP3C | Z | 5.709 | 5.709 | 0 | %100 |
| 53 | MP4C | X | 9.889 | 9.889 | 0 | %100 |
| 54 | MP4C | Z | 5.709 | 5.709 | 0 | %100 |
| 55 | MP5C | X | 9.889 | 9.889 | 0 | %100 |
| 56 | MP5C | Z | 5.709 | 5.709 | 0 | %100 |
| 57 | M153 | X | 11.167 | 11.167 | 0 | %100 |
| 58 | M153 | Z | 6.447 | 6.447 | 0 | %100 |
| 59 | M154 | X | 11.167 | 11.167 | 0 | %100 |
| 60 | M154 | Z | 6.447 | 6.447 | 0 | %100 |
| 61 | M165A | X | 8.169 | 8.169 | 0 | %100 |
| 62 | M165A | Z | 4.716 | 4.716 | 0 | %100 |
| 63 | MP1B | X | 9.889 | 9.889 | 0 | %100 |
| 64 | MP1B | Z | 5.709 | 5.709 | 0 | %100 |
| 65 | MP2B | X | 9.889 | 9.889 | 0 | %100 |
| 66 | MP2B | Z | 5.709 | 5.709 | 0 | %100 |
| 67 | MP3B | X | 9.889 | 9.889 | 0 | %100 |
| 68 | MP3B | Z | 5.709 | 5.709 | 0 | %100 |
| 69 | MP4B | X | 9.889 | 9.889 | 0 | %100 |
| 70 | MP4B | Z | 5.709 | 5.709 | 0 | %100 |
| 71 | MP5B | X | 9.889 | 9.889 | 0 | %100 |
| 72 | MP5B | Z | 5.709 | 5.709 | 0 | %100 |
| 73 | M169C | X | 7.548 | 7.548 | 0 | %100 |
| 74 | M169C | Z | 4.358 | 4.358 | 0 | %100 |
| 75 | M170C | X | 10.439 | 10.439 | 0 | %100 |
| 76 | M170C | Z | 6.027 | 6.027 | 0 | %100 |
| 77 | M171B | X | 2.61 | 2.61 | 0 | %100 |
| 78 | M171B | Z | 1.507 | 1.507 | 0 | %100 |
| 79 | M172A | X | 3.726 | 3.726 | 0 | %100 |
| 80 | M172A | Z | 2.151 | 2.151 | 0 | %100 |
| 81 | M174A | X | 18.644 | 18.644 | 0 | %100 |
| 82 | M174A | Z | 10.764 | 10.764 | 0 | %100 |
| 83 | M175A | X | 4.658 | 4.658 | 0 | %100 |
| 84 | M175A | Z | 2.689 | 2.689 | 0 | %100 |
| 85 | M176A | X | 7.309 | 7.309 | 0 | %100 |
| 86 | M176A | Z | 4.22 | 4.22 | 0 | %100 |
| 87 | M177A | X | 7.309 | 7.309 | 0 | %100 |
| 88 | M177A | Z | 4.22 | 4.22 | 0 | %100 |
| 89 | M186A | X | 0 | 0 | 0 | %100 |
| 90 | M186A | Z | 0 | 0 | 0 | %100 |
| 91 | M187A | X | 2.61 | 2.61 | 0 | %100 |
| 92 | M187A | Z | 1.507 | 1.507 | 0 | %100 |
| 93 | M188A | X | 2.61 | 2.61 | 0 | %100 |
| 94 | M188A | Z | 1.507 | 1.507 | 0 | %100 |
| 95 | M189A | X | 14.905 | 14.905 | 0 | %100 |
| 96 | M189A | Z | 8.605 | 8.605 | 0 | %100 |
| 97 | M191 | X | 22.983 | 22.983 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 98 | M191 | Z | 13.269 | 13.269 | 0 | %100 |
| 99 | M192A | X | 18.631 | 18.631 | 0 | %100 |
| 100 | M192A | Z | 10.757 | 10.757 | 0 | %100 |
| 101 | M193 | X | 0 | 0 | 0 | %100 |
| 102 | M193 | Z | 0 | 0 | 0 | %100 |
| 103 | M194 | X | 0 | 0 | 0 | %100 |
| 104 | M194 | Z | 0 | 0 | 0 | %100 |
| 105 | M205 | X | 3.043 | 3.043 | 0 | %100 |
| 106 | M205 | Z | 1.757 | 1.757 | 0 | %100 |
| 107 | M208 | X | 12.172 | 12.172 | 0 | %100 |
| 108 | M208 | Z | 7.028 | 7.028 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | 1.453 | 1.453 | 0 | %100 |
| 2 | M64 | Z | 2.516 | 2.516 | 0 | %100 |
| 3 | M22 | X | 0 | 0 | 0 | %100 |
| 4 | M22 | Z | 0 | 0 | 0 | %100 |
| 5 | M23 | X | 4.52 | 4.52 | 0 | %100 |
| 6 | M23 | Z | 7.829 | 7.829 | 0 | %100 |
| 7 | M27A | X | 6.454 | 6.454 | 0 | %100 |
| 8 | M27A | Z | 11.178 | 11.178 | 0 | %100 |
| 9 | FACE2 | X | 4.835 | 4.835 | 0 | %100 |
| 10 | FACE2 | Z | 8.375 | 8.375 | 0 | %100 |
| 11 | M38 | X | 4.835 | 4.835 | 0 | %100 |
| 12 | M38 | Z | 8.375 | 8.375 | 0 | %100 |
| 13 | M49A | X | 3.537 | 3.537 | 0 | %100 |
| 14 | M49A | Z | 6.127 | 6.127 | 0 | %100 |
| 15 | MP1A | X | 5.709 | 5.709 | 0 | %100 |
| 16 | MP1A | Z | 9.889 | 9.889 | 0 | %100 |
| 17 | MP2A | X | 5.709 | 5.709 | 0 | %100 |
| 18 | MP2A | Z | 9.889 | 9.889 | 0 | %100 |
| 19 | MP3A | X | 5.709 | 5.709 | 0 | %100 |
| 20 | MP3A | Z | 9.889 | 9.889 | 0 | %100 |
| 21 | MP4A | X | 5.709 | 5.709 | 0 | %100 |
| 22 | MP4A | Z | 9.889 | 9.889 | 0 | %100 |
| 23 | MP5A | X | 5.709 | 5.709 | 0 | %100 |
| 24 | MP5A | Z | 9.889 | 9.889 | 0 | %100 |
| 25 | M96 | X | 5.271 | 5.271 | 0 | %100 |
| 26 | M96 | Z | 9.129 | 9.129 | 0 | %100 |
| 27 | M98 | X | 12.434 | 12.434 | 0 | %100 |
| 28 | M98 | Z | 21.537 | 21.537 | 0 | %100 |
| 29 | M105A | X | 8.067 | 8.067 | 0 | %100 |
| 30 | M105A | Z | 13.973 | 13.973 | 0 | %100 |
| 31 | M99 | X | 1.407 | 1.407 | 0 | %100 |
| 32 | M99 | Z | 2.436 | 2.436 | 0 | %100 |
| 33 | M100 | X | 1.407 | 1.407 | 0 | %100 |
| 34 | M100 | Z | 2.436 | 2.436 | 0 | %100 |
| 35 | M146 | X | 5.626 | 5.626 | 0 | %100 |
| 36 | M146 | Z | 9.745 | 9.745 | 0 | %100 |
| 37 | M192 | X | 1.407 | 1.407 | 0 | %100 |
| 38 | M192 | Z | 2.436 | 2.436 | 0 | %100 |
| 39 | OVP | X | 3.949 | 3.949 | 0 | %100 |
| 40 | OVP | Z | 6.839 | 6.839 | 0 | %100 |
| 41 | M135A | X | 0 | 0 | 0 | %100 |
| 42 | M135A | Z | 0 | 0 | 0 | %100 |
| 43 | M136A | X | 0 | 0 | 0 | %100 |
| 44 | M136A | Z | 0 | 0 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 45 | M147 | X | 0 | 0 | 0 | %100 |
| 46 | M147 | Z | 0 | 0 | 0 | %100 |
| 47 | MP1C | X | 5.709 | 5.709 | 0 | %100 |
| 48 | MP1C | Z | 9.889 | 9.889 | 0 | %100 |
| 49 | MP2C | X | 5.709 | 5.709 | 0 | %100 |
| 50 | MP2C | Z | 9.889 | 9.889 | 0 | %100 |
| 51 | MP3C | X | 5.709 | 5.709 | 0 | %100 |
| 52 | MP3C | Z | 9.889 | 9.889 | 0 | %100 |
| 53 | MP4C | X | 5.709 | 5.709 | 0 | %100 |
| 54 | MP4C | Z | 9.889 | 9.889 | 0 | %100 |
| 55 | MP5C | X | 5.709 | 5.709 | 0 | %100 |
| 56 | MP5C | Z | 9.889 | 9.889 | 0 | %100 |
| 57 | M153 | X | 4.835 | 4.835 | 0 | %100 |
| 58 | M153 | Z | 8.375 | 8.375 | 0 | %100 |
| 59 | M154 | X | 4.835 | 4.835 | 0 | %100 |
| 60 | M154 | Z | 8.375 | 8.375 | 0 | %100 |
| 61 | M165A | X | 3.537 | 3.537 | 0 | %100 |
| 62 | M165A | Z | 6.127 | 6.127 | 0 | %100 |
| 63 | MP1B | X | 5.709 | 5.709 | 0 | %100 |
| 64 | MP1B | Z | 9.889 | 9.889 | 0 | %100 |
| 65 | MP2B | X | 5.709 | 5.709 | 0 | %100 |
| 66 | MP2B | Z | 9.889 | 9.889 | 0 | %100 |
| 67 | MP3B | X | 5.709 | 5.709 | 0 | %100 |
| 68 | MP3B | Z | 9.889 | 9.889 | 0 | %100 |
| 69 | MP4B | X | 5.709 | 5.709 | 0 | %100 |
| 70 | MP4B | Z | 9.889 | 9.889 | 0 | %100 |
| 71 | MP5B | X | 5.709 | 5.709 | 0 | %100 |
| 72 | MP5B | Z | 9.889 | 9.889 | 0 | %100 |
| 73 | M169C | X | 5.81 | 5.81 | 0 | %100 |
| 74 | M169C | Z | 10.064 | 10.064 | 0 | %100 |
| 75 | M170C | X | 4.52 | 4.52 | 0 | %100 |
| 76 | M170C | Z | 7.829 | 7.829 | 0 | %100 |
| 77 | M171B | X | 4.52 | 4.52 | 0 | %100 |
| 78 | M171B | Z | 7.829 | 7.829 | 0 | %100 |
| 79 | M172A | X | 0 | 0 | 0 | %100 |
| 80 | M172A | Z | 0 | 0 | 0 | %100 |
| 81 | M174A | X | 9.929 | 9.929 | 0 | %100 |
| 82 | M174A | Z | 17.198 | 17.198 | 0 | %100 |
| 83 | M175A | X | 0 | 0 | 0 | %100 |
| 84 | M175A | Z | 0 | 0 | 0 | %100 |
| 85 | M176A | X | 5.626 | 5.626 | 0 | %100 |
| 86 | M176A | Z | 9.745 | 9.745 | 0 | %100 |
| 87 | M177A | X | 5.626 | 5.626 | 0 | %100 |
| 88 | M177A | Z | 9.745 | 9.745 | 0 | %100 |
| 89 | M186A | X | 1.453 | 1.453 | 0 | %100 |
| 90 | M186A | Z | 2.516 | 2.516 | 0 | %100 |
| 91 | M187A | X | 4.52 | 4.52 | 0 | %100 |
| 92 | M187A | Z | 7.829 | 7.829 | 0 | %100 |
| 93 | M188A | X | 0 | 0 | 0 | %100 |
| 94 | M188A | Z | 0 | 0 | 0 | %100 |
| 95 | M189A | X | 6.454 | 6.454 | 0 | %100 |
| 96 | M189A | Z | 11.178 | 11.178 | 0 | %100 |
| 97 | M191 | X | 12.434 | 12.434 | 0 | %100 |
| 98 | M191 | Z | 21.537 | 21.537 | 0 | %100 |
| 99 | M192A | X | 8.067 | 8.067 | 0 | %100 |
| 100 | M192A | Z | 13.973 | 13.973 | 0 | %100 |
| 101 | M193 | X | 1.407 | 1.407 | 0 | %100 |
| 102 | M193 | Z | 2.436 | 2.436 | 0 | %100 |
| 103 | M194 | X | 1.407 | 1.407 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft,...] | End Magnitude[lb/ft,...] | Start Location[ft,%] | End Location[ft,%] |
|-----|--------------|-----------|----------------------------|--------------------------|----------------------|--------------------|
| 104 | M194 | Z | 2.436 | 2.436 | 0 | %100 |
| 105 | M205 | X | 0 | 0 | 0 | %100 |
| 106 | M205 | Z | 0 | 0 | 0 | %100 |
| 107 | M208 | X | 5.271 | 5.271 | 0 | %100 |
| 108 | M208 | Z | 9.129 | 9.129 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft,...] | End Magnitude[lb/ft,...] | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|----------------------------|--------------------------|----------------------|--------------------|
| 1 | M64 | X | 0 | 0 | 0 | %100 |
| 2 | M64 | Z | 0 | 0 | 0 | %100 |
| 3 | M22 | X | 0 | 0 | 0 | %100 |
| 4 | M22 | Z | 3.013 | 3.013 | 0 | %100 |
| 5 | M23 | X | 0 | 0 | 0 | %100 |
| 6 | M23 | Z | 3.013 | 3.013 | 0 | %100 |
| 7 | M27A | X | 0 | 0 | 0 | %100 |
| 8 | M27A | Z | 17.21 | 17.21 | 0 | %100 |
| 9 | FACE2 | X | 0 | 0 | 0 | %100 |
| 10 | FACE2 | Z | 12.894 | 12.894 | 0 | %100 |
| 11 | M38 | X | 0 | 0 | 0 | %100 |
| 12 | M38 | Z | 12.894 | 12.894 | 0 | %100 |
| 13 | M49A | X | 0 | 0 | 0 | %100 |
| 14 | M49A | Z | 9.433 | 9.433 | 0 | %100 |
| 15 | MP1A | X | 0 | 0 | 0 | %100 |
| 16 | MP1A | Z | 11.418 | 11.418 | 0 | %100 |
| 17 | MP2A | X | 0 | 0 | 0 | %100 |
| 18 | MP2A | Z | 11.418 | 11.418 | 0 | %100 |
| 19 | MP3A | X | 0 | 0 | 0 | %100 |
| 20 | MP3A | Z | 11.418 | 11.418 | 0 | %100 |
| 21 | MP4A | X | 0 | 0 | 0 | %100 |
| 22 | MP4A | Z | 11.418 | 11.418 | 0 | %100 |
| 23 | MP5A | X | 0 | 0 | 0 | %100 |
| 24 | MP5A | Z | 11.418 | 11.418 | 0 | %100 |
| 25 | M96 | X | 0 | 0 | 0 | %100 |
| 26 | M96 | Z | 14.055 | 14.055 | 0 | %100 |
| 27 | M98 | X | 0 | 0 | 0 | %100 |
| 28 | M98 | Z | 26.538 | 26.538 | 0 | %100 |
| 29 | M105A | X | 0 | 0 | 0 | %100 |
| 30 | M105A | Z | 21.513 | 21.513 | 0 | %100 |
| 31 | M99 | X | 0 | 0 | 0 | %100 |
| 32 | M99 | Z | 0 | 0 | 0 | %100 |
| 33 | M100 | X | 0 | 0 | 0 | %100 |
| 34 | M100 | Z | 0 | 0 | 0 | %100 |
| 35 | M146 | X | 0 | 0 | 0 | %100 |
| 36 | M146 | Z | 8.44 | 8.44 | 0 | %100 |
| 37 | M192 | X | 0 | 0 | 0 | %100 |
| 38 | M192 | Z | 8.44 | 8.44 | 0 | %100 |
| 39 | OVP | X | 0 | 0 | 0 | %100 |
| 40 | OVP | Z | 7.897 | 7.897 | 0 | %100 |
| 41 | M135A | X | 0 | 0 | 0 | %100 |
| 42 | M135A | Z | 3.224 | 3.224 | 0 | %100 |
| 43 | M136A | X | 0 | 0 | 0 | %100 |
| 44 | M136A | Z | 3.224 | 3.224 | 0 | %100 |
| 45 | M147 | X | 0 | 0 | 0 | %100 |
| 46 | M147 | Z | 2.358 | 2.358 | 0 | %100 |
| 47 | MP1C | X | 0 | 0 | 0 | %100 |
| 48 | MP1C | Z | 11.418 | 11.418 | 0 | %100 |
| 49 | MP2C | X | 0 | 0 | 0 | %100 |
| 50 | MP2C | Z | 11.418 | 11.418 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 51 | MP3C | X | 0 | 0 | 0 | %100 |
| 52 | MP3C | Z | 11.418 | 11.418 | 0 | %100 |
| 53 | MP4C | X | 0 | 0 | 0 | %100 |
| 54 | MP4C | Z | 11.418 | 11.418 | 0 | %100 |
| 55 | MP5C | X | 0 | 0 | 0 | %100 |
| 56 | MP5C | Z | 11.418 | 11.418 | 0 | %100 |
| 57 | M153 | X | 0 | 0 | 0 | %100 |
| 58 | M153 | Z | 3.224 | 3.224 | 0 | %100 |
| 59 | M154 | X | 0 | 0 | 0 | %100 |
| 60 | M154 | Z | 3.224 | 3.224 | 0 | %100 |
| 61 | M165A | X | 0 | 0 | 0 | %100 |
| 62 | M165A | Z | 2.358 | 2.358 | 0 | %100 |
| 63 | MP1B | X | 0 | 0 | 0 | %100 |
| 64 | MP1B | Z | 11.418 | 11.418 | 0 | %100 |
| 65 | MP2B | X | 0 | 0 | 0 | %100 |
| 66 | MP2B | Z | 11.418 | 11.418 | 0 | %100 |
| 67 | MP3B | X | 0 | 0 | 0 | %100 |
| 68 | MP3B | Z | 11.418 | 11.418 | 0 | %100 |
| 69 | MP4B | X | 0 | 0 | 0 | %100 |
| 70 | MP4B | Z | 11.418 | 11.418 | 0 | %100 |
| 71 | MP5B | X | 0 | 0 | 0 | %100 |
| 72 | MP5B | Z | 11.418 | 11.418 | 0 | %100 |
| 73 | M169C | X | 0 | 0 | 0 | %100 |
| 74 | M169C | Z | 8.716 | 8.716 | 0 | %100 |
| 75 | M170C | X | 0 | 0 | 0 | %100 |
| 76 | M170C | Z | 3.013 | 3.013 | 0 | %100 |
| 77 | M171B | X | 0 | 0 | 0 | %100 |
| 78 | M171B | Z | 12.054 | 12.054 | 0 | %100 |
| 79 | M172A | X | 0 | 0 | 0 | %100 |
| 80 | M172A | Z | 4.303 | 4.303 | 0 | %100 |
| 81 | M174A | X | 0 | 0 | 0 | %100 |
| 82 | M174A | Z | 21.528 | 21.528 | 0 | %100 |
| 83 | M175A | X | 0 | 0 | 0 | %100 |
| 84 | M175A | Z | 5.378 | 5.378 | 0 | %100 |
| 85 | M176A | X | 0 | 0 | 0 | %100 |
| 86 | M176A | Z | 8.44 | 8.44 | 0 | %100 |
| 87 | M177A | X | 0 | 0 | 0 | %100 |
| 88 | M177A | Z | 8.44 | 8.44 | 0 | %100 |
| 89 | M186A | X | 0 | 0 | 0 | %100 |
| 90 | M186A | Z | 8.716 | 8.716 | 0 | %100 |
| 91 | M187A | X | 0 | 0 | 0 | %100 |
| 92 | M187A | Z | 12.054 | 12.054 | 0 | %100 |
| 93 | M188A | X | 0 | 0 | 0 | %100 |
| 94 | M188A | Z | 3.013 | 3.013 | 0 | %100 |
| 95 | M189A | X | 0 | 0 | 0 | %100 |
| 96 | M189A | Z | 4.303 | 4.303 | 0 | %100 |
| 97 | M191 | X | 0 | 0 | 0 | %100 |
| 98 | M191 | Z | 21.528 | 21.528 | 0 | %100 |
| 99 | M192A | X | 0 | 0 | 0 | %100 |
| 100 | M192A | Z | 5.378 | 5.378 | 0 | %100 |
| 101 | M193 | X | 0 | 0 | 0 | %100 |
| 102 | M193 | Z | 8.44 | 8.44 | 0 | %100 |
| 103 | M194 | X | 0 | 0 | 0 | %100 |
| 104 | M194 | Z | 8.44 | 8.44 | 0 | %100 |
| 105 | M205 | X | 0 | 0 | 0 | %100 |
| 106 | M205 | Z | 3.514 | 3.514 | 0 | %100 |
| 107 | M208 | X | 0 | 0 | 0 | %100 |
| 108 | M208 | Z | 3.514 | 3.514 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | -1.453 | -1.453 | 0 | %100 |
| 2 | M64 | Z | 2.516 | 2.516 | 0 | %100 |
| 3 | M22 | X | -4.52 | -4.52 | 0 | %100 |
| 4 | M22 | Z | 7.829 | 7.829 | 0 | %100 |
| 5 | M23 | X | 0 | 0 | 0 | %100 |
| 6 | M23 | Z | 0 | 0 | 0 | %100 |
| 7 | M27A | X | -6.454 | -6.454 | 0 | %100 |
| 8 | M27A | Z | 11.178 | 11.178 | 0 | %100 |
| 9 | FACE2 | X | -4.835 | -4.835 | 0 | %100 |
| 10 | FACE2 | Z | 8.375 | 8.375 | 0 | %100 |
| 11 | M38 | X | -4.835 | -4.835 | 0 | %100 |
| 12 | M38 | Z | 8.375 | 8.375 | 0 | %100 |
| 13 | M49A | X | -3.537 | -3.537 | 0 | %100 |
| 14 | M49A | Z | 6.127 | 6.127 | 0 | %100 |
| 15 | MP1A | X | -5.709 | -5.709 | 0 | %100 |
| 16 | MP1A | Z | 9.889 | 9.889 | 0 | %100 |
| 17 | MP2A | X | -5.709 | -5.709 | 0 | %100 |
| 18 | MP2A | Z | 9.889 | 9.889 | 0 | %100 |
| 19 | MP3A | X | -5.709 | -5.709 | 0 | %100 |
| 20 | MP3A | Z | 9.889 | 9.889 | 0 | %100 |
| 21 | MP4A | X | -5.709 | -5.709 | 0 | %100 |
| 22 | MP4A | Z | 9.889 | 9.889 | 0 | %100 |
| 23 | MP5A | X | -5.709 | -5.709 | 0 | %100 |
| 24 | MP5A | Z | 9.889 | 9.889 | 0 | %100 |
| 25 | M96 | X | -5.271 | -5.271 | 0 | %100 |
| 26 | M96 | Z | 9.129 | 9.129 | 0 | %100 |
| 27 | M98 | X | -12.434 | -12.434 | 0 | %100 |
| 28 | M98 | Z | 21.537 | 21.537 | 0 | %100 |
| 29 | M105A | X | -8.067 | -8.067 | 0 | %100 |
| 30 | M105A | Z | 13.973 | 13.973 | 0 | %100 |
| 31 | M99 | X | -1.407 | -1.407 | 0 | %100 |
| 32 | M99 | Z | 2.436 | 2.436 | 0 | %100 |
| 33 | M100 | X | -1.407 | -1.407 | 0 | %100 |
| 34 | M100 | Z | 2.436 | 2.436 | 0 | %100 |
| 35 | M146 | X | -1.407 | -1.407 | 0 | %100 |
| 36 | M146 | Z | 2.436 | 2.436 | 0 | %100 |
| 37 | M192 | X | -5.626 | -5.626 | 0 | %100 |
| 38 | M192 | Z | 9.745 | 9.745 | 0 | %100 |
| 39 | OVP | X | -3.949 | -3.949 | 0 | %100 |
| 40 | OVP | Z | 6.839 | 6.839 | 0 | %100 |
| 41 | M135A | X | -4.835 | -4.835 | 0 | %100 |
| 42 | M135A | Z | 8.375 | 8.375 | 0 | %100 |
| 43 | M136A | X | -4.835 | -4.835 | 0 | %100 |
| 44 | M136A | Z | 8.375 | 8.375 | 0 | %100 |
| 45 | M147 | X | -3.537 | -3.537 | 0 | %100 |
| 46 | M147 | Z | 6.127 | 6.127 | 0 | %100 |
| 47 | MP1C | X | -5.709 | -5.709 | 0 | %100 |
| 48 | MP1C | Z | 9.889 | 9.889 | 0 | %100 |
| 49 | MP2C | X | -5.709 | -5.709 | 0 | %100 |
| 50 | MP2C | Z | 9.889 | 9.889 | 0 | %100 |
| 51 | MP3C | X | -5.709 | -5.709 | 0 | %100 |
| 52 | MP3C | Z | 9.889 | 9.889 | 0 | %100 |
| 53 | MP4C | X | -5.709 | -5.709 | 0 | %100 |
| 54 | MP4C | Z | 9.889 | 9.889 | 0 | %100 |
| 55 | MP5C | X | -5.709 | -5.709 | 0 | %100 |
| 56 | MP5C | Z | 9.889 | 9.889 | 0 | %100 |
| 57 | M153 | X | 0 | 0 | 0 | %100 |
| 58 | M153 | Z | 0 | 0 | 0 | %100 |
| 59 | M154 | X | 0 | 0 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 60 | M154 | Z | 0 | 0 | 0 | %100 |
| 61 | M165A | X | 0 | 0 | 0 | %100 |
| 62 | M165A | Z | 0 | 0 | 0 | %100 |
| 63 | MP1B | X | -5.709 | -5.709 | 0 | %100 |
| 64 | MP1B | Z | 9.889 | 9.889 | 0 | %100 |
| 65 | MP2B | X | -5.709 | -5.709 | 0 | %100 |
| 66 | MP2B | Z | 9.889 | 9.889 | 0 | %100 |
| 67 | MP3B | X | -5.709 | -5.709 | 0 | %100 |
| 68 | MP3B | Z | 9.889 | 9.889 | 0 | %100 |
| 69 | MP4B | X | -5.709 | -5.709 | 0 | %100 |
| 70 | MP4B | Z | 9.889 | 9.889 | 0 | %100 |
| 71 | MP5B | X | -5.709 | -5.709 | 0 | %100 |
| 72 | MP5B | Z | 9.889 | 9.889 | 0 | %100 |
| 73 | M169C | X | -1.453 | -1.453 | 0 | %100 |
| 74 | M169C | Z | 2.516 | 2.516 | 0 | %100 |
| 75 | M170C | X | 0 | 0 | 0 | %100 |
| 76 | M170C | Z | 0 | 0 | 0 | %100 |
| 77 | M171B | X | -4.52 | -4.52 | 0 | %100 |
| 78 | M171B | Z | 7.829 | 7.829 | 0 | %100 |
| 79 | M172A | X | -6.454 | -6.454 | 0 | %100 |
| 80 | M172A | Z | 11.178 | 11.178 | 0 | %100 |
| 81 | M174A | X | -12.434 | -12.434 | 0 | %100 |
| 82 | M174A | Z | 21.537 | 21.537 | 0 | %100 |
| 83 | M175A | X | -8.067 | -8.067 | 0 | %100 |
| 84 | M175A | Z | 13.973 | 13.973 | 0 | %100 |
| 85 | M176A | X | -1.407 | -1.407 | 0 | %100 |
| 86 | M176A | Z | 2.436 | 2.436 | 0 | %100 |
| 87 | M177A | X | -1.407 | -1.407 | 0 | %100 |
| 88 | M177A | Z | 2.436 | 2.436 | 0 | %100 |
| 89 | M186A | X | -5.81 | -5.81 | 0 | %100 |
| 90 | M186A | Z | 10.064 | 10.064 | 0 | %100 |
| 91 | M187A | X | -4.52 | -4.52 | 0 | %100 |
| 92 | M187A | Z | 7.829 | 7.829 | 0 | %100 |
| 93 | M188A | X | -4.52 | -4.52 | 0 | %100 |
| 94 | M188A | Z | 7.829 | 7.829 | 0 | %100 |
| 95 | M189A | X | 0 | 0 | 0 | %100 |
| 96 | M189A | Z | 0 | 0 | 0 | %100 |
| 97 | M191 | X | -9.929 | -9.929 | 0 | %100 |
| 98 | M191 | Z | 17.198 | 17.198 | 0 | %100 |
| 99 | M192A | X | 0 | 0 | 0 | %100 |
| 100 | M192A | Z | 0 | 0 | 0 | %100 |
| 101 | M193 | X | -5.626 | -5.626 | 0 | %100 |
| 102 | M193 | Z | 9.745 | 9.745 | 0 | %100 |
| 103 | M194 | X | -5.626 | -5.626 | 0 | %100 |
| 104 | M194 | Z | 9.745 | 9.745 | 0 | %100 |
| 105 | M205 | X | -5.271 | -5.271 | 0 | %100 |
| 106 | M205 | Z | 9.129 | 9.129 | 0 | %100 |
| 107 | M208 | X | 0 | 0 | 0 | %100 |
| 108 | M208 | Z | 0 | 0 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|---|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | -7.548 | -7.548 | 0 | %100 |
| 2 | M64 | Z | 4.358 | 4.358 | 0 | %100 |
| 3 | M22 | X | -10.439 | -10.439 | 0 | %100 |
| 4 | M22 | Z | 6.027 | 6.027 | 0 | %100 |
| 5 | M23 | X | -2.61 | -2.61 | 0 | %100 |
| 6 | M23 | Z | 1.507 | 1.507 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 7 | M27A | X | -3.726 | -3.726 | 0 | %100 |
| 8 | M27A | Z | 2.151 | 2.151 | 0 | %100 |
| 9 | FACE2 | X | -2.792 | -2.792 | 0 | %100 |
| 10 | FACE2 | Z | 1.612 | 1.612 | 0 | %100 |
| 11 | M38 | X | -2.792 | -2.792 | 0 | %100 |
| 12 | M38 | Z | 1.612 | 1.612 | 0 | %100 |
| 13 | M49A | X | -2.042 | -2.042 | 0 | %100 |
| 14 | M49A | Z | 1.179 | 1.179 | 0 | %100 |
| 15 | MP1A | X | -9.889 | -9.889 | 0 | %100 |
| 16 | MP1A | Z | 5.709 | 5.709 | 0 | %100 |
| 17 | MP2A | X | -9.889 | -9.889 | 0 | %100 |
| 18 | MP2A | Z | 5.709 | 5.709 | 0 | %100 |
| 19 | MP3A | X | -9.889 | -9.889 | 0 | %100 |
| 20 | MP3A | Z | 5.709 | 5.709 | 0 | %100 |
| 21 | MP4A | X | -9.889 | -9.889 | 0 | %100 |
| 22 | MP4A | Z | 5.709 | 5.709 | 0 | %100 |
| 23 | MP5A | X | -9.889 | -9.889 | 0 | %100 |
| 24 | MP5A | Z | 5.709 | 5.709 | 0 | %100 |
| 25 | M96 | X | -3.043 | -3.043 | 0 | %100 |
| 26 | M96 | Z | 1.757 | 1.757 | 0 | %100 |
| 27 | M98 | X | -18.644 | -18.644 | 0 | %100 |
| 28 | M98 | Z | 10.764 | 10.764 | 0 | %100 |
| 29 | M105A | X | -4.658 | -4.658 | 0 | %100 |
| 30 | M105A | Z | 2.689 | 2.689 | 0 | %100 |
| 31 | M99 | X | -7.309 | -7.309 | 0 | %100 |
| 32 | M99 | Z | 4.22 | 4.22 | 0 | %100 |
| 33 | M100 | X | -7.309 | -7.309 | 0 | %100 |
| 34 | M100 | Z | 4.22 | 4.22 | 0 | %100 |
| 35 | M146 | X | 0 | 0 | 0 | %100 |
| 36 | M146 | Z | 0 | 0 | 0 | %100 |
| 37 | M192 | X | -7.309 | -7.309 | 0 | %100 |
| 38 | M192 | Z | 4.22 | 4.22 | 0 | %100 |
| 39 | OVP | X | -6.839 | -6.839 | 0 | %100 |
| 40 | OVP | Z | 3.949 | 3.949 | 0 | %100 |
| 41 | M135A | X | -11.167 | -11.167 | 0 | %100 |
| 42 | M135A | Z | 6.447 | 6.447 | 0 | %100 |
| 43 | M136A | X | -11.167 | -11.167 | 0 | %100 |
| 44 | M136A | Z | 6.447 | 6.447 | 0 | %100 |
| 45 | M147 | X | -8.169 | -8.169 | 0 | %100 |
| 46 | M147 | Z | 4.716 | 4.716 | 0 | %100 |
| 47 | MP1C | X | -9.889 | -9.889 | 0 | %100 |
| 48 | MP1C | Z | 5.709 | 5.709 | 0 | %100 |
| 49 | MP2C | X | -9.889 | -9.889 | 0 | %100 |
| 50 | MP2C | Z | 5.709 | 5.709 | 0 | %100 |
| 51 | MP3C | X | -9.889 | -9.889 | 0 | %100 |
| 52 | MP3C | Z | 5.709 | 5.709 | 0 | %100 |
| 53 | MP4C | X | -9.889 | -9.889 | 0 | %100 |
| 54 | MP4C | Z | 5.709 | 5.709 | 0 | %100 |
| 55 | MP5C | X | -9.889 | -9.889 | 0 | %100 |
| 56 | MP5C | Z | 5.709 | 5.709 | 0 | %100 |
| 57 | M153 | X | -2.792 | -2.792 | 0 | %100 |
| 58 | M153 | Z | 1.612 | 1.612 | 0 | %100 |
| 59 | M154 | X | -2.792 | -2.792 | 0 | %100 |
| 60 | M154 | Z | 1.612 | 1.612 | 0 | %100 |
| 61 | M165A | X | -2.042 | -2.042 | 0 | %100 |
| 62 | M165A | Z | 1.179 | 1.179 | 0 | %100 |
| 63 | MP1B | X | -9.889 | -9.889 | 0 | %100 |
| 64 | MP1B | Z | 5.709 | 5.709 | 0 | %100 |
| 65 | MP2B | X | -9.889 | -9.889 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 66 | MP2B | Z | 5.709 | 5.709 | 0 | %100 |
| 67 | MP3B | X | -9.889 | -9.889 | 0 | %100 |
| 68 | MP3B | Z | 5.709 | 5.709 | 0 | %100 |
| 69 | MP4B | X | -9.889 | -9.889 | 0 | %100 |
| 70 | MP4B | Z | 5.709 | 5.709 | 0 | %100 |
| 71 | MP5B | X | -9.889 | -9.889 | 0 | %100 |
| 72 | MP5B | Z | 5.709 | 5.709 | 0 | %100 |
| 73 | M169C | X | 0 | 0 | 0 | %100 |
| 74 | M169C | Z | 0 | 0 | 0 | %100 |
| 75 | M170C | X | -2.61 | -2.61 | 0 | %100 |
| 76 | M170C | Z | 1.507 | 1.507 | 0 | %100 |
| 77 | M171B | X | -2.61 | -2.61 | 0 | %100 |
| 78 | M171B | Z | 1.507 | 1.507 | 0 | %100 |
| 79 | M172A | X | -14.905 | -14.905 | 0 | %100 |
| 80 | M172A | Z | 8.605 | 8.605 | 0 | %100 |
| 81 | M174A | X | -22.983 | -22.983 | 0 | %100 |
| 82 | M174A | Z | 13.269 | 13.269 | 0 | %100 |
| 83 | M175A | X | -18.631 | -18.631 | 0 | %100 |
| 84 | M175A | Z | 10.757 | 10.757 | 0 | %100 |
| 85 | M176A | X | 0 | 0 | 0 | %100 |
| 86 | M176A | Z | 0 | 0 | 0 | %100 |
| 87 | M177A | X | 0 | 0 | 0 | %100 |
| 88 | M177A | Z | 0 | 0 | 0 | %100 |
| 89 | M186A | X | -7.548 | -7.548 | 0 | %100 |
| 90 | M186A | Z | 4.358 | 4.358 | 0 | %100 |
| 91 | M187A | X | -2.61 | -2.61 | 0 | %100 |
| 92 | M187A | Z | 1.507 | 1.507 | 0 | %100 |
| 93 | M188A | X | -10.439 | -10.439 | 0 | %100 |
| 94 | M188A | Z | 6.027 | 6.027 | 0 | %100 |
| 95 | M189A | X | -3.726 | -3.726 | 0 | %100 |
| 96 | M189A | Z | 2.151 | 2.151 | 0 | %100 |
| 97 | M191 | X | -18.644 | -18.644 | 0 | %100 |
| 98 | M191 | Z | 10.764 | 10.764 | 0 | %100 |
| 99 | M192A | X | -4.658 | -4.658 | 0 | %100 |
| 100 | M192A | Z | 2.689 | 2.689 | 0 | %100 |
| 101 | M193 | X | -7.309 | -7.309 | 0 | %100 |
| 102 | M193 | Z | 4.22 | 4.22 | 0 | %100 |
| 103 | M194 | X | -7.309 | -7.309 | 0 | %100 |
| 104 | M194 | Z | 4.22 | 4.22 | 0 | %100 |
| 105 | M205 | X | -12.172 | -12.172 | 0 | %100 |
| 106 | M205 | Z | 7.028 | 7.028 | 0 | %100 |
| 107 | M208 | X | -3.043 | -3.043 | 0 | %100 |
| 108 | M208 | Z | 1.757 | 1.757 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | -11.621 | -11.621 | 0 | %100 |
| 2 | M64 | Z | 0 | 0 | 0 | %100 |
| 3 | M22 | X | -9.04 | -9.04 | 0 | %100 |
| 4 | M22 | Z | 0 | 0 | 0 | %100 |
| 5 | M23 | X | -9.04 | -9.04 | 0 | %100 |
| 6 | M23 | Z | 0 | 0 | 0 | %100 |
| 7 | M27A | X | 0 | 0 | 0 | %100 |
| 8 | M27A | Z | 0 | 0 | 0 | %100 |
| 9 | FACE2 | X | 0 | 0 | 0 | %100 |
| 10 | FACE2 | Z | 0 | 0 | 0 | %100 |
| 11 | M38 | X | 0 | 0 | 0 | %100 |
| 12 | M38 | Z | 0 | 0 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 13 | M49A | X | 0 | 0 | 0 | %100 |
| 14 | M49A | Z | 0 | 0 | 0 | %100 |
| 15 | MP1A | X | -11.418 | -11.418 | 0 | %100 |
| 16 | MP1A | Z | 0 | 0 | 0 | %100 |
| 17 | MP2A | X | -11.418 | -11.418 | 0 | %100 |
| 18 | MP2A | Z | 0 | 0 | 0 | %100 |
| 19 | MP3A | X | -11.418 | -11.418 | 0 | %100 |
| 20 | MP3A | Z | 0 | 0 | 0 | %100 |
| 21 | MP4A | X | -11.418 | -11.418 | 0 | %100 |
| 22 | MP4A | Z | 0 | 0 | 0 | %100 |
| 23 | MP5A | X | -11.418 | -11.418 | 0 | %100 |
| 24 | MP5A | Z | 0 | 0 | 0 | %100 |
| 25 | M96 | X | 0 | 0 | 0 | %100 |
| 26 | M96 | Z | 0 | 0 | 0 | %100 |
| 27 | M98 | X | -19.858 | -19.858 | 0 | %100 |
| 28 | M98 | Z | 0 | 0 | 0 | %100 |
| 29 | M105A | X | 0 | 0 | 0 | %100 |
| 30 | M105A | Z | 0 | 0 | 0 | %100 |
| 31 | M99 | X | -11.253 | -11.253 | 0 | %100 |
| 32 | M99 | Z | 0 | 0 | 0 | %100 |
| 33 | M100 | X | -11.253 | -11.253 | 0 | %100 |
| 34 | M100 | Z | 0 | 0 | 0 | %100 |
| 35 | M146 | X | -2.813 | -2.813 | 0 | %100 |
| 36 | M146 | Z | 0 | 0 | 0 | %100 |
| 37 | M192 | X | -2.813 | -2.813 | 0 | %100 |
| 38 | M192 | Z | 0 | 0 | 0 | %100 |
| 39 | OVP | X | -7.897 | -7.897 | 0 | %100 |
| 40 | OVP | Z | 0 | 0 | 0 | %100 |
| 41 | M135A | X | -9.671 | -9.671 | 0 | %100 |
| 42 | M135A | Z | 0 | 0 | 0 | %100 |
| 43 | M136A | X | -9.671 | -9.671 | 0 | %100 |
| 44 | M136A | Z | 0 | 0 | 0 | %100 |
| 45 | M147 | X | -7.074 | -7.074 | 0 | %100 |
| 46 | M147 | Z | 0 | 0 | 0 | %100 |
| 47 | MP1C | X | -11.418 | -11.418 | 0 | %100 |
| 48 | MP1C | Z | 0 | 0 | 0 | %100 |
| 49 | MP2C | X | -11.418 | -11.418 | 0 | %100 |
| 50 | MP2C | Z | 0 | 0 | 0 | %100 |
| 51 | MP3C | X | -11.418 | -11.418 | 0 | %100 |
| 52 | MP3C | Z | 0 | 0 | 0 | %100 |
| 53 | MP4C | X | -11.418 | -11.418 | 0 | %100 |
| 54 | MP4C | Z | 0 | 0 | 0 | %100 |
| 55 | MP5C | X | -11.418 | -11.418 | 0 | %100 |
| 56 | MP5C | Z | 0 | 0 | 0 | %100 |
| 57 | M153 | X | -9.671 | -9.671 | 0 | %100 |
| 58 | M153 | Z | 0 | 0 | 0 | %100 |
| 59 | M154 | X | -9.671 | -9.671 | 0 | %100 |
| 60 | M154 | Z | 0 | 0 | 0 | %100 |
| 61 | M165A | X | -7.074 | -7.074 | 0 | %100 |
| 62 | M165A | Z | 0 | 0 | 0 | %100 |
| 63 | MP1B | X | -11.418 | -11.418 | 0 | %100 |
| 64 | MP1B | Z | 0 | 0 | 0 | %100 |
| 65 | MP2B | X | -11.418 | -11.418 | 0 | %100 |
| 66 | MP2B | Z | 0 | 0 | 0 | %100 |
| 67 | MP3B | X | -11.418 | -11.418 | 0 | %100 |
| 68 | MP3B | Z | 0 | 0 | 0 | %100 |
| 69 | MP4B | X | -11.418 | -11.418 | 0 | %100 |
| 70 | MP4B | Z | 0 | 0 | 0 | %100 |
| 71 | MP5B | X | -11.418 | -11.418 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 72 | MP5B | Z | 0 | 0 | 0 | %100 |
| 73 | M169C | X | -2.905 | -2.905 | 0 | %100 |
| 74 | M169C | Z | 0 | 0 | 0 | %100 |
| 75 | M170C | X | -9.04 | -9.04 | 0 | %100 |
| 76 | M170C | Z | 0 | 0 | 0 | %100 |
| 77 | M171B | X | 0 | 0 | 0 | %100 |
| 78 | M171B | Z | 0 | 0 | 0 | %100 |
| 79 | M172A | X | -12.908 | -12.908 | 0 | %100 |
| 80 | M172A | Z | 0 | 0 | 0 | %100 |
| 81 | M174A | X | -24.868 | -24.868 | 0 | %100 |
| 82 | M174A | Z | 0 | 0 | 0 | %100 |
| 83 | M175A | X | -16.135 | -16.135 | 0 | %100 |
| 84 | M175A | Z | 0 | 0 | 0 | %100 |
| 85 | M176A | X | -2.813 | -2.813 | 0 | %100 |
| 86 | M176A | Z | 0 | 0 | 0 | %100 |
| 87 | M177A | X | -2.813 | -2.813 | 0 | %100 |
| 88 | M177A | Z | 0 | 0 | 0 | %100 |
| 89 | M186A | X | -2.905 | -2.905 | 0 | %100 |
| 90 | M186A | Z | 0 | 0 | 0 | %100 |
| 91 | M187A | X | 0 | 0 | 0 | %100 |
| 92 | M187A | Z | 0 | 0 | 0 | %100 |
| 93 | M188A | X | -9.04 | -9.04 | 0 | %100 |
| 94 | M188A | Z | 0 | 0 | 0 | %100 |
| 95 | M189A | X | -12.908 | -12.908 | 0 | %100 |
| 96 | M189A | Z | 0 | 0 | 0 | %100 |
| 97 | M191 | X | -24.868 | -24.868 | 0 | %100 |
| 98 | M191 | Z | 0 | 0 | 0 | %100 |
| 99 | M192A | X | -16.135 | -16.135 | 0 | %100 |
| 100 | M192A | Z | 0 | 0 | 0 | %100 |
| 101 | M193 | X | -2.813 | -2.813 | 0 | %100 |
| 102 | M193 | Z | 0 | 0 | 0 | %100 |
| 103 | M194 | X | -2.813 | -2.813 | 0 | %100 |
| 104 | M194 | Z | 0 | 0 | 0 | %100 |
| 105 | M205 | X | -10.542 | -10.542 | 0 | %100 |
| 106 | M205 | Z | 0 | 0 | 0 | %100 |
| 107 | M208 | X | -10.542 | -10.542 | 0 | %100 |
| 108 | M208 | Z | 0 | 0 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | -7.548 | -7.548 | 0 | %100 |
| 2 | M64 | Z | -4.358 | -4.358 | 0 | %100 |
| 3 | M22 | X | -2.61 | -2.61 | 0 | %100 |
| 4 | M22 | Z | -1.507 | -1.507 | 0 | %100 |
| 5 | M23 | X | -10.439 | -10.439 | 0 | %100 |
| 6 | M23 | Z | -6.027 | -6.027 | 0 | %100 |
| 7 | M27A | X | -3.726 | -3.726 | 0 | %100 |
| 8 | M27A | Z | -2.151 | -2.151 | 0 | %100 |
| 9 | FACE2 | X | -2.792 | -2.792 | 0 | %100 |
| 10 | FACE2 | Z | -1.612 | -1.612 | 0 | %100 |
| 11 | M38 | X | -2.792 | -2.792 | 0 | %100 |
| 12 | M38 | Z | -1.612 | -1.612 | 0 | %100 |
| 13 | M49A | X | -2.042 | -2.042 | 0 | %100 |
| 14 | M49A | Z | -1.179 | -1.179 | 0 | %100 |
| 15 | MP1A | X | -9.889 | -9.889 | 0 | %100 |
| 16 | MP1A | Z | -5.709 | -5.709 | 0 | %100 |
| 17 | MP2A | X | -9.889 | -9.889 | 0 | %100 |
| 18 | MP2A | Z | -5.709 | -5.709 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 19 | MP3A | X | -9.889 | -9.889 | 0 | %100 |
| 20 | MP3A | Z | -5.709 | -5.709 | 0 | %100 |
| 21 | MP4A | X | -9.889 | -9.889 | 0 | %100 |
| 22 | MP4A | Z | -5.709 | -5.709 | 0 | %100 |
| 23 | MP5A | X | -9.889 | -9.889 | 0 | %100 |
| 24 | MP5A | Z | -5.709 | -5.709 | 0 | %100 |
| 25 | M96 | X | -3.043 | -3.043 | 0 | %100 |
