Robinson+Cole

KENNETH C. BALDWIN

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

Also admitted in Massachusetts and New York

May 5, 2022

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

Re: Notice of Exempt Modification – Facility Modification 846 Opening Hill Road, Madison, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and associated equipment on the ground near the base of the tower. The tower was approved by the Town of Madison ("Town") in April of 1997. Cellco's use of the tower were approved by the Siting Council ("Council") in July of 1997. A copy of the Town's and the Council's approvals are included in Attachment 1.

Cellco now intends to modify its facility by removing nine (9) existing antennas and installing three (3) new Samsung MT6407-77A antennas and six (6) MX06FRO660-03 antennas on its existing antenna mounts. Cellco also intends to remove three (3) remote radio heads ("RRHs') and install six (6) new RRHs behind its antennas. A set of project plans showing Cellco's proposed facility modifications and new antenna and RRH specifications are included in Attachment 2.

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

Melanie A. Bachman, Esq. May 5, 2022 Page 2

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

- 1. The proposed modifications will not result in an increase in the height of the existing tower. Cellco's replacement antennas will be installed on its existing antenna platform mounts.
- 2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundary.
- 3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
- 4. The installation of Cellco's new antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative General Power Density table for Cellco's modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.
- 5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
- 6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna mounts, with certain modifications, can support Cellco's proposed modifications. Copies of the SA and MA are included in https://dx.doi.org/10.1007/journal.org/

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

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

Melanie A. Bachman, Esq. May 5, 2022 Page 3

Sincerely,

Kenneth C. Baldwin

Kunig mu

Enclosures Copy to:

Peggy Lyons, Madison First Selectwoman Erin Mannix, Town Planner North Madison Volunteer Fire Company Inc., Property Owner Alex Tyurin, Verizon Wireless

ATTACHMENT 1



TOWN OF MADISON

CONNECTICUT LAND USE OFFICE

8 CAMPUS DRIVE MADISON, CONNECTICUT 06443-2563 (203) 245-5632 FAX (203) 245-5613

MADISON PLANNING AND ZONING COMMISSION

CERTIFICATION OF SPECIAL EXCEPTION PERMIT OR MODIFICATION OF SPECIAL EXCEPTION PERMIT

APPL. NO.: 97-5D

DATE OF APPROVAL: April 17, 1997

This certifies that on the above date a MODIFICATION OF SPECIAL EXCEPTION PERMIT was granted by the Madison Planning and Zoning Commission to:

OWNER OF RECORD: North Madison Volunteer Fire Department

under the provisions of Sec. 4.7 of the Zoning Regulations of the Town of Madison on property located at:

STREET ADDRESS OR LOCATION: 864 OPENING HILL ROAD

TO ALLOW: Construction of a 180 ft. communications tower to replace existing tower, installation of equipment building and emergency back-up generator waiving requirements of 1) a traffic study; 2) a waste water report and engineering study; and 3) final floor plans for the equipment building. The temporary installation of the "Cell on Wheels" was also approved. This approval is conditioned on plastic slats being placed in the chain link fence to obscure the view of the materials enclosed.

In accordance with Section 4.6 of said Regulations, this approval and permit are conditioned upon completion of all proposed improvements in accordance with approved plans within five years from date of approval, and shall become null and void in the event of failure to complete such improvements within said five year period or any extension thereof granted by the Commission.

| period or any extension thereof | granted by the Commission. |
|---------------------------------|--|
| Appl.: Owner | |
| | William B. Bilcheck |
| ч | Chairman, Planning and Zoning Commission |
| Received for Record | , 19, (00,) |
| at | _hm 2)` |
| Signature of Town Cle | FRM. SEPERMIT 6/9: |



TOWN OF MADISON

CONNECTICUT LAND USE OFFICE

8 CAMPUS DRIVE MADISON, CONNECTICUT 06443-2563 (203) 245-5632 FAX (203) 245-5613

May 24, 1999

CERTIFIED MAIL

North Madison Volunteer Fire Company, Inc. 864 Opening Hill Road Madison, CT 06443

Re: Application #99-26D: 864 OPENING HILL ROAD. Request for Modification of Special Exception Permit to allow relocation of the site for emergency generator, enlarge the fenced coumpound, change the style of the fence, add landscaping and permit Nextel Communications and Sprint PCS to install radio equipment shelters inside the enlarged compound.

Gentlemen:

At their regular meeting on May 20, 1999, the Planning and Zoning Commission approved the application above referenced as presented at the meeting.

Before this Modification of Special Exception Permit will become effective, it is necessary to file a Certificate in the Land Records of the Town for which there is a \$10.00 filing fee. At your earliest convenience, please forward this amount to our office so that we may file this Certificate in your behalf. Your check should be made payable to the Town of Madison.

When this Certificate is filed at the end of the appeal period, you may apply for building permits through normal Building Department procedures.

Very truly yours,

William McMinn

Planning and Zoning Administrator

: drk

Copy to: Ronald C. Clark, Nextel Communications

4: 4 mc mi



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

10 Franklin Square New Britain, Connecticut 06051 Phone: (860) 827-2935 Fax: (860) 827-2950

July 1, 1997

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

Cellco Partnership d/b/a Bell Atlantic NYNEX Mobile notice of intent to modify an existing Re: telecommunications facility located at 864 Opening Hill Road in Madison, Connecticut. Dear Mr. Baldwin:

At a public meeting held on June 30, 1997, the Connecticut Siting Council (Council) acknowledged your notice of intent to modify an existing telecommunications site in Madison, Connecticut, pursuant to Section

The proposed modifications are to be implemented as specified in your notice dated June 16, 1997. The modifications are in compliance with the exception criteria in Section 16-50j-72 (c)(1) of the Regulations of Connecticut State Agencies as changes to an existing non-facility site that would not cause a significant change or alteration in the physical and environmental characteristics of the site. This site has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequency now used on this tower. Any additional change to this site will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Science and Technology, Bulletin No. 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes J 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of

Thank you for your attention and cooperation.