| 26 | M96 | Z | -1.757 | -1.757 | 0 | %100 |
| 27 | M98 | X | -18.644 | -18.644 | 0 | %100 |
| 28 | M98 | Z | -10.764 | -10.764 | 0 | %100 |
| 29 | M105A | X | -4.658 | -4.658 | 0 | %100 |
| 30 | M105A | Z | -2.689 | -2.689 | 0 | %100 |
| 31 | M99 | X | -7.309 | -7.309 | 0 | %100 |
| 32 | M99 | Z | -4.22 | -4.22 | 0 | %100 |
| 33 | M100 | X | -7.309 | -7.309 | 0 | %100 |
| 34 | M100 | Z | -4.22 | -4.22 | 0 | %100 |
| 35 | M146 | X | -7.309 | -7.309 | 0 | %100 |
| 36 | M146 | Z | -4.22 | -4.22 | 0 | %100 |
| 37 | M192 | X | 0 | 0 | 0 | %100 |
| 38 | M192 | Z | 0 | 0 | 0 | %100 |
| 39 | OVP | X | -6.839 | -6.839 | 0 | %100 |
| 40 | OVP | Z | -3.949 | -3.949 | 0 | %100 |
| 41 | M135A | X | -2.792 | -2.792 | 0 | %100 |
| 42 | M135A | Z | -1.612 | -1.612 | 0 | %100 |
| 43 | M136A | X | -2.792 | -2.792 | 0 | %100 |
| 44 | M136A | Z | -1.612 | -1.612 | 0 | %100 |
| 45 | M147 | X | -2.042 | -2.042 | 0 | %100 |
| 46 | M147 | Z | -1.179 | -1.179 | 0 | %100 |
| 47 | MP1C | X | -9.889 | -9.889 | 0 | %100 |
| 48 | MP1C | Z | -5.709 | -5.709 | 0 | %100 |
| 49 | MP2C | X | -9.889 | -9.889 | 0 | %100 |
| 50 | MP2C | Z | -5.709 | -5.709 | 0 | %100 |
| 51 | MP3C | X | -9.889 | -9.889 | 0 | %100 |
| 52 | MP3C | Z | -5.709 | -5.709 | 0 | %100 |
| 53 | MP4C | X | -9.889 | -9.889 | 0 | %100 |
| 54 | MP4C | Z | -5.709 | -5.709 | 0 | %100 |
| 55 | MP5C | X | -9.889 | -9.889 | 0 | %100 |
| 56 | MP5C | Z | -5.709 | -5.709 | 0 | %100 |
| 57 | M153 | X | -11.167 | -11.167 | 0 | %100 |
| 58 | M153 | Z | -6.447 | -6.447 | 0 | %100 |
| 59 | M154 | X | -11.167 | -11.167 | 0 | %100 |
| 60 | M154 | Z | -6.447 | -6.447 | 0 | %100 |
| 61 | M165A | X | -8.169 | -8.169 | 0 | %100 |
| 62 | M165A | Z | -4.716 | -4.716 | 0 | %100 |
| 63 | MP1B | X | -9.889 | -9.889 | 0 | %100 |
| 64 | MP1B | Z | -5.709 | -5.709 | 0 | %100 |
| 65 | MP2B | X | -9.889 | -9.889 | 0 | %100 |
| 66 | MP2B | Z | -5.709 | -5.709 | 0 | %100 |
| 67 | MP3B | X | -9.889 | -9.889 | 0 | %100 |
| 68 | MP3B | Z | -5.709 | -5.709 | 0 | %100 |
| 69 | MP4B | X | -9.889 | -9.889 | 0 | %100 |
| 70 | MP4B | Z | -5.709 | -5.709 | 0 | %100 |
| 71 | MP5B | X | -9.889 | -9.889 | 0 | %100 |
| 72 | MP5B | Z | -5.709 | -5.709 | 0 | %100 |
| 73 | M169C | X | -7.548 | -7.548 | 0 | %100 |
| 74 | M169C | Z | -4.358 | -4.358 | 0 | %100 |
| 75 | M170C | X | -10.439 | -10.439 | 0 | %100 |
| 76 | M170C | Z | -6.027 | -6.027 | 0 | %100 |
| 77 | M171B | X | -2.61 | -2.61 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft,... | End Magnitude[lb/ft,... | Start Location[ft,%] | End Location[ft,%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 78 | M171B | Z | -1.507 | -1.507 | 0 | %100 |
| 79 | M172A | X | -3.726 | -3.726 | 0 | %100 |
| 80 | M172A | Z | -2.151 | -2.151 | 0 | %100 |
| 81 | M174A | X | -18.644 | -18.644 | 0 | %100 |
| 82 | M174A | Z | -10.764 | -10.764 | 0 | %100 |
| 83 | M175A | X | -4.658 | -4.658 | 0 | %100 |
| 84 | M175A | Z | -2.689 | -2.689 | 0 | %100 |
| 85 | M176A | X | -7.309 | -7.309 | 0 | %100 |
| 86 | M176A | Z | -4.22 | -4.22 | 0 | %100 |
| 87 | M177A | X | -7.309 | -7.309 | 0 | %100 |
| 88 | M177A | Z | -4.22 | -4.22 | 0 | %100 |
| 89 | M186A | X | 0 | 0 | 0 | %100 |
| 90 | M186A | Z | 0 | 0 | 0 | %100 |
| 91 | M187A | X | -2.61 | -2.61 | 0 | %100 |
| 92 | M187A | Z | -1.507 | -1.507 | 0 | %100 |
| 93 | M188A | X | -2.61 | -2.61 | 0 | %100 |
| 94 | M188A | Z | -1.507 | -1.507 | 0 | %100 |
| 95 | M189A | X | -14.905 | -14.905 | 0 | %100 |
| 96 | M189A | Z | -8.605 | -8.605 | 0 | %100 |
| 97 | M191 | X | -22.983 | -22.983 | 0 | %100 |
| 98 | M191 | Z | -13.269 | -13.269 | 0 | %100 |
| 99 | M192A | X | -18.631 | -18.631 | 0 | %100 |
| 100 | M192A | Z | -10.757 | -10.757 | 0 | %100 |
| 101 | M193 | X | 0 | 0 | 0 | %100 |
| 102 | M193 | Z | 0 | 0 | 0 | %100 |
| 103 | M194 | X | 0 | 0 | 0 | %100 |
| 104 | M194 | Z | 0 | 0 | 0 | %100 |
| 105 | M205 | X | -3.043 | -3.043 | 0 | %100 |
| 106 | M205 | Z | -1.757 | -1.757 | 0 | %100 |
| 107 | M208 | X | -12.172 | -12.172 | 0 | %100 |
| 108 | M208 | Z | -7.028 | -7.028 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft,... | End Magnitude[lb/ft,... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | -1.453 | -1.453 | 0 | %100 |
| 2 | M64 | Z | -2.516 | -2.516 | 0 | %100 |
| 3 | M22 | X | 0 | 0 | 0 | %100 |
| 4 | M22 | Z | 0 | 0 | 0 | %100 |
| 5 | M23 | X | -4.52 | -4.52 | 0 | %100 |
| 6 | M23 | Z | -7.829 | -7.829 | 0 | %100 |
| 7 | M27A | X | -6.454 | -6.454 | 0 | %100 |
| 8 | M27A | Z | -11.178 | -11.178 | 0 | %100 |
| 9 | FACE2 | X | -4.835 | -4.835 | 0 | %100 |
| 10 | FACE2 | Z | -8.375 | -8.375 | 0 | %100 |
| 11 | M38 | X | -4.835 | -4.835 | 0 | %100 |
| 12 | M38 | Z | -8.375 | -8.375 | 0 | %100 |
| 13 | M49A | X | -3.537 | -3.537 | 0 | %100 |
| 14 | M49A | Z | -6.127 | -6.127 | 0 | %100 |
| 15 | MP1A | X | -5.709 | -5.709 | 0 | %100 |
| 16 | MP1A | Z | -9.889 | -9.889 | 0 | %100 |
| 17 | MP2A | X | -5.709 | -5.709 | 0 | %100 |
| 18 | MP2A | Z | -9.889 | -9.889 | 0 | %100 |
| 19 | MP3A | X | -5.709 | -5.709 | 0 | %100 |
| 20 | MP3A | Z | -9.889 | -9.889 | 0 | %100 |
| 21 | MP4A | X | -5.709 | -5.709 | 0 | %100 |
| 22 | MP4A | Z | -9.889 | -9.889 | 0 | %100 |
| 23 | MP5A | X | -5.709 | -5.709 | 0 | %100 |
| 24 | MP5A | Z | -9.889 | -9.889 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 25 | M96 | X | -5.271 | -5.271 | 0 | %100 |
| 26 | M96 | Z | -9.129 | -9.129 | 0 | %100 |
| 27 | M98 | X | -12.434 | -12.434 | 0 | %100 |
| 28 | M98 | Z | -21.537 | -21.537 | 0 | %100 |
| 29 | M105A | X | -8.067 | -8.067 | 0 | %100 |
| 30 | M105A | Z | -13.973 | -13.973 | 0 | %100 |
| 31 | M99 | X | -1.407 | -1.407 | 0 | %100 |
| 32 | M99 | Z | -2.436 | -2.436 | 0 | %100 |
| 33 | M100 | X | -1.407 | -1.407 | 0 | %100 |
| 34 | M100 | Z | -2.436 | -2.436 | 0 | %100 |
| 35 | M146 | X | -5.626 | -5.626 | 0 | %100 |
| 36 | M146 | Z | -9.745 | -9.745 | 0 | %100 |
| 37 | M192 | X | -1.407 | -1.407 | 0 | %100 |
| 38 | M192 | Z | -2.436 | -2.436 | 0 | %100 |
| 39 | OVP | X | -3.949 | -3.949 | 0 | %100 |
| 40 | OVP | Z | -6.839 | -6.839 | 0 | %100 |
| 41 | M135A | X | 0 | 0 | 0 | %100 |
| 42 | M135A | Z | 0 | 0 | 0 | %100 |
| 43 | M136A | X | 0 | 0 | 0 | %100 |
| 44 | M136A | Z | 0 | 0 | 0 | %100 |
| 45 | M147 | X | 0 | 0 | 0 | %100 |
| 46 | M147 | Z | 0 | 0 | 0 | %100 |
| 47 | MP1C | X | -5.709 | -5.709 | 0 | %100 |
| 48 | MP1C | Z | -9.889 | -9.889 | 0 | %100 |
| 49 | MP2C | X | -5.709 | -5.709 | 0 | %100 |
| 50 | MP2C | Z | -9.889 | -9.889 | 0 | %100 |
| 51 | MP3C | X | -5.709 | -5.709 | 0 | %100 |
| 52 | MP3C | Z | -9.889 | -9.889 | 0 | %100 |
| 53 | MP4C | X | -5.709 | -5.709 | 0 | %100 |
| 54 | MP4C | Z | -9.889 | -9.889 | 0 | %100 |
| 55 | MP5C | X | -5.709 | -5.709 | 0 | %100 |
| 56 | MP5C | Z | -9.889 | -9.889 | 0 | %100 |
| 57 | M153 | X | -4.835 | -4.835 | 0 | %100 |
| 58 | M153 | Z | -8.375 | -8.375 | 0 | %100 |
| 59 | M154 | X | -4.835 | -4.835 | 0 | %100 |
| 60 | M154 | Z | -8.375 | -8.375 | 0 | %100 |
| 61 | M165A | X | -3.537 | -3.537 | 0 | %100 |
| 62 | M165A | Z | -6.127 | -6.127 | 0 | %100 |
| 63 | MP1B | X | -5.709 | -5.709 | 0 | %100 |
| 64 | MP1B | Z | -9.889 | -9.889 | 0 | %100 |
| 65 | MP2B | X | -5.709 | -5.709 | 0 | %100 |
| 66 | MP2B | Z | -9.889 | -9.889 | 0 | %100 |
| 67 | MP3B | X | -5.709 | -5.709 | 0 | %100 |
| 68 | MP3B | Z | -9.889 | -9.889 | 0 | %100 |
| 69 | MP4B | X | -5.709 | -5.709 | 0 | %100 |
| 70 | MP4B | Z | -9.889 | -9.889 | 0 | %100 |
| 71 | MP5B | X | -5.709 | -5.709 | 0 | %100 |
| 72 | MP5B | Z | -9.889 | -9.889 | 0 | %100 |
| 73 | M169C | X | -5.81 | -5.81 | 0 | %100 |
| 74 | M169C | Z | -10.064 | -10.064 | 0 | %100 |
| 75 | M170C | X | -4.52 | -4.52 | 0 | %100 |
| 76 | M170C | Z | -7.829 | -7.829 | 0 | %100 |
| 77 | M171B | X | -4.52 | -4.52 | 0 | %100 |
| 78 | M171B | Z | -7.829 | -7.829 | 0 | %100 |
| 79 | M172A | X | 0 | 0 | 0 | %100 |
| 80 | M172A | Z | 0 | 0 | 0 | %100 |
| 81 | M174A | X | -9.929 | -9.929 | 0 | %100 |
| 82 | M174A | Z | -17.198 | -17.198 | 0 | %100 |
| 83 | M175A | X | 0 | 0 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 84 | M175A | Z | 0 | 0 | 0 | %100 |
| 85 | M176A | X | -5.626 | -5.626 | 0 | %100 |
| 86 | M176A | Z | -9.745 | -9.745 | 0 | %100 |
| 87 | M177A | X | -5.626 | -5.626 | 0 | %100 |
| 88 | M177A | Z | -9.745 | -9.745 | 0 | %100 |
| 89 | M186A | X | -1.453 | -1.453 | 0 | %100 |
| 90 | M186A | Z | -2.516 | -2.516 | 0 | %100 |
| 91 | M187A | X | -4.52 | -4.52 | 0 | %100 |
| 92 | M187A | Z | -7.829 | -7.829 | 0 | %100 |
| 93 | M188A | X | 0 | 0 | 0 | %100 |
| 94 | M188A | Z | 0 | 0 | 0 | %100 |
| 95 | M189A | X | -6.454 | -6.454 | 0 | %100 |
| 96 | M189A | Z | -11.178 | -11.178 | 0 | %100 |
| 97 | M191 | X | -12.434 | -12.434 | 0 | %100 |
| 98 | M191 | Z | -21.537 | -21.537 | 0 | %100 |
| 99 | M192A | X | -8.067 | -8.067 | 0 | %100 |
| 100 | M192A | Z | -13.973 | -13.973 | 0 | %100 |
| 101 | M193 | X | -1.407 | -1.407 | 0 | %100 |
| 102 | M193 | Z | -2.436 | -2.436 | 0 | %100 |
| 103 | M194 | X | -1.407 | -1.407 | 0 | %100 |
| 104 | M194 | Z | -2.436 | -2.436 | 0 | %100 |
| 105 | M205 | X | 0 | 0 | 0 | %100 |
| 106 | M205 | Z | 0 | 0 | 0 | %100 |
| 107 | M208 | X | -5.271 | -5.271 | 0 | %100 |
| 108 | M208 | Z | -9.129 | -9.129 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | 0 | 0 | 0 | %100 |
| 2 | M64 | Z | 0 | 0 | 0 | %100 |
| 3 | M22 | X | 0 | 0 | 0 | %100 |
| 4 | M22 | Z | -0.872 | -0.872 | 0 | %100 |
| 5 | M23 | X | 0 | 0 | 0 | %100 |
| 6 | M23 | Z | -0.872 | -0.872 | 0 | %100 |
| 7 | M27A | X | 0 | 0 | 0 | %100 |
| 8 | M27A | Z | -4.134 | -4.134 | 0 | %100 |
| 9 | FACE2 | X | 0 | 0 | 0 | %100 |
| 10 | FACE2 | Z | -3.873 | -3.873 | 0 | %100 |
| 11 | M38 | X | 0 | 0 | 0 | %100 |
| 12 | M38 | Z | -3.873 | -3.873 | 0 | %100 |
| 13 | M49A | X | 0 | 0 | 0 | %100 |
| 14 | M49A | Z | -3.247 | -3.247 | 0 | %100 |
| 15 | MP1A | X | 0 | 0 | 0 | %100 |
| 16 | MP1A | Z | -3.598 | -3.598 | 0 | %100 |
| 17 | MP2A | X | 0 | 0 | 0 | %100 |
| 18 | MP2A | Z | -3.598 | -3.598 | 0 | %100 |
| 19 | MP3A | X | 0 | 0 | 0 | %100 |
| 20 | MP3A | Z | -3.598 | -3.598 | 0 | %100 |
| 21 | MP4A | X | 0 | 0 | 0 | %100 |
| 22 | MP4A | Z | -3.598 | -3.598 | 0 | %100 |
| 23 | MP5A | X | 0 | 0 | 0 | %100 |
| 24 | MP5A | Z | -3.598 | -3.598 | 0 | %100 |
| 25 | M96 | X | 0 | 0 | 0 | %100 |
| 26 | M96 | Z | -3.622 | -3.622 | 0 | %100 |
| 27 | M98 | X | 0 | 0 | 0 | %100 |
| 28 | M98 | Z | -5.936 | -5.936 | 0 | %100 |
| 29 | M105A | X | 0 | 0 | 0 | %100 |
| 30 | M105A | Z | -5.362 | -5.362 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft,... | End Magnitude[lb/ft,... | Start Location[ft, %] | End Location[ft, %] |
|----|--------------|-----------|---------------------------|-------------------------|-----------------------|---------------------|
| 31 | M99 | X | 0 | 0 | 0 | %100 |
| 32 | M99 | Z | 0 | 0 | 0 | %100 |
| 33 | M100 | X | 0 | 0 | 0 | %100 |
| 34 | M100 | Z | 0 | 0 | 0 | %100 |
| 35 | M146 | X | 0 | 0 | 0 | %100 |
| 36 | M146 | Z | -2.224 | -2.224 | 0 | %100 |
| 37 | M192 | X | 0 | 0 | 0 | %100 |
| 38 | M192 | Z | -2.224 | -2.224 | 0 | %100 |
| 39 | OVP | X | 0 | 0 | 0 | %100 |
| 40 | OVP | Z | -2.555 | -2.555 | 0 | %100 |
| 41 | M135A | X | 0 | 0 | 0 | %100 |
| 42 | M135A | Z | -.968 | -.968 | 0 | %100 |
| 43 | M136A | X | 0 | 0 | 0 | %100 |
| 44 | M136A | Z | -.968 | -.968 | 0 | %100 |
| 45 | M147 | X | 0 | 0 | 0 | %100 |
| 46 | M147 | Z | -.812 | -.812 | 0 | %100 |
| 47 | MP1C | X | 0 | 0 | 0 | %100 |
| 48 | MP1C | Z | -3.598 | -3.598 | 0 | %100 |
| 49 | MP2C | X | 0 | 0 | 0 | %100 |
| 50 | MP2C | Z | -3.598 | -3.598 | 0 | %100 |
| 51 | MP3C | X | 0 | 0 | 0 | %100 |
| 52 | MP3C | Z | -3.598 | -3.598 | 0 | %100 |
| 53 | MP4C | X | 0 | 0 | 0 | %100 |
| 54 | MP4C | Z | -3.598 | -3.598 | 0 | %100 |
| 55 | MP5C | X | 0 | 0 | 0 | %100 |
| 56 | MP5C | Z | -3.598 | -3.598 | 0 | %100 |
| 57 | M153 | X | 0 | 0 | 0 | %100 |
| 58 | M153 | Z | -.968 | -.968 | 0 | %100 |
| 59 | M154 | X | 0 | 0 | 0 | %100 |
| 60 | M154 | Z | -.968 | -.968 | 0 | %100 |
| 61 | M165A | X | 0 | 0 | 0 | %100 |
| 62 | M165A | Z | -.812 | -.812 | 0 | %100 |
| 63 | MP1B | X | 0 | 0 | 0 | %100 |
| 64 | MP1B | Z | -3.598 | -3.598 | 0 | %100 |
| 65 | MP2B | X | 0 | 0 | 0 | %100 |
| 66 | MP2B | Z | -3.598 | -3.598 | 0 | %100 |
| 67 | MP3B | X | 0 | 0 | 0 | %100 |
| 68 | MP3B | Z | -3.598 | -3.598 | 0 | %100 |
| 69 | MP4B | X | 0 | 0 | 0 | %100 |
| 70 | MP4B | Z | -3.598 | -3.598 | 0 | %100 |
| 71 | MP5B | X | 0 | 0 | 0 | %100 |
| 72 | MP5B | Z | -3.598 | -3.598 | 0 | %100 |
| 73 | M169C | X | 0 | 0 | 0 | %100 |
| 74 | M169C | Z | -2.371 | -2.371 | 0 | %100 |
| 75 | M170C | X | 0 | 0 | 0 | %100 |
| 76 | M170C | Z | -.872 | -.872 | 0 | %100 |
| 77 | M171B | X | 0 | 0 | 0 | %100 |
| 78 | M171B | Z | -3.487 | -3.487 | 0 | %100 |
| 79 | M172A | X | 0 | 0 | 0 | %100 |
| 80 | M172A | Z | -1.034 | -1.034 | 0 | %100 |
| 81 | M174A | X | 0 | 0 | 0 | %100 |
| 82 | M174A | Z | -5.3 | -5.3 | 0 | %100 |
| 83 | M175A | X | 0 | 0 | 0 | %100 |
| 84 | M175A | Z | -1.34 | -1.34 | 0 | %100 |
| 85 | M176A | X | 0 | 0 | 0 | %100 |
| 86 | M176A | Z | -2.224 | -2.224 | 0 | %100 |
| 87 | M177A | X | 0 | 0 | 0 | %100 |
| 88 | M177A | Z | -2.224 | -2.224 | 0 | %100 |
| 89 | M186A | X | 0 | 0 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 90 | M186A | Z | -2.371 | -2.371 | 0 | %100 |
| 91 | M187A | X | 0 | 0 | 0 | %100 |
| 92 | M187A | Z | -3.487 | -3.487 | 0 | %100 |
| 93 | M188A | X | 0 | 0 | 0 | %100 |
| 94 | M188A | Z | -.872 | -.872 | 0 | %100 |
| 95 | M189A | X | 0 | 0 | 0 | %100 |
| 96 | M189A | Z | -1.034 | -1.034 | 0 | %100 |
| 97 | M191 | X | 0 | 0 | 0 | %100 |
| 98 | M191 | Z | -5.3 | -5.3 | 0 | %100 |
| 99 | M192A | X | 0 | 0 | 0 | %100 |
| 100 | M192A | Z | -1.34 | -1.34 | 0 | %100 |
| 101 | M193 | X | 0 | 0 | 0 | %100 |
| 102 | M193 | Z | -2.224 | -2.224 | 0 | %100 |
| 103 | M194 | X | 0 | 0 | 0 | %100 |
| 104 | M194 | Z | -2.224 | -2.224 | 0 | %100 |
| 105 | M205 | X | 0 | 0 | 0 | %100 |
| 106 | M205 | Z | -.905 | -.905 | 0 | %100 |
| 107 | M208 | X | 0 | 0 | 0 | %100 |
| 108 | M208 | Z | -.905 | -.905 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | .395 | .395 | 0 | %100 |
| 2 | M64 | Z | -.684 | -.684 | 0 | %100 |
| 3 | M22 | X | 1.308 | 1.308 | 0 | %100 |
| 4 | M22 | Z | -2.265 | -2.265 | 0 | %100 |
| 5 | M23 | X | 0 | 0 | 0 | %100 |
| 6 | M23 | Z | 0 | 0 | 0 | %100 |
| 7 | M27A | X | 1.55 | 1.55 | 0 | %100 |
| 8 | M27A | Z | -2.685 | -2.685 | 0 | %100 |
| 9 | FACE2 | X | 1.453 | 1.453 | 0 | %100 |
| 10 | FACE2 | Z | -2.516 | -2.516 | 0 | %100 |
| 11 | M38 | X | 1.453 | 1.453 | 0 | %100 |
| 12 | M38 | Z | -2.516 | -2.516 | 0 | %100 |
| 13 | M49A | X | 1.218 | 1.218 | 0 | %100 |
| 14 | M49A | Z | -2.109 | -2.109 | 0 | %100 |
| 15 | MP1A | X | 1.799 | 1.799 | 0 | %100 |
| 16 | MP1A | Z | -3.116 | -3.116 | 0 | %100 |
| 17 | MP2A | X | 1.799 | 1.799 | 0 | %100 |
| 18 | MP2A | Z | -3.116 | -3.116 | 0 | %100 |
| 19 | MP3A | X | 1.799 | 1.799 | 0 | %100 |
| 20 | MP3A | Z | -3.116 | -3.116 | 0 | %100 |
| 21 | MP4A | X | 1.799 | 1.799 | 0 | %100 |
| 22 | MP4A | Z | -3.116 | -3.116 | 0 | %100 |
| 23 | MP5A | X | 1.799 | 1.799 | 0 | %100 |
| 24 | MP5A | Z | -3.116 | -3.116 | 0 | %100 |
| 25 | M96 | X | 1.358 | 1.358 | 0 | %100 |
| 26 | M96 | Z | -2.352 | -2.352 | 0 | %100 |
| 27 | M98 | X | 2.862 | 2.862 | 0 | %100 |
| 28 | M98 | Z | -4.957 | -4.957 | 0 | %100 |
| 29 | M105A | X | 2.011 | 2.011 | 0 | %100 |
| 30 | M105A | Z | -3.482 | -3.482 | 0 | %100 |
| 31 | M99 | X | .371 | .371 | 0 | %100 |
| 32 | M99 | Z | -.642 | -.642 | 0 | %100 |
| 33 | M100 | X | .371 | .371 | 0 | %100 |
| 34 | M100 | Z | -.642 | -.642 | 0 | %100 |
| 35 | M146 | X | .371 | .371 | 0 | %100 |
| 36 | M146 | Z | -.642 | -.642 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 37 | M192 | X | 1.483 | 1.483 | 0 | %100 |
| 38 | M192 | Z | -2.569 | -2.569 | 0 | %100 |
| 39 | OVP | X | 1.278 | 1.278 | 0 | %100 |
| 40 | OVP | Z | -2.213 | -2.213 | 0 | %100 |
| 41 | M135A | X | 1.453 | 1.453 | 0 | %100 |
| 42 | M135A | Z | -2.516 | -2.516 | 0 | %100 |
| 43 | M136A | X | 1.453 | 1.453 | 0 | %100 |
| 44 | M136A | Z | -2.516 | -2.516 | 0 | %100 |
| 45 | M147 | X | 1.218 | 1.218 | 0 | %100 |
| 46 | M147 | Z | -2.109 | -2.109 | 0 | %100 |
| 47 | MP1C | X | 1.799 | 1.799 | 0 | %100 |
| 48 | MP1C | Z | -3.116 | -3.116 | 0 | %100 |
| 49 | MP2C | X | 1.799 | 1.799 | 0 | %100 |
| 50 | MP2C | Z | -3.116 | -3.116 | 0 | %100 |
| 51 | MP3C | X | 1.799 | 1.799 | 0 | %100 |
| 52 | MP3C | Z | -3.116 | -3.116 | 0 | %100 |
| 53 | MP4C | X | 1.799 | 1.799 | 0 | %100 |
| 54 | MP4C | Z | -3.116 | -3.116 | 0 | %100 |
| 55 | MP5C | X | 1.799 | 1.799 | 0 | %100 |
| 56 | MP5C | Z | -3.116 | -3.116 | 0 | %100 |
| 57 | M153 | X | 0 | 0 | 0 | %100 |
| 58 | M153 | Z | 0 | 0 | 0 | %100 |
| 59 | M154 | X | 0 | 0 | 0 | %100 |
| 60 | M154 | Z | 0 | 0 | 0 | %100 |
| 61 | M165A | X | 0 | 0 | 0 | %100 |
| 62 | M165A | Z | 0 | 0 | 0 | %100 |
| 63 | MP1B | X | 1.799 | 1.799 | 0 | %100 |
| 64 | MP1B | Z | -3.116 | -3.116 | 0 | %100 |
| 65 | MP2B | X | 1.799 | 1.799 | 0 | %100 |
| 66 | MP2B | Z | -3.116 | -3.116 | 0 | %100 |
| 67 | MP3B | X | 1.799 | 1.799 | 0 | %100 |
| 68 | MP3B | Z | -3.116 | -3.116 | 0 | %100 |
| 69 | MP4B | X | 1.799 | 1.799 | 0 | %100 |
| 70 | MP4B | Z | -3.116 | -3.116 | 0 | %100 |
| 71 | MP5B | X | 1.799 | 1.799 | 0 | %100 |
| 72 | MP5B | Z | -3.116 | -3.116 | 0 | %100 |
| 73 | M169C | X | .395 | .395 | 0 | %100 |
| 74 | M169C | Z | -.684 | -.684 | 0 | %100 |
| 75 | M170C | X | 0 | 0 | 0 | %100 |
| 76 | M170C | Z | 0 | 0 | 0 | %100 |
| 77 | M171B | X | 1.308 | 1.308 | 0 | %100 |
| 78 | M171B | Z | -2.265 | -2.265 | 0 | %100 |
| 79 | M172A | X | 1.55 | 1.55 | 0 | %100 |
| 80 | M172A | Z | -2.685 | -2.685 | 0 | %100 |
| 81 | M174A | X | 2.862 | 2.862 | 0 | %100 |
| 82 | M174A | Z | -4.957 | -4.957 | 0 | %100 |
| 83 | M175A | X | 2.011 | 2.011 | 0 | %100 |
| 84 | M175A | Z | -3.482 | -3.482 | 0 | %100 |
| 85 | M176A | X | .371 | .371 | 0 | %100 |
| 86 | M176A | Z | -.642 | -.642 | 0 | %100 |
| 87 | M177A | X | .371 | .371 | 0 | %100 |
| 88 | M177A | Z | -.642 | -.642 | 0 | %100 |
| 89 | M186A | X | 1.58 | 1.58 | 0 | %100 |
| 90 | M186A | Z | -2.737 | -2.737 | 0 | %100 |
| 91 | M187A | X | 1.308 | 1.308 | 0 | %100 |
| 92 | M187A | Z | -2.265 | -2.265 | 0 | %100 |
| 93 | M188A | X | 1.308 | 1.308 | 0 | %100 |
| 94 | M188A | Z | -2.265 | -2.265 | 0 | %100 |
| 95 | M189A | X | 0 | 0 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 96 | M189A | Z | 0 | 0 | 0 | %100 |
| 97 | M191 | X | 2.544 | 2.544 | 0 | %100 |
| 98 | M191 | Z | -4.406 | -4.406 | 0 | %100 |
| 99 | M192A | X | 0 | 0 | 0 | %100 |
| 100 | M192A | Z | 0 | 0 | 0 | %100 |
| 101 | M193 | X | 1.483 | 1.483 | 0 | %100 |
| 102 | M193 | Z | -2.569 | -2.569 | 0 | %100 |
| 103 | M194 | X | 1.483 | 1.483 | 0 | %100 |
| 104 | M194 | Z | -2.569 | -2.569 | 0 | %100 |
| 105 | M205 | X | 1.358 | 1.358 | 0 | %100 |
| 106 | M205 | Z | -2.352 | -2.352 | 0 | %100 |
| 107 | M208 | X | 0 | 0 | 0 | %100 |
| 108 | M208 | Z | 0 | 0 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | 2.053 | 2.053 | 0 | %100 |
| 2 | M64 | Z | -1.185 | -1.185 | 0 | %100 |
| 3 | M22 | X | 3.02 | 3.02 | 0 | %100 |
| 4 | M22 | Z | -1.744 | -1.744 | 0 | %100 |
| 5 | M23 | X | .755 | .755 | 0 | %100 |
| 6 | M23 | Z | -.436 | -.436 | 0 | %100 |
| 7 | M27A | X | .895 | .895 | 0 | %100 |
| 8 | M27A | Z | -.517 | -.517 | 0 | %100 |
| 9 | FACE2 | X | .839 | .839 | 0 | %100 |
| 10 | FACE2 | Z | -.484 | -.484 | 0 | %100 |
| 11 | M38 | X | .839 | .839 | 0 | %100 |
| 12 | M38 | Z | -.484 | -.484 | 0 | %100 |
| 13 | M49A | X | .703 | .703 | 0 | %100 |
| 14 | M49A | Z | -.406 | -.406 | 0 | %100 |
| 15 | MP1A | X | 3.116 | 3.116 | 0 | %100 |
| 16 | MP1A | Z | -1.799 | -1.799 | 0 | %100 |
| 17 | MP2A | X | 3.116 | 3.116 | 0 | %100 |
| 18 | MP2A | Z | -1.799 | -1.799 | 0 | %100 |
| 19 | MP3A | X | 3.116 | 3.116 | 0 | %100 |
| 20 | MP3A | Z | -1.799 | -1.799 | 0 | %100 |
| 21 | MP4A | X | 3.116 | 3.116 | 0 | %100 |
| 22 | MP4A | Z | -1.799 | -1.799 | 0 | %100 |
| 23 | MP5A | X | 3.116 | 3.116 | 0 | %100 |
| 24 | MP5A | Z | -1.799 | -1.799 | 0 | %100 |
| 25 | M96 | X | .784 | .784 | 0 | %100 |
| 26 | M96 | Z | -.453 | -.453 | 0 | %100 |
| 27 | M98 | X | 4.59 | 4.59 | 0 | %100 |
| 28 | M98 | Z | -2.65 | -2.65 | 0 | %100 |
| 29 | M105A | X | 1.161 | 1.161 | 0 | %100 |
| 30 | M105A | Z | -.67 | -.67 | 0 | %100 |
| 31 | M99 | X | 1.926 | 1.926 | 0 | %100 |
| 32 | M99 | Z | -1.112 | -1.112 | 0 | %100 |
| 33 | M100 | X | 1.926 | 1.926 | 0 | %100 |
| 34 | M100 | Z | -1.112 | -1.112 | 0 | %100 |
| 35 | M146 | X | 0 | 0 | 0 | %100 |
| 36 | M146 | Z | 0 | 0 | 0 | %100 |
| 37 | M192 | X | 1.926 | 1.926 | 0 | %100 |
| 38 | M192 | Z | -1.112 | -1.112 | 0 | %100 |
| 39 | OVP | X | 2.213 | 2.213 | 0 | %100 |
| 40 | OVP | Z | -1.278 | -1.278 | 0 | %100 |
| 41 | M135A | X | 3.355 | 3.355 | 0 | %100 |
| 42 | M135A | Z | -1.937 | -1.937 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 43 | M136A | X | 3.355 | 3.355 | 0 | %100 |
| 44 | M136A | Z | -1.937 | -1.937 | 0 | %100 |
| 45 | M147 | X | 2.812 | 2.812 | 0 | %100 |
| 46 | M147 | Z | -1.623 | -1.623 | 0 | %100 |
| 47 | MP1C | X | 3.116 | 3.116 | 0 | %100 |
| 48 | MP1C | Z | -1.799 | -1.799 | 0 | %100 |
| 49 | MP2C | X | 3.116 | 3.116 | 0 | %100 |
| 50 | MP2C | Z | -1.799 | -1.799 | 0 | %100 |
| 51 | MP3C | X | 3.116 | 3.116 | 0 | %100 |
| 52 | MP3C | Z | -1.799 | -1.799 | 0 | %100 |
| 53 | MP4C | X | 3.116 | 3.116 | 0 | %100 |
| 54 | MP4C | Z | -1.799 | -1.799 | 0 | %100 |
| 55 | MP5C | X | 3.116 | 3.116 | 0 | %100 |
| 56 | MP5C | Z | -1.799 | -1.799 | 0 | %100 |
| 57 | M153 | X | .839 | .839 | 0 | %100 |
| 58 | M153 | Z | -.484 | -.484 | 0 | %100 |
| 59 | M154 | X | .839 | .839 | 0 | %100 |
| 60 | M154 | Z | -.484 | -.484 | 0 | %100 |
| 61 | M165A | X | .703 | .703 | 0 | %100 |
| 62 | M165A | Z | -.406 | -.406 | 0 | %100 |
| 63 | MP1B | X | 3.116 | 3.116 | 0 | %100 |
| 64 | MP1B | Z | -1.799 | -1.799 | 0 | %100 |
| 65 | MP2B | X | 3.116 | 3.116 | 0 | %100 |
| 66 | MP2B | Z | -1.799 | -1.799 | 0 | %100 |
| 67 | MP3B | X | 3.116 | 3.116 | 0 | %100 |
| 68 | MP3B | Z | -1.799 | -1.799 | 0 | %100 |
| 69 | MP4B | X | 3.116 | 3.116 | 0 | %100 |
| 70 | MP4B | Z | -1.799 | -1.799 | 0 | %100 |
| 71 | MP5B | X | 3.116 | 3.116 | 0 | %100 |
| 72 | MP5B | Z | -1.799 | -1.799 | 0 | %100 |
| 73 | M169C | X | 0 | 0 | 0 | %100 |
| 74 | M169C | Z | 0 | 0 | 0 | %100 |
| 75 | M170C | X | .755 | .755 | 0 | %100 |
| 76 | M170C | Z | -.436 | -.436 | 0 | %100 |
| 77 | M171B | X | .755 | .755 | 0 | %100 |
| 78 | M171B | Z | -.436 | -.436 | 0 | %100 |
| 79 | M172A | X | 3.581 | 3.581 | 0 | %100 |
| 80 | M172A | Z | -2.067 | -2.067 | 0 | %100 |
| 81 | M174A | X | 5.141 | 5.141 | 0 | %100 |
| 82 | M174A | Z | -2.968 | -2.968 | 0 | %100 |
| 83 | M175A | X | 4.643 | 4.643 | 0 | %100 |
| 84 | M175A | Z | -2.681 | -2.681 | 0 | %100 |
| 85 | M176A | X | 0 | 0 | 0 | %100 |
| 86 | M176A | Z | 0 | 0 | 0 | %100 |
| 87 | M177A | X | 0 | 0 | 0 | %100 |
| 88 | M177A | Z | 0 | 0 | 0 | %100 |
| 89 | M186A | X | 2.053 | 2.053 | 0 | %100 |
| 90 | M186A | Z | -1.185 | -1.185 | 0 | %100 |
| 91 | M187A | X | .755 | .755 | 0 | %100 |
| 92 | M187A | Z | -.436 | -.436 | 0 | %100 |
| 93 | M188A | X | 3.02 | 3.02 | 0 | %100 |
| 94 | M188A | Z | -1.744 | -1.744 | 0 | %100 |
| 95 | M189A | X | .895 | .895 | 0 | %100 |
| 96 | M189A | Z | -.517 | -.517 | 0 | %100 |
| 97 | M191 | X | 4.59 | 4.59 | 0 | %100 |
| 98 | M191 | Z | -2.65 | -2.65 | 0 | %100 |
| 99 | M192A | X | 1.161 | 1.161 | 0 | %100 |
| 100 | M192A | Z | -.67 | -.67 | 0 | %100 |
| 101 | M193 | X | 1.926 | 1.926 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 102 | M193 | Z | -1.112 | -1.112 | 0 | %100 |
| 103 | M194 | X | 1.926 | 1.926 | 0 | %100 |
| 104 | M194 | Z | -1.112 | -1.112 | 0 | %100 |
| 105 | M205 | X | 3.136 | 3.136 | 0 | %100 |
| 106 | M205 | Z | -1.811 | -1.811 | 0 | %100 |
| 107 | M208 | X | .784 | .784 | 0 | %100 |
| 108 | M208 | Z | -.453 | -.453 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | 3.161 | 3.161 | 0 | %100 |
| 2 | M64 | Z | 0 | 0 | 0 | %100 |
| 3 | M22 | X | 2.615 | 2.615 | 0 | %100 |
| 4 | M22 | Z | 0 | 0 | 0 | %100 |
| 5 | M23 | X | 2.615 | 2.615 | 0 | %100 |
| 6 | M23 | Z | 0 | 0 | 0 | %100 |
| 7 | M27A | X | 0 | 0 | 0 | %100 |
| 8 | M27A | Z | 0 | 0 | 0 | %100 |
| 9 | FACE2 | X | 0 | 0 | 0 | %100 |
| 10 | FACE2 | Z | 0 | 0 | 0 | %100 |
| 11 | M38 | X | 0 | 0 | 0 | %100 |
| 12 | M38 | Z | 0 | 0 | 0 | %100 |
| 13 | M49A | X | 0 | 0 | 0 | %100 |
| 14 | M49A | Z | 0 | 0 | 0 | %100 |
| 15 | MP1A | X | 3.598 | 3.598 | 0 | %100 |
| 16 | MP1A | Z | 0 | 0 | 0 | %100 |
| 17 | MP2A | X | 3.598 | 3.598 | 0 | %100 |
| 18 | MP2A | Z | 0 | 0 | 0 | %100 |
| 19 | MP3A | X | 3.598 | 3.598 | 0 | %100 |
| 20 | MP3A | Z | 0 | 0 | 0 | %100 |
| 21 | MP4A | X | 3.598 | 3.598 | 0 | %100 |
| 22 | MP4A | Z | 0 | 0 | 0 | %100 |
| 23 | MP5A | X | 3.598 | 3.598 | 0 | %100 |
| 24 | MP5A | Z | 0 | 0 | 0 | %100 |
| 25 | M96 | X | 0 | 0 | 0 | %100 |
| 26 | M96 | Z | 0 | 0 | 0 | %100 |
| 27 | M98 | X | 5.088 | 5.088 | 0 | %100 |
| 28 | M98 | Z | 0 | 0 | 0 | %100 |
| 29 | M105A | X | 0 | 0 | 0 | %100 |
| 30 | M105A | Z | 0 | 0 | 0 | %100 |
| 31 | M99 | X | 2.966 | 2.966 | 0 | %100 |
| 32 | M99 | Z | 0 | 0 | 0 | %100 |
| 33 | M100 | X | 2.966 | 2.966 | 0 | %100 |
| 34 | M100 | Z | 0 | 0 | 0 | %100 |
| 35 | M146 | X | .741 | .741 | 0 | %100 |
| 36 | M146 | Z | 0 | 0 | 0 | %100 |
| 37 | M192 | X | .741 | .741 | 0 | %100 |
| 38 | M192 | Z | 0 | 0 | 0 | %100 |
| 39 | OVP | X | 2.555 | 2.555 | 0 | %100 |
| 40 | OVP | Z | 0 | 0 | 0 | %100 |
| 41 | M135A | X | 2.905 | 2.905 | 0 | %100 |
| 42 | M135A | Z | 0 | 0 | 0 | %100 |
| 43 | M136A | X | 2.905 | 2.905 | 0 | %100 |
| 44 | M136A | Z | 0 | 0 | 0 | %100 |
| 45 | M147 | X | 2.435 | 2.435 | 0 | %100 |
| 46 | M147 | Z | 0 | 0 | 0 | %100 |
| 47 | MP1C | X | 3.598 | 3.598 | 0 | %100 |
| 48 | MP1C | Z | 0 | 0 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 49 | MP2C | X | 3.598 | 3.598 | 0 | %100 |
| 50 | MP2C | Z | 0 | 0 | 0 | %100 |
| 51 | MP3C | X | 3.598 | 3.598 | 0 | %100 |
| 52 | MP3C | Z | 0 | 0 | 0 | %100 |
| 53 | MP4C | X | 3.598 | 3.598 | 0 | %100 |
| 54 | MP4C | Z | 0 | 0 | 0 | %100 |
| 55 | MP5C | X | 3.598 | 3.598 | 0 | %100 |
| 56 | MP5C | Z | 0 | 0 | 0 | %100 |
| 57 | M153 | X | 2.905 | 2.905 | 0 | %100 |
| 58 | M153 | Z | 0 | 0 | 0 | %100 |
| 59 | M154 | X | 2.905 | 2.905 | 0 | %100 |
| 60 | M154 | Z | 0 | 0 | 0 | %100 |
| 61 | M165A | X | 2.435 | 2.435 | 0 | %100 |
| 62 | M165A | Z | 0 | 0 | 0 | %100 |
| 63 | MP1B | X | 3.598 | 3.598 | 0 | %100 |
| 64 | MP1B | Z | 0 | 0 | 0 | %100 |
| 65 | MP2B | X | 3.598 | 3.598 | 0 | %100 |
| 66 | MP2B | Z | 0 | 0 | 0 | %100 |
| 67 | MP3B | X | 3.598 | 3.598 | 0 | %100 |
| 68 | MP3B | Z | 0 | 0 | 0 | %100 |
| 69 | MP4B | X | 3.598 | 3.598 | 0 | %100 |
| 70 | MP4B | Z | 0 | 0 | 0 | %100 |
| 71 | MP5B | X | 3.598 | 3.598 | 0 | %100 |
| 72 | MP5B | Z | 0 | 0 | 0 | %100 |
| 73 | M169C | X | .79 | .79 | 0 | %100 |
| 74 | M169C | Z | 0 | 0 | 0 | %100 |
| 75 | M170C | X | 2.615 | 2.615 | 0 | %100 |
| 76 | M170C | Z | 0 | 0 | 0 | %100 |
| 77 | M171B | X | 0 | 0 | 0 | %100 |
| 78 | M171B | Z | 0 | 0 | 0 | %100 |
| 79 | M172A | X | 3.101 | 3.101 | 0 | %100 |
| 80 | M172A | Z | 0 | 0 | 0 | %100 |
| 81 | M174A | X | 5.724 | 5.724 | 0 | %100 |
| 82 | M174A | Z | 0 | 0 | 0 | %100 |
| 83 | M175A | X | 4.021 | 4.021 | 0 | %100 |
| 84 | M175A | Z | 0 | 0 | 0 | %100 |
| 85 | M176A | X | .741 | .741 | 0 | %100 |
| 86 | M176A | Z | 0 | 0 | 0 | %100 |
| 87 | M177A | X | .741 | .741 | 0 | %100 |
| 88 | M177A | Z | 0 | 0 | 0 | %100 |
| 89 | M186A | X | .79 | .79 | 0 | %100 |
| 90 | M186A | Z | 0 | 0 | 0 | %100 |
| 91 | M187A | X | 0 | 0 | 0 | %100 |
| 92 | M187A | Z | 0 | 0 | 0 | %100 |
| 93 | M188A | X | 2.615 | 2.615 | 0 | %100 |
| 94 | M188A | Z | 0 | 0 | 0 | %100 |
| 95 | M189A | X | 3.101 | 3.101 | 0 | %100 |
| 96 | M189A | Z | 0 | 0 | 0 | %100 |
| 97 | M191 | X | 5.724 | 5.724 | 0 | %100 |
| 98 | M191 | Z | 0 | 0 | 0 | %100 |
| 99 | M192A | X | 4.021 | 4.021 | 0 | %100 |
| 100 | M192A | Z | 0 | 0 | 0 | %100 |
| 101 | M193 | X | .741 | .741 | 0 | %100 |
| 102 | M193 | Z | 0 | 0 | 0 | %100 |
| 103 | M194 | X | .741 | .741 | 0 | %100 |
| 104 | M194 | Z | 0 | 0 | 0 | %100 |
| 105 | M205 | X | 2.716 | 2.716 | 0 | %100 |
| 106 | M205 | Z | 0 | 0 | 0 | %100 |
| 107 | M208 | X | 2.716 | 2.716 | 0 | %100 |



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

| Member Label | Direction | Start Magnitude[lb/ft,...] | End Magnitude[lb/ft,...] | Start Location[ft,%] | End Location[ft,%] |
|--------------|-----------|----------------------------|--------------------------|----------------------|--------------------|
| 108 | M208 | Z | 0 | 0 | %100 |

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

| Member Label | Direction | Start Magnitude[lb/ft,...] | End Magnitude[lb/ft,...] | Start Location[ft,%] | End Location[ft,%] | |
|--------------|-----------|----------------------------|--------------------------|----------------------|--------------------|------|
| 1 | M64 | X | 2.053 | 2.053 | 0 | %100 |
| 2 | M64 | Z | 1.185 | 1.185 | 0 | %100 |
| 3 | M22 | X | .755 | .755 | 0 | %100 |
| 4 | M22 | Z | .436 | .436 | 0 | %100 |
| 5 | M23 | X | 3.02 | 3.02 | 0 | %100 |
| 6 | M23 | Z | 1.744 | 1.744 | 0 | %100 |
| 7 | M27A | X | .895 | .895 | 0 | %100 |
| 8 | M27A | Z | .517 | .517 | 0 | %100 |
| 9 | FACE2 | X | .839 | .839 | 0 | %100 |
| 10 | FACE2 | Z | .484 | .484 | 0 | %100 |
| 11 | M38 | X | .839 | .839 | 0 | %100 |
| 12 | M38 | Z | .484 | .484 | 0 | %100 |
| 13 | M49A | X | .703 | .703 | 0 | %100 |
| 14 | M49A | Z | .406 | .406 | 0 | %100 |
| 15 | MP1A | X | 3.116 | 3.116 | 0 | %100 |
| 16 | MP1A | Z | 1.799 | 1.799 | 0 | %100 |
| 17 | MP2A | X | 3.116 | 3.116 | 0 | %100 |
| 18 | MP2A | Z | 1.799 | 1.799 | 0 | %100 |
| 19 | MP3A | X | 3.116 | 3.116 | 0 | %100 |
| 20 | MP3A | Z | 1.799 | 1.799 | 0 | %100 |
| 21 | MP4A | X | 3.116 | 3.116 | 0 | %100 |
| 22 | MP4A | Z | 1.799 | 1.799 | 0 | %100 |
| 23 | MP5A | X | 3.116 | 3.116 | 0 | %100 |
| 24 | MP5A | Z | 1.799 | 1.799 | 0 | %100 |
| 25 | M96 | X | .784 | .784 | 0 | %100 |
| 26 | M96 | Z | .453 | .453 | 0 | %100 |
| 27 | M98 | X | 4.59 | 4.59 | 0 | %100 |
| 28 | M98 | Z | 2.65 | 2.65 | 0 | %100 |
| 29 | M105A | X | 1.161 | 1.161 | 0 | %100 |
| 30 | M105A | Z | .67 | .67 | 0 | %100 |
| 31 | M99 | X | 1.926 | 1.926 | 0 | %100 |
| 32 | M99 | Z | 1.112 | 1.112 | 0 | %100 |
| 33 | M100 | X | 1.926 | 1.926 | 0 | %100 |
| 34 | M100 | Z | 1.112 | 1.112 | 0 | %100 |
| 35 | M146 | X | 1.926 | 1.926 | 0 | %100 |
| 36 | M146 | Z | 1.112 | 1.112 | 0 | %100 |
| 37 | M192 | X | 0 | 0 | 0 | %100 |
| 38 | M192 | Z | 0 | 0 | 0 | %100 |
| 39 | OVP | X | 2.213 | 2.213 | 0 | %100 |
| 40 | OVP | Z | 1.278 | 1.278 | 0 | %100 |
| 41 | M135A | X | .839 | .839 | 0 | %100 |
| 42 | M135A | Z | .484 | .484 | 0 | %100 |
| 43 | M136A | X | .839 | .839 | 0 | %100 |
| 44 | M136A | Z | .484 | .484 | 0 | %100 |
| 45 | M147 | X | .703 | .703 | 0 | %100 |
| 46 | M147 | Z | .406 | .406 | 0 | %100 |
| 47 | MP1C | X | 3.116 | 3.116 | 0 | %100 |
| 48 | MP1C | Z | 1.799 | 1.799 | 0 | %100 |
| 49 | MP2C | X | 3.116 | 3.116 | 0 | %100 |
| 50 | MP2C | Z | 1.799 | 1.799 | 0 | %100 |
| 51 | MP3C | X | 3.116 | 3.116 | 0 | %100 |
| 52 | MP3C | Z | 1.799 | 1.799 | 0 | %100 |
| 53 | MP4C | X | 3.116 | 3.116 | 0 | %100 |
| 54 | MP4C | Z | 1.799 | 1.799 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 55 | MP5C | X | 3.116 | 3.116 | 0 | %100 |
| 56 | MP5C | Z | 1.799 | 1.799 | 0 | %100 |
| 57 | M153 | X | 3.355 | 3.355 | 0 | %100 |
| 58 | M153 | Z | 1.937 | 1.937 | 0 | %100 |
| 59 | M154 | X | 3.355 | 3.355 | 0 | %100 |
| 60 | M154 | Z | 1.937 | 1.937 | 0 | %100 |
| 61 | M165A | X | 2.812 | 2.812 | 0 | %100 |
| 62 | M165A | Z | 1.623 | 1.623 | 0 | %100 |
| 63 | MP1B | X | 3.116 | 3.116 | 0 | %100 |
| 64 | MP1B | Z | 1.799 | 1.799 | 0 | %100 |
| 65 | MP2B | X | 3.116 | 3.116 | 0 | %100 |
| 66 | MP2B | Z | 1.799 | 1.799 | 0 | %100 |
| 67 | MP3B | X | 3.116 | 3.116 | 0 | %100 |
| 68 | MP3B | Z | 1.799 | 1.799 | 0 | %100 |
| 69 | MP4B | X | 3.116 | 3.116 | 0 | %100 |
| 70 | MP4B | Z | 1.799 | 1.799 | 0 | %100 |
| 71 | MP5B | X | 3.116 | 3.116 | 0 | %100 |
| 72 | MP5B | Z | 1.799 | 1.799 | 0 | %100 |
| 73 | M169C | X | 2.053 | 2.053 | 0 | %100 |
| 74 | M169C | Z | 1.185 | 1.185 | 0 | %100 |
| 75 | M170C | X | 3.02 | 3.02 | 0 | %100 |
| 76 | M170C | Z | 1.744 | 1.744 | 0 | %100 |
| 77 | M171B | X | .755 | .755 | 0 | %100 |
| 78 | M171B | Z | .436 | .436 | 0 | %100 |
| 79 | M172A | X | .895 | .895 | 0 | %100 |
| 80 | M172A | Z | .517 | .517 | 0 | %100 |
| 81 | M174A | X | 4.59 | 4.59 | 0 | %100 |
| 82 | M174A | Z | 2.65 | 2.65 | 0 | %100 |
| 83 | M175A | X | 1.161 | 1.161 | 0 | %100 |
| 84 | M175A | Z | .67 | .67 | 0 | %100 |
| 85 | M176A | X | 1.926 | 1.926 | 0 | %100 |
| 86 | M176A | Z | 1.112 | 1.112 | 0 | %100 |
| 87 | M177A | X | 1.926 | 1.926 | 0 | %100 |
| 88 | M177A | Z | 1.112 | 1.112 | 0 | %100 |
| 89 | M186A | X | 0 | 0 | 0 | %100 |
| 90 | M186A | Z | 0 | 0 | 0 | %100 |
| 91 | M187A | X | .755 | .755 | 0 | %100 |
| 92 | M187A | Z | .436 | .436 | 0 | %100 |
| 93 | M188A | X | .755 | .755 | 0 | %100 |
| 94 | M188A | Z | .436 | .436 | 0 | %100 |
| 95 | M189A | X | 3.581 | 3.581 | 0 | %100 |
| 96 | M189A | Z | 2.067 | 2.067 | 0 | %100 |
| 97 | M191 | X | 5.141 | 5.141 | 0 | %100 |
| 98 | M191 | Z | 2.968 | 2.968 | 0 | %100 |
| 99 | M192A | X | 4.643 | 4.643 | 0 | %100 |
| 100 | M192A | Z | 2.681 | 2.681 | 0 | %100 |
| 101 | M193 | X | 0 | 0 | 0 | %100 |
| 102 | M193 | Z | 0 | 0 | 0 | %100 |
| 103 | M194 | X | 0 | 0 | 0 | %100 |
| 104 | M194 | Z | 0 | 0 | 0 | %100 |
| 105 | M205 | X | .784 | .784 | 0 | %100 |
| 106 | M205 | Z | .453 | .453 | 0 | %100 |
| 107 | M208 | X | 3.136 | 3.136 | 0 | %100 |
| 108 | M208 | Z | 1.811 | 1.811 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|---|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | .395 | .395 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 2 | M64 | Z | .684 | .684 | 0 | %100 |
| 3 | M22 | X | 0 | 0 | 0 | %100 |
| 4 | M22 | Z | 0 | 0 | 0 | %100 |
| 5 | M23 | X | 1.308 | 1.308 | 0 | %100 |
| 6 | M23 | Z | 2.265 | 2.265 | 0 | %100 |
| 7 | M27A | X | 1.55 | 1.55 | 0 | %100 |
| 8 | M27A | Z | 2.685 | 2.685 | 0 | %100 |
| 9 | FACE2 | X | 1.453 | 1.453 | 0 | %100 |
| 10 | FACE2 | Z | 2.516 | 2.516 | 0 | %100 |
| 11 | M38 | X | 1.453 | 1.453 | 0 | %100 |
| 12 | M38 | Z | 2.516 | 2.516 | 0 | %100 |
| 13 | M49A | X | 1.218 | 1.218 | 0 | %100 |
| 14 | M49A | Z | 2.109 | 2.109 | 0 | %100 |
| 15 | MP1A | X | 1.799 | 1.799 | 0 | %100 |
| 16 | MP1A | Z | 3.116 | 3.116 | 0 | %100 |
| 17 | MP2A | X | 1.799 | 1.799 | 0 | %100 |
| 18 | MP2A | Z | 3.116 | 3.116 | 0 | %100 |
| 19 | MP3A | X | 1.799 | 1.799 | 0 | %100 |
| 20 | MP3A | Z | 3.116 | 3.116 | 0 | %100 |
| 21 | MP4A | X | 1.799 | 1.799 | 0 | %100 |
| 22 | MP4A | Z | 3.116 | 3.116 | 0 | %100 |
| 23 | MP5A | X | 1.799 | 1.799 | 0 | %100 |
| 24 | MP5A | Z | 3.116 | 3.116 | 0 | %100 |
| 25 | M96 | X | 1.358 | 1.358 | 0 | %100 |
| 26 | M96 | Z | 2.352 | 2.352 | 0 | %100 |
| 27 | M98 | X | 2.862 | 2.862 | 0 | %100 |
| 28 | M98 | Z | 4.957 | 4.957 | 0 | %100 |
| 29 | M105A | X | 2.011 | 2.011 | 0 | %100 |
| 30 | M105A | Z | 3.482 | 3.482 | 0 | %100 |
| 31 | M99 | X | .371 | .371 | 0 | %100 |
| 32 | M99 | Z | .642 | .642 | 0 | %100 |
| 33 | M100 | X | .371 | .371 | 0 | %100 |
| 34 | M100 | Z | .642 | .642 | 0 | %100 |
| 35 | M146 | X | 1.483 | 1.483 | 0 | %100 |
| 36 | M146 | Z | 2.569 | 2.569 | 0 | %100 |
| 37 | M192 | X | .371 | .371 | 0 | %100 |
| 38 | M192 | Z | .642 | .642 | 0 | %100 |
| 39 | OVP | X | 1.278 | 1.278 | 0 | %100 |
| 40 | OVP | Z | 2.213 | 2.213 | 0 | %100 |
| 41 | M135A | X | 0 | 0 | 0 | %100 |
| 42 | M135A | Z | 0 | 0 | 0 | %100 |
| 43 | M136A | X | 0 | 0 | 0 | %100 |
| 44 | M136A | Z | 0 | 0 | 0 | %100 |
| 45 | M147 | X | 0 | 0 | 0 | %100 |
| 46 | M147 | Z | 0 | 0 | 0 | %100 |
| 47 | MP1C | X | 1.799 | 1.799 | 0 | %100 |
| 48 | MP1C | Z | 3.116 | 3.116 | 0 | %100 |
| 49 | MP2C | X | 1.799 | 1.799 | 0 | %100 |
| 50 | MP2C | Z | 3.116 | 3.116 | 0 | %100 |
| 51 | MP3C | X | 1.799 | 1.799 | 0 | %100 |
| 52 | MP3C | Z | 3.116 | 3.116 | 0 | %100 |
| 53 | MP4C | X | 1.799 | 1.799 | 0 | %100 |
| 54 | MP4C | Z | 3.116 | 3.116 | 0 | %100 |
| 55 | MP5C | X | 1.799 | 1.799 | 0 | %100 |
| 56 | MP5C | Z | 3.116 | 3.116 | 0 | %100 |
| 57 | M153 | X | 1.453 | 1.453 | 0 | %100 |
| 58 | M153 | Z | 2.516 | 2.516 | 0 | %100 |
| 59 | M154 | X | 1.453 | 1.453 | 0 | %100 |
| 60 | M154 | Z | 2.516 | 2.516 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 61 | M165A | X | 1.218 | 1.218 | 0 | %100 |
| 62 | M165A | Z | 2.109 | 2.109 | 0 | %100 |
| 63 | MP1B | X | 1.799 | 1.799 | 0 | %100 |
| 64 | MP1B | Z | 3.116 | 3.116 | 0 | %100 |
| 65 | MP2B | X | 1.799 | 1.799 | 0 | %100 |
| 66 | MP2B | Z | 3.116 | 3.116 | 0 | %100 |
| 67 | MP3B | X | 1.799 | 1.799 | 0 | %100 |
| 68 | MP3B | Z | 3.116 | 3.116 | 0 | %100 |
| 69 | MP4B | X | 1.799 | 1.799 | 0 | %100 |
| 70 | MP4B | Z | 3.116 | 3.116 | 0 | %100 |
| 71 | MP5B | X | 1.799 | 1.799 | 0 | %100 |
| 72 | MP5B | Z | 3.116 | 3.116 | 0 | %100 |
| 73 | M169C | X | 1.58 | 1.58 | 0 | %100 |
| 74 | M169C | Z | 2.737 | 2.737 | 0 | %100 |
| 75 | M170C | X | 1.308 | 1.308 | 0 | %100 |
| 76 | M170C | Z | 2.265 | 2.265 | 0 | %100 |
| 77 | M171B | X | 1.308 | 1.308 | 0 | %100 |
| 78 | M171B | Z | 2.265 | 2.265 | 0 | %100 |
| 79 | M172A | X | 0 | 0 | 0 | %100 |
| 80 | M172A | Z | 0 | 0 | 0 | %100 |
| 81 | M174A | X | 2.544 | 2.544 | 0 | %100 |
| 82 | M174A | Z | 4.406 | 4.406 | 0 | %100 |
| 83 | M175A | X | 0 | 0 | 0 | %100 |
| 84 | M175A | Z | 0 | 0 | 0 | %100 |
| 85 | M176A | X | 1.483 | 1.483 | 0 | %100 |
| 86 | M176A | Z | 2.569 | 2.569 | 0 | %100 |
| 87 | M177A | X | 1.483 | 1.483 | 0 | %100 |
| 88 | M177A | Z | 2.569 | 2.569 | 0 | %100 |
| 89 | M186A | X | .395 | .395 | 0 | %100 |
| 90 | M186A | Z | .684 | .684 | 0 | %100 |
| 91 | M187A | X | 1.308 | 1.308 | 0 | %100 |
| 92 | M187A | Z | 2.265 | 2.265 | 0 | %100 |
| 93 | M188A | X | 0 | 0 | 0 | %100 |
| 94 | M188A | Z | 0 | 0 | 0 | %100 |
| 95 | M189A | X | 1.55 | 1.55 | 0 | %100 |
| 96 | M189A | Z | 2.685 | 2.685 | 0 | %100 |
| 97 | M191 | X | 2.862 | 2.862 | 0 | %100 |
| 98 | M191 | Z | 4.957 | 4.957 | 0 | %100 |
| 99 | M192A | X | 2.011 | 2.011 | 0 | %100 |
| 100 | M192A | Z | 3.482 | 3.482 | 0 | %100 |
| 101 | M193 | X | .371 | .371 | 0 | %100 |
| 102 | M193 | Z | .642 | .642 | 0 | %100 |
| 103 | M194 | X | .371 | .371 | 0 | %100 |
| 104 | M194 | Z | .642 | .642 | 0 | %100 |
| 105 | M205 | X | 0 | 0 | 0 | %100 |
| 106 | M205 | Z | 0 | 0 | 0 | %100 |
| 107 | M208 | X | 1.358 | 1.358 | 0 | %100 |
| 108 | M208 | Z | 2.352 | 2.352 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|---|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | 0 | 0 | 0 | %100 |
| 2 | M64 | Z | 0 | 0 | 0 | %100 |
| 3 | M22 | X | 0 | 0 | 0 | %100 |
| 4 | M22 | Z | .872 | .872 | 0 | %100 |
| 5 | M23 | X | 0 | 0 | 0 | %100 |
| 6 | M23 | Z | .872 | .872 | 0 | %100 |
| 7 | M27A | X | 0 | 0 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 8 | M27A | Z | 4.134 | 4.134 | 0 | %100 |
| 9 | FACE2 | X | 0 | 0 | 0 | %100 |
| 10 | FACE2 | Z | 3.873 | 3.873 | 0 | %100 |
| 11 | M38 | X | 0 | 0 | 0 | %100 |
| 12 | M38 | Z | 3.873 | 3.873 | 0 | %100 |
| 13 | M49A | X | 0 | 0 | 0 | %100 |
| 14 | M49A | Z | 3.247 | 3.247 | 0 | %100 |
| 15 | MP1A | X | 0 | 0 | 0 | %100 |
| 16 | MP1A | Z | 3.598 | 3.598 | 0 | %100 |
| 17 | MP2A | X | 0 | 0 | 0 | %100 |
| 18 | MP2A | Z | 3.598 | 3.598 | 0 | %100 |
| 19 | MP3A | X | 0 | 0 | 0 | %100 |
| 20 | MP3A | Z | 3.598 | 3.598 | 0 | %100 |
| 21 | MP4A | X | 0 | 0 | 0 | %100 |
| 22 | MP4A | Z | 3.598 | 3.598 | 0 | %100 |
| 23 | MP5A | X | 0 | 0 | 0 | %100 |
| 24 | MP5A | Z | 3.598 | 3.598 | 0 | %100 |
| 25 | M96 | X | 0 | 0 | 0 | %100 |
| 26 | M96 | Z | 3.622 | 3.622 | 0 | %100 |
| 27 | M98 | X | 0 | 0 | 0 | %100 |
| 28 | M98 | Z | 5.936 | 5.936 | 0 | %100 |
| 29 | M105A | X | 0 | 0 | 0 | %100 |
| 30 | M105A | Z | 5.362 | 5.362 | 0 | %100 |
| 31 | M99 | X | 0 | 0 | 0 | %100 |
| 32 | M99 | Z | 0 | 0 | 0 | %100 |
| 33 | M100 | X | 0 | 0 | 0 | %100 |
| 34 | M100 | Z | 0 | 0 | 0 | %100 |
| 35 | M146 | X | 0 | 0 | 0 | %100 |
| 36 | M146 | Z | 2.224 | 2.224 | 0 | %100 |
| 37 | M192 | X | 0 | 0 | 0 | %100 |
| 38 | M192 | Z | 2.224 | 2.224 | 0 | %100 |
| 39 | OVP | X | 0 | 0 | 0 | %100 |
| 40 | OVP | Z | 2.555 | 2.555 | 0 | %100 |
| 41 | M135A | X | 0 | 0 | 0 | %100 |
| 42 | M135A | Z | .968 | .968 | 0 | %100 |
| 43 | M136A | X | 0 | 0 | 0 | %100 |
| 44 | M136A | Z | .968 | .968 | 0 | %100 |
| 45 | M147 | X | 0 | 0 | 0 | %100 |
| 46 | M147 | Z | .812 | .812 | 0 | %100 |
| 47 | MP1C | X | 0 | 0 | 0 | %100 |
| 48 | MP1C | Z | 3.598 | 3.598 | 0 | %100 |
| 49 | MP2C | X | 0 | 0 | 0 | %100 |
| 50 | MP2C | Z | 3.598 | 3.598 | 0 | %100 |
| 51 | MP3C | X | 0 | 0 | 0 | %100 |
| 52 | MP3C | Z | 3.598 | 3.598 | 0 | %100 |
| 53 | MP4C | X | 0 | 0 | 0 | %100 |
| 54 | MP4C | Z | 3.598 | 3.598 | 0 | %100 |
| 55 | MP5C | X | 0 | 0 | 0 | %100 |
| 56 | MP5C | Z | 3.598 | 3.598 | 0 | %100 |
| 57 | M153 | X | 0 | 0 | 0 | %100 |
| 58 | M153 | Z | .968 | .968 | 0 | %100 |
| 59 | M154 | X | 0 | 0 | 0 | %100 |
| 60 | M154 | Z | .968 | .968 | 0 | %100 |
| 61 | M165A | X | 0 | 0 | 0 | %100 |
| 62 | M165A | Z | .812 | .812 | 0 | %100 |
| 63 | MP1B | X | 0 | 0 | 0 | %100 |
| 64 | MP1B | Z | 3.598 | 3.598 | 0 | %100 |
| 65 | MP2B | X | 0 | 0 | 0 | %100 |
| 66 | MP2B | Z | 3.598 | 3.598 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 67 | MP3B | X | 0 | 0 | 0 | %100 |
| 68 | MP3B | Z | 3.598 | 3.598 | 0 | %100 |
| 69 | MP4B | X | 0 | 0 | 0 | %100 |
| 70 | MP4B | Z | 3.598 | 3.598 | 0 | %100 |
| 71 | MP5B | X | 0 | 0 | 0 | %100 |
| 72 | MP5B | Z | 3.598 | 3.598 | 0 | %100 |
| 73 | M169C | X | 0 | 0 | 0 | %100 |
| 74 | M169C | Z | 2.371 | 2.371 | 0 | %100 |
| 75 | M170C | X | 0 | 0 | 0 | %100 |
| 76 | M170C | Z | .872 | .872 | 0 | %100 |
| 77 | M171B | X | 0 | 0 | 0 | %100 |
| 78 | M171B | Z | 3.487 | 3.487 | 0 | %100 |
| 79 | M172A | X | 0 | 0 | 0 | %100 |
| 80 | M172A | Z | 1.034 | 1.034 | 0 | %100 |
| 81 | M174A | X | 0 | 0 | 0 | %100 |
| 82 | M174A | Z | 5.3 | 5.3 | 0 | %100 |
| 83 | M175A | X | 0 | 0 | 0 | %100 |
| 84 | M175A | Z | 1.34 | 1.34 | 0 | %100 |
| 85 | M176A | X | 0 | 0 | 0 | %100 |
| 86 | M176A | Z | 2.224 | 2.224 | 0 | %100 |
| 87 | M177A | X | 0 | 0 | 0 | %100 |
| 88 | M177A | Z | 2.224 | 2.224 | 0 | %100 |
| 89 | M186A | X | 0 | 0 | 0 | %100 |
| 90 | M186A | Z | 2.371 | 2.371 | 0 | %100 |
| 91 | M187A | X | 0 | 0 | 0 | %100 |
| 92 | M187A | Z | 3.487 | 3.487 | 0 | %100 |
| 93 | M188A | X | 0 | 0 | 0 | %100 |
| 94 | M188A | Z | .872 | .872 | 0 | %100 |
| 95 | M189A | X | 0 | 0 | 0 | %100 |
| 96 | M189A | Z | 1.034 | 1.034 | 0 | %100 |
| 97 | M191 | X | 0 | 0 | 0 | %100 |
| 98 | M191 | Z | 5.3 | 5.3 | 0 | %100 |
| 99 | M192A | X | 0 | 0 | 0 | %100 |
| 100 | M192A | Z | 1.34 | 1.34 | 0 | %100 |
| 101 | M193 | X | 0 | 0 | 0 | %100 |
| 102 | M193 | Z | 2.224 | 2.224 | 0 | %100 |
| 103 | M194 | X | 0 | 0 | 0 | %100 |
| 104 | M194 | Z | 2.224 | 2.224 | 0 | %100 |
| 105 | M205 | X | 0 | 0 | 0 | %100 |
| 106 | M205 | Z | .905 | .905 | 0 | %100 |
| 107 | M208 | X | 0 | 0 | 0 | %100 |
| 108 | M208 | Z | .905 | .905 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | -.395 | -.395 | 0 | %100 |
| 2 | M64 | Z | .684 | .684 | 0 | %100 |
| 3 | M22 | X | -1.308 | -1.308 | 0 | %100 |
| 4 | M22 | Z | 2.265 | 2.265 | 0 | %100 |
| 5 | M23 | X | 0 | 0 | 0 | %100 |
| 6 | M23 | Z | 0 | 0 | 0 | %100 |
| 7 | M27A | X | -1.55 | -1.55 | 0 | %100 |
| 8 | M27A | Z | 2.685 | 2.685 | 0 | %100 |
| 9 | FACE2 | X | -1.453 | -1.453 | 0 | %100 |
| 10 | FACE2 | Z | 2.516 | 2.516 | 0 | %100 |
| 11 | M38 | X | -1.453 | -1.453 | 0 | %100 |
| 12 | M38 | Z | 2.516 | 2.516 | 0 | %100 |
| 13 | M49A | X | -1.218 | -1.218 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 14 | M49A | Z | 2.109 | 2.109 | 0 | %100 |
| 15 | MP1A | X | -1.799 | -1.799 | 0 | %100 |
| 16 | MP1A | Z | 3.116 | 3.116 | 0 | %100 |
| 17 | MP2A | X | -1.799 | -1.799 | 0 | %100 |
| 18 | MP2A | Z | 3.116 | 3.116 | 0 | %100 |
| 19 | MP3A | X | -1.799 | -1.799 | 0 | %100 |
| 20 | MP3A | Z | 3.116 | 3.116 | 0 | %100 |
| 21 | MP4A | X | -1.799 | -1.799 | 0 | %100 |
| 22 | MP4A | Z | 3.116 | 3.116 | 0 | %100 |
| 23 | MP5A | X | -1.799 | -1.799 | 0 | %100 |
| 24 | MP5A | Z | 3.116 | 3.116 | 0 | %100 |
| 25 | M96 | X | -1.358 | -1.358 | 0 | %100 |
| 26 | M96 | Z | 2.352 | 2.352 | 0 | %100 |
| 27 | M98 | X | -2.862 | -2.862 | 0 | %100 |
| 28 | M98 | Z | 4.957 | 4.957 | 0 | %100 |
| 29 | M105A | X | -2.011 | -2.011 | 0 | %100 |
| 30 | M105A | Z | 3.482 | 3.482 | 0 | %100 |
| 31 | M99 | X | -.371 | -.371 | 0 | %100 |
| 32 | M99 | Z | .642 | .642 | 0 | %100 |
| 33 | M100 | X | -.371 | -.371 | 0 | %100 |
| 34 | M100 | Z | .642 | .642 | 0 | %100 |
| 35 | M146 | X | -.371 | -.371 | 0 | %100 |
| 36 | M146 | Z | .642 | .642 | 0 | %100 |
| 37 | M192 | X | -1.483 | -1.483 | 0 | %100 |
| 38 | M192 | Z | 2.569 | 2.569 | 0 | %100 |
| 39 | OVP | X | -1.278 | -1.278 | 0 | %100 |
| 40 | OVP | Z | 2.213 | 2.213 | 0 | %100 |
| 41 | M135A | X | -1.453 | -1.453 | 0 | %100 |
| 42 | M135A | Z | 2.516 | 2.516 | 0 | %100 |
| 43 | M136A | X | -1.453 | -1.453 | 0 | %100 |
| 44 | M136A | Z | 2.516 | 2.516 | 0 | %100 |
| 45 | M147 | X | -1.218 | -1.218 | 0 | %100 |
| 46 | M147 | Z | 2.109 | 2.109 | 0 | %100 |
| 47 | MP1C | X | -1.799 | -1.799 | 0 | %100 |
| 48 | MP1C | Z | 3.116 | 3.116 | 0 | %100 |
| 49 | MP2C | X | -1.799 | -1.799 | 0 | %100 |
| 50 | MP2C | Z | 3.116 | 3.116 | 0 | %100 |
| 51 | MP3C | X | -1.799 | -1.799 | 0 | %100 |
| 52 | MP3C | Z | 3.116 | 3.116 | 0 | %100 |
| 53 | MP4C | X | -1.799 | -1.799 | 0 | %100 |
| 54 | MP4C | Z | 3.116 | 3.116 | 0 | %100 |
| 55 | MP5C | X | -1.799 | -1.799 | 0 | %100 |
| 56 | MP5C | Z | 3.116 | 3.116 | 0 | %100 |
| 57 | M153 | X | 0 | 0 | 0 | %100 |
| 58 | M153 | Z | 0 | 0 | 0 | %100 |
| 59 | M154 | X | 0 | 0 | 0 | %100 |
| 60 | M154 | Z | 0 | 0 | 0 | %100 |
| 61 | M165A | X | 0 | 0 | 0 | %100 |
| 62 | M165A | Z | 0 | 0 | 0 | %100 |
| 63 | MP1B | X | -1.799 | -1.799 | 0 | %100 |
| 64 | MP1B | Z | 3.116 | 3.116 | 0 | %100 |
| 65 | MP2B | X | -1.799 | -1.799 | 0 | %100 |
| 66 | MP2B | Z | 3.116 | 3.116 | 0 | %100 |
| 67 | MP3B | X | -1.799 | -1.799 | 0 | %100 |
| 68 | MP3B | Z | 3.116 | 3.116 | 0 | %100 |
| 69 | MP4B | X | -1.799 | -1.799 | 0 | %100 |
| 70 | MP4B | Z | 3.116 | 3.116 | 0 | %100 |
| 71 | MP5B | X | -1.799 | -1.799 | 0 | %100 |
| 72 | MP5B | Z | 3.116 | 3.116 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 73 | M169C | X | - .395 | - .395 | 0 | %100 |
| 74 | M169C | Z | .684 | .684 | 0 | %100 |