Very truly yours,

Mortuer de Gelslogen Mortimer A. Gelston

Chairman

MAG/RKE/ss

Honorable Thomas Rylander, First Selectman, Town of Madison

ATTACHMENT 2

Verizon

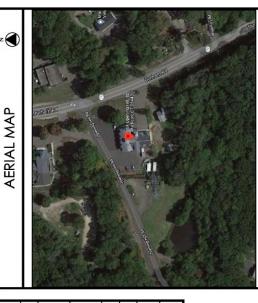
WIRELESS COMMUNICATIONS FACILITY

SITE NAME: MADISON CT

NORTH MADISON VOL. FIRE CO. 864 OPENING HILL RD. MADISON, CT 06443

ANTENNA MODIFICATION

| | PROJECT SUMMARY |
|--------------------------|--|
| SITE NAME: | MADISON CT |
| SITE ADDRESS: | 864 OPENING HILL RD. MADISON, CT 06443 |
| PROPERTY OWNER: | NORTH MADISON VOL. FIRE CO. 864 OPENING HILL RD. MADISON, CT 06443 |
| PARCEL ID: | 134-17 |
| COORDINATES: | 41° 21' 26.33" N 72° 38' 19.52" W |
| VERIZON CONSTRUCTION: | WALTER CHARCZYNSKI (860) 306-1806 |
| VERIZON REAL ESTATE: | ALEX TYURIN (860) 550-3195 |



| FIGURA | CONNECTION OF THE PROPERTY OF |
|--------|---|
| | |

On Air Engineering, LLC 88 Founty Pont Road Cold Spring, NY 10516 201-456-4624 omin@openino.net

Verizon

Wireless communications facility

20 ALEXANDER DRIVE WALLINGFORD, CT 06492

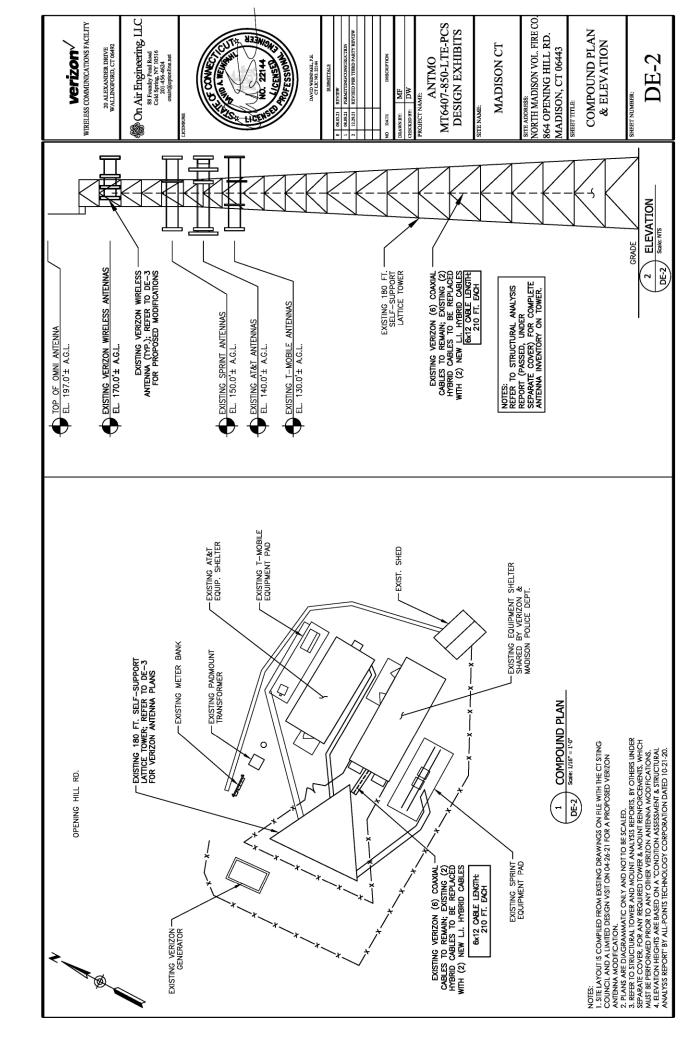
MT6407-850-LTE-PCS DESIGN EXHIBITS ANTMO

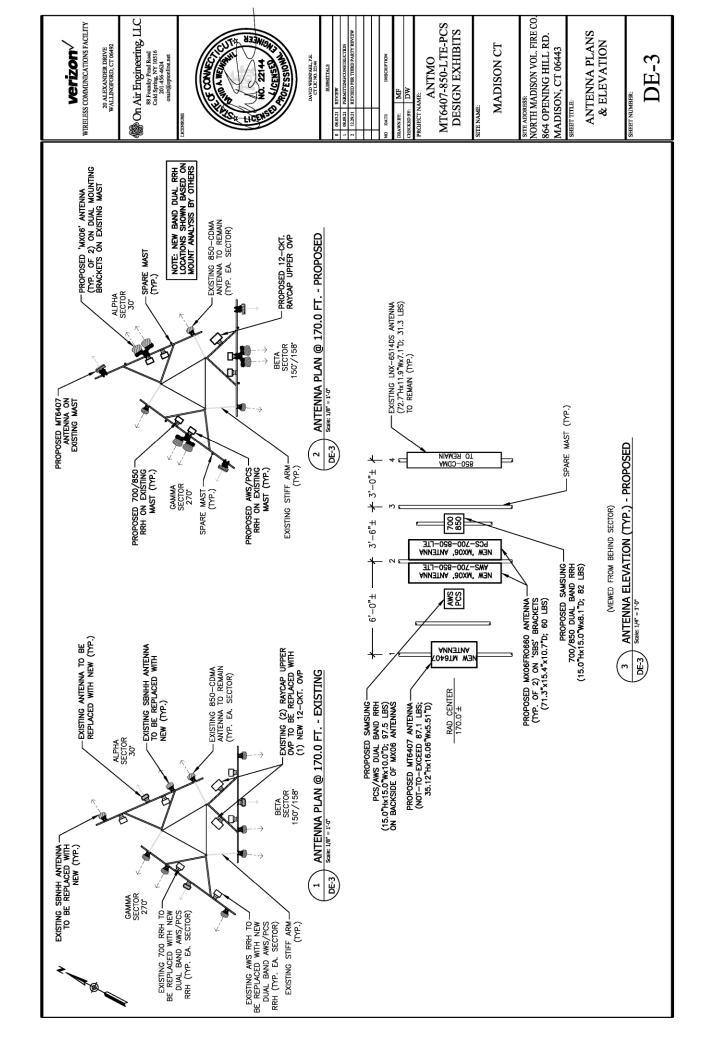
MADISON CT

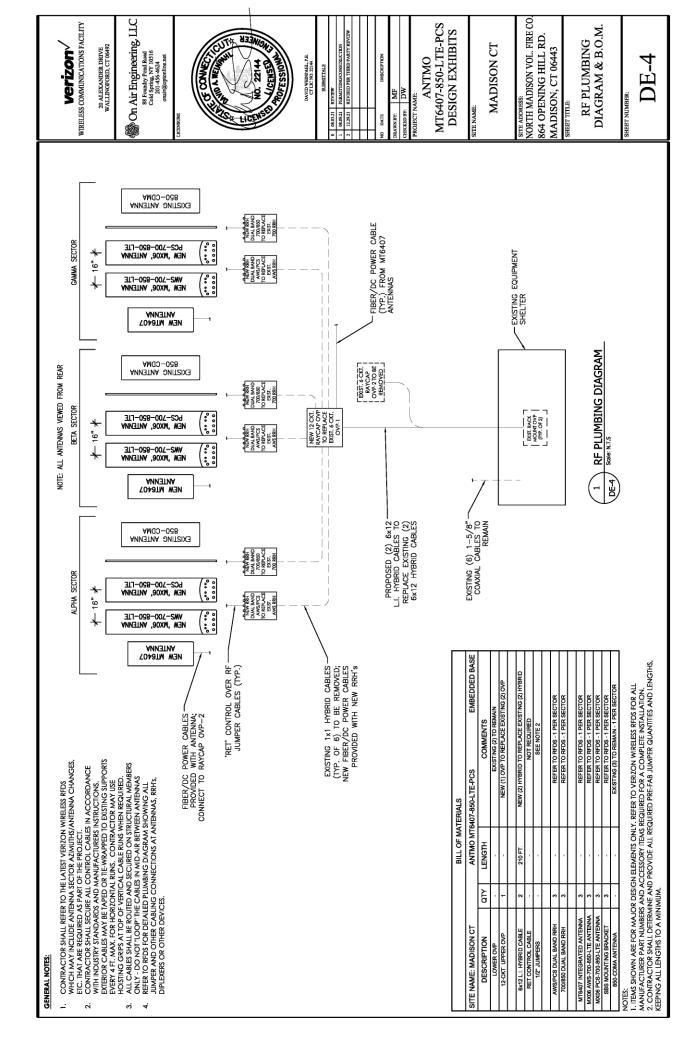
SITE ADDRESS:
NORTH MADISON VOL. FIRE CO.
864 OPENING HILL RD.
MADISON, CT 06443
SHERT TITLE.

TITLE SHEET

DE-1







GENERAL CONSTRUCTION NOTES

FERIZON, THE PROPERTY OWNER AND/OR PROPERTY MANAGEMENT COMPANY. 1. CONTRACTOR SHALL NOT COMMENCE ANY WORK UNTIL HE OBTAINS, AT HIS OWN EXPENSE, ALL INSURANCE REQUIRED BY CELLCO PARTNERSHIP d/b/a

2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS, CURRENT EDITIONS.

CONDITIONS AFFECTING THE PROPOSED WORK AND MAKE PROVISIONS AS TO THE COST THERDE. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILARZING HIMSELF WITH HERDE. CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCES SHALL BE BROUGHT TO HE ATTENTION OF THE BUSINESS FOR THE COMMENCENDENT OF WORK. CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ALL

4. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXSTING CONDITIONS AT THE SITE FRIOR TO FABRICATION AND/OR INSTALLATION OF ANY WORK IN THE CONTRACT REEA AND SUBMIT TO THE ENGINEER ANY DISCREPANICIS FROM THE DRAWINGS.