| 75 | M170C | X | 0 | 0 | 0 | %100 |
| 76 | M170C | Z | 0 | 0 | 0 | %100 |
| 77 | M171B | X | -1.308 | -1.308 | 0 | %100 |
| 78 | M171B | Z | 2.265 | 2.265 | 0 | %100 |
| 79 | M172A | X | -1.55 | -1.55 | 0 | %100 |
| 80 | M172A | Z | 2.685 | 2.685 | 0 | %100 |
| 81 | M174A | X | -2.862 | -2.862 | 0 | %100 |
| 82 | M174A | Z | 4.957 | 4.957 | 0 | %100 |
| 83 | M175A | X | -2.011 | -2.011 | 0 | %100 |
| 84 | M175A | Z | 3.482 | 3.482 | 0 | %100 |
| 85 | M176A | X | -.371 | -.371 | 0 | %100 |
| 86 | M176A | Z | .642 | .642 | 0 | %100 |
| 87 | M177A | X | -.371 | -.371 | 0 | %100 |
| 88 | M177A | Z | .642 | .642 | 0 | %100 |
| 89 | M186A | X | -1.58 | -1.58 | 0 | %100 |
| 90 | M186A | Z | 2.737 | 2.737 | 0 | %100 |
| 91 | M187A | X | -1.308 | -1.308 | 0 | %100 |
| 92 | M187A | Z | 2.265 | 2.265 | 0 | %100 |
| 93 | M188A | X | -1.308 | -1.308 | 0 | %100 |
| 94 | M188A | Z | 2.265 | 2.265 | 0 | %100 |
| 95 | M189A | X | 0 | 0 | 0 | %100 |
| 96 | M189A | Z | 0 | 0 | 0 | %100 |
| 97 | M191 | X | -2.544 | -2.544 | 0 | %100 |
| 98 | M191 | Z | 4.406 | 4.406 | 0 | %100 |
| 99 | M192A | X | 0 | 0 | 0 | %100 |
| 100 | M192A | Z | 0 | 0 | 0 | %100 |
| 101 | M193 | X | -1.483 | -1.483 | 0 | %100 |
| 102 | M193 | Z | 2.569 | 2.569 | 0 | %100 |
| 103 | M194 | X | -1.483 | -1.483 | 0 | %100 |
| 104 | M194 | Z | 2.569 | 2.569 | 0 | %100 |
| 105 | M205 | X | -1.358 | -1.358 | 0 | %100 |
| 106 | M205 | Z | 2.352 | 2.352 | 0 | %100 |
| 107 | M208 | X | 0 | 0 | 0 | %100 |
| 108 | M208 | Z | 0 | 0 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | -2.053 | -2.053 | 0 | %100 |
| 2 | M64 | Z | 1.185 | 1.185 | 0 | %100 |
| 3 | M22 | X | -3.02 | -3.02 | 0 | %100 |
| 4 | M22 | Z | 1.744 | 1.744 | 0 | %100 |
| 5 | M23 | X | -.755 | -.755 | 0 | %100 |
| 6 | M23 | Z | .436 | .436 | 0 | %100 |
| 7 | M27A | X | -.895 | -.895 | 0 | %100 |
| 8 | M27A | Z | .517 | .517 | 0 | %100 |
| 9 | FACE2 | X | -.839 | -.839 | 0 | %100 |
| 10 | FACE2 | Z | .484 | .484 | 0 | %100 |
| 11 | M38 | X | -.839 | -.839 | 0 | %100 |
| 12 | M38 | Z | .484 | .484 | 0 | %100 |
| 13 | M49A | X | -.703 | -.703 | 0 | %100 |
| 14 | M49A | Z | .406 | .406 | 0 | %100 |
| 15 | MP1A | X | -3.116 | -3.116 | 0 | %100 |
| 16 | MP1A | Z | 1.799 | 1.799 | 0 | %100 |
| 17 | MP2A | X | -3.116 | -3.116 | 0 | %100 |
| 18 | MP2A | Z | 1.799 | 1.799 | 0 | %100 |
| 19 | MP3A | X | -3.116 | -3.116 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 20 | MP3A | Z | 1.799 | 1.799 | 0 | %100 |
| 21 | MP4A | X | -3.116 | -3.116 | 0 | %100 |
| 22 | MP4A | Z | 1.799 | 1.799 | 0 | %100 |
| 23 | MP5A | X | -3.116 | -3.116 | 0 | %100 |
| 24 | MP5A | Z | 1.799 | 1.799 | 0 | %100 |
| 25 | M96 | X | -.784 | -.784 | 0 | %100 |
| 26 | M96 | Z | .453 | .453 | 0 | %100 |
| 27 | M98 | X | -4.59 | -4.59 | 0 | %100 |
| 28 | M98 | Z | 2.65 | 2.65 | 0 | %100 |
| 29 | M105A | X | -1.161 | -1.161 | 0 | %100 |
| 30 | M105A | Z | .67 | .67 | 0 | %100 |
| 31 | M99 | X | -1.926 | -1.926 | 0 | %100 |
| 32 | M99 | Z | 1.112 | 1.112 | 0 | %100 |
| 33 | M100 | X | -1.926 | -1.926 | 0 | %100 |
| 34 | M100 | Z | 1.112 | 1.112 | 0 | %100 |
| 35 | M146 | X | 0 | 0 | 0 | %100 |
| 36 | M146 | Z | 0 | 0 | 0 | %100 |
| 37 | M192 | X | -1.926 | -1.926 | 0 | %100 |
| 38 | M192 | Z | 1.112 | 1.112 | 0 | %100 |
| 39 | OVP | X | -2.213 | -2.213 | 0 | %100 |
| 40 | OVP | Z | 1.278 | 1.278 | 0 | %100 |
| 41 | M135A | X | -3.355 | -3.355 | 0 | %100 |
| 42 | M135A | Z | 1.937 | 1.937 | 0 | %100 |
| 43 | M136A | X | -3.355 | -3.355 | 0 | %100 |
| 44 | M136A | Z | 1.937 | 1.937 | 0 | %100 |
| 45 | M147 | X | -2.812 | -2.812 | 0 | %100 |
| 46 | M147 | Z | 1.623 | 1.623 | 0 | %100 |
| 47 | MP1C | X | -3.116 | -3.116 | 0 | %100 |
| 48 | MP1C | Z | 1.799 | 1.799 | 0 | %100 |
| 49 | MP2C | X | -3.116 | -3.116 | 0 | %100 |
| 50 | MP2C | Z | 1.799 | 1.799 | 0 | %100 |
| 51 | MP3C | X | -3.116 | -3.116 | 0 | %100 |
| 52 | MP3C | Z | 1.799 | 1.799 | 0 | %100 |
| 53 | MP4C | X | -3.116 | -3.116 | 0 | %100 |
| 54 | MP4C | Z | 1.799 | 1.799 | 0 | %100 |
| 55 | MP5C | X | -3.116 | -3.116 | 0 | %100 |
| 56 | MP5C | Z | 1.799 | 1.799 | 0 | %100 |
| 57 | M153 | X | -.839 | -.839 | 0 | %100 |
| 58 | M153 | Z | .484 | .484 | 0 | %100 |
| 59 | M154 | X | -.839 | -.839 | 0 | %100 |
| 60 | M154 | Z | .484 | .484 | 0 | %100 |
| 61 | M165A | X | -.703 | -.703 | 0 | %100 |
| 62 | M165A | Z | .406 | .406 | 0 | %100 |
| 63 | MP1B | X | -3.116 | -3.116 | 0 | %100 |
| 64 | MP1B | Z | 1.799 | 1.799 | 0 | %100 |
| 65 | MP2B | X | -3.116 | -3.116 | 0 | %100 |
| 66 | MP2B | Z | 1.799 | 1.799 | 0 | %100 |
| 67 | MP3B | X | -3.116 | -3.116 | 0 | %100 |
| 68 | MP3B | Z | 1.799 | 1.799 | 0 | %100 |
| 69 | MP4B | X | -3.116 | -3.116 | 0 | %100 |
| 70 | MP4B | Z | 1.799 | 1.799 | 0 | %100 |
| 71 | MP5B | X | -3.116 | -3.116 | 0 | %100 |
| 72 | MP5B | Z | 1.799 | 1.799 | 0 | %100 |
| 73 | M169C | X | 0 | 0 | 0 | %100 |
| 74 | M169C | Z | 0 | 0 | 0 | %100 |
| 75 | M170C | X | -.755 | -.755 | 0 | %100 |
| 76 | M170C | Z | .436 | .436 | 0 | %100 |
| 77 | M171B | X | -.755 | -.755 | 0 | %100 |
| 78 | M171B | Z | .436 | .436 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 79 | M172A | X | -3.581 | -3.581 | 0 | %100 |
| 80 | M172A | Z | 2.067 | 2.067 | 0 | %100 |
| 81 | M174A | X | -5.141 | -5.141 | 0 | %100 |
| 82 | M174A | Z | 2.968 | 2.968 | 0 | %100 |
| 83 | M175A | X | -4.643 | -4.643 | 0 | %100 |
| 84 | M175A | Z | 2.681 | 2.681 | 0 | %100 |
| 85 | M176A | X | 0 | 0 | 0 | %100 |
| 86 | M176A | Z | 0 | 0 | 0 | %100 |
| 87 | M177A | X | 0 | 0 | 0 | %100 |
| 88 | M177A | Z | 0 | 0 | 0 | %100 |
| 89 | M186A | X | -2.053 | -2.053 | 0 | %100 |
| 90 | M186A | Z | 1.185 | 1.185 | 0 | %100 |
| 91 | M187A | X | -.755 | -.755 | 0 | %100 |
| 92 | M187A | Z | .436 | .436 | 0 | %100 |
| 93 | M188A | X | -3.02 | -3.02 | 0 | %100 |
| 94 | M188A | Z | 1.744 | 1.744 | 0 | %100 |
| 95 | M189A | X | -.895 | -.895 | 0 | %100 |
| 96 | M189A | Z | .517 | .517 | 0 | %100 |
| 97 | M191 | X | -4.59 | -4.59 | 0 | %100 |
| 98 | M191 | Z | 2.65 | 2.65 | 0 | %100 |
| 99 | M192A | X | -1.161 | -1.161 | 0 | %100 |
| 100 | M192A | Z | .67 | .67 | 0 | %100 |
| 101 | M193 | X | -1.926 | -1.926 | 0 | %100 |
| 102 | M193 | Z | 1.112 | 1.112 | 0 | %100 |
| 103 | M194 | X | -1.926 | -1.926 | 0 | %100 |
| 104 | M194 | Z | 1.112 | 1.112 | 0 | %100 |
| 105 | M205 | X | -3.136 | -3.136 | 0 | %100 |
| 106 | M205 | Z | 1.811 | 1.811 | 0 | %100 |
| 107 | M208 | X | -.784 | -.784 | 0 | %100 |
| 108 | M208 | Z | .453 | .453 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | -3.161 | -3.161 | 0 | %100 |
| 2 | M64 | Z | 0 | 0 | 0 | %100 |
| 3 | M22 | X | -2.615 | -2.615 | 0 | %100 |
| 4 | M22 | Z | 0 | 0 | 0 | %100 |
| 5 | M23 | X | -2.615 | -2.615 | 0 | %100 |
| 6 | M23 | Z | 0 | 0 | 0 | %100 |
| 7 | M27A | X | 0 | 0 | 0 | %100 |
| 8 | M27A | Z | 0 | 0 | 0 | %100 |
| 9 | FACE2 | X | 0 | 0 | 0 | %100 |
| 10 | FACE2 | Z | 0 | 0 | 0 | %100 |
| 11 | M38 | X | 0 | 0 | 0 | %100 |
| 12 | M38 | Z | 0 | 0 | 0 | %100 |
| 13 | M49A | X | 0 | 0 | 0 | %100 |
| 14 | M49A | Z | 0 | 0 | 0 | %100 |
| 15 | MP1A | X | -3.598 | -3.598 | 0 | %100 |
| 16 | MP1A | Z | 0 | 0 | 0 | %100 |
| 17 | MP2A | X | -3.598 | -3.598 | 0 | %100 |
| 18 | MP2A | Z | 0 | 0 | 0 | %100 |
| 19 | MP3A | X | -3.598 | -3.598 | 0 | %100 |
| 20 | MP3A | Z | 0 | 0 | 0 | %100 |
| 21 | MP4A | X | -3.598 | -3.598 | 0 | %100 |
| 22 | MP4A | Z | 0 | 0 | 0 | %100 |
| 23 | MP5A | X | -3.598 | -3.598 | 0 | %100 |
| 24 | MP5A | Z | 0 | 0 | 0 | %100 |
| 25 | M96 | X | 0 | 0 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 26 | M96 | Z | 0 | 0 | 0 | %100 |
| 27 | M98 | X | -5.088 | -5.088 | 0 | %100 |
| 28 | M98 | Z | 0 | 0 | 0 | %100 |
| 29 | M105A | X | 0 | 0 | 0 | %100 |
| 30 | M105A | Z | 0 | 0 | 0 | %100 |
| 31 | M99 | X | -2.966 | -2.966 | 0 | %100 |
| 32 | M99 | Z | 0 | 0 | 0 | %100 |
| 33 | M100 | X | -2.966 | -2.966 | 0 | %100 |
| 34 | M100 | Z | 0 | 0 | 0 | %100 |
| 35 | M146 | X | -.741 | -.741 | 0 | %100 |
| 36 | M146 | Z | 0 | 0 | 0 | %100 |
| 37 | M192 | X | -.741 | -.741 | 0 | %100 |
| 38 | M192 | Z | 0 | 0 | 0 | %100 |
| 39 | OVP | X | -2.555 | -2.555 | 0 | %100 |
| 40 | OVP | Z | 0 | 0 | 0 | %100 |
| 41 | M135A | X | -2.905 | -2.905 | 0 | %100 |
| 42 | M135A | Z | 0 | 0 | 0 | %100 |
| 43 | M136A | X | -2.905 | -2.905 | 0 | %100 |
| 44 | M136A | Z | 0 | 0 | 0 | %100 |
| 45 | M147 | X | -2.435 | -2.435 | 0 | %100 |
| 46 | M147 | Z | 0 | 0 | 0 | %100 |
| 47 | MP1C | X | -3.598 | -3.598 | 0 | %100 |
| 48 | MP1C | Z | 0 | 0 | 0 | %100 |
| 49 | MP2C | X | -3.598 | -3.598 | 0 | %100 |
| 50 | MP2C | Z | 0 | 0 | 0 | %100 |
| 51 | MP3C | X | -3.598 | -3.598 | 0 | %100 |
| 52 | MP3C | Z | 0 | 0 | 0 | %100 |
| 53 | MP4C | X | -3.598 | -3.598 | 0 | %100 |
| 54 | MP4C | Z | 0 | 0 | 0 | %100 |
| 55 | MP5C | X | -3.598 | -3.598 | 0 | %100 |
| 56 | MP5C | Z | 0 | 0 | 0 | %100 |
| 57 | M153 | X | -2.905 | -2.905 | 0 | %100 |
| 58 | M153 | Z | 0 | 0 | 0 | %100 |
| 59 | M154 | X | -2.905 | -2.905 | 0 | %100 |
| 60 | M154 | Z | 0 | 0 | 0 | %100 |
| 61 | M165A | X | -2.435 | -2.435 | 0 | %100 |
| 62 | M165A | Z | 0 | 0 | 0 | %100 |
| 63 | MP1B | X | -3.598 | -3.598 | 0 | %100 |
| 64 | MP1B | Z | 0 | 0 | 0 | %100 |
| 65 | MP2B | X | -3.598 | -3.598 | 0 | %100 |
| 66 | MP2B | Z | 0 | 0 | 0 | %100 |
| 67 | MP3B | X | -3.598 | -3.598 | 0 | %100 |
| 68 | MP3B | Z | 0 | 0 | 0 | %100 |
| 69 | MP4B | X | -3.598 | -3.598 | 0 | %100 |
| 70 | MP4B | Z | 0 | 0 | 0 | %100 |
| 71 | MP5B | X | -3.598 | -3.598 | 0 | %100 |
| 72 | MP5B | Z | 0 | 0 | 0 | %100 |
| 73 | M169C | X | -.79 | -.79 | 0 | %100 |
| 74 | M169C | Z | 0 | 0 | 0 | %100 |
| 75 | M170C | X | -2.615 | -2.615 | 0 | %100 |
| 76 | M170C | Z | 0 | 0 | 0 | %100 |
| 77 | M171B | X | 0 | 0 | 0 | %100 |
| 78 | M171B | Z | 0 | 0 | 0 | %100 |
| 79 | M172A | X | -3.101 | -3.101 | 0 | %100 |
| 80 | M172A | Z | 0 | 0 | 0 | %100 |
| 81 | M174A | X | -5.724 | -5.724 | 0 | %100 |
| 82 | M174A | Z | 0 | 0 | 0 | %100 |
| 83 | M175A | X | -4.021 | -4.021 | 0 | %100 |
| 84 | M175A | Z | 0 | 0 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 85 | M176A | X | -0.741 | -0.741 | 0 | %100 |
| 86 | M176A | Z | 0 | 0 | 0 | %100 |
| 87 | M177A | X | -0.741 | -0.741 | 0 | %100 |
| 88 | M177A | Z | 0 | 0 | 0 | %100 |
| 89 | M186A | X | -0.79 | -0.79 | 0 | %100 |
| 90 | M186A | Z | 0 | 0 | 0 | %100 |
| 91 | M187A | X | 0 | 0 | 0 | %100 |
| 92 | M187A | Z | 0 | 0 | 0 | %100 |
| 93 | M188A | X | -2.615 | -2.615 | 0 | %100 |
| 94 | M188A | Z | 0 | 0 | 0 | %100 |
| 95 | M189A | X | -3.101 | -3.101 | 0 | %100 |
| 96 | M189A | Z | 0 | 0 | 0 | %100 |
| 97 | M191 | X | -5.724 | -5.724 | 0 | %100 |
| 98 | M191 | Z | 0 | 0 | 0 | %100 |
| 99 | M192A | X | -4.021 | -4.021 | 0 | %100 |
| 100 | M192A | Z | 0 | 0 | 0 | %100 |
| 101 | M193 | X | -0.741 | -0.741 | 0 | %100 |
| 102 | M193 | Z | 0 | 0 | 0 | %100 |
| 103 | M194 | X | -0.741 | -0.741 | 0 | %100 |
| 104 | M194 | Z | 0 | 0 | 0 | %100 |
| 105 | M205 | X | -2.716 | -2.716 | 0 | %100 |
| 106 | M205 | Z | 0 | 0 | 0 | %100 |
| 107 | M208 | X | -2.716 | -2.716 | 0 | %100 |
| 108 | M208 | Z | 0 | 0 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | -2.053 | -2.053 | 0 | %100 |
| 2 | M64 | Z | -1.185 | -1.185 | 0 | %100 |
| 3 | M22 | X | -0.755 | -0.755 | 0 | %100 |
| 4 | M22 | Z | -0.436 | -0.436 | 0 | %100 |
| 5 | M23 | X | -3.02 | -3.02 | 0 | %100 |
| 6 | M23 | Z | -1.744 | -1.744 | 0 | %100 |
| 7 | M27A | X | -0.895 | -0.895 | 0 | %100 |
| 8 | M27A | Z | -0.517 | -0.517 | 0 | %100 |
| 9 | FACE2 | X | -0.839 | -0.839 | 0 | %100 |
| 10 | FACE2 | Z | -0.484 | -0.484 | 0 | %100 |
| 11 | M38 | X | -0.839 | -0.839 | 0 | %100 |
| 12 | M38 | Z | -0.484 | -0.484 | 0 | %100 |
| 13 | M49A | X | -0.703 | -0.703 | 0 | %100 |
| 14 | M49A | Z | -0.406 | -0.406 | 0 | %100 |
| 15 | MP1A | X | -3.116 | -3.116 | 0 | %100 |
| 16 | MP1A | Z | -1.799 | -1.799 | 0 | %100 |
| 17 | MP2A | X | -3.116 | -3.116 | 0 | %100 |
| 18 | MP2A | Z | -1.799 | -1.799 | 0 | %100 |
| 19 | MP3A | X | -3.116 | -3.116 | 0 | %100 |
| 20 | MP3A | Z | -1.799 | -1.799 | 0 | %100 |
| 21 | MP4A | X | -3.116 | -3.116 | 0 | %100 |
| 22 | MP4A | Z | -1.799 | -1.799 | 0 | %100 |
| 23 | MP5A | X | -3.116 | -3.116 | 0 | %100 |
| 24 | MP5A | Z | -1.799 | -1.799 | 0 | %100 |
| 25 | M96 | X | -0.784 | -0.784 | 0 | %100 |
| 26 | M96 | Z | -0.453 | -0.453 | 0 | %100 |
| 27 | M98 | X | -4.59 | -4.59 | 0 | %100 |
| 28 | M98 | Z | -2.65 | -2.65 | 0 | %100 |
| 29 | M105A | X | -1.161 | -1.161 | 0 | %100 |
| 30 | M105A | Z | -0.67 | -0.67 | 0 | %100 |
| 31 | M99 | X | -1.926 | -1.926 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 32 | M99 | Z | -1.112 | -1.112 | 0 | %100 |
| 33 | M100 | X | -1.926 | -1.926 | 0 | %100 |
| 34 | M100 | Z | -1.112 | -1.112 | 0 | %100 |
| 35 | M146 | X | -1.926 | -1.926 | 0 | %100 |
| 36 | M146 | Z | -1.112 | -1.112 | 0 | %100 |
| 37 | M192 | X | 0 | 0 | 0 | %100 |
| 38 | M192 | Z | 0 | 0 | 0 | %100 |
| 39 | OVP | X | -2.213 | -2.213 | 0 | %100 |
| 40 | OVP | Z | -1.278 | -1.278 | 0 | %100 |
| 41 | M135A | X | -839 | -839 | 0 | %100 |
| 42 | M135A | Z | -484 | -484 | 0 | %100 |
| 43 | M136A | X | -839 | -839 | 0 | %100 |
| 44 | M136A | Z | -484 | -484 | 0 | %100 |
| 45 | M147 | X | -703 | -703 | 0 | %100 |
| 46 | M147 | Z | -406 | -406 | 0 | %100 |
| 47 | MP1C | X | -3.116 | -3.116 | 0 | %100 |
| 48 | MP1C | Z | -1.799 | -1.799 | 0 | %100 |
| 49 | MP2C | X | -3.116 | -3.116 | 0 | %100 |
| 50 | MP2C | Z | -1.799 | -1.799 | 0 | %100 |
| 51 | MP3C | X | -3.116 | -3.116 | 0 | %100 |
| 52 | MP3C | Z | -1.799 | -1.799 | 0 | %100 |
| 53 | MP4C | X | -3.116 | -3.116 | 0 | %100 |
| 54 | MP4C | Z | -1.799 | -1.799 | 0 | %100 |
| 55 | MP5C | X | -3.116 | -3.116 | 0 | %100 |
| 56 | MP5C | Z | -1.799 | -1.799 | 0 | %100 |
| 57 | M153 | X | -3.355 | -3.355 | 0 | %100 |
| 58 | M153 | Z | -1.937 | -1.937 | 0 | %100 |
| 59 | M154 | X | -3.355 | -3.355 | 0 | %100 |
| 60 | M154 | Z | -1.937 | -1.937 | 0 | %100 |
| 61 | M165A | X | -2.812 | -2.812 | 0 | %100 |
| 62 | M165A | Z | -1.623 | -1.623 | 0 | %100 |
| 63 | MP1B | X | -3.116 | -3.116 | 0 | %100 |
| 64 | MP1B | Z | -1.799 | -1.799 | 0 | %100 |
| 65 | MP2B | X | -3.116 | -3.116 | 0 | %100 |
| 66 | MP2B | Z | -1.799 | -1.799 | 0 | %100 |
| 67 | MP3B | X | -3.116 | -3.116 | 0 | %100 |
| 68 | MP3B | Z | -1.799 | -1.799 | 0 | %100 |
| 69 | MP4B | X | -3.116 | -3.116 | 0 | %100 |
| 70 | MP4B | Z | -1.799 | -1.799 | 0 | %100 |
| 71 | MP5B | X | -3.116 | -3.116 | 0 | %100 |
| 72 | MP5B | Z | -1.799 | -1.799 | 0 | %100 |
| 73 | M169C | X | -2.053 | -2.053 | 0 | %100 |
| 74 | M169C | Z | -1.185 | -1.185 | 0 | %100 |
| 75 | M170C | X | -3.02 | -3.02 | 0 | %100 |
| 76 | M170C | Z | -1.744 | -1.744 | 0 | %100 |
| 77 | M171B | X | -.755 | -.755 | 0 | %100 |
| 78 | M171B | Z | -.436 | -.436 | 0 | %100 |
| 79 | M172A | X | -.895 | -.895 | 0 | %100 |
| 80 | M172A | Z | -.517 | -.517 | 0 | %100 |
| 81 | M174A | X | -4.59 | -4.59 | 0 | %100 |
| 82 | M174A | Z | -2.65 | -2.65 | 0 | %100 |
| 83 | M175A | X | -1.161 | -1.161 | 0 | %100 |
| 84 | M175A | Z | -.67 | -.67 | 0 | %100 |
| 85 | M176A | X | -1.926 | -1.926 | 0 | %100 |
| 86 | M176A | Z | -1.112 | -1.112 | 0 | %100 |
| 87 | M177A | X | -1.926 | -1.926 | 0 | %100 |
| 88 | M177A | Z | -1.112 | -1.112 | 0 | %100 |
| 89 | M186A | X | 0 | 0 | 0 | %100 |
| 90 | M186A | Z | 0 | 0 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft,... | End Magnitude[lb/ft,... | Start Location[ft, %] | End Location[ft, %] |
|-----|--------------|-----------|---------------------------|-------------------------|-----------------------|---------------------|
| 91 | M187A | X | -0.755 | -0.755 | 0 | %100 |
| 92 | M187A | Z | -0.436 | -0.436 | 0 | %100 |
| 93 | M188A | X | -0.755 | -0.755 | 0 | %100 |
| 94 | M188A | Z | -0.436 | -0.436 | 0 | %100 |
| 95 | M189A | X | -3.581 | -3.581 | 0 | %100 |
| 96 | M189A | Z | -2.067 | -2.067 | 0 | %100 |
| 97 | M191 | X | -5.141 | -5.141 | 0 | %100 |
| 98 | M191 | Z | -2.968 | -2.968 | 0 | %100 |
| 99 | M192A | X | -4.643 | -4.643 | 0 | %100 |
| 100 | M192A | Z | -2.681 | -2.681 | 0 | %100 |
| 101 | M193 | X | 0 | 0 | 0 | %100 |
| 102 | M193 | Z | 0 | 0 | 0 | %100 |
| 103 | M194 | X | 0 | 0 | 0 | %100 |
| 104 | M194 | Z | 0 | 0 | 0 | %100 |
| 105 | M205 | X | -0.784 | -0.784 | 0 | %100 |
| 106 | M205 | Z | -0.453 | -0.453 | 0 | %100 |
| 107 | M208 | X | -3.136 | -3.136 | 0 | %100 |
| 108 | M208 | Z | -1.811 | -1.811 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft,... | End Magnitude[lb/ft,... | Start Location[ft, %] | End Location[ft, %] |
|----|--------------|-----------|---------------------------|-------------------------|-----------------------|---------------------|
| 1 | M64 | X | -0.395 | -0.395 | 0 | %100 |
| 2 | M64 | Z | -0.684 | -0.684 | 0 | %100 |
| 3 | M22 | X | 0 | 0 | 0 | %100 |
| 4 | M22 | Z | 0 | 0 | 0 | %100 |
| 5 | M23 | X | -1.308 | -1.308 | 0 | %100 |
| 6 | M23 | Z | -2.265 | -2.265 | 0 | %100 |
| 7 | M27A | X | -1.55 | -1.55 | 0 | %100 |
| 8 | M27A | Z | -2.685 | -2.685 | 0 | %100 |
| 9 | FACE2 | X | -1.453 | -1.453 | 0 | %100 |
| 10 | FACE2 | Z | -2.516 | -2.516 | 0 | %100 |
| 11 | M38 | X | -1.453 | -1.453 | 0 | %100 |
| 12 | M38 | Z | -2.516 | -2.516 | 0 | %100 |
| 13 | M49A | X | -1.218 | -1.218 | 0 | %100 |
| 14 | M49A | Z | -2.109 | -2.109 | 0 | %100 |
| 15 | MP1A | X | -1.799 | -1.799 | 0 | %100 |
| 16 | MP1A | Z | -3.116 | -3.116 | 0 | %100 |
| 17 | MP2A | X | -1.799 | -1.799 | 0 | %100 |
| 18 | MP2A | Z | -3.116 | -3.116 | 0 | %100 |
| 19 | MP3A | X | -1.799 | -1.799 | 0 | %100 |
| 20 | MP3A | Z | -3.116 | -3.116 | 0 | %100 |
| 21 | MP4A | X | -1.799 | -1.799 | 0 | %100 |
| 22 | MP4A | Z | -3.116 | -3.116 | 0 | %100 |
| 23 | MP5A | X | -1.799 | -1.799 | 0 | %100 |
| 24 | MP5A | Z | -3.116 | -3.116 | 0 | %100 |
| 25 | M96 | X | -1.358 | -1.358 | 0 | %100 |
| 26 | M96 | Z | -2.352 | -2.352 | 0 | %100 |
| 27 | M98 | X | -2.862 | -2.862 | 0 | %100 |
| 28 | M98 | Z | -4.957 | -4.957 | 0 | %100 |
| 29 | M105A | X | -2.011 | -2.011 | 0 | %100 |
| 30 | M105A | Z | -3.482 | -3.482 | 0 | %100 |
| 31 | M99 | X | -0.371 | -0.371 | 0 | %100 |
| 32 | M99 | Z | -0.642 | -0.642 | 0 | %100 |
| 33 | M100 | X | -0.371 | -0.371 | 0 | %100 |
| 34 | M100 | Z | -0.642 | -0.642 | 0 | %100 |
| 35 | M146 | X | -1.483 | -1.483 | 0 | %100 |
| 36 | M146 | Z | -2.569 | -2.569 | 0 | %100 |
| 37 | M192 | X | -0.371 | -0.371 | 0 | %100 |