5. CONTRACTOR IS TO REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE STE OF DRAWINGS. CONTRACTOR SHALL PROVIDE A COMPLETE SET OF DRAWINGS. CONTRACTORS SHALL PROVIDE A COMPLETE SET OF DRAWINGS TO ALL SUB-CONTRACTORS AND ALL RELATED PARTIES. THE SUB-CONTRACTORS SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INSORMATION THAT AFFECTS THEIR WORK.

6. CONTRACTOR SHALL PROVIDE A COMPLETE BUILD-OUT WITH ALL FINISHES, STRUCTUREAL MECHANICAL AND ELECTRICAL COMPONENTS AND PROVIDE ITS AS AS SHOWN OR INDICATED ON DRAWINGS OR WRITHEN IN SPECIFICATIONS.

7. CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK AND FURNISH A COMPLETE) JOB IN ACCORDANCE WITH LOCAL AND STATE GOVERING AUTHORITES AND OTHER AUTHORITES HAVING LAWRIL JURISDICTION OVER THE WORK.

8. CONTRACTOR SHALL OBTAIN AT HIS OWN EXPENSE ALL PERMITS AND ALL INSPECTIONS REQUIRED FROM FEDERAL AND STATE GOVERNMENTS, COUNTIES, MUNICIPALITIES AND OTHER REGULATORY AGENCIES WHICH MAY BE REQUIRED FOR THE PROJECT.

10. DETALIS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS, AND DIFFICATIONS MAY BE REQUIRED TO SUIT LOBE DIMENSIONS OR CONDITIONS, AND SUCH AMODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.

11. ALL MATERIAL PROVIDED BY CELLCO PARTNERSHIP d/b/a VERIZON IS TO BE REVIEWED BY CONTRACTOR RAND ALL PAPILCABLE SUB-CONTRACTOR PRIOR TO INSTALLTON. ANY DEFICIENCIES TO PROVIDED MATERIALS SHALL BE BROUGHT TO THE CONSTRUCTION MANAGERS ATTENTON IMMEDIATELY.

12. THE MATERIALS INSTALLED IN THE WORK SHALL MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. NO SUBSTITUTIONS ARE ALLOWED.

CONSTRUCTION, FOR SEQUENCES AND PROCEDURES TO BE USED, AND TO ENSURE THE SAFETY OF THE EXISTING BULLDING AND ITS COMPONENT DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERSTRUCTION FIC. THAT MAY BE NECESSARY. 13. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF

14. CONTRACTOR SHALL COORDINATE ALL CIVIL, STRUCTURAL AND ELECTRICAL DRAWINGS FOR THE LOCATION OF ALL OPENINGS, RECESSES, BUILT-IN WORK, FIC.

15. CONTRACTOR SHALL RECEIVE CLARFICATION IN WRITING AND SHALL RECEIVE IN WRITING AND SHALL RECEIVE IN WRITING AND TO THE PROCEED BEFORE STARTING WORK ON ANY ITEMS. TO CLEARLY DEFINED OR IDENIFIED SY THE CONTRACT DOCUMENTS.

CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ALL PRODUCTS ITEMS NOTED AS "EXISTING" WHICH ARE NOT FOUND TO BE IN THE FIELD.

17. ERECTION SHALL BE DONE IN A WORKMANLKE MANNER BY COMPETENT EPREIBNCED WORKMEN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST-ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND THEUE AS INDICATED ON THE DRAWINGS.

18. CONTRACTOR SHALL BE RESPONS BLE FOR THE SAFETY OF THE WORK AREA, ADJACCHY AREAS, AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK LINDER THIS CONTRACT. WORK SHALL CONFORM TO CAS, HA REQUIREMENTS.

19. CONTRACTOR SHALL COORDINATE HIS WORK AND SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROPERTY OWNER AND/OR PROPERTY MANAGEMENT COMPANY.

20. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.

21. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OR WHERE LOCAL CODES OR REGULATIONS MAY TAKE PRECEDENCE.

22. CONTRACTOR SHALL MAKE NECESARY PROVISIONS TO PROTECT EXSTING SURFACES. EQUIPMENT, IMPROVEMENTS, PRING, ANTENNA AND ANTENNA CREEKS AND REPAIR ANY DAWAGE THAT OCCURS DURING CONSTRUCTION.

23. CONTRACTOR SHALL REPAIR ALL EXISTING SURFACES DAMAGED DURING CONTRACTION SUCH THAT THEY MATCH AND BLEND WITH ADJACENT SURFACES.

24. CONTRACTOR SHALL KEEP CONTRACT AREA CLEAN, HAZARD FREE AND DISPOSE OF ALL DERBERS AND RUBBISH. EQUIPMENT NOT SPECIFIED AS TERNANING ON THE ROWIER SHALL BE REMOYED. LEAVE PREMISES IN CLEAN CONDITIONS AND REEF ROAN PAIN SPOTS. DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MANINAMING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.

25. BEORE FINAL ACCEPTANCE OF THE WORK, CONTRACTOR SHALL REMOVE ALL EQUIPMENT, TEMPORARY WORKS, INUED AND USELESS MATERALS, RABBSH AND TEMPORARY STRUCTURES.