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

| Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 38 | M192 | Z | -.642 | -.642 | 0 %100 |
| 39 | OVP | X | -1.278 | -1.278 | 0 %100 |
| 40 | OVP | Z | -2.213 | -2.213 | 0 %100 |
| 41 | M135A | X | 0 | 0 | 0 %100 |
| 42 | M135A | Z | 0 | 0 | 0 %100 |
| 43 | M136A | X | 0 | 0 | 0 %100 |
| 44 | M136A | Z | 0 | 0 | 0 %100 |
| 45 | M147 | X | 0 | 0 | 0 %100 |
| 46 | M147 | Z | 0 | 0 | 0 %100 |
| 47 | MP1C | X | -1.799 | -1.799 | 0 %100 |
| 48 | MP1C | Z | -3.116 | -3.116 | 0 %100 |
| 49 | MP2C | X | -1.799 | -1.799 | 0 %100 |
| 50 | MP2C | Z | -3.116 | -3.116 | 0 %100 |
| 51 | MP3C | X | -1.799 | -1.799 | 0 %100 |
| 52 | MP3C | Z | -3.116 | -3.116 | 0 %100 |
| 53 | MP4C | X | -1.799 | -1.799 | 0 %100 |
| 54 | MP4C | Z | -3.116 | -3.116 | 0 %100 |
| 55 | MP5C | X | -1.799 | -1.799 | 0 %100 |
| 56 | MP5C | Z | -3.116 | -3.116 | 0 %100 |
| 57 | M153 | X | -1.453 | -1.453 | 0 %100 |
| 58 | M153 | Z | -2.516 | -2.516 | 0 %100 |
| 59 | M154 | X | -1.453 | -1.453 | 0 %100 |
| 60 | M154 | Z | -2.516 | -2.516 | 0 %100 |
| 61 | M165A | X | -1.218 | -1.218 | 0 %100 |
| 62 | M165A | Z | -2.109 | -2.109 | 0 %100 |
| 63 | MP1B | X | -1.799 | -1.799 | 0 %100 |
| 64 | MP1B | Z | -3.116 | -3.116 | 0 %100 |
| 65 | MP2B | X | -1.799 | -1.799 | 0 %100 |
| 66 | MP2B | Z | -3.116 | -3.116 | 0 %100 |
| 67 | MP3B | X | -1.799 | -1.799 | 0 %100 |
| 68 | MP3B | Z | -3.116 | -3.116 | 0 %100 |
| 69 | MP4B | X | -1.799 | -1.799 | 0 %100 |
| 70 | MP4B | Z | -3.116 | -3.116 | 0 %100 |
| 71 | MP5B | X | -1.799 | -1.799 | 0 %100 |
| 72 | MP5B | Z | -3.116 | -3.116 | 0 %100 |
| 73 | M169C | X | -1.58 | -1.58 | 0 %100 |
| 74 | M169C | Z | -2.737 | -2.737 | 0 %100 |
| 75 | M170C | X | -1.308 | -1.308 | 0 %100 |
| 76 | M170C | Z | -2.265 | -2.265 | 0 %100 |
| 77 | M171B | X | -1.308 | -1.308 | 0 %100 |
| 78 | M171B | Z | -2.265 | -2.265 | 0 %100 |
| 79 | M172A | X | 0 | 0 | 0 %100 |
| 80 | M172A | Z | 0 | 0 | 0 %100 |
| 81 | M174A | X | -2.544 | -2.544 | 0 %100 |
| 82 | M174A | Z | -4.406 | -4.406 | 0 %100 |
| 83 | M175A | X | 0 | 0 | 0 %100 |
| 84 | M175A | Z | 0 | 0 | 0 %100 |
| 85 | M176A | X | -1.483 | -1.483 | 0 %100 |
| 86 | M176A | Z | -2.569 | -2.569 | 0 %100 |
| 87 | M177A | X | -1.483 | -1.483 | 0 %100 |
| 88 | M177A | Z | -2.569 | -2.569 | 0 %100 |
| 89 | M186A | X | -.395 | -.395 | 0 %100 |
| 90 | M186A | Z | -.684 | -.684 | 0 %100 |
| 91 | M187A | X | -1.308 | -1.308 | 0 %100 |
| 92 | M187A | Z | -2.265 | -2.265 | 0 %100 |
| 93 | M188A | X | 0 | 0 | 0 %100 |
| 94 | M188A | Z | 0 | 0 | 0 %100 |
| 95 | M189A | X | -1.55 | -1.55 | 0 %100 |
| 96 | M189A | Z | -2.685 | -2.685 | 0 %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 97 | M191 | X | -2.862 | -2.862 | 0 | %100 |
| 98 | M191 | Z | -4.957 | -4.957 | 0 | %100 |
| 99 | M192A | X | -2.011 | -2.011 | 0 | %100 |
| 100 | M192A | Z | -3.482 | -3.482 | 0 | %100 |
| 101 | M193 | X | -.371 | -.371 | 0 | %100 |
| 102 | M193 | Z | -.642 | -.642 | 0 | %100 |
| 103 | M194 | X | -.371 | -.371 | 0 | %100 |
| 104 | M194 | Z | -.642 | -.642 | 0 | %100 |
| 105 | M205 | X | 0 | 0 | 0 | %100 |
| 106 | M205 | Z | 0 | 0 | 0 | %100 |
| 107 | M208 | X | -1.358 | -1.358 | 0 | %100 |
| 108 | M208 | Z | -2.352 | -2.352 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | 0 | 0 | 0 | %100 |
| 2 | M64 | Z | 0 | 0 | 0 | %100 |
| 3 | M22 | X | 0 | 0 | 0 | %100 |
| 4 | M22 | Z | -.192 | -.192 | 0 | %100 |
| 5 | M23 | X | 0 | 0 | 0 | %100 |
| 6 | M23 | Z | -.192 | -.192 | 0 | %100 |
| 7 | M27A | X | 0 | 0 | 0 | %100 |
| 8 | M27A | Z | -1.094 | -1.094 | 0 | %100 |
| 9 | FACE2 | X | 0 | 0 | 0 | %100 |
| 10 | FACE2 | Z | -.819 | -.819 | 0 | %100 |
| 11 | M38 | X | 0 | 0 | 0 | %100 |
| 12 | M38 | Z | -.819 | -.819 | 0 | %100 |
| 13 | M49A | X | 0 | 0 | 0 | %100 |
| 14 | M49A | Z | -.599 | -.599 | 0 | %100 |
| 15 | MP1A | X | 0 | 0 | 0 | %100 |
| 16 | MP1A | Z | -.726 | -.726 | 0 | %100 |
| 17 | MP2A | X | 0 | 0 | 0 | %100 |
| 18 | MP2A | Z | -.726 | -.726 | 0 | %100 |
| 19 | MP3A | X | 0 | 0 | 0 | %100 |
| 20 | MP3A | Z | -.726 | -.726 | 0 | %100 |
| 21 | MP4A | X | 0 | 0 | 0 | %100 |
| 22 | MP4A | Z | -.726 | -.726 | 0 | %100 |
| 23 | MP5A | X | 0 | 0 | 0 | %100 |
| 24 | MP5A | Z | -.726 | -.726 | 0 | %100 |
| 25 | M96 | X | 0 | 0 | 0 | %100 |
| 26 | M96 | Z | -.893 | -.893 | 0 | %100 |
| 27 | M98 | X | 0 | 0 | 0 | %100 |
| 28 | M98 | Z | -1.687 | -1.687 | 0 | %100 |
| 29 | M105A | X | 0 | 0 | 0 | %100 |
| 30 | M105A | Z | -1.367 | -1.367 | 0 | %100 |
| 31 | M99 | X | 0 | 0 | 0 | %100 |
| 32 | M99 | Z | 0 | 0 | 0 | %100 |
| 33 | M100 | X | 0 | 0 | 0 | %100 |
| 34 | M100 | Z | 0 | 0 | 0 | %100 |
| 35 | M146 | X | 0 | 0 | 0 | %100 |
| 36 | M146 | Z | -.536 | -.536 | 0 | %100 |
| 37 | M192 | X | 0 | 0 | 0 | %100 |
| 38 | M192 | Z | -.536 | -.536 | 0 | %100 |
| 39 | OVP | X | 0 | 0 | 0 | %100 |
| 40 | OVP | Z | -.502 | -.502 | 0 | %100 |
| 41 | M135A | X | 0 | 0 | 0 | %100 |
| 42 | M135A | Z | -.205 | -.205 | 0 | %100 |
| 43 | M136A | X | 0 | 0 | 0 | %100 |



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

| Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 44 | M136A | Z | - .205 | - .205 | 0 %100 |
| 45 | M147 | X | 0 | 0 | 0 %100 |
| 46 | M147 | Z | - .15 | - .15 | 0 %100 |
| 47 | MP1C | X | 0 | 0 | 0 %100 |
| 48 | MP1C | Z | - .726 | - .726 | 0 %100 |
| 49 | MP2C | X | 0 | 0 | 0 %100 |
| 50 | MP2C | Z | - .726 | - .726 | 0 %100 |
| 51 | MP3C | X | 0 | 0 | 0 %100 |
| 52 | MP3C | Z | - .726 | - .726 | 0 %100 |
| 53 | MP4C | X | 0 | 0 | 0 %100 |
| 54 | MP4C | Z | - .726 | - .726 | 0 %100 |
| 55 | MP5C | X | 0 | 0 | 0 %100 |
| 56 | MP5C | Z | - .726 | - .726 | 0 %100 |
| 57 | M153 | X | 0 | 0 | 0 %100 |
| 58 | M153 | Z | - .205 | - .205 | 0 %100 |
| 59 | M154 | X | 0 | 0 | 0 %100 |
| 60 | M154 | Z | - .205 | - .205 | 0 %100 |
| 61 | M165A | X | 0 | 0 | 0 %100 |
| 62 | M165A | Z | - .15 | - .15 | 0 %100 |
| 63 | MP1B | X | 0 | 0 | 0 %100 |
| 64 | MP1B | Z | - .726 | - .726 | 0 %100 |
| 65 | MP2B | X | 0 | 0 | 0 %100 |
| 66 | MP2B | Z | - .726 | - .726 | 0 %100 |
| 67 | MP3B | X | 0 | 0 | 0 %100 |
| 68 | MP3B | Z | - .726 | - .726 | 0 %100 |
| 69 | MP4B | X | 0 | 0 | 0 %100 |
| 70 | MP4B | Z | - .726 | - .726 | 0 %100 |
| 71 | MP5B | X | 0 | 0 | 0 %100 |
| 72 | MP5B | Z | - .726 | - .726 | 0 %100 |
| 73 | M169C | X | 0 | 0 | 0 %100 |
| 74 | M169C | Z | - .554 | - .554 | 0 %100 |
| 75 | M170C | X | 0 | 0 | 0 %100 |
| 76 | M170C | Z | - .192 | - .192 | 0 %100 |
| 77 | M171B | X | 0 | 0 | 0 %100 |
| 78 | M171B | Z | - .766 | - .766 | 0 %100 |
| 79 | M172A | X | 0 | 0 | 0 %100 |
| 80 | M172A | Z | - .273 | - .273 | 0 %100 |
| 81 | M174A | X | 0 | 0 | 0 %100 |
| 82 | M174A | Z | - 1.368 | - 1.368 | 0 %100 |
| 83 | M175A | X | 0 | 0 | 0 %100 |
| 84 | M175A | Z | - .342 | - .342 | 0 %100 |
| 85 | M176A | X | 0 | 0 | 0 %100 |
| 86 | M176A | Z | - .536 | - .536 | 0 %100 |
| 87 | M177A | X | 0 | 0 | 0 %100 |
| 88 | M177A | Z | - .536 | - .536 | 0 %100 |
| 89 | M186A | X | 0 | 0 | 0 %100 |
| 90 | M186A | Z | - .554 | - .554 | 0 %100 |
| 91 | M187A | X | 0 | 0 | 0 %100 |
| 92 | M187A | Z | - .766 | - .766 | 0 %100 |
| 93 | M188A | X | 0 | 0 | 0 %100 |
| 94 | M188A | Z | - .192 | - .192 | 0 %100 |
| 95 | M189A | X | 0 | 0 | 0 %100 |
| 96 | M189A | Z | - .273 | - .273 | 0 %100 |
| 97 | M191 | X | 0 | 0 | 0 %100 |
| 98 | M191 | Z | - 1.368 | - 1.368 | 0 %100 |
| 99 | M192A | X | 0 | 0 | 0 %100 |
| 100 | M192A | Z | - .342 | - .342 | 0 %100 |
| 101 | M193 | X | 0 | 0 | 0 %100 |
| 102 | M193 | Z | - .536 | - .536 | 0 %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 103 | M194 | X | 0 | 0 | 0 | %100 |
| 104 | M194 | Z | -.536 | -.536 | 0 | %100 |
| 105 | M205 | X | 0 | 0 | 0 | %100 |
| 106 | M205 | Z | -.223 | -.223 | 0 | %100 |
| 107 | M208 | X | 0 | 0 | 0 | %100 |
| 108 | M208 | Z | -.223 | -.223 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | .092 | .092 | 0 | %100 |
| 2 | M64 | Z | -.16 | -.16 | 0 | %100 |
| 3 | M22 | X | .287 | .287 | 0 | %100 |
| 4 | M22 | Z | -.498 | -.498 | 0 | %100 |
| 5 | M23 | X | 0 | 0 | 0 | %100 |
| 6 | M23 | Z | 0 | 0 | 0 | %100 |
| 7 | M27A | X | .41 | .41 | 0 | %100 |
| 8 | M27A | Z | -.71 | -.71 | 0 | %100 |
| 9 | FACE2 | X | .307 | .307 | 0 | %100 |
| 10 | FACE2 | Z | -.532 | -.532 | 0 | %100 |
| 11 | M38 | X | .307 | .307 | 0 | %100 |
| 12 | M38 | Z | -.532 | -.532 | 0 | %100 |
| 13 | M49A | X | .225 | .225 | 0 | %100 |
| 14 | M49A | Z | -.389 | -.389 | 0 | %100 |
| 15 | MP1A | X | .363 | .363 | 0 | %100 |
| 16 | MP1A | Z | -.628 | -.628 | 0 | %100 |
| 17 | MP2A | X | .363 | .363 | 0 | %100 |
| 18 | MP2A | Z | -.628 | -.628 | 0 | %100 |
| 19 | MP3A | X | .363 | .363 | 0 | %100 |
| 20 | MP3A | Z | -.628 | -.628 | 0 | %100 |
| 21 | MP4A | X | .363 | .363 | 0 | %100 |
| 22 | MP4A | Z | -.628 | -.628 | 0 | %100 |
| 23 | MP5A | X | .363 | .363 | 0 | %100 |
| 24 | MP5A | Z | -.628 | -.628 | 0 | %100 |
| 25 | M96 | X | .335 | .335 | 0 | %100 |
| 26 | M96 | Z | -.58 | -.58 | 0 | %100 |
| 27 | M98 | X | .79 | .79 | 0 | %100 |
| 28 | M98 | Z | -1.369 | -1.369 | 0 | %100 |
| 29 | M105A | X | .513 | .513 | 0 | %100 |
| 30 | M105A | Z | -.888 | -.888 | 0 | %100 |
| 31 | M99 | X | .089 | .089 | 0 | %100 |
| 32 | M99 | Z | -.155 | -.155 | 0 | %100 |
| 33 | M100 | X | .089 | .089 | 0 | %100 |
| 34 | M100 | Z | -.155 | -.155 | 0 | %100 |
| 35 | M146 | X | .089 | .089 | 0 | %100 |
| 36 | M146 | Z | -.155 | -.155 | 0 | %100 |
| 37 | M192 | X | .358 | .358 | 0 | %100 |
| 38 | M192 | Z | -.619 | -.619 | 0 | %100 |
| 39 | OVP | X | .251 | .251 | 0 | %100 |
| 40 | OVP | Z | -.435 | -.435 | 0 | %100 |
| 41 | M135A | X | .307 | .307 | 0 | %100 |
| 42 | M135A | Z | -.532 | -.532 | 0 | %100 |
| 43 | M136A | X | .307 | .307 | 0 | %100 |
| 44 | M136A | Z | -.532 | -.532 | 0 | %100 |
| 45 | M147 | X | .225 | .225 | 0 | %100 |
| 46 | M147 | Z | -.389 | -.389 | 0 | %100 |
| 47 | MP1C | X | .363 | .363 | 0 | %100 |
| 48 | MP1C | Z | -.628 | -.628 | 0 | %100 |
| 49 | MP2C | X | .363 | .363 | 0 | %100 |