WIRELESS COMMUNICATIONS FACILITY

20 ALEXANDER DRIVE WALLINGFORD, CT 06492





DAVID WEINPAHL, P.E. CT LIC NO. 22144

ACENSE!

| | | SUBMITTALS |
|---|----------|--------------------------------|
| 0 | 08.03.21 | REVER |
| | 08.09.21 | PERMITTING/CONSTRUCTION |
| 7 | 12,29.21 | REVISED PER THIRD PARTY REVIEW |
| | | |
| Г | | |
| | | |
| Š | NO DATE | DESCRIPTION |

Ā

MT6407-850-LTE-PCS **DESIGN EXHIBITS** ANTMO

MADISON CT

NORTH MADISON VOL. FIRE CO 864 OPENING HILL RD MADISON, CT 06443

CONSTRUCTION GENERAL NOTES SHBET TITLE

DE-5



MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

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

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

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

Fast Roll-Off antennas increase data throughput without compromising coverage

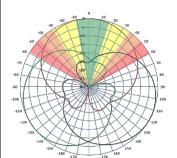
The horizontal beam produced by Fast Roll-Off (FRO) technology increases the Signal to Interference & Noise Ratio (SINR) by eliminating overlap between sectors .

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

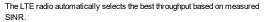
Non-FRO antenna

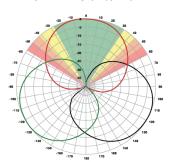
ntenna Large traditional antenna pattern overlap creates harmful interference.

JMA FRO antenna



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







| Electrical specification (minimum/maximum) | Ports 1, 2 Ports 3, 4, 5, 6 | | ; | | |
|---|-----------------------------|---------|----------------------------|-------|-----------|
| Frequency bands, MHz | 698-798 | 824-894 | 1695-1880 1850-1990 1920-2 | | 1920-2180 |
| Polarization | ± 45° | | | ± 45° | |
| Average gain over all tilts, dBi | 14.4 | 14.0 | 17.6 | 18.0 | 18.2 |
| Horizontal beamwidth (HBW), degrees | 60.5 | 53.0 | 55.0 | 55.0 | 55.5 |
| Front-to-back ratio, co-polar power @180°± 30°, dB | >24 | >24.0 | >25.0 >25.0 >25.0 | | >25.0 |
| X-Pol discrimination (CPR) at boresight, dB | >15.0 | >14.2 | >18 >18 >15 | | >15 |
| Sector power ratio, percent | <3.5 | <3.0 | <3.0 <3.7 <3.8 <3.6 | | <3.6 |
| Vertical beamwidth (VBW), degrees ¹ | 13.1 | 11.8 | 6.0 5.5 5.5 | | |
| Electrical downtilt (EDT) range, degrees | 2-14 | 2-14 | 0-9 | | |
| First upper side lobe (USLS) suppression, dB ¹ | ≤-15.0 | ≤-16.5 | ≤-16.0 ≤-16.0 ≤-16.0 | | ≤-16.0 |
| Cross-polar isolation, port-to-port, dB ¹ | 25 25 25 25 | | 25 | | |
| Max VSWR / return loss, dB | 1.5:1 / -14.0 1.5:1 / -14.0 | | | | |
| Max passive intermodulation (PIM), 2x20W carrier, dBc | -153 | | | -153 | |
| Max input power per any port, watts | 30 | 00 | 250 | | |
| Total composite power all ports, watts | 1500 | | | | |

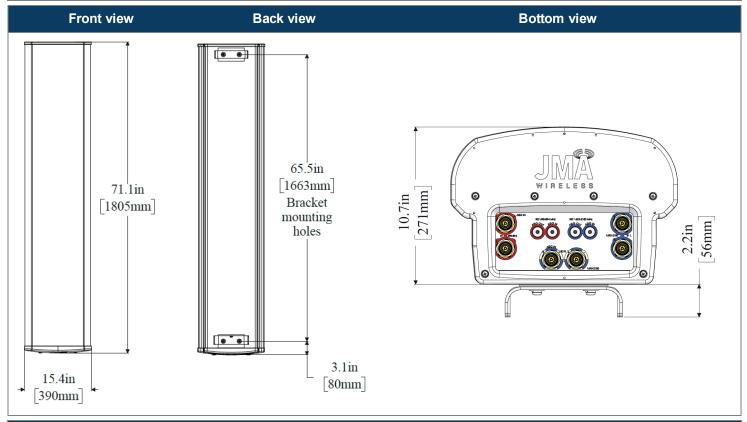
¹ Typical value over frequency and tilt



MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

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



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



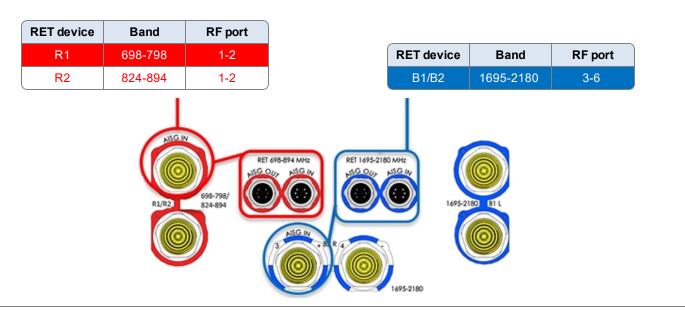
MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

| Remote electrical tilt (RET 1000) information | | |
|---|---|--|
| RET location | Integrated into antenna | |
| RET interface connector type | 8-pin AISG connector per IEC 60130-9 | |
| RET connector torque | Min 0.5 N⋅m to max 1.0 N⋅m (hand pressure & finger tight) | |
| RET interface connector quantity | 2 pairs of AISG male/female connectors | |
| RET interface connector location | Bottom of the antenna | |
| Total no. of internal RETs (low bands) | 2 | |
| Total no. of internal RETs (high bands) | 1 | |
| RET input operating voltage, vdc | 10-30 | |
| RET max power consumption, idle state, W | ≤ 2.0 | |
| RET max power consumption, normal operating conditions, W | ≤ 13.0 | |
| RET communication protocol | AISG 2.0 / 3GPP | |

RET and RF connector topology

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

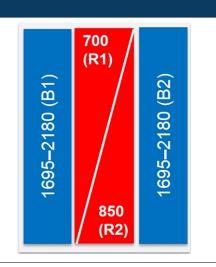


Array topology

3 sets of radiating arrays

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

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

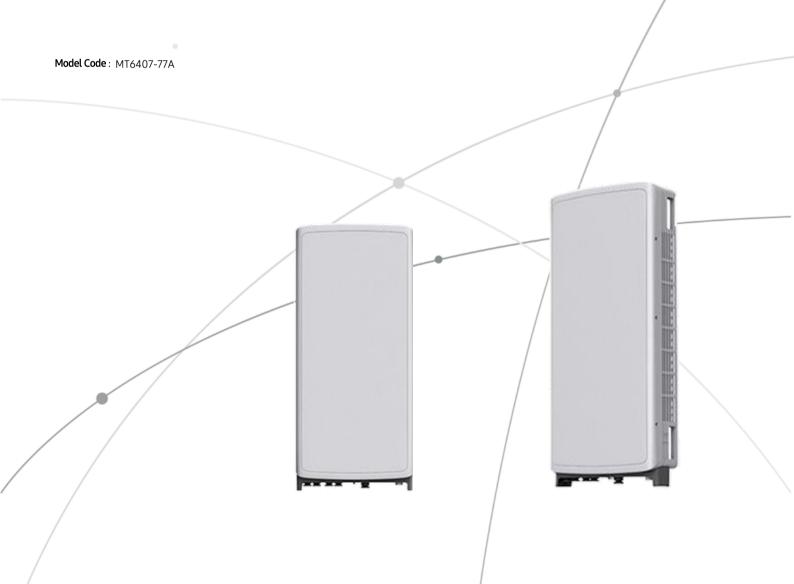


SAMSUNG

SAMSUNG C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

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



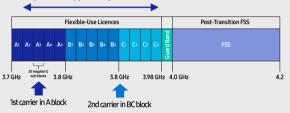
Points of Differentiation

Wide Bandwidth

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

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

C-Band spectrum supported by Massive MIMO Radio



Enhanced Performance

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

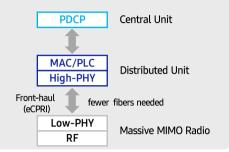
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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



Future Proof Product

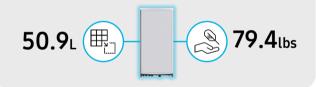
Samsung C-Band 64T64R Massive MIMO radio supports not only CPRI but also eCPRI as front-haul interface. It enables operators can cut down on OPEX/CAPEX by reducing front-haul bandwidth through low layer split and using ethernet based higher efficient line.



Well Matched Design

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

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





Technical Specifications

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



About Samsung Electronics Co., Ltd.

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

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

© 2021 Samsung Electronics Co., Ltd.

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

SAMSUNG

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

RFV01U-D2A

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



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

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

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

Features and Benefits

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

Key Technical Specifications

Duplex Type: FDD Operating Frequencies:

B13: DL(746-756MHz)/UL(777-787MHz) B5: DL(869-894MHz)/UL(824-849MHz) Instantaneous Bandwidth: 10MHz(B13) + 25MHz(B5)

RF Chain: 4T4R/2T4R/2T2R Output Power: Total 320W DU-RU Interface: CPRI (10Gbps) Dimensions: 380 x 380 x 207mm (29.9L)

Weight: 31.9kg Input Power: -48V DC

Operating Temp.: -40 - 55°(w/o solar load)

Cooling: Natural convection

SAMSUNG

Dual-Band Radio Unit AWS/PCS (B66/B2)

RFV01U-D1A

Samsung's RFV01U-D1A is a compact remote Radio Unit (RU) designed for deployments that require flexibility in installation and rapid onlining, without compromising on coverage, capacity or operational expenses.



The RFV01U-D1A RU targets dual-band support across Band 66 (AWS) and Band 2 (PCS), making it an ideal product for broad coverage footprints across multiple common mid-range frequencies.

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

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

Features and Benefits

- Dual-band support for broad frequency coverage
- Minimal footprint reduces site costs
- Rapid, easy installation
- Flexibly deployable in any location
- Remote RF monitoring capability
- Convection cooled, silent operation
- Built-in Broadcast Auxiliary Services (BAS) filter ensures compliant AWS operation without impacting footprint

Key Technical Specifications

Duplex Type: FDD Operating Frequencies:

B66: DL(2,110-2,180MHz)/UL(1,710-1,780MHz) B2: DL(1,930-1,990MHz)/UL(1,850-1,910MHz)

Instantaneous Bandwidth:

70MHz(B66) + 60MHz(B2)

RF Chain: 4T4R/2T4R/2T2R Output Power: Total 320W DU-RU Interface: CPRI (10Gbps)

Dimensions: 380 x 380 x 255mm (36.8L)

Weight: 38.3kg

Input Power: -48V DC

Operating Temp.: -40 - 55°(w/o solar load)