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

| Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 50 | MP2C | Z | -.628 | -.628 | 0 %100 |
| 51 | MP3C | X | .363 | .363 | 0 %100 |
| 52 | MP3C | Z | -.628 | -.628 | 0 %100 |
| 53 | MP4C | X | .363 | .363 | 0 %100 |
| 54 | MP4C | Z | -.628 | -.628 | 0 %100 |
| 55 | MP5C | X | .363 | .363 | 0 %100 |
| 56 | MP5C | Z | -.628 | -.628 | 0 %100 |
| 57 | M153 | X | 0 | 0 | 0 %100 |
| 58 | M153 | Z | 0 | 0 | 0 %100 |
| 59 | M154 | X | 0 | 0 | 0 %100 |
| 60 | M154 | Z | 0 | 0 | 0 %100 |
| 61 | M165A | X | 0 | 0 | 0 %100 |
| 62 | M165A | Z | 0 | 0 | 0 %100 |
| 63 | MP1B | X | .363 | .363 | 0 %100 |
| 64 | MP1B | Z | -.628 | -.628 | 0 %100 |
| 65 | MP2B | X | .363 | .363 | 0 %100 |
| 66 | MP2B | Z | -.628 | -.628 | 0 %100 |
| 67 | MP3B | X | .363 | .363 | 0 %100 |
| 68 | MP3B | Z | -.628 | -.628 | 0 %100 |
| 69 | MP4B | X | .363 | .363 | 0 %100 |
| 70 | MP4B | Z | -.628 | -.628 | 0 %100 |
| 71 | MP5B | X | .363 | .363 | 0 %100 |
| 72 | MP5B | Z | -.628 | -.628 | 0 %100 |
| 73 | M169C | X | .092 | .092 | 0 %100 |
| 74 | M169C | Z | -.16 | -.16 | 0 %100 |
| 75 | M170C | X | 0 | 0 | 0 %100 |
| 76 | M170C | Z | 0 | 0 | 0 %100 |
| 77 | M171B | X | .287 | .287 | 0 %100 |
| 78 | M171B | Z | -.498 | -.498 | 0 %100 |
| 79 | M172A | X | .41 | .41 | 0 %100 |
| 80 | M172A | Z | -.71 | -.71 | 0 %100 |
| 81 | M174A | X | .79 | .79 | 0 %100 |
| 82 | M174A | Z | -1.369 | -1.369 | 0 %100 |
| 83 | M175A | X | .513 | .513 | 0 %100 |
| 84 | M175A | Z | -.888 | -.888 | 0 %100 |
| 85 | M176A | X | .089 | .089 | 0 %100 |
| 86 | M176A | Z | -.155 | -.155 | 0 %100 |
| 87 | M177A | X | .089 | .089 | 0 %100 |
| 88 | M177A | Z | -.155 | -.155 | 0 %100 |
| 89 | M186A | X | .369 | .369 | 0 %100 |
| 90 | M186A | Z | -.64 | -.64 | 0 %100 |
| 91 | M187A | X | .287 | .287 | 0 %100 |
| 92 | M187A | Z | -.498 | -.498 | 0 %100 |
| 93 | M188A | X | .287 | .287 | 0 %100 |
| 94 | M188A | Z | -.498 | -.498 | 0 %100 |
| 95 | M189A | X | 0 | 0 | 0 %100 |
| 96 | M189A | Z | 0 | 0 | 0 %100 |
| 97 | M191 | X | .631 | .631 | 0 %100 |
| 98 | M191 | Z | -1.093 | -1.093 | 0 %100 |
| 99 | M192A | X | 0 | 0 | 0 %100 |
| 100 | M192A | Z | 0 | 0 | 0 %100 |
| 101 | M193 | X | .358 | .358 | 0 %100 |
| 102 | M193 | Z | -.619 | -.619 | 0 %100 |
| 103 | M194 | X | .358 | .358 | 0 %100 |
| 104 | M194 | Z | -.619 | -.619 | 0 %100 |
| 105 | M205 | X | .335 | .335 | 0 %100 |
| 106 | M205 | Z | -.58 | -.58 | 0 %100 |
| 107 | M208 | X | 0 | 0 | 0 %100 |
| 108 | M208 | Z | 0 | 0 | 0 %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | .48 | .48 | 0 | %100 |
| 2 | M64 | Z | -.277 | -.277 | 0 | %100 |
| 3 | M22 | X | .663 | .663 | 0 | %100 |
| 4 | M22 | Z | -.383 | -.383 | 0 | %100 |
| 5 | M23 | X | .166 | .166 | 0 | %100 |
| 6 | M23 | Z | -.096 | -.096 | 0 | %100 |
| 7 | M27A | X | .237 | .237 | 0 | %100 |
| 8 | M27A | Z | -.137 | -.137 | 0 | %100 |
| 9 | FACE2 | X | .177 | .177 | 0 | %100 |
| 10 | FACE2 | Z | -.102 | -.102 | 0 | %100 |
| 11 | M38 | X | .177 | .177 | 0 | %100 |
| 12 | M38 | Z | -.102 | -.102 | 0 | %100 |
| 13 | M49A | X | .13 | .13 | 0 | %100 |
| 14 | M49A | Z | -.075 | -.075 | 0 | %100 |
| 15 | MP1A | X | .628 | .628 | 0 | %100 |
| 16 | MP1A | Z | -.363 | -.363 | 0 | %100 |
| 17 | MP2A | X | .628 | .628 | 0 | %100 |
| 18 | MP2A | Z | -.363 | -.363 | 0 | %100 |
| 19 | MP3A | X | .628 | .628 | 0 | %100 |
| 20 | MP3A | Z | -.363 | -.363 | 0 | %100 |
| 21 | MP4A | X | .628 | .628 | 0 | %100 |
| 22 | MP4A | Z | -.363 | -.363 | 0 | %100 |
| 23 | MP5A | X | .628 | .628 | 0 | %100 |
| 24 | MP5A | Z | -.363 | -.363 | 0 | %100 |
| 25 | M96 | X | .193 | .193 | 0 | %100 |
| 26 | M96 | Z | -.112 | -.112 | 0 | %100 |
| 27 | M98 | X | 1.185 | 1.185 | 0 | %100 |
| 28 | M98 | Z | -.684 | -.684 | 0 | %100 |
| 29 | M105A | X | .296 | .296 | 0 | %100 |
| 30 | M105A | Z | -.171 | -.171 | 0 | %100 |
| 31 | M99 | X | .465 | .465 | 0 | %100 |
| 32 | M99 | Z | -.268 | -.268 | 0 | %100 |
| 33 | M100 | X | .465 | .465 | 0 | %100 |
| 34 | M100 | Z | -.268 | -.268 | 0 | %100 |
| 35 | M146 | X | 0 | 0 | 0 | %100 |
| 36 | M146 | Z | 0 | 0 | 0 | %100 |
| 37 | M192 | X | .465 | .465 | 0 | %100 |
| 38 | M192 | Z | -.268 | -.268 | 0 | %100 |
| 39 | OVP | X | .435 | .435 | 0 | %100 |
| 40 | OVP | Z | -.251 | -.251 | 0 | %100 |
| 41 | M135A | X | .71 | .71 | 0 | %100 |
| 42 | M135A | Z | -.41 | -.41 | 0 | %100 |
| 43 | M136A | X | .71 | .71 | 0 | %100 |
| 44 | M136A | Z | -.41 | -.41 | 0 | %100 |
| 45 | M147 | X | .519 | .519 | 0 | %100 |
| 46 | M147 | Z | -.3 | -.3 | 0 | %100 |
| 47 | MP1C | X | .628 | .628 | 0 | %100 |
| 48 | MP1C | Z | -.363 | -.363 | 0 | %100 |
| 49 | MP2C | X | .628 | .628 | 0 | %100 |
| 50 | MP2C | Z | -.363 | -.363 | 0 | %100 |
| 51 | MP3C | X | .628 | .628 | 0 | %100 |
| 52 | MP3C | Z | -.363 | -.363 | 0 | %100 |
| 53 | MP4C | X | .628 | .628 | 0 | %100 |
| 54 | MP4C | Z | -.363 | -.363 | 0 | %100 |
| 55 | MP5C | X | .628 | .628 | 0 | %100 |
| 56 | MP5C | Z | -.363 | -.363 | 0 | %100 |
| 57 | M153 | X | .177 | .177 | 0 | %100 |
| 58 | M153 | Z | -.102 | -.102 | 0 | %100 |
| 59 | M154 | X | .177 | .177 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 60 | M154 | Z | -.102 | -.102 | 0 | %100 |
| 61 | M165A | X | .13 | .13 | 0 | %100 |
| 62 | M165A | Z | -.075 | -.075 | 0 | %100 |
| 63 | MP1B | X | .628 | .628 | 0 | %100 |
| 64 | MP1B | Z | -.363 | -.363 | 0 | %100 |
| 65 | MP2B | X | .628 | .628 | 0 | %100 |
| 66 | MP2B | Z | -.363 | -.363 | 0 | %100 |
| 67 | MP3B | X | .628 | .628 | 0 | %100 |
| 68 | MP3B | Z | -.363 | -.363 | 0 | %100 |
| 69 | MP4B | X | .628 | .628 | 0 | %100 |
| 70 | MP4B | Z | -.363 | -.363 | 0 | %100 |
| 71 | MP5B | X | .628 | .628 | 0 | %100 |
| 72 | MP5B | Z | -.363 | -.363 | 0 | %100 |
| 73 | M169C | X | 0 | 0 | 0 | %100 |
| 74 | M169C | Z | 0 | 0 | 0 | %100 |
| 75 | M170C | X | .166 | .166 | 0 | %100 |
| 76 | M170C | Z | -.096 | -.096 | 0 | %100 |
| 77 | M171B | X | .166 | .166 | 0 | %100 |
| 78 | M171B | Z | -.096 | -.096 | 0 | %100 |
| 79 | M172A | X | .947 | .947 | 0 | %100 |
| 80 | M172A | Z | -.547 | -.547 | 0 | %100 |
| 81 | M174A | X | 1.461 | 1.461 | 0 | %100 |
| 82 | M174A | Z | -.843 | -.843 | 0 | %100 |
| 83 | M175A | X | 1.184 | 1.184 | 0 | %100 |
| 84 | M175A | Z | -.684 | -.684 | 0 | %100 |
| 85 | M176A | X | 0 | 0 | 0 | %100 |
| 86 | M176A | Z | 0 | 0 | 0 | %100 |
| 87 | M177A | X | 0 | 0 | 0 | %100 |
| 88 | M177A | Z | 0 | 0 | 0 | %100 |
| 89 | M186A | X | .48 | .48 | 0 | %100 |
| 90 | M186A | Z | -.277 | -.277 | 0 | %100 |
| 91 | M187A | X | .166 | .166 | 0 | %100 |
| 92 | M187A | Z | -.096 | -.096 | 0 | %100 |
| 93 | M188A | X | .663 | .663 | 0 | %100 |
| 94 | M188A | Z | -.383 | -.383 | 0 | %100 |
| 95 | M189A | X | .237 | .237 | 0 | %100 |
| 96 | M189A | Z | -.137 | -.137 | 0 | %100 |
| 97 | M191 | X | 1.185 | 1.185 | 0 | %100 |
| 98 | M191 | Z | -.684 | -.684 | 0 | %100 |
| 99 | M192A | X | .296 | .296 | 0 | %100 |
| 100 | M192A | Z | -.171 | -.171 | 0 | %100 |
| 101 | M193 | X | .465 | .465 | 0 | %100 |
| 102 | M193 | Z | -.268 | -.268 | 0 | %100 |
| 103 | M194 | X | .465 | .465 | 0 | %100 |
| 104 | M194 | Z | -.268 | -.268 | 0 | %100 |
| 105 | M205 | X | .774 | .774 | 0 | %100 |
| 106 | M205 | Z | -.447 | -.447 | 0 | %100 |
| 107 | M208 | X | .193 | .193 | 0 | %100 |
| 108 | M208 | Z | -.112 | -.112 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|---|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | .739 | .739 | 0 | %100 |
| 2 | M64 | Z | 0 | 0 | 0 | %100 |
| 3 | M22 | X | .575 | .575 | 0 | %100 |
| 4 | M22 | Z | 0 | 0 | 0 | %100 |
| 5 | M23 | X | .575 | .575 | 0 | %100 |
| 6 | M23 | Z | 0 | 0 | 0 | %100 |