Cooling: Natural convection

ATTACHMENT 3

| | General | Power | Density | | | | | |
|-------------------------------|------------|-----------|---------|---------|---------------------|----------------------|-----------------|--------|
| Site Name: Madison | | | | | | | | |
| Tower Height: Verizon @ 170ft | | | | | | | | |
| CARRIER | # OF CHAN. | WATTS ERP | HEIGHT | FREQ. | CALC. POWER DENS | MAX. PERMISS.EXP. | FRACTION MPE | Total |
| *T-Mobile | 2 | 592 | 130 | 600 | 0.027691875 | 0.4 | 0.69% | |
| *T-Mobile | 2 | 649 | 130 | 700 | | 0.46666667 | 0.65% | |
| *T-Mobile | 4 | 1102 | 130 | 1900 | 0.103096101 | 1 | 1.03% | |
| *T-Mobile | 2 | 2204 | 130 | 1900 | 0.103096101 | 1 | 1.03% | |
| *T-Mobile | 2 | 2589 | 130 | 2100 | 0.121105174 | 1 | 1.21% | |
| *Fire Company | 1 | 100 | 180 | 46.06 | 0.001187806 | 0.2 | 0.06% | |
| *Police Dept | 1 | 100 | 180 | 453.5 | 0.0012 | 0.3023 | 0.04% | |
| *AT&T | 1 | 566 | 140 | 850 | 0.0113 | 0.5667 | 0.20% | |
| *AT&T | 1 | 6311 | 140 | 1900 | 0.1264 | 1.0000 | 1.26% | |
| *AT&T | 1 | 921 | 140 | 850 | 0.0184 | 0.5667 | 0.33% | |
| *AT&T | 1 | 921 | 140 | 850 | 0.0184 | 0.5667 | 0.33% | |
| *AT&T | 1 | 7114 | 140 | 2100 | 0.1425 | 1.0000 | 1.42% | |
| *AT&T | 1 | 1423 | 140 | 737 | 0.0285 | 0.4913 | 0.58% | |
| *Sprint | 1 | 438 | 150 | 850 | 0.0076 | 0.5667 | 0.13% | |
| *Sprint | 2 | 438 | 150 | 850 | 0.0152 | 0.5667 | 0.27% | |
| *Sprint | 5 | 623 | 150 | 1900 | 0.0540 | 1.0000 | 0.54% | |
| *Sprint | 2 | 1556 | 150 | 1900 | 0.0540 | 1.0000 | 0.54% | |
| *Sprint | 8 | 778 | 150 | 2500 | 0.1079 | 1.0000 | 1.08% | |
| *Nextel | 9 | 100 | 160 | 851 | 0.0136 | 0.5673 | 0.24% | |
| VZW 700 | 4 | 966 | 170 | 751 | 0.0048 | 0.5007 | 0.96% | |
| VZW CDMA | 2 | 447 | 170 | 877.26 | 0.0011 | 0.5848 | 0.19% | |
| VZW Cellular | 4 | 944 | 170 | 874 | 0.0047 | 0.5827 | 0.81% | |
| VZW PCS | 4 | 1476 | 170 | 1975 | 0.0073 | 1.0000 | 0.73% | |
| VZW AWS | 4 | 2316 | 170 | 2120 | 0.0115 | 1.0000 | 1.15% | |
| VZW CBAND | 2 | 6531 | 170 | 3730.08 | 0.0325 | 1.0000 | 3.25% | |
| | | | | | | | | 18.739 |

ATTACHMENT 4



Report Date: January 13, 2022

Client: On Air Engineering, LLC

88 Foundry Pond Road Cold Spring, NY 10516 Attn: David Weinpahl, P.E.

(201) 456-4624

dweinpahl@onaireng.com

Structure: Existing 180-ft Self Support Tower

Verizon Site Name: MADISON CT **Site Address:** 864 Opening Hill Rd

City, County, State: Madison, New Haven County, CT

Latitude, Longitude: 41.3573138, -72.638756

PJF Project: A42921-0018.003.8700

Paul J. Ford and Company is pleased to submit this "Structural Analysis Report" to determine the tower stress level.

Analysis Criteria:

This analysis utilizes an ultimate 3-second gust wind speed of 140 mph (converted to an equivalent 108 mph nominal 3-second gust wind speed per Section 1609.3.1 for use with TIA-222 G) as required by the 2018 Connecticut State Building Code and Appendix N. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Proposed Appurtenance Loads:

The structure was analyzed with the proposed loading configuration shown in Table 1 combined with the other considered equipment shown in Table 2 of this report.

Summary of Analysis Results:

Existing Structure: Pass – 59.6% Existing Foundation: Pass – 46.0%

We at Paul J. Ford and Company appreciate the opportunity of providing our continuing professional services to you and On Air Engineering, LLC. If you have any questions or need further assistance on this or any other projects, please give us a call.

Respectfully Submitted by: Paul J. Ford and Company

John Fawcett Structural Designer jfawcett@pauljford.com

AKT



TABLE OF CONTENTS

1) INTRODUCTION

2) ANALYSIS CRITERIA

Table 1 - Proposed Equipment Configuration Table 2 - Other Considered Equipment

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided 3.1) Analysis Method 3.2) Assumptions

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)
Table 5 - Tower Component Stresses vs. Capacity
4.1) Recommendations

5) APPENDIX A

tnxTower Output

6) APPENDIX B

Base Level Drawing

7) APPENDIX C

Additional Calculations

1) INTRODUCTION

This tower is a 180-ft self-support tower design by Rohn per the last structural analysis by American Tower Corporation. All information regarding tower geometry and foundations were taken from this analysis as no manufacturer drawings or tower mapping were provided.

2) ANALYSIS CRITERIA

TIA-222 Revision: TIA-222-G

Risk Category:

Ultimate Wind Speed: 140 mph Nominal Wind Speed: 108 mph

Exposure Category:

Topographic Factor:

Ice Thickness:

Wind Speed with Ice:

Service Wind Speed:

B

0.75 in

50 mph

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) |
|------------------------|-------------------------------------|--------------------------|-------------------------------|-----------------------------------|----------------------------|------------------------|
| | | 3 | andrew | LNX-6514DS-A1M w/ Mount Pipe | | |
| | | 3 | jma wireless | 91900314-02 SBS Bracket | | |
| | | 6 | jma wireless | MX06FRO660-03 w/ Mount Pipe | | |
| | | 1 | raycap | RVZDC-6627-PF-48 | 6 | 1-5/8 |
| 168.75 | 170.0 | 3 | samsung telecommunications | B2/B66A RRH-BR049 (RFV01U-D1A) | 2 | 1-1/4 |
| | | 3 | samsung telecommunications | B5/B13 RRH-BR04C (RFV01U- D2A) | | hybrid |
| | | 3 | samsung telecommunications | MT6407-77A w/ Mount Pipe | | |
| | | 3 | tower mounts | Rohn 6'x15' Boom Gate | | |

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) | | | | |
|------------------------|-------------------------------------|--------------------------|-------------------------|------------------------------|----------------------------------|---------------------------|-------------|---------------------------|---|-----|
| 180.0 | 186.0 | 1 | miscl | 12' 4-Bay Dipole | 1 | 7/8 | | | | |
| | 187.0 | 1 | miscl | 20' x 3" omni whip | | | | | | |
| 177.0 | 177.0 | 177.0 | 177 O | 177.0 | 177.0 | 1 | tower mount | 6' sidearm (Vacant Mount) | 2 | 7/8 |
| | | 1 | tower mount | Side Arm Mount | | | | | | |
| | | 9 | ericsson | RRUS-11 | | | | | | |
| 150.0 | 150.0 | 150.0 | | rfs celwave | APXVSPP18-C-A20 w/ Mount Pipe | 4 | 1-1/4 | | | |
| | | 3 | rfs celwave | APXVTM14-C-120 w/ Mount Pipe | | | | | | |
| | | 3 | tower mount | 14' Sector Mount | | | | | | |

| Mounting Level (ft) | Center Line Elevation (ft) | Number of Antennas | Antenna Manufacturer | Antenna Model | Number of Feed Lines | Feed Line Size (in) | | | |
|------------------------|-------------------------------------|------------------------------|---------------------------|------------------------------|----------------------------|---------------------------|---------|-------------|---------------------------------------|
| | | | 3 | cci antennas | HPA65R-BU6AA w/ Mount Pipe | | | | |
| | | 6 | ericsson | RRUS-11 | | | | | |
| | | 3 | kathrein | 80010965 w/ Mount Pipe | | | | | |
| 140.0 | 140.0 | 3 | powerwave technologies | 7770.00 w/ Mount Pipe | 2 12 | 3/8 1-1/4 | | | |
| | | 6 | powerwave technologies | LGP1720X | 4 | 3/4 | | | |
| | | 2 | raycap | DC6-48-60-18-8F | | | | | |
| | | 3 tower mount 14' Sector Mou | | 14' Sector Mount | | | | | |
| | 130.0 | | 3 | ems wireless | RR90-17-DP | | | | |
| | | 3 | ericsson | KRY 112 71/2 | | | | | |
| 130.0 | | 130.0 | 130.0 | 130.0 | 3 | ericsson | RRUS-11 | 12 | 1-5/8 |
| 130.0 | | | | | 130.0 | 130.0 | 3 | rfs celwave | APXVAARR24_43-U-NA20 w/ Mount Pipe |
| | | 3 | tower mount | 12' sector mount | | | | | |
| 120.0 | 122.0 | 1 | miscl | 4' x 1-3/4" omni whip | 1 | 7/8 | | | |
| 120.0 | 120.0 | 1 | tower mount | 6' Side Arm Mount | | 1/0 | | | |
| 108.0 | 108.0 | 1 | miscl | 12" x 12" x 12" Junction Box | 3 | 1-1/4 | | | |
| 90.0 | 95.0 | 1 | miscl | 10' 4-bay dipole | 1 | 7/8 | | | |
| 90.0 | 90.0 | 1 | tower mount | 6' Side Arm Mount | | 1/6 | | | |
| 86.0 | 88.0 | 1 | miscl | 4' x 1-3/4" omni whip | 1 | 7/0 | | | |
| 00.0 | 86.0 | 1 | tower mount | 6' Side Arm Mount |] ' | 7/8 | | | |
| 55.0 | 55.0 | 1 | gps | GPS | 1 | 1/2 | | | |
| 55.0 | 55.0 | | tower mount | 3' Side Arm Mount | 1 | 1/2 | | | |

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

| Document | Remarks | Reference | Source |
|------------------------------|--|-----------------|-----------------------|
| Structural Analysis Report | American Tower, 7/18/2019 | 383660 | On Air Engineering |
| Structural Analysis Report | All-Points Technology, 10/21/2020 | CT656100 | On Air Engineering |
| RFDS | Verizon, 11/24/2021 | 16092583 | On Air Engineering |
| FAA 2-C Survey Certification | Martinez Couch and Associates, LLC, 5/12/2021 | - | On Air Engineering |
| Construction Drawings | On Air Engineering, 12/29/2021 | - | On Air Engineering |
| Mount Analysis Report | Maser