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

| Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 7 | M27A | X | 0 | 0 | %100 |
| 8 | M27A | Z | 0 | 0 | %100 |
| 9 | FACE2 | X | 0 | 0 | %100 |
| 10 | FACE2 | Z | 0 | 0 | %100 |
| 11 | M38 | X | 0 | 0 | %100 |
| 12 | M38 | Z | 0 | 0 | %100 |
| 13 | M49A | X | 0 | 0 | %100 |
| 14 | M49A | Z | 0 | 0 | %100 |
| 15 | MP1A | X | .726 | .726 | 0 |
| 16 | MP1A | Z | 0 | 0 | %100 |
| 17 | MP2A | X | .726 | .726 | 0 |
| 18 | MP2A | Z | 0 | 0 | %100 |
| 19 | MP3A | X | .726 | .726 | 0 |
| 20 | MP3A | Z | 0 | 0 | %100 |
| 21 | MP4A | X | .726 | .726 | 0 |
| 22 | MP4A | Z | 0 | 0 | %100 |
| 23 | MP5A | X | .726 | .726 | 0 |
| 24 | MP5A | Z | 0 | 0 | %100 |
| 25 | M96 | X | 0 | 0 | %100 |
| 26 | M96 | Z | 0 | 0 | %100 |
| 27 | M98 | X | 1.262 | 1.262 | 0 |
| 28 | M98 | Z | 0 | 0 | %100 |
| 29 | M105A | X | 0 | 0 | %100 |
| 30 | M105A | Z | 0 | 0 | %100 |
| 31 | M99 | X | .715 | .715 | 0 |
| 32 | M99 | Z | 0 | 0 | %100 |
| 33 | M100 | X | .715 | .715 | 0 |
| 34 | M100 | Z | 0 | 0 | %100 |
| 35 | M146 | X | .179 | .179 | 0 |
| 36 | M146 | Z | 0 | 0 | %100 |
| 37 | M192 | X | .179 | .179 | 0 |
| 38 | M192 | Z | 0 | 0 | %100 |
| 39 | OVP | X | .502 | .502 | 0 |
| 40 | OVP | Z | 0 | 0 | %100 |
| 41 | M135A | X | .615 | .615 | 0 |
| 42 | M135A | Z | 0 | 0 | %100 |
| 43 | M136A | X | .615 | .615 | 0 |
| 44 | M136A | Z | 0 | 0 | %100 |
| 45 | M147 | X | .45 | .45 | 0 |
| 46 | M147 | Z | 0 | 0 | %100 |
| 47 | MP1C | X | .726 | .726 | 0 |
| 48 | MP1C | Z | 0 | 0 | %100 |
| 49 | MP2C | X | .726 | .726 | 0 |
| 50 | MP2C | Z | 0 | 0 | %100 |
| 51 | MP3C | X | .726 | .726 | 0 |
| 52 | MP3C | Z | 0 | 0 | %100 |
| 53 | MP4C | X | .726 | .726 | 0 |
| 54 | MP4C | Z | 0 | 0 | %100 |
| 55 | MP5C | X | .726 | .726 | 0 |
| 56 | MP5C | Z | 0 | 0 | %100 |
| 57 | M153 | X | .615 | .615 | 0 |
| 58 | M153 | Z | 0 | 0 | %100 |
| 59 | M154 | X | .615 | .615 | 0 |
| 60 | M154 | Z | 0 | 0 | %100 |
| 61 | M165A | X | .45 | .45 | 0 |
| 62 | M165A | Z | 0 | 0 | %100 |
| 63 | MP1B | X | .726 | .726 | 0 |
| 64 | MP1B | Z | 0 | 0 | %100 |
| 65 | MP2B | X | .726 | .726 | 0 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 66 | MP2B | Z | 0 | 0 | 0 | %100 |
| 67 | MP3B | X | .726 | .726 | 0 | %100 |
| 68 | MP3B | Z | 0 | 0 | 0 | %100 |
| 69 | MP4B | X | .726 | .726 | 0 | %100 |
| 70 | MP4B | Z | 0 | 0 | 0 | %100 |
| 71 | MP5B | X | .726 | .726 | 0 | %100 |
| 72 | MP5B | Z | 0 | 0 | 0 | %100 |
| 73 | M169C | X | .185 | .185 | 0 | %100 |
| 74 | M169C | Z | 0 | 0 | 0 | %100 |
| 75 | M170C | X | .575 | .575 | 0 | %100 |
| 76 | M170C | Z | 0 | 0 | 0 | %100 |
| 77 | M171B | X | 0 | 0 | 0 | %100 |
| 78 | M171B | Z | 0 | 0 | 0 | %100 |
| 79 | M172A | X | .82 | .82 | 0 | %100 |
| 80 | M172A | Z | 0 | 0 | 0 | %100 |
| 81 | M174A | X | 1.58 | 1.58 | 0 | %100 |
| 82 | M174A | Z | 0 | 0 | 0 | %100 |
| 83 | M175A | X | 1.025 | 1.025 | 0 | %100 |
| 84 | M175A | Z | 0 | 0 | 0 | %100 |
| 85 | M176A | X | .179 | .179 | 0 | %100 |
| 86 | M176A | Z | 0 | 0 | 0 | %100 |
| 87 | M177A | X | .179 | .179 | 0 | %100 |
| 88 | M177A | Z | 0 | 0 | 0 | %100 |
| 89 | M186A | X | .185 | .185 | 0 | %100 |
| 90 | M186A | Z | 0 | 0 | 0 | %100 |
| 91 | M187A | X | 0 | 0 | 0 | %100 |
| 92 | M187A | Z | 0 | 0 | 0 | %100 |
| 93 | M188A | X | .575 | .575 | 0 | %100 |
| 94 | M188A | Z | 0 | 0 | 0 | %100 |
| 95 | M189A | X | .82 | .82 | 0 | %100 |
| 96 | M189A | Z | 0 | 0 | 0 | %100 |
| 97 | M191 | X | 1.58 | 1.58 | 0 | %100 |
| 98 | M191 | Z | 0 | 0 | 0 | %100 |
| 99 | M192A | X | 1.025 | 1.025 | 0 | %100 |
| 100 | M192A | Z | 0 | 0 | 0 | %100 |
| 101 | M193 | X | .179 | .179 | 0 | %100 |
| 102 | M193 | Z | 0 | 0 | 0 | %100 |
| 103 | M194 | X | .179 | .179 | 0 | %100 |
| 104 | M194 | Z | 0 | 0 | 0 | %100 |
| 105 | M205 | X | .67 | .67 | 0 | %100 |
| 106 | M205 | Z | 0 | 0 | 0 | %100 |
| 107 | M208 | X | .67 | .67 | 0 | %100 |
| 108 | M208 | Z | 0 | 0 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | .48 | .48 | 0 | %100 |
| 2 | M64 | Z | .277 | .277 | 0 | %100 |
| 3 | M22 | X | .166 | .166 | 0 | %100 |
| 4 | M22 | Z | .096 | .096 | 0 | %100 |
| 5 | M23 | X | .663 | .663 | 0 | %100 |
| 6 | M23 | Z | .383 | .383 | 0 | %100 |
| 7 | M27A | X | .237 | .237 | 0 | %100 |
| 8 | M27A | Z | .137 | .137 | 0 | %100 |
| 9 | FACE2 | X | .177 | .177 | 0 | %100 |
| 10 | FACE2 | Z | .102 | .102 | 0 | %100 |
| 11 | M38 | X | .177 | .177 | 0 | %100 |
| 12 | M38 | Z | .102 | .102 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 13 | M49A | X | .13 | .13 | 0 | %100 |
| 14 | M49A | Z | .075 | .075 | 0 | %100 |
| 15 | MP1A | X | .628 | .628 | 0 | %100 |
| 16 | MP1A | Z | .363 | .363 | 0 | %100 |
| 17 | MP2A | X | .628 | .628 | 0 | %100 |
| 18 | MP2A | Z | .363 | .363 | 0 | %100 |
| 19 | MP3A | X | .628 | .628 | 0 | %100 |
| 20 | MP3A | Z | .363 | .363 | 0 | %100 |
| 21 | MP4A | X | .628 | .628 | 0 | %100 |
| 22 | MP4A | Z | .363 | .363 | 0 | %100 |
| 23 | MP5A | X | .628 | .628 | 0 | %100 |
| 24 | MP5A | Z | .363 | .363 | 0 | %100 |
| 25 | M96 | X | .193 | .193 | 0 | %100 |
| 26 | M96 | Z | .112 | .112 | 0 | %100 |
| 27 | M98 | X | 1.185 | 1.185 | 0 | %100 |
| 28 | M98 | Z | .684 | .684 | 0 | %100 |
| 29 | M105A | X | .296 | .296 | 0 | %100 |
| 30 | M105A | Z | .171 | .171 | 0 | %100 |
| 31 | M99 | X | .465 | .465 | 0 | %100 |
| 32 | M99 | Z | .268 | .268 | 0 | %100 |
| 33 | M100 | X | .465 | .465 | 0 | %100 |
| 34 | M100 | Z | .268 | .268 | 0 | %100 |
| 35 | M146 | X | .465 | .465 | 0 | %100 |
| 36 | M146 | Z | .268 | .268 | 0 | %100 |
| 37 | M192 | X | 0 | 0 | 0 | %100 |
| 38 | M192 | Z | 0 | 0 | 0 | %100 |
| 39 | OVP | X | .435 | .435 | 0 | %100 |
| 40 | OVP | Z | .251 | .251 | 0 | %100 |
| 41 | M135A | X | .177 | .177 | 0 | %100 |
| 42 | M135A | Z | .102 | .102 | 0 | %100 |
| 43 | M136A | X | .177 | .177 | 0 | %100 |
| 44 | M136A | Z | .102 | .102 | 0 | %100 |
| 45 | M147 | X | .13 | .13 | 0 | %100 |
| 46 | M147 | Z | .075 | .075 | 0 | %100 |
| 47 | MP1C | X | .628 | .628 | 0 | %100 |
| 48 | MP1C | Z | .363 | .363 | 0 | %100 |
| 49 | MP2C | X | .628 | .628 | 0 | %100 |
| 50 | MP2C | Z | .363 | .363 | 0 | %100 |
| 51 | MP3C | X | .628 | .628 | 0 | %100 |
| 52 | MP3C | Z | .363 | .363 | 0 | %100 |
| 53 | MP4C | X | .628 | .628 | 0 | %100 |
| 54 | MP4C | Z | .363 | .363 | 0 | %100 |
| 55 | MP5C | X | .628 | .628 | 0 | %100 |
| 56 | MP5C | Z | .363 | .363 | 0 | %100 |
| 57 | M153 | X | .71 | .71 | 0 | %100 |
| 58 | M153 | Z | .41 | .41 | 0 | %100 |
| 59 | M154 | X | .71 | .71 | 0 | %100 |
| 60 | M154 | Z | .41 | .41 | 0 | %100 |
| 61 | M165A | X | .519 | .519 | 0 | %100 |
| 62 | M165A | Z | .3 | .3 | 0 | %100 |
| 63 | MP1B | X | .628 | .628 | 0 | %100 |
| 64 | MP1B | Z | .363 | .363 | 0 | %100 |
| 65 | MP2B | X | .628 | .628 | 0 | %100 |
| 66 | MP2B | Z | .363 | .363 | 0 | %100 |
| 67 | MP3B | X | .628 | .628 | 0 | %100 |
| 68 | MP3B | Z | .363 | .363 | 0 | %100 |
| 69 | MP4B | X | .628 | .628 | 0 | %100 |
| 70 | MP4B | Z | .363 | .363 | 0 | %100 |
| 71 | MP5B | X | .628 | .628 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 72 | MP5B | Z | .363 | .363 | 0 | %100 |
| 73 | M169C | X | .48 | .48 | 0 | %100 |
| 74 | M169C | Z | .277 | .277 | 0 | %100 |
| 75 | M170C | X | .663 | .663 | 0 | %100 |
| 76 | M170C | Z | .383 | .383 | 0 | %100 |
| 77 | M171B | X | .166 | .166 | 0 | %100 |
| 78 | M171B | Z | .096 | .096 | 0 | %100 |
| 79 | M172A | X | .237 | .237 | 0 | %100 |
| 80 | M172A | Z | .137 | .137 | 0 | %100 |
| 81 | M174A | X | 1.185 | 1.185 | 0 | %100 |
| 82 | M174A | Z | .684 | .684 | 0 | %100 |
| 83 | M175A | X | .296 | .296 | 0 | %100 |
| 84 | M175A | Z | .171 | .171 | 0 | %100 |
| 85 | M176A | X | .465 | .465 | 0 | %100 |
| 86 | M176A | Z | .268 | .268 | 0 | %100 |
| 87 | M177A | X | .465 | .465 | 0 | %100 |
| 88 | M177A | Z | .268 | .268 | 0 | %100 |
| 89 | M186A | X | 0 | 0 | 0 | %100 |
| 90 | M186A | Z | 0 | 0 | 0 | %100 |
| 91 | M187A | X | .166 | .166 | 0 | %100 |
| 92 | M187A | Z | .096 | .096 | 0 | %100 |
| 93 | M188A | X | .166 | .166 | 0 | %100 |
| 94 | M188A | Z | .096 | .096 | 0 | %100 |
| 95 | M189A | X | .947 | .947 | 0 | %100 |
| 96 | M189A | Z | .547 | .547 | 0 | %100 |
| 97 | M191 | X | 1.461 | 1.461 | 0 | %100 |
| 98 | M191 | Z | .843 | .843 | 0 | %100 |
| 99 | M192A | X | 1.184 | 1.184 | 0 | %100 |
| 100 | M192A | Z | .684 | .684 | 0 | %100 |
| 101 | M193 | X | 0 | 0 | 0 | %100 |
| 102 | M193 | Z | 0 | 0 | 0 | %100 |
| 103 | M194 | X | 0 | 0 | 0 | %100 |
| 104 | M194 | Z | 0 | 0 | 0 | %100 |
| 105 | M205 | X | .193 | .193 | 0 | %100 |
| 106 | M205 | Z | .112 | .112 | 0 | %100 |
| 107 | M208 | X | .774 | .774 | 0 | %100 |
| 108 | M208 | Z | .447 | .447 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | .092 | .092 | 0 | %100 |
| 2 | M64 | Z | .16 | .16 | 0 | %100 |
| 3 | M22 | X | 0 | 0 | 0 | %100 |
| 4 | M22 | Z | 0 | 0 | 0 | %100 |
| 5 | M23 | X | .287 | .287 | 0 | %100 |
| 6 | M23 | Z | .498 | .498 | 0 | %100 |
| 7 | M27A | X | .41 | .41 | 0 | %100 |
| 8 | M27A | Z | .71 | .71 | 0 | %100 |
| 9 | FACE2 | X | .307 | .307 | 0 | %100 |
| 10 | FACE2 | Z | .532 | .532 | 0 | %100 |
| 11 | M38 | X | .307 | .307 | 0 | %100 |
| 12 | M38 | Z | .532 | .532 | 0 | %100 |
| 13 | M49A | X | .225 | .225 | 0 | %100 |
| 14 | M49A | Z | .389 | .389 | 0 | %100 |
| 15 | MP1A | X | .363 | .363 | 0 | %100 |
| 16 | MP1A | Z | .628 | .628 | 0 | %100 |
| 17 | MP2A | X | .363 | .363 | 0 | %100 |
| 18 | MP2A | Z | .628 | .628 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 19 | MP3A | X | .363 | .363 | 0 | %100 |
| 20 | MP3A | Z | .628 | .628 | 0 | %100 |
| 21 | MP4A | X | .363 | .363 | 0 | %100 |
| 22 | MP4A | Z | .628 | .628 | 0 | %100 |
| 23 | MP5A | X | .363 | .363 | 0 | %100 |
| 24 | MP5A | Z | .628 | .628 | 0 | %100 |
| 25 | M96 | X | .335 | .335 | 0 | %100 |
| 26 | M96 | Z | .58 | .58 | 0 | %100 |
| 27 | M98 | X | .79 | .79 | 0 | %100 |
| 28 | M98 | Z | 1.369 | 1.369 | 0 | %100 |
| 29 | M105A | X | .513 | .513 | 0 | %100 |
| 30 | M105A | Z | .888 | .888 | 0 | %100 |
| 31 | M99 | X | .089 | .089 | 0 | %100 |
| 32 | M99 | Z | .155 | .155 | 0 | %100 |
| 33 | M100 | X | .089 | .089 | 0 | %100 |
| 34 | M100 | Z | .155 | .155 | 0 | %100 |
| 35 | M146 | X | .358 | .358 | 0 | %100 |
| 36 | M146 | Z | .619 | .619 | 0 | %100 |
| 37 | M192 | X | .089 | .089 | 0 | %100 |
| 38 | M192 | Z | .155 | .155 | 0 | %100 |
| 39 | OVP | X | .251 | .251 | 0 | %100 |
| 40 | OVP | Z | .435 | .435 | 0 | %100 |
| 41 | M135A | X | 0 | 0 | 0 | %100 |
| 42 | M135A | Z | 0 | 0 | 0 | %100 |
| 43 | M136A | X | 0 | 0 | 0 | %100 |
| 44 | M136A | Z | 0 | 0 | 0 | %100 |
| 45 | M147 | X | 0 | 0 | 0 | %100 |
| 46 | M147 | Z | 0 | 0 | 0 | %100 |
| 47 | MP1C | X | .363 | .363 | 0 | %100 |
| 48 | MP1C | Z | .628 | .628 | 0 | %100 |
| 49 | MP2C | X | .363 | .363 | 0 | %100 |
| 50 | MP2C | Z | .628 | .628 | 0 | %100 |
| 51 | MP3C | X | .363 | .363 | 0 | %100 |
| 52 | MP3C | Z | .628 | .628 | 0 | %100 |
| 53 | MP4C | X | .363 | .363 | 0 | %100 |
| 54 | MP4C | Z | .628 | .628 | 0 | %100 |
| 55 | MP5C | X | .363 | .363 | 0 | %100 |
| 56 | MP5C | Z | .628 | .628 | 0 | %100 |
| 57 | M153 | X | .307 | .307 | 0 | %100 |
| 58 | M153 | Z | .532 | .532 | 0 | %100 |
| 59 | M154 | X | .307 | .307 | 0 | %100 |
| 60 | M154 | Z | .532 | .532 | 0 | %100 |
| 61 | M165A | X | .225 | .225 | 0 | %100 |
| 62 | M165A | Z | .389 | .389 | 0 | %100 |
| 63 | MP1B | X | .363 | .363 | 0 | %100 |
| 64 | MP1B | Z | .628 | .628 | 0 | %100 |
| 65 | MP2B | X | .363 | .363 | 0 | %100 |
| 66 | MP2B | Z | .628 | .628 | 0 | %100 |
| 67 | MP3B | X | .363 | .363 | 0 | %100 |
| 68 | MP3B | Z | .628 | .628 | 0 | %100 |
| 69 | MP4B | X | .363 | .363 | 0 | %100 |
| 70 | MP4B | Z | .628 | .628 | 0 | %100 |
| 71 | MP5B | X | .363 | .363 | 0 | %100 |
| 72 | MP5B | Z | .628 | .628 | 0 | %100 |
| 73 | M169C | X | .369 | .369 | 0 | %100 |
| 74 | M169C | Z | .64 | .64 | 0 | %100 |
| 75 | M170C | X | .287 | .287 | 0 | %100 |
| 76 | M170C | Z | .498 | .498 | 0 | %100 |
| 77 | M171B | X | .287 | .287 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft,... | End Magnitude[lb/ft,... | Start Location[ft,%] | End Location[ft,%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 78 | M171B | Z | .498 | .498 | 0 | %100 |
| 79 | M172A | X | 0 | 0 | 0 | %100 |
| 80 | M172A | Z | 0 | 0 | 0 | %100 |
| 81 | M174A | X | .631 | .631 | 0 | %100 |
| 82 | M174A | Z | 1.093 | 1.093 | 0 | %100 |
| 83 | M175A | X | 0 | 0 | 0 | %100 |
| 84 | M175A | Z | 0 | 0 | 0 | %100 |
| 85 | M176A | X | .358 | .358 | 0 | %100 |
| 86 | M176A | Z | .619 | .619 | 0 | %100 |
| 87 | M177A | X | .358 | .358 | 0 | %100 |
| 88 | M177A | Z | .619 | .619 | 0 | %100 |
| 89 | M186A | X | .092 | .092 | 0 | %100 |
| 90 | M186A | Z | .16 | .16 | 0 | %100 |
| 91 | M187A | X | .287 | .287 | 0 | %100 |
| 92 | M187A | Z | .498 | .498 | 0 | %100 |
| 93 | M188A | X | 0 | 0 | 0 | %100 |
| 94 | M188A | Z | 0 | 0 | 0 | %100 |
| 95 | M189A | X | .41 | .41 | 0 | %100 |
| 96 | M189A | Z | .71 | .71 | 0 | %100 |
| 97 | M191 | X | .79 | .79 | 0 | %100 |
| 98 | M191 | Z | 1.369 | 1.369 | 0 | %100 |
| 99 | M192A | X | .513 | .513 | 0 | %100 |
| 100 | M192A | Z | .888 | .888 | 0 | %100 |
| 101 | M193 | X | .089 | .089 | 0 | %100 |
| 102 | M193 | Z | .155 | .155 | 0 | %100 |
| 103 | M194 | X | .089 | .089 | 0 | %100 |
| 104 | M194 | Z | .155 | .155 | 0 | %100 |
| 105 | M205 | X | 0 | 0 | 0 | %100 |
| 106 | M205 | Z | 0 | 0 | 0 | %100 |
| 107 | M208 | X | .335 | .335 | 0 | %100 |
| 108 | M208 | Z | .58 | .58 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft,... | End Magnitude[lb/ft,... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | 0 | 0 | 0 | %100 |
| 2 | M64 | Z | 0 | 0 | 0 | %100 |
| 3 | M22 | X | 0 | 0 | 0 | %100 |
| 4 | M22 | Z | .192 | .192 | 0 | %100 |
| 5 | M23 | X | 0 | 0 | 0 | %100 |
| 6 | M23 | Z | .192 | .192 | 0 | %100 |
| 7 | M27A | X | 0 | 0 | 0 | %100 |
| 8 | M27A | Z | 1.094 | 1.094 | 0 | %100 |
| 9 | FACE2 | X | 0 | 0 | 0 | %100 |
| 10 | FACE2 | Z | .819 | .819 | 0 | %100 |
| 11 | M38 | X | 0 | 0 | 0 | %100 |
| 12 | M38 | Z | .819 | .819 | 0 | %100 |
| 13 | M49A | X | 0 | 0 | 0 | %100 |
| 14 | M49A | Z | .599 | .599 | 0 | %100 |
| 15 | MP1A | X | 0 | 0 | 0 | %100 |
| 16 | MP1A | Z | .726 | .726 | 0 | %100 |
| 17 | MP2A | X | 0 | 0 | 0 | %100 |
| 18 | MP2A | Z | .726 | .726 | 0 | %100 |
| 19 | MP3A | X | 0 | 0 | 0 | %100 |
| 20 | MP3A | Z | .726 | .726 | 0 | %100 |
| 21 | MP4A | X | 0 | 0 | 0 | %100 |
| 22 | MP4A | Z | .726 | .726 | 0 | %100 |
| 23 | MP5A | X | 0 | 0 | 0 | %100 |
| 24 | MP5A | Z | .726 | .726 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 25 | M96 | X | 0 | 0 | 0 | %100 |
| 26 | M96 | Z | .893 | .893 | 0 | %100 |
| 27 | M98 | X | 0 | 0 | 0 | %100 |
| 28 | M98 | Z | 1.687 | 1.687 | 0 | %100 |
| 29 | M105A | X | 0 | 0 | 0 | %100 |
| 30 | M105A | Z | 1.367 | 1.367 | 0 | %100 |
| 31 | M99 | X | 0 | 0 | 0 | %100 |
| 32 | M99 | Z | 0 | 0 | 0 | %100 |
| 33 | M100 | X | 0 | 0 | 0 | %100 |
| 34 | M100 | Z | 0 | 0 | 0 | %100 |
| 35 | M146 | X | 0 | 0 | 0 | %100 |
| 36 | M146 | Z | .536 | .536 | 0 | %100 |
| 37 | M192 | X | 0 | 0 | 0 | %100 |
| 38 | M192 | Z | .536 | .536 | 0 | %100 |
| 39 | OVP | X | 0 | 0 | 0 | %100 |
| 40 | OVP | Z | .502 | .502 | 0 | %100 |
| 41 | M135A | X | 0 | 0 | 0 | %100 |
| 42 | M135A | Z | .205 | .205 | 0 | %100 |
| 43 | M136A | X | 0 | 0 | 0 | %100 |
| 44 | M136A | Z | .205 | .205 | 0 | %100 |
| 45 | M147 | X | 0 | 0 | 0 | %100 |
| 46 | M147 | Z | .15 | .15 | 0 | %100 |
| 47 | MP1C | X | 0 | 0 | 0 | %100 |
| 48 | MP1C | Z | .726 | .726 | 0 | %100 |
| 49 | MP2C | X | 0 | 0 | 0 | %100 |
| 50 | MP2C | Z | .726 | .726 | 0 | %100 |
| 51 | MP3C | X | 0 | 0 | 0 | %100 |
| 52 | MP3C | Z | .726 | .726 | 0 | %100 |
| 53 | MP4C | X | 0 | 0 | 0 | %100 |
| 54 | MP4C | Z | .726 | .726 | 0 | %100 |
| 55 | MP5C | X | 0 | 0 | 0 | %100 |
| 56 | MP5C | Z | .726 | .726 | 0 | %100 |
| 57 | M153 | X | 0 | 0 | 0 | %100 |
| 58 | M153 | Z | .205 | .205 | 0 | %100 |
| 59 | M154 | X | 0 | 0 | 0 | %100 |
| 60 | M154 | Z | .205 | .205 | 0 | %100 |
| 61 | M165A | X | 0 | 0 | 0 | %100 |
| 62 | M165A | Z | .15 | .15 | 0 | %100 |
| 63 | MP1B | X | 0 | 0 | 0 | %100 |
| 64 | MP1B | Z | .726 | .726 | 0 | %100 |
| 65 | MP2B | X | 0 | 0 | 0 | %100 |
| 66 | MP2B | Z | .726 | .726 | 0 | %100 |
| 67 | MP3B | X | 0 | 0 | 0 | %100 |
| 68 | MP3B | Z | .726 | .726 | 0 | %100 |
| 69 | MP4B | X | 0 | 0 | 0 | %100 |
| 70 | MP4B | Z | .726 | .726 | 0 | %100 |
| 71 | MP5B | X | 0 | 0 | 0 | %100 |
| 72 | MP5B | Z | .726 | .726 | 0 | %100 |
| 73 | M169C | X | 0 | 0 | 0 | %100 |
| 74 | M169C | Z | .554 | .554 | 0 | %100 |
| 75 | M170C | X | 0 | 0 | 0 | %100 |
| 76 | M170C | Z | .192 | .192 | 0 | %100 |
| 77 | M171B | X | 0 | 0 | 0 | %100 |
| 78 | M171B | Z | .766 | .766 | 0 | %100 |
| 79 | M172A | X | 0 | 0 | 0 | %100 |
| 80 | M172A | Z | .273 | .273 | 0 | %100 |
| 81 | M174A | X | 0 | 0 | 0 | %100 |
| 82 | M174A | Z | 1.368 | 1.368 | 0 | %100 |
| 83 | M175A | X | 0 | 0 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 84 | M175A | Z | .342 | .342 | 0 | %100 |
| 85 | M176A | X | 0 | 0 | 0 | %100 |
| 86 | M176A | Z | .536 | .536 | 0 | %100 |
| 87 | M177A | X | 0 | 0 | 0 | %100 |
| 88 | M177A | Z | .536 | .536 | 0 | %100 |
| 89 | M186A | X | 0 | 0 | 0 | %100 |
| 90 | M186A | Z | .554 | .554 | 0 | %100 |
| 91 | M187A | X | 0 | 0 | 0 | %100 |
| 92 | M187A | Z | .766 | .766 | 0 | %100 |
| 93 | M188A | X | 0 | 0 | 0 | %100 |
| 94 | M188A | Z | .192 | .192 | 0 | %100 |
| 95 | M189A | X | 0 | 0 | 0 | %100 |
| 96 | M189A | Z | .273 | .273 | 0 | %100 |
| 97 | M191 | X | 0 | 0 | 0 | %100 |
| 98 | M191 | Z | 1.368 | 1.368 | 0 | %100 |
| 99 | M192A | X | 0 | 0 | 0 | %100 |
| 100 | M192A | Z | .342 | .342 | 0 | %100 |
| 101 | M193 | X | 0 | 0 | 0 | %100 |
| 102 | M193 | Z | .536 | .536 | 0 | %100 |
| 103 | M194 | X | 0 | 0 | 0 | %100 |
| 104 | M194 | Z | .536 | .536 | 0 | %100 |
| 105 | M205 | X | 0 | 0 | 0 | %100 |
| 106 | M205 | Z | .223 | .223 | 0 | %100 |
| 107 | M208 | X | 0 | 0 | 0 | %100 |
| 108 | M208 | Z | .223 | .223 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | -.092 | -.092 | 0 | %100 |
| 2 | M64 | Z | .16 | .16 | 0 | %100 |
| 3 | M22 | X | -.287 | -.287 | 0 | %100 |
| 4 | M22 | Z | .498 | .498 | 0 | %100 |
| 5 | M23 | X | 0 | 0 | 0 | %100 |
| 6 | M23 | Z | 0 | 0 | 0 | %100 |
| 7 | M27A | X | -.41 | -.41 | 0 | %100 |
| 8 | M27A | Z | .71 | .71 | 0 | %100 |
| 9 | FACE2 | X | -.307 | -.307 | 0 | %100 |
| 10 | FACE2 | Z | .532 | .532 | 0 | %100 |
| 11 | M38 | X | -.307 | -.307 | 0 | %100 |
| 12 | M38 | Z | .532 | .532 | 0 | %100 |
| 13 | M49A | X | -.225 | -.225 | 0 | %100 |
| 14 | M49A | Z | .389 | .389 | 0 | %100 |
| 15 | MP1A | X | -.363 | -.363 | 0 | %100 |
| 16 | MP1A | Z | .628 | .628 | 0 | %100 |
| 17 | MP2A | X | -.363 | -.363 | 0 | %100 |
| 18 | MP2A | Z | .628 | .628 | 0 | %100 |
| 19 | MP3A | X | -.363 | -.363 | 0 | %100 |
| 20 | MP3A | Z | .628 | .628 | 0 | %100 |
| 21 | MP4A | X | -.363 | -.363 | 0 | %100 |
| 22 | MP4A | Z | .628 | .628 | 0 | %100 |
| 23 | MP5A | X | -.363 | -.363 | 0 | %100 |
| 24 | MP5A | Z | .628 | .628 | 0 | %100 |
| 25 | M96 | X | -.335 | -.335 | 0 | %100 |
| 26 | M96 | Z | .58 | .58 | 0 | %100 |
| 27 | M98 | X | -.79 | -.79 | 0 | %100 |
| 28 | M98 | Z | 1.369 | 1.369 | 0 | %100 |
| 29 | M105A | X | -.513 | -.513 | 0 | %100 |
| 30 | M105A | Z | .888 | .888 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 31 | M99 | X | -.089 | -.089 | 0 | %100 |
| 32 | M99 | Z | .155 | .155 | 0 | %100 |
| 33 | M100 | X | -.089 | -.089 | 0 | %100 |
| 34 | M100 | Z | .155 | .155 | 0 | %100 |
| 35 | M146 | X | -.089 | -.089 | 0 | %100 |
| 36 | M146 | Z | .155 | .155 | 0 | %100 |
| 37 | M192 | X | -.358 | -.358 | 0 | %100 |
| 38 | M192 | Z | .619 | .619 | 0 | %100 |
| 39 | OVP | X | -.251 | -.251 | 0 | %100 |
| 40 | OVP | Z | .435 | .435 | 0 | %100 |
| 41 | M135A | X | -.307 | -.307 | 0 | %100 |
| 42 | M135A | Z | .532 | .532 | 0 | %100 |
| 43 | M136A | X | -.307 | -.307 | 0 | %100 |
| 44 | M136A | Z | .532 | .532 | 0 | %100 |
| 45 | M147 | X | -.225 | -.225 | 0 | %100 |
| 46 | M147 | Z | .389 | .389 | 0 | %100 |
| 47 | MP1C | X | -.363 | -.363 | 0 | %100 |
| 48 | MP1C | Z | .628 | .628 | 0 | %100 |
| 49 | MP2C | X | -.363 | -.363 | 0 | %100 |
| 50 | MP2C | Z | .628 | .628 | 0 | %100 |
| 51 | MP3C | X | -.363 | -.363 | 0 | %100 |
| 52 | MP3C | Z | .628 | .628 | 0 | %100 |
| 53 | MP4C | X | -.363 | -.363 | 0 | %100 |
| 54 | MP4C | Z | .628 | .628 | 0 | %100 |
| 55 | MP5C | X | -.363 | -.363 | 0 | %100 |
| 56 | MP5C | Z | .628 | .628 | 0 | %100 |
| 57 | M153 | X | 0 | 0 | 0 | %100 |
| 58 | M153 | Z | 0 | 0 | 0 | %100 |
| 59 | M154 | X | 0 | 0 | 0 | %100 |
| 60 | M154 | Z | 0 | 0 | 0 | %100 |
| 61 | M165A | X | 0 | 0 | 0 | %100 |
| 62 | M165A | Z | 0 | 0 | 0 | %100 |
| 63 | MP1B | X | -.363 | -.363 | 0 | %100 |
| 64 | MP1B | Z | .628 | .628 | 0 | %100 |
| 65 | MP2B | X | -.363 | -.363 | 0 | %100 |
| 66 | MP2B | Z | .628 | .628 | 0 | %100 |
| 67 | MP3B | X | -.363 | -.363 | 0 | %100 |
| 68 | MP3B | Z | .628 | .628 | 0 | %100 |
| 69 | MP4B | X | -.363 | -.363 | 0 | %100 |
| 70 | MP4B | Z | .628 | .628 | 0 | %100 |
| 71 | MP5B | X | -.363 | -.363 | 0 | %100 |
| 72 | MP5B | Z | .628 | .628 | 0 | %100 |
| 73 | M169C | X | -.092 | -.092 | 0 | %100 |
| 74 | M169C | Z | .16 | .16 | 0 | %100 |
| 75 | M170C | X | 0 | 0 | 0 | %100 |
| 76 | M170C | Z | 0 | 0 | 0 | %100 |
| 77 | M171B | X | -.287 | -.287 | 0 | %100 |
| 78 | M171B | Z | .498 | .498 | 0 | %100 |
| 79 | M172A | X | -.41 | -.41 | 0 | %100 |
| 80 | M172A | Z | .71 | .71 | 0 | %100 |
| 81 | M174A | X | -.79 | -.79 | 0 | %100 |
| 82 | M174A | Z | 1.369 | 1.369 | 0 | %100 |
| 83 | M175A | X | -.513 | -.513 | 0 | %100 |
| 84 | M175A | Z | .888 | .888 | 0 | %100 |
| 85 | M176A | X | -.089 | -.089 | 0 | %100 |
| 86 | M176A | Z | .155 | .155 | 0 | %100 |
| 87 | M177A | X | -.089 | -.089 | 0 | %100 |
| 88 | M177A | Z | .155 | .155 | 0 | %100 |
| 89 | M186A | X | -.369 | -.369 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 90 | M186A | Z | .64 | .64 | 0 | %100 |
| 91 | M187A | X | -.287 | -.287 | 0 | %100 |
| 92 | M187A | Z | .498 | .498 | 0 | %100 |
| 93 | M188A | X | -.287 | -.287 | 0 | %100 |
| 94 | M188A | Z | .498 | .498 | 0 | %100 |
| 95 | M189A | X | 0 | 0 | 0 | %100 |
| 96 | M189A | Z | 0 | 0 | 0 | %100 |
| 97 | M191 | X | -.631 | -.631 | 0 | %100 |
| 98 | M191 | Z | 1.093 | 1.093 | 0 | %100 |
| 99 | M192A | X | 0 | 0 | 0 | %100 |
| 100 | M192A | Z | 0 | 0 | 0 | %100 |
| 101 | M193 | X | -.358 | -.358 | 0 | %100 |
| 102 | M193 | Z | .619 | .619 | 0 | %100 |
| 103 | M194 | X | -.358 | -.358 | 0 | %100 |
| 104 | M194 | Z | .619 | .619 | 0 | %100 |
| 105 | M205 | X | -.335 | -.335 | 0 | %100 |
| 106 | M205 | Z | .58 | .58 | 0 | %100 |
| 107 | M208 | X | 0 | 0 | 0 | %100 |
| 108 | M208 | Z | 0 | 0 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | -.48 | -.48 | 0 | %100 |
| 2 | M64 | Z | .277 | .277 | 0 | %100 |
| 3 | M22 | X | -.663 | -.663 | 0 | %100 |
| 4 | M22 | Z | .383 | .383 | 0 | %100 |
| 5 | M23 | X | -.166 | -.166 | 0 | %100 |
| 6 | M23 | Z | .096 | .096 | 0 | %100 |
| 7 | M27A | X | -.237 | -.237 | 0 | %100 |
| 8 | M27A | Z | .137 | .137 | 0 | %100 |
| 9 | FACE2 | X | -.177 | -.177 | 0 | %100 |
| 10 | FACE2 | Z | .102 | .102 | 0 | %100 |
| 11 | M38 | X | -.177 | -.177 | 0 | %100 |
| 12 | M38 | Z | .102 | .102 | 0 | %100 |
| 13 | M49A | X | -.13 | -.13 | 0 | %100 |
| 14 | M49A | Z | .075 | .075 | 0 | %100 |
| 15 | MP1A | X | -.628 | -.628 | 0 | %100 |
| 16 | MP1A | Z | .363 | .363 | 0 | %100 |
| 17 | MP2A | X | -.628 | -.628 | 0 | %100 |
| 18 | MP2A | Z | .363 | .363 | 0 | %100 |
| 19 | MP3A | X | -.628 | -.628 | 0 | %100 |
| 20 | MP3A | Z | .363 | .363 | 0 | %100 |
| 21 | MP4A | X | -.628 | -.628 | 0 | %100 |
| 22 | MP4A | Z | .363 | .363 | 0 | %100 |
| 23 | MP5A | X | -.628 | -.628 | 0 | %100 |
| 24 | MP5A | Z | .363 | .363 | 0 | %100 |
| 25 | M96 | X | -.193 | -.193 | 0 | %100 |
| 26 | M96 | Z | .112 | .112 | 0 | %100 |
| 27 | M98 | X | -1.185 | -1.185 | 0 | %100 |
| 28 | M98 | Z | .684 | .684 | 0 | %100 |
| 29 | M105A | X | -.296 | -.296 | 0 | %100 |
| 30 | M105A | Z | .171 | .171 | 0 | %100 |
| 31 | M99 | X | -.465 | -.465 | 0 | %100 |
| 32 | M99 | Z | .268 | .268 | 0 | %100 |
| 33 | M100 | X | -.465 | -.465 | 0 | %100 |
| 34 | M100 | Z | .268 | .268 | 0 | %100 |
| 35 | M146 | X | 0 | 0 | 0 | %100 |
| 36 | M146 | Z | 0 | 0 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 37 | M192 | X | -.465 | -.465 | 0 | %100 |
| 38 | M192 | Z | .268 | .268 | 0 | %100 |
| 39 | OVP | X | -.435 | -.435 | 0 | %100 |
| 40 | OVP | Z | .251 | .251 | 0 | %100 |
| 41 | M135A | X | -.71 | -.71 | 0 | %100 |
| 42 | M135A | Z | .41 | .41 | 0 | %100 |
| 43 | M136A | X | -.71 | -.71 | 0 | %100 |
| 44 | M136A | Z | .41 | .41 | 0 | %100 |
| 45 | M147 | X | -.519 | -.519 | 0 | %100 |
| 46 | M147 | Z | .3 | .3 | 0 | %100 |
| 47 | MP1C | X | -.628 | -.628 | 0 | %100 |
| 48 | MP1C | Z | .363 | .363 | 0 | %100 |
| 49 | MP2C | X | -.628 | -.628 | 0 | %100 |
| 50 | MP2C | Z | .363 | .363 | 0 | %100 |
| 51 | MP3C | X | -.628 | -.628 | 0 | %100 |
| 52 | MP3C | Z | .363 | .363 | 0 | %100 |
| 53 | MP4C | X | -.628 | -.628 | 0 | %100 |
| 54 | MP4C | Z | .363 | .363 | 0 | %100 |
| 55 | MP5C | X | -.628 | -.628 | 0 | %100 |
| 56 | MP5C | Z | .363 | .363 | 0 | %100 |
| 57 | M153 | X | -.177 | -.177 | 0 | %100 |
| 58 | M153 | Z | .102 | .102 | 0 | %100 |
| 59 | M154 | X | -.177 | -.177 | 0 | %100 |
| 60 | M154 | Z | .102 | .102 | 0 | %100 |
| 61 | M165A | X | -.13 | -.13 | 0 | %100 |
| 62 | M165A | Z | .075 | .075 | 0 | %100 |
| 63 | MP1B | X | -.628 | -.628 | 0 | %100 |
| 64 | MP1B | Z | .363 | .363 | 0 | %100 |
| 65 | MP2B | X | -.628 | -.628 | 0 | %100 |
| 66 | MP2B | Z | .363 | .363 | 0 | %100 |
| 67 | MP3B | X | -.628 | -.628 | 0 | %100 |
| 68 | MP3B | Z | .363 | .363 | 0 | %100 |
| 69 | MP4B | X | -.628 | -.628 | 0 | %100 |
| 70 | MP4B | Z | .363 | .363 | 0 | %100 |
| 71 | MP5B | X | -.628 | -.628 | 0 | %100 |
| 72 | MP5B | Z | .363 | .363 | 0 | %100 |
| 73 | M169C | X | 0 | 0 | 0 | %100 |
| 74 | M169C | Z | 0 | 0 | 0 | %100 |
| 75 | M170C | X | -.166 | -.166 | 0 | %100 |
| 76 | M170C | Z | .096 | .096 | 0 | %100 |
| 77 | M171B | X | -.166 | -.166 | 0 | %100 |
| 78 | M171B | Z | .096 | .096 | 0 | %100 |
| 79 | M172A | X | -.947 | -.947 | 0 | %100 |
| 80 | M172A | Z | .547 | .547 | 0 | %100 |
| 81 | M174A | X | -1.461 | -1.461 | 0 | %100 |
| 82 | M174A | Z | .843 | .843 | 0 | %100 |
| 83 | M175A | X | -1.184 | -1.184 | 0 | %100 |
| 84 | M175A | Z | .684 | .684 | 0 | %100 |
| 85 | M176A | X | 0 | 0 | 0 | %100 |
| 86 | M176A | Z | 0 | 0 | 0 | %100 |
| 87 | M177A | X | 0 | 0 | 0 | %100 |
| 88 | M177A | Z | 0 | 0 | 0 | %100 |
| 89 | M186A | X | -.48 | -.48 | 0 | %100 |
| 90 | M186A | Z | .277 | .277 | 0 | %100 |
| 91 | M187A | X | -.166 | -.166 | 0 | %100 |
| 92 | M187A | Z | .096 | .096 | 0 | %100 |
| 93 | M188A | X | -.663 | -.663 | 0 | %100 |
| 94 | M188A | Z | .383 | .383 | 0 | %100 |
| 95 | M189A | X | -.237 | -.237 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 96 | M189A | Z | .137 | .137 | 0 | %100 |
| 97 | M191 | X | -1.185 | -1.185 | 0 | %100 |
| 98 | M191 | Z | .684 | .684 | 0 | %100 |
| 99 | M192A | X | -.296 | -.296 | 0 | %100 |
| 100 | M192A | Z | .171 | .171 | 0 | %100 |
| 101 | M193 | X | -.465 | -.465 | 0 | %100 |
| 102 | M193 | Z | .268 | .268 | 0 | %100 |
| 103 | M194 | X | -.465 | -.465 | 0 | %100 |
| 104 | M194 | Z | .268 | .268 | 0 | %100 |
| 105 | M205 | X | -.774 | -.774 | 0 | %100 |
| 106 | M205 | Z | .447 | .447 | 0 | %100 |
| 107 | M208 | X | -.193 | -.193 | 0 | %100 |
| 108 | M208 | Z | .112 | .112 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | -.739 | -.739 | 0 | %100 |
| 2 | M64 | Z | 0 | 0 | 0 | %100 |
| 3 | M22 | X | -.575 | -.575 | 0 | %100 |
| 4 | M22 | Z | 0 | 0 | 0 | %100 |
| 5 | M23 | X | -.575 | -.575 | 0 | %100 |
| 6 | M23 | Z | 0 | 0 | 0 | %100 |
| 7 | M27A | X | 0 | 0 | 0 | %100 |
| 8 | M27A | Z | 0 | 0 | 0 | %100 |
| 9 | FACE2 | X | 0 | 0 | 0 | %100 |
| 10 | FACE2 | Z | 0 | 0 | 0 | %100 |
| 11 | M38 | X | 0 | 0 | 0 | %100 |
| 12 | M38 | Z | 0 | 0 | 0 | %100 |
| 13 | M49A | X | 0 | 0 | 0 | %100 |
| 14 | M49A | Z | 0 | 0 | 0 | %100 |
| 15 | MP1A | X | -.726 | -.726 | 0 | %100 |
| 16 | MP1A | Z | 0 | 0 | 0 | %100 |
| 17 | MP2A | X | -.726 | -.726 | 0 | %100 |
| 18 | MP2A | Z | 0 | 0 | 0 | %100 |
| 19 | MP3A | X | -.726 | -.726 | 0 | %100 |
| 20 | MP3A | Z | 0 | 0 | 0 | %100 |
| 21 | MP4A | X | -.726 | -.726 | 0 | %100 |
| 22 | MP4A | Z | 0 | 0 | 0 | %100 |
| 23 | MP5A | X | -.726 | -.726 | 0 | %100 |
| 24 | MP5A | Z | 0 | 0 | 0 | %100 |
| 25 | M96 | X | 0 | 0 | 0 | %100 |
| 26 | M96 | Z | 0 | 0 | 0 | %100 |
| 27 | M98 | X | -1.262 | -1.262 | 0 | %100 |
| 28 | M98 | Z | 0 | 0 | 0 | %100 |
| 29 | M105A | X | 0 | 0 | 0 | %100 |
| 30 | M105A | Z | 0 | 0 | 0 | %100 |
| 31 | M99 | X | -.715 | -.715 | 0 | %100 |
| 32 | M99 | Z | 0 | 0 | 0 | %100 |
| 33 | M100 | X | -.715 | -.715 | 0 | %100 |
| 34 | M100 | Z | 0 | 0 | 0 | %100 |
| 35 | M146 | X | -.179 | -.179 | 0 | %100 |
| 36 | M146 | Z | 0 | 0 | 0 | %100 |
| 37 | M192 | X | -.179 | -.179 | 0 | %100 |
| 38 | M192 | Z | 0 | 0 | 0 | %100 |
| 39 | OVP | X | -.502 | -.502 | 0 | %100 |
| 40 | OVP | Z | 0 | 0 | 0 | %100 |
| 41 | M135A | X | -.615 | -.615 | 0 | %100 |
| 42 | M135A | Z | 0 | 0 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 43 | M136A | X | -0.615 | -0.615 | 0 | %100 |
| 44 | M136A | Z | 0 | 0 | 0 | %100 |
| 45 | M147 | X | -0.45 | -0.45 | 0 | %100 |
| 46 | M147 | Z | 0 | 0 | 0 | %100 |
| 47 | MP1C | X | -0.726 | -0.726 | 0 | %100 |
| 48 | MP1C | Z | 0 | 0 | 0 | %100 |
| 49 | MP2C | X | -0.726 | -0.726 | 0 | %100 |
| 50 | MP2C | Z | 0 | 0 | 0 | %100 |
| 51 | MP3C | X | -0.726 | -0.726 | 0 | %100 |
| 52 | MP3C | Z | 0 | 0 | 0 | %100 |
| 53 | MP4C | X | -0.726 | -0.726 | 0 | %100 |
| 54 | MP4C | Z | 0 | 0 | 0 | %100 |
| 55 | MP5C | X | -0.726 | -0.726 | 0 | %100 |
| 56 | MP5C | Z | 0 | 0 | 0 | %100 |
| 57 | M153 | X | -0.615 | -0.615 | 0 | %100 |
| 58 | M153 | Z | 0 | 0 | 0 | %100 |
| 59 | M154 | X | -0.615 | -0.615 | 0 | %100 |
| 60 | M154 | Z | 0 | 0 | 0 | %100 |
| 61 | M165A | X | -0.45 | -0.45 | 0 | %100 |
| 62 | M165A | Z | 0 | 0 | 0 | %100 |
| 63 | MP1B | X | -0.726 | -0.726 | 0 | %100 |
| 64 | MP1B | Z | 0 | 0 | 0 | %100 |
| 65 | MP2B | X | -0.726 | -0.726 | 0 | %100 |
| 66 | MP2B | Z | 0 | 0 | 0 | %100 |
| 67 | MP3B | X | -0.726 | -0.726 | 0 | %100 |
| 68 | MP3B | Z | 0 | 0 | 0 | %100 |
| 69 | MP4B | X | -0.726 | -0.726 | 0 | %100 |
| 70 | MP4B | Z | 0 | 0 | 0 | %100 |
| 71 | MP5B | X | -0.726 | -0.726 | 0 | %100 |
| 72 | MP5B | Z | 0 | 0 | 0 | %100 |
| 73 | M169C | X | -0.185 | -0.185 | 0 | %100 |
| 74 | M169C | Z | 0 | 0 | 0 | %100 |
| 75 | M170C | X | -0.575 | -0.575 | 0 | %100 |
| 76 | M170C | Z | 0 | 0 | 0 | %100 |
| 77 | M171B | X | 0 | 0 | 0 | %100 |
| 78 | M171B | Z | 0 | 0 | 0 | %100 |
| 79 | M172A | X | -0.82 | -0.82 | 0 | %100 |
| 80 | M172A | Z | 0 | 0 | 0 | %100 |
| 81 | M174A | X | -1.58 | -1.58 | 0 | %100 |
| 82 | M174A | Z | 0 | 0 | 0 | %100 |
| 83 | M175A | X | -1.025 | -1.025 | 0 | %100 |
| 84 | M175A | Z | 0 | 0 | 0 | %100 |
| 85 | M176A | X | -0.179 | -0.179 | 0 | %100 |
| 86 | M176A | Z | 0 | 0 | 0 | %100 |
| 87 | M177A | X | -0.179 | -0.179 | 0 | %100 |
| 88 | M177A | Z | 0 | 0 | 0 | %100 |
| 89 | M186A | X | -0.185 | -0.185 | 0 | %100 |
| 90 | M186A | Z | 0 | 0 | 0 | %100 |
| 91 | M187A | X | 0 | 0 | 0 | %100 |
| 92 | M187A | Z | 0 | 0 | 0 | %100 |
| 93 | M188A | X | -0.575 | -0.575 | 0 | %100 |
| 94 | M188A | Z | 0 | 0 | 0 | %100 |
| 95 | M189A | X | -0.82 | -0.82 | 0 | %100 |
| 96 | M189A | Z | 0 | 0 | 0 | %100 |
| 97 | M191 | X | -1.58 | -1.58 | 0 | %100 |
| 98 | M191 | Z | 0 | 0 | 0 | %100 |
| 99 | M192A | X | -1.025 | -1.025 | 0 | %100 |
| 100 | M192A | Z | 0 | 0 | 0 | %100 |
| 101 | M193 | X | -0.179 | -0.179 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 102 | M193 | Z | 0 | 0 | 0 | %100 |
| 103 | M194 | X | -.179 | -.179 | 0 | %100 |
| 104 | M194 | Z | 0 | 0 | 0 | %100 |
| 105 | M205 | X | -.67 | -.67 | 0 | %100 |
| 106 | M205 | Z | 0 | 0 | 0 | %100 |
| 107 | M208 | X | -.67 | -.67 | 0 | %100 |
| 108 | M208 | Z | 0 | 0 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | -.48 | -.48 | 0 | %100 |
| 2 | M64 | Z | -.277 | -.277 | 0 | %100 |
| 3 | M22 | X | -.166 | -.166 | 0 | %100 |
| 4 | M22 | Z | -.096 | -.096 | 0 | %100 |
| 5 | M23 | X | -.663 | -.663 | 0 | %100 |
| 6 | M23 | Z | -.383 | -.383 | 0 | %100 |
| 7 | M27A | X | -.237 | -.237 | 0 | %100 |
| 8 | M27A | Z | -.137 | -.137 | 0 | %100 |
| 9 | FACE2 | X | -.177 | -.177 | 0 | %100 |
| 10 | FACE2 | Z | -.102 | -.102 | 0 | %100 |
| 11 | M38 | X | -.177 | -.177 | 0 | %100 |
| 12 | M38 | Z | -.102 | -.102 | 0 | %100 |
| 13 | M49A | X | -.13 | -.13 | 0 | %100 |
| 14 | M49A | Z | -.075 | -.075 | 0 | %100 |
| 15 | MP1A | X | -.628 | -.628 | 0 | %100 |
| 16 | MP1A | Z | -.363 | -.363 | 0 | %100 |
| 17 | MP2A | X | -.628 | -.628 | 0 | %100 |
| 18 | MP2A | Z | -.363 | -.363 | 0 | %100 |
| 19 | MP3A | X | -.628 | -.628 | 0 | %100 |
| 20 | MP3A | Z | -.363 | -.363 | 0 | %100 |
| 21 | MP4A | X | -.628 | -.628 | 0 | %100 |
| 22 | MP4A | Z | -.363 | -.363 | 0 | %100 |
| 23 | MP5A | X | -.628 | -.628 | 0 | %100 |
| 24 | MP5A | Z | -.363 | -.363 | 0 | %100 |
| 25 | M96 | X | -.193 | -.193 | 0 | %100 |
| 26 | M96 | Z | -.112 | -.112 | 0 | %100 |
| 27 | M98 | X | -1.185 | -1.185 | 0 | %100 |
| 28 | M98 | Z | -.684 | -.684 | 0 | %100 |
| 29 | M105A | X | -.296 | -.296 | 0 | %100 |
| 30 | M105A | Z | -.171 | -.171 | 0 | %100 |
| 31 | M99 | X | -.465 | -.465 | 0 | %100 |
| 32 | M99 | Z | -.268 | -.268 | 0 | %100 |
| 33 | M100 | X | -.465 | -.465 | 0 | %100 |
| 34 | M100 | Z | -.268 | -.268 | 0 | %100 |
| 35 | M146 | X | -.465 | -.465 | 0 | %100 |
| 36 | M146 | Z | -.268 | -.268 | 0 | %100 |
| 37 | M192 | X | 0 | 0 | 0 | %100 |
| 38 | M192 | Z | 0 | 0 | 0 | %100 |
| 39 | OVP | X | -.435 | -.435 | 0 | %100 |
| 40 | OVP | Z | -.251 | -.251 | 0 | %100 |
| 41 | M135A | X | -.177 | -.177 | 0 | %100 |
| 42 | M135A | Z | -.102 | -.102 | 0 | %100 |
| 43 | M136A | X | -.177 | -.177 | 0 | %100 |
| 44 | M136A | Z | -.102 | -.102 | 0 | %100 |
| 45 | M147 | X | -.13 | -.13 | 0 | %100 |
| 46 | M147 | Z | -.075 | -.075 | 0 | %100 |
| 47 | MP1C | X | -.628 | -.628 | 0 | %100 |
| 48 | MP1C | Z | -.363 | -.363 | 0 | %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft,%] | End Location[ft,%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 49 | MP2C | X | -.628 | -.628 | 0 | %100 |
| 50 | MP2C | Z | -.363 | -.363 | 0 | %100 |
| 51 | MP3C | X | -.628 | -.628 | 0 | %100 |
| 52 | MP3C | Z | -.363 | -.363 | 0 | %100 |
| 53 | MP4C | X | -.628 | -.628 | 0 | %100 |
| 54 | MP4C | Z | -.363 | -.363 | 0 | %100 |
| 55 | MP5C | X | -.628 | -.628 | 0 | %100 |
| 56 | MP5C | Z | -.363 | -.363 | 0 | %100 |
| 57 | M153 | X | -.71 | -.71 | 0 | %100 |
| 58 | M153 | Z | -.41 | -.41 | 0 | %100 |
| 59 | M154 | X | -.71 | -.71 | 0 | %100 |
| 60 | M154 | Z | -.41 | -.41 | 0 | %100 |
| 61 | M165A | X | -.519 | -.519 | 0 | %100 |
| 62 | M165A | Z | -.3 | -.3 | 0 | %100 |
| 63 | MP1B | X | -.628 | -.628 | 0 | %100 |
| 64 | MP1B | Z | -.363 | -.363 | 0 | %100 |
| 65 | MP2B | X | -.628 | -.628 | 0 | %100 |
| 66 | MP2B | Z | -.363 | -.363 | 0 | %100 |
| 67 | MP3B | X | -.628 | -.628 | 0 | %100 |
| 68 | MP3B | Z | -.363 | -.363 | 0 | %100 |
| 69 | MP4B | X | -.628 | -.628 | 0 | %100 |
| 70 | MP4B | Z | -.363 | -.363 | 0 | %100 |
| 71 | MP5B | X | -.628 | -.628 | 0 | %100 |
| 72 | MP5B | Z | -.363 | -.363 | 0 | %100 |
| 73 | M169C | X | -.48 | -.48 | 0 | %100 |
| 74 | M169C | Z | -.277 | -.277 | 0 | %100 |
| 75 | M170C | X | -.663 | -.663 | 0 | %100 |
| 76 | M170C | Z | -.383 | -.383 | 0 | %100 |
| 77 | M171B | X | -.166 | -.166 | 0 | %100 |
| 78 | M171B | Z | -.096 | -.096 | 0 | %100 |
| 79 | M172A | X | -.237 | -.237 | 0 | %100 |
| 80 | M172A | Z | -.137 | -.137 | 0 | %100 |
| 81 | M174A | X | -1.185 | -1.185 | 0 | %100 |
| 82 | M174A | Z | -.684 | -.684 | 0 | %100 |
| 83 | M175A | X | -.296 | -.296 | 0 | %100 |
| 84 | M175A | Z | -.171 | -.171 | 0 | %100 |
| 85 | M176A | X | -.465 | -.465 | 0 | %100 |
| 86 | M176A | Z | -.268 | -.268 | 0 | %100 |
| 87 | M177A | X | -.465 | -.465 | 0 | %100 |
| 88 | M177A | Z | -.268 | -.268 | 0 | %100 |
| 89 | M186A | X | 0 | 0 | 0 | %100 |
| 90 | M186A | Z | 0 | 0 | 0 | %100 |
| 91 | M187A | X | -.166 | -.166 | 0 | %100 |
| 92 | M187A | Z | -.096 | -.096 | 0 | %100 |
| 93 | M188A | X | -.166 | -.166 | 0 | %100 |
| 94 | M188A | Z | -.096 | -.096 | 0 | %100 |
| 95 | M189A | X | -.947 | -.947 | 0 | %100 |
| 96 | M189A | Z | -.547 | -.547 | 0 | %100 |
| 97 | M191 | X | -1.461 | -1.461 | 0 | %100 |
| 98 | M191 | Z | -.843 | -.843 | 0 | %100 |
| 99 | M192A | X | -1.184 | -1.184 | 0 | %100 |
| 100 | M192A | Z | -.684 | -.684 | 0 | %100 |
| 101 | M193 | X | 0 | 0 | 0 | %100 |
| 102 | M193 | Z | 0 | 0 | 0 | %100 |
| 103 | M194 | X | 0 | 0 | 0 | %100 |
| 104 | M194 | Z | 0 | 0 | 0 | %100 |
| 105 | M205 | X | -.193 | -.193 | 0 | %100 |
| 106 | M205 | Z | -.112 | -.112 | 0 | %100 |
| 107 | M208 | X | -.774 | -.774 | 0 | %100 |



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

| Member Label | Direction | Start Magnitude[lb/ft,... | End Magnitude[lb/ft,... | Start Location[ft,%] | End Location[ft,%] |
|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 108 | M208 | Z | -447 | -447 | 0 %100 |

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

| Member Label | Direction | Start Magnitude[lb/ft,... | End Magnitude[lb/ft,... | Start Location[ft,%] | End Location[ft,%] |
|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M64 | X | -.092 | -.092 | 0 %100 |
| 2 | M64 | Z | -.16 | -.16 | 0 %100 |
| 3 | M22 | X | 0 | 0 | 0 %100 |
| 4 | M22 | Z | 0 | 0 | 0 %100 |
| 5 | M23 | X | -.287 | -.287 | 0 %100 |
| 6 | M23 | Z | -.498 | -.498 | 0 %100 |
| 7 | M27A | X | -.41 | -.41 | 0 %100 |
| 8 | M27A | Z | -.71 | -.71 | 0 %100 |
| 9 | FACE2 | X | -.307 | -.307 | 0 %100 |
| 10 | FACE2 | Z | -.532 | -.532 | 0 %100 |
| 11 | M38 | X | -.307 | -.307 | 0 %100 |
| 12 | M38 | Z | -.532 | -.532 | 0 %100 |
| 13 | M49A | X | -.225 | -.225 | 0 %100 |
| 14 | M49A | Z | -.389 | -.389 | 0 %100 |
| 15 | MP1A | X | -.363 | -.363 | 0 %100 |
| 16 | MP1A | Z | -.628 | -.628 | 0 %100 |
| 17 | MP2A | X | -.363 | -.363 | 0 %100 |
| 18 | MP2A | Z | -.628 | -.628 | 0 %100 |
| 19 | MP3A | X | -.363 | -.363 | 0 %100 |
| 20 | MP3A | Z | -.628 | -.628 | 0 %100 |
| 21 | MP4A | X | -.363 | -.363 | 0 %100 |
| 22 | MP4A | Z | -.628 | -.628 | 0 %100 |
| 23 | MP5A | X | -.363 | -.363 | 0 %100 |
| 24 | MP5A | Z | -.628 | -.628 | 0 %100 |
| 25 | M96 | X | -.335 | -.335 | 0 %100 |
| 26 | M96 | Z | -.58 | -.58 | 0 %100 |
| 27 | M98 | X | -.79 | -.79 | 0 %100 |
| 28 | M98 | Z | -1.369 | -1.369 | 0 %100 |
| 29 | M105A | X | -.513 | -.513 | 0 %100 |
| 30 | M105A | Z | -.888 | -.888 | 0 %100 |
| 31 | M99 | X | -.089 | -.089 | 0 %100 |
| 32 | M99 | Z | -.155 | -.155 | 0 %100 |
| 33 | M100 | X | -.089 | -.089 | 0 %100 |
| 34 | M100 | Z | -.155 | -.155 | 0 %100 |
| 35 | M146 | X | -.358 | -.358 | 0 %100 |
| 36 | M146 | Z | -.619 | -.619 | 0 %100 |
| 37 | M192 | X | -.089 | -.089 | 0 %100 |
| 38 | M192 | Z | -.155 | -.155 | 0 %100 |
| 39 | OVP | X | -.251 | -.251 | 0 %100 |
| 40 | OVP | Z | -.435 | -.435 | 0 %100 |
| 41 | M135A | X | 0 | 0 | 0 %100 |
| 42 | M135A | Z | 0 | 0 | 0 %100 |
| 43 | M136A | X | 0 | 0 | 0 %100 |
| 44 | M136A | Z | 0 | 0 | 0 %100 |
| 45 | M147 | X | 0 | 0 | 0 %100 |
| 46 | M147 | Z | 0 | 0 | 0 %100 |
| 47 | MP1C | X | -.363 | -.363 | 0 %100 |
| 48 | MP1C | Z | -.628 | -.628 | 0 %100 |
| 49 | MP2C | X | -.363 | -.363 | 0 %100 |
| 50 | MP2C | Z | -.628 | -.628 | 0 %100 |
| 51 | MP3C | X | -.363 | -.363 | 0 %100 |
| 52 | MP3C | Z | -.628 | -.628 | 0 %100 |
| 53 | MP4C | X | -.363 | -.363 | 0 %100 |
| 54 | MP4C | Z | -.628 | -.628 | 0 %100 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|-----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 55 | MP5C | X | -363 | -363 | 0 | %100 |
| 56 | MP5C | Z | -628 | -628 | 0 | %100 |
| 57 | M153 | X | -307 | -307 | 0 | %100 |
| 58 | M153 | Z | -532 | -532 | 0 | %100 |
| 59 | M154 | X | -307 | -307 | 0 | %100 |
| 60 | M154 | Z | -532 | -532 | 0 | %100 |
| 61 | M165A | X | -225 | -225 | 0 | %100 |
| 62 | M165A | Z | -389 | -389 | 0 | %100 |
| 63 | MP1B | X | -363 | -363 | 0 | %100 |
| 64 | MP1B | Z | -628 | -628 | 0 | %100 |
| 65 | MP2B | X | -363 | -363 | 0 | %100 |
| 66 | MP2B | Z | -628 | -628 | 0 | %100 |
| 67 | MP3B | X | -363 | -363 | 0 | %100 |
| 68 | MP3B | Z | -628 | -628 | 0 | %100 |
| 69 | MP4B | X | -363 | -363 | 0 | %100 |
| 70 | MP4B | Z | -628 | -628 | 0 | %100 |
| 71 | MP5B | X | -363 | -363 | 0 | %100 |
| 72 | MP5B | Z | -628 | -628 | 0 | %100 |
| 73 | M169C | X | -369 | -369 | 0 | %100 |
| 74 | M169C | Z | -.64 | -.64 | 0 | %100 |
| 75 | M170C | X | -.287 | -.287 | 0 | %100 |
| 76 | M170C | Z | -.498 | -.498 | 0 | %100 |
| 77 | M171B | X | -.287 | -.287 | 0 | %100 |
| 78 | M171B | Z | -.498 | -.498 | 0 | %100 |
| 79 | M172A | X | 0 | 0 | 0 | %100 |
| 80 | M172A | Z | 0 | 0 | 0 | %100 |
| 81 | M174A | X | -.631 | -.631 | 0 | %100 |
| 82 | M174A | Z | -1.093 | -1.093 | 0 | %100 |
| 83 | M175A | X | 0 | 0 | 0 | %100 |
| 84 | M175A | Z | 0 | 0 | 0 | %100 |
| 85 | M176A | X | -.358 | -.358 | 0 | %100 |
| 86 | M176A | Z | -.619 | -.619 | 0 | %100 |
| 87 | M177A | X | -.358 | -.358 | 0 | %100 |
| 88 | M177A | Z | -.619 | -.619 | 0 | %100 |
| 89 | M186A | X | -.092 | -.092 | 0 | %100 |
| 90 | M186A | Z | -.16 | -.16 | 0 | %100 |
| 91 | M187A | X | -.287 | -.287 | 0 | %100 |
| 92 | M187A | Z | -.498 | -.498 | 0 | %100 |
| 93 | M188A | X | 0 | 0 | 0 | %100 |
| 94 | M188A | Z | 0 | 0 | 0 | %100 |
| 95 | M189A | X | -.41 | -.41 | 0 | %100 |
| 96 | M189A | Z | -.71 | -.71 | 0 | %100 |
| 97 | M191 | X | -.79 | -.79 | 0 | %100 |
| 98 | M191 | Z | -1.369 | -1.369 | 0 | %100 |
| 99 | M192A | X | -.513 | -.513 | 0 | %100 |
| 100 | M192A | Z | -.888 | -.888 | 0 | %100 |
| 101 | M193 | X | -.089 | -.089 | 0 | %100 |
| 102 | M193 | Z | -.155 | -.155 | 0 | %100 |
| 103 | M194 | X | -.089 | -.089 | 0 | %100 |
| 104 | M194 | Z | -.155 | -.155 | 0 | %100 |
| 105 | M205 | X | 0 | 0 | 0 | %100 |
| 106 | M205 | Z | 0 | 0 | 0 | %100 |
| 107 | M208 | X | -.335 | -.335 | 0 | %100 |
| 108 | M208 | Z | -.58 | -.58 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|---|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M170C | Y | -5.544 | -5.283 | 0 | .818 |



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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 2 | M170C | Y | -5.283 | -7.941 | .818 | 1.636 |
| 3 | M170C | Y | -7.941 | -6.86 | 1.636 | 2.454 |
| 4 | M170C | Y | -6.86 | -.318 | 2.454 | 3.272 |
| 5 | M171B | Y | -.565 | -5.647 | 0 | .818 |
| 6 | M171B | Y | -5.647 | -7.764 | .818 | 1.636 |
| 7 | M171B | Y | -7.764 | -5.359 | 1.636 | 2.454 |
| 8 | M171B | Y | -5.359 | -1.397 | 2.454 | 3.272 |
| 9 | M22 | Y | -5.544 | -5.283 | 0 | .818 |
| 10 | M22 | Y | -5.283 | -7.941 | .818 | 1.636 |
| 11 | M22 | Y | -7.941 | -6.86 | 1.636 | 2.454 |
| 12 | M22 | Y | -6.86 | -.318 | 2.454 | 3.272 |
| 13 | M23 | Y | -.566 | -5.647 | 0 | .818 |
| 14 | M23 | Y | -5.647 | -7.764 | .818 | 1.636 |
| 15 | M23 | Y | -7.764 | -5.359 | 1.636 | 2.454 |
| 16 | M23 | Y | -5.359 | -1.397 | 2.454 | 3.272 |
| 17 | M187A | Y | -.565 | -5.647 | 0 | .818 |
| 18 | M187A | Y | -5.647 | -7.764 | .818 | 1.636 |
| 19 | M187A | Y | -7.764 | -5.359 | 1.636 | 2.454 |
| 20 | M187A | Y | -5.359 | -1.397 | 2.454 | 3.272 |
| 21 | M188A | Y | -5.544 | -5.283 | 0 | .818 |
| 22 | M188A | Y | -5.283 | -7.941 | .818 | 1.636 |
| 23 | M188A | Y | -7.941 | -6.86 | 1.636 | 2.454 |
| 24 | M188A | Y | -6.86 | -.318 | 2.454 | 3.272 |

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

| | Member Label | Direction | Start Magnitude[lb/ft.... | End Magnitude[lb/ft.... | Start Location[ft.%] | End Location[ft.%] |
|----|--------------|-----------|---------------------------|-------------------------|----------------------|--------------------|
| 1 | M170C | Y | -11.643 | -11.095 | 0 | .818 |
| 2 | M170C | Y | -11.095 | -16.676 | .818 | 1.636 |
| 3 | M170C | Y | -16.676 | -14.407 | 1.636 | 2.454 |
| 4 | M170C | Y | -14.407 | -.668 | 2.454 | 3.272 |
| 5 | M171B | Y | -1.187 | -11.859 | 0 | .818 |
| 6 | M171B | Y | -11.859 | -16.305 | .818 | 1.636 |
| 7 | M171B | Y | -16.305 | -11.254 | 1.636 | 2.454 |
| 8 | M171B | Y | -11.254 | -2.933 | 2.454 | 3.272 |
| 9 | M22 | Y | -12.197 | -11.623 | 0 | .818 |
| 10 | M22 | Y | -11.623 | -17.47 | .818 | 1.636 |
| 11 | M22 | Y | -17.47 | -15.093 | 1.636 | 2.454 |
| 12 | M22 | Y | -15.093 | -.699 | 2.454 | 3.272 |
| 13 | M23 | Y | -1.244 | -12.423 | 0 | .818 |
| 14 | M23 | Y | -12.423 | -17.081 | .818 | 1.636 |
| 15 | M23 | Y | -17.081 | -11.791 | 1.636 | 2.454 |
| 16 | M23 | Y | -11.791 | -3.073 | 2.454 | 3.272 |
| 17 | M187A | Y | -1.244 | -12.423 | 0 | .818 |
| 18 | M187A | Y | -12.423 | -17.081 | .818 | 1.636 |
| 19 | M187A | Y | -17.081 | -11.79 | 1.636 | 2.454 |
| 20 | M187A | Y | -11.79 | -3.073 | 2.454 | 3.272 |
| 21 | M188A | Y | -12.197 | -11.623 | 0 | .818 |
| 22 | M188A | Y | -11.623 | -17.47 | .818 | 1.636 |
| 23 | M188A | Y | -17.47 | -15.093 | 1.636 | 2.454 |
| 24 | M188A | Y | -15.093 | -.699 | 2.454 | 3.272 |

Member Area Loads (BLC 39 : Structure D)

| | Joint A | Joint B | Joint C | Joint D | Direction | Distribution | Magnitude[ksf] |
|---|---------|---------|---------|---------|-----------|--------------|----------------|
| 1 | N620A | N619A | N624 | N626A | Y | Two Way | -.005 |
| 2 | N607B | N651 | N650 | N609 | Y | Two Way | -.005 |
| 3 | N642B | N643B | N649B | N647B | Y | Two Way | -.005 |



Member Area Loads (BLC 40 : Structure Di)

| | Joint A | Joint B | Joint C | Joint D | Direction | Distribution | Magnitude[ksf] |
|---|---------|---------|---------|---------|-----------|--------------|----------------|
| 1 | N620A | N619A | N624 | N626A | Y | Two Way | -.011 |
| 2 | N607B | N651 | N650 | N609 | Y | Two Way | -.011 |
| 3 | N642B | N643B | N649B | N647B | Y | Two Way | -.011 |

Envelope Joint Reactions

| Joint | | X [lb] | LC | Y [lb] | LC | Z [lb] | LC | MX [k-ft] | LC | MY [k-ft] | LC | MZ [k-ft] | LC | |
|-------|---------|--------|-----------|--------|----------|--------|-----------|-----------|-------|-----------|--------|-----------|-------|----|
| 1 | N80 | max | 712.666 | 10 | 996.819 | 13 | 3343.348 | 1 | .897 | 13 | .411 | 3 | .645 | 4 |
| 2 | | min | -687.751 | 4 | 271.22 | 7 | -2947.367 | 7 | .038 | 7 | -.432 | 9 | -.551 | 10 |
| 3 | N249 | max | 67.032 | 10 | 1859.584 | 1 | 12.52 | 7 | 0 | 75 | 0 | 75 | 0 | 75 |
| 4 | | min | -67.04 | 4 | -158.889 | 7 | -845.844 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| 5 | N604A | max | 2899.468 | 9 | 961.724 | 21 | 1580.995 | 1 | .233 | 1 | 1.234 | 12 | -.045 | 5 |
| 6 | | min | -2509.425 | 3 | 249.286 | 3 | -1777.374 | 7 | -.708 | 7 | -1.206 | 6 | -.761 | 23 |
| 7 | N608A | max | -30.869 | 2 | 1931.414 | 21 | 467.112 | 21 | 0 | 75 | 0 | 75 | 0 | 75 |
| 8 | | min | -809.15 | 21 | -55.703 | 3 | 20.247 | 3 | 0 | 1 | 0 | 1 | 0 | 1 |
| 9 | N627A | max | 2429.714 | 11 | 852.219 | 17 | 1379.257 | 1 | .356 | 2 | .983 | 8 | .701 | 3 |
| 10 | | min | -2698.574 | 5 | 193.016 | 11 | -1534.016 | 7 | -.743 | 8 | -.985 | 3 | -.085 | 9 |
| 11 | N631 | max | 712.557 | 17 | 1714.427 | 17 | 414.653 | 16 | 0 | 75 | 0 | 75 | 0 | 75 |
| 12 | | min | -10.978 | 12 | -136.827 | 11 | -19.503 | 10 | 0 | 1 | 0 | 1 | 0 | 1 |
| 13 | Totals: | max | 5217.524 | 10 | 7331.376 | 17 | 5738.992 | 1 | | | | | | |
| 14 | | min | -5217.517 | 4 | 2779.792 | 74 | -5738.991 | 7 | | | | | | |

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

| Member | Shape | Code Check | Loc... | LC | Shear Check | Loc... | phi*P... | phi*P... | phi*M... | phi*M... | Eqn | | | |
|--------|-------|------------|--------|-------|-------------|--------|----------|----------|----------|----------|----------|--------|--------|-------|
| 1 | M64 | HSS4X4... | .079 | 1.667 | 2 | .065 | 1.6...z | 4 | 13790... | 139518 | 16.181 | 16.181 | H1-1b | |
| 2 | M22 | L2x2x3 | .177 | 3.272 | 1 | .022 | 3.2...y | 1 | 13683... | 23392... | .558 | 1.135 | H2-1 | |
| 3 | M23 | L2x2x3 | .138 | 3.272 | 8 | .017 | 0 | z | 13 | 13683... | 23392... | .558 | 1.234 | H2-1 |
| 4 | M27A | PL1/4x4 | .285 | 0 | 1 | .214 | 0 | y | 1 | 3259... | 32400 | .169 | 2.43 | H1-1b |
| 5 | FACE2 | PIPE_3.0 | .310 | 4.492 | 11 | .201 | 4.4... | 22 | 52901... | 65205 | 5.749 | 5.749 | H1-1b | |
| 6 | M38 | PIPE_3.0 | .216 | 4.492 | 4 | .141 | 4.4... | 17 | 52901... | 65205 | 5.749 | 5.749 | H1-1b | |
| 7 | M49A | PIPE_2.0 | .215 | 2.734 | 10 | .091 | 10... | 6 | 6295... | 32130 | 1.872 | 1.872 | H1-1b | |
| 8 | MP1A | PIPE_2.5 | .094 | 4.509 | 22 | .044 | 4.5... | 8 | 29383... | 50715 | 3.596 | 3.596 | H1-1b | |
| 9 | MP2A | PIPE_2.5 | .195 | 4.509 | 9 | .061 | .681 | 19 | 29383... | 50715 | 3.596 | 3.596 | H1-1b | |
| 10 | MP3A | PIPE_2.5 | .263 | 4.509 | 10 | .067 | 4.5... | 3 | 29383... | 50715 | 3.596 | 3.596 | H1-1b | |
| 11 | MP4A | PIPE_2.5 | .244 | 4.509 | 5 | .079 | 2.2... | 6 | 29383... | 50715 | 3.596 | 3.596 | H1-1b | |
| 12 | MP5A | PIPE_2.5 | .188 | 4.509 | 41 | .091 | 4.5... | 6 | 29383... | 50715 | 3.596 | 3.596 | H1-1b | |
| 13 | M96 | L3X2X3 | .435 | 1.867 | 3 | .039 | 1.8...z | 3 | 24524... | 29710... | .641 | 1.877 | H2-1 | |
| 14 | M98 | LL3x3x4x3 | .053 | 3.373 | 2 | .003 | 6.7...y | 1 | 62306... | 93312 | 7.427 | 4.883 | H1-1b | |
| 15 | M105A | PL1/4x4 | .959 | 0 | 2 | .426 | .239 | y | 2 | 15608... | 32400 | .169 | 2.403 | 1 |
| 16 | M99 | HSS4X4... | .093 | 0 | 1 | .047 | .66 | y | 1 | 13911... | 139518 | 16.181 | 16.181 | H1-1b |
| 17 | M100 | HSS4.5... | .038 | .833 | 1 | .018 | .165 | z | 3 | 22632... | 226872 | 28.842 | 28.842 | H1-1b |
| 18 | M146 | HSS4.5... | .020 | .833 | 21 | .009 | .33 | z | 6 | 22632... | 226872 | 28.842 | 28.842 | H1-1b |
| 19 | M192 | HSS4.5... | .018 | .833 | 17 | .011 | .33 | z | 8 | 22632... | 226872 | 28.842 | 28.842 | H1-1b |
| 20 | OVP | PIPE_2.5 | .040 | 2 | 11 | .009 | 2 | | 11 | 49081... | 50715 | 3.596 | 3.596 | H1-1b |
| 21 | M135A | PIPE_3.0 | .287 | 4.492 | 7 | .186 | 4.4... | 19 | 52901... | 65205 | 5.749 | 5.749 | H1-1b | |
| 22 | M136A | PIPE_3.0 | .211 | 4.492 | 12 | .149 | 4.5... | 11 | 52901... | 65205 | 5.749 | 5.749 | H1-1b | |
| 23 | M147 | PIPE_2.0 | .279 | 5.339 | 1 | .113 | 2.7... | 2 | 6295... | 32130 | 1.872 | 1.872 | H1-1b | |
| 24 | MP1C | PIPE_2.5 | .103 | 4.509 | 18 | .054 | .681 | 3 | 29383... | 50715 | 3.596 | 3.596 | H1-1b | |
| 25 | MP2C | PIPE_2.5 | .140 | 4.509 | 10 | .106 | 4.5... | 3 | 29383... | 50715 | 3.596 | 3.596 | H1-1b | |
| 26 | MP3C | PIPE_2.5 | .265 | 4.509 | 12 | .073 | 2.2... | 1 | 29383... | 50715 | 3.596 | 3.596 | H1-1b | |
| 27 | MP4C | PIPE_2.5 | .249 | 4.509 | 7 | .102 | 4.5... | 2 | 29383... | 50715 | 3.596 | 3.596 | H1-1b | |
| 28 | MP5C | PIPE_2.5 | .144 | 4.509 | 1 | .088 | 4.5... | 2 | 29383... | 50715 | 3.596 | 3.596 | H1-1b | |
| 29 | M153 | PIPE_3.0 | .276 | 4.492 | 2 | .193 | 4.4... | 2 | 52901... | 65205 | 5.749 | 5.749 | H1-1b | |
| 30 | M154 | PIPE_3.0 | .258 | 4.492 | 7 | .153 | 4.5... | 7 | 52901... | 65205 | 5.749 | 5.749 | H1-1b | |
| 31 | M165A | PIPE_2.0 | .267 | 1.562 | 12 | .079 | 8.5... | 2 | 6295... | 32130 | 1.872 | 1.872 | H1-1b | |
| 32 | MP1B | PIPE_2.5 | .187 | 4.509 | 14 | .062 | 4.5... | 9 | 29383... | 50715 | 3.596 | 3.596 | H1-1b | |
| 33 | MP2B | PIPE_2.5 | .219 | 4.509 | 1 | .062 | 4.5... | 12 | 29383... | 50715 | 3.596 | 3.596 | H1-1b | |



Company :
 Designer :
 Job Number :
 Model Name :

May 24, 2022
 5:21 PM
 Checked By: _____

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

| Member | Shape | Code Check | Loc... | LC | Shear Check | Loc..... | phi*P... | phi*P... | phi*M... | phi*M..... | Eqn | | | | |
|--------|-------|------------|--------|-------|-------------|----------|----------|----------|----------|------------|----------|--------|--------|-------|-------|
| 34 | MP3B | PIPE_2.5 | .273 | 4.509 | 8 | .069 | 4.5... | 8 | 29383... | 50715 | 3.596 | 3.596 | ... | H1-1b | |
| 35 | MP4B | PIPE_2.5 | .266 | 4.509 | 8 | .060 | .681 | 23 | 29383... | 50715 | 3.596 | 3.596 | ... | H1-1b | |
| 36 | MP5B | PIPE_2.5 | .179 | 4.509 | 20 | .061 | 4.5... | 9 | 29383... | 50715 | 3.596 | 3.596 | ... | H1-1b | |
| 37 | M169C | HSS4X4... | .111 | 1.667 | 11 | .074 | 1.6... | z | 6 | 13790... | 139518 | 16.181 | 16.181 | ... | H1-1b |
| 38 | M170C | L2x2x3 | .204 | 3.272 | 8 | .021 | 3.2... | y | 8 | 13683... | 23392... | .558 | 1.134 | ... | H2-1 |
| 39 | M171B | L2x2x3 | .123 | 3.272 | 4 | .018 | 3.2... | z | 18 | 13683... | 23392... | .558 | 1.201 | ... | H2-1 |
| 40 | M172A | PL1/4x4 | .345 | .379 | 6 | .154 | 1.22 | y | 6 | 3259... | 32400 | .169 | 2.7 | ... | H1-1b |
| 41 | M174A | LL3x3x4x3 | .054 | 3.373 | 8 | .003 | 0 | y | 9 | 62306... | 93312 | 7.427 | 4.883 | ... | H1-1b |
| 42 | M175A | PL1/4x4 | .909 | 4.583 | 8 | .453 | 4.3... | y | 8 | 15608... | 32400 | .169 | 2.403 | 1 | H1-1b |
| 43 | M176A | HSS4X4... | .091 | 0 | 21 | .047 | .66 | y | 21 | 13911... | 139518 | 16.181 | 16.181 | ... | H1-1b |
| 44 | M177A | HSS4.5... | .020 | .833 | 21 | .009 | .33 | z | 6 | 22632... | 226872 | 28.842 | 28.842 | ... | H1-1b |
| 45 | M186A | HSS4X4... | .098 | 1.667 | 3 | .078 | 1.6... | z | 8 | 13790... | 139518 | 16.181 | 16.181 | ... | H1-1b |
| 46 | M187A | L2x2x3 | .205 | 3.272 | 5 | .019 | 3.2... | y | 4 | 13683... | 23392... | .558 | 1.136 | ... | H2-1 |
| 47 | M188A | L2x2x3 | .109 | 3.272 | 1 | .018 | 0 | z | 16 | 13683... | 23392... | .558 | 1.218 | ... | H2-1 |
| 48 | M189A | PL1/4x4 | .276 | .379 | 12 | .129 | 1.22 | y | 12 | 3259... | 32400 | .169 | 2.7 | ... | H1-1b |
| 49 | M191 | LL3x3x4x3 | .052 | 3.373 | 6 | .003 | 0 | y | 5 | 62306... | 93312 | 7.427 | 4.883 | ... | H1-1b |
| 50 | M192A | PL1/4x4 | .855 | 4.583 | 4 | .411 | 4.3... | y | 5 | 15608... | 32400 | .169 | 2.403 | 1 | H1-1b |
| 51 | M193 | HSS4X4... | .080 | 0 | 17 | .041 | .66 | y | 17 | 13911... | 139518 | 16.181 | 16.181 | ... | H1-1b |
| 52 | M194 | HSS4.5... | .018 | .833 | 17 | .011 | .33 | z | 8 | 22632... | 226872 | 28.842 | 28.842 | ... | H1-1b |
| 53 | M205 | L3X2X3 | .651 | 0 | 6 | .055 | 0 | z | 12 | 24524... | 29710... | .641 | 1.877 | ... | H2-1 |
| 54 | M208 | L3X2X3 | .441 | 1.867 | 6 | .044 | 0 | z | 2 | 24524... | 29710... | .641 | 1.877 | ... | H2-1 |

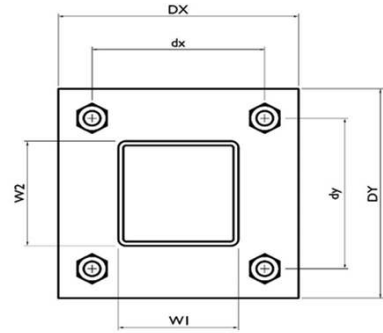
I. Mount-to-Tower Connection Check

Custom Orientation Required No

Tower Connection Bolt Checks Yes

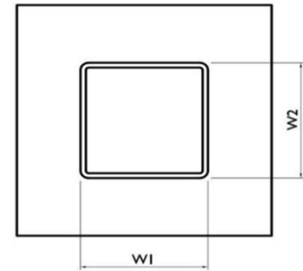
Bolt Orientation Parallel

| | |
|--|-------------|
| Bolt Quantity per Reaction: | 4 |
| d_x (in) (Delta X of typ. bolt config. sketch) : | 7 |
| d_y (in) (Delta Y of typ. bolt config. sketch) : | 7 |
| Bolt Type: | A325N |
| Bolt Diameter (in): | 0.625 |
| Required Tensile Strength / bolt (kips): | 1.7 |
| Required Shear Strength / bolt (kips): | 0.5 |
| Tensile Capacity / bolt (kips): | 20.7 |
| Shear Capacity / bolt (kips): | 12.4 |
| Bolt Overall Utilization: | 8.2% |



Tower Connection Baseplate Checks Yes

| | |
|-----------------------------------|---------------|
| Connecting Standoff Member Shape: | Rect Tube |
| Weld Stiffener Configuration: | No Stiffeners |
| Plate Width, D_x (in): | 10 |
| Plate Height, D_y (in): | 10 |
| W_1 (in): | 4 |
| W_2 (in): | 4 |
| Member Thickness (in): | 0.25 |
| F_y (ksi, plate): | 36 |
| Plate Thickness (in): | 0.625 |
| Length of Yield Line, L_y (in): | 7.75 |
| Bolt Eccentricity, e (in): | 2.35 |
| M_u (kip-in): | 4.01 |
| $\Phi * M_n$ (kip-in): | 24.52 |
| Plate Bending Utilization: | 16.4% |



Tower Connection Weld Checks

Weld Shape:
Weld Stiffener Configuration:
Weld Size (1/16 in):
W1 (in):
W2 (in):
Weld Total Length (in):
 Z_x (in³/in):
 Z_y (in³/in):
 J_p (in⁴/in):
 c_x (in)
 c_y (in)
Required combined strength (kip/in):
Weld Capacity (kip/in):
Weld Utilization:

| |
|--------------|
| Yes |
| Rectangle |
| None |
| 4 |
| 4 |
| 4 |
| 16.00 |
| 21.33 |
| 21.33 |
| 85.33 |
| 2.25 |
| 2.25 |
| 0.58 |
| 5.57 |
| 10.4% |

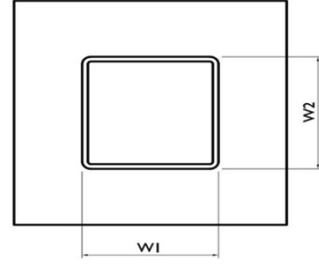
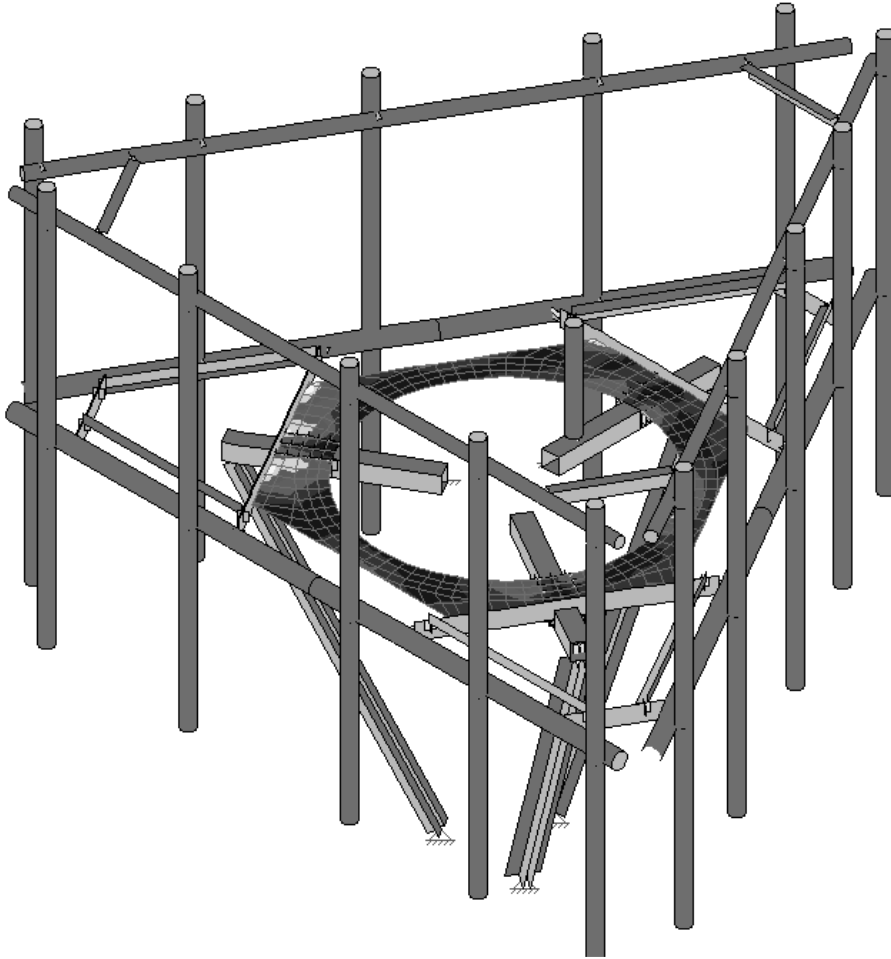


Plate Check:



| Plate | | S... | Sigma1 [...] | L... | Sigma2 [...] | L... | Tau Max ... | LC | Angle [rad] | L... | Von Mis... | LC |
|-------|-----|------|--------------|------|--------------|------|-------------|----|-------------|------|--------------|----|
| P293A | max | T | 9.412 | 8 | .322 | 6 | 4.936 | 9 | 2.16 | 65 | 9.627 | 8 |
| | min | | -0.31 | 13 | -7.739 | 2 | .092 | 64 | -6.73 | 16 | .243 | 13 |
| | max | B | .951 | 7 | -.262 | 5 | 1.448 | 1 | 1.101 | 5 | 2.854 | 1 |
| | min | | -.373 | 10 | -2.811 | 1 | .163 | 5 | -.584 | 4 | .299 | 5 |

Maximum Applied Stress: $\sigma_{app} := 9.627 \cdot \text{ksi}$ (Obtained from Risa 3D)

Design Stress: $\sigma_d := 36 \cdot \text{ksi} \cdot 0.9 = 32.4 \cdot \text{ksi}$ (36 KSI Steel assumed)

Stress Check:
$$\text{Check} := \begin{cases} \text{"OK"} & \text{if } \sigma_{app} \leq \sigma_d \\ \text{"NO GOOD"} & \text{otherwise} \end{cases}$$

 Check = "OK"

Exhibit F

Power Density/RF Emissions Report

Site Name: **MILFORD NE CT**
 Cumulative Power Density

| Operator | Operating Frequency | Number of Trans. | ERP Per Trans. | Total ERP | Distance to Target | Calculated Power Density | Maximum Permissible Exposure* | Fraction of MPE |
|--------------|---------------------|------------------|----------------|-----------|--------------------|--------------------------|-------------------------------|-----------------|
| | (MHz) | | (watts) | (watts) | (feet) | (mW/cm ²) | (mW/cm ²) | (%) |
| VZW 700 | 751 | 4 | 996 | 3983 | 110 | 0.0118 | 0.5007 | 2.36% |
| VZW Cellular | 874 | 4 | 897 | 3590 | 110 | 0.0107 | 0.5827 | 1.83% |
| VZW PCS | 1975 | 4 | 2165 | 8659 | 110 | 0.0257 | 1.0000 | 2.57% |
| VZW AWS | 2120 | 4 | 2603 | 10413 | 110 | 0.0309 | 1.0000 | 3.09% |
| VZW CBRS | 3625 | 4 | 8 | 32 | 111.8 | 0.0001 | 1.0000 | 0.01% |
| VZW CBAND | 3730.08 | 2 | 13335 | 26670 | 110 | 0.0793 | 1.0000 | 7.93% |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Total Percentage of Maximum Permissible Exposure 17.80%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

MHz = Megahertz

mW/cm² = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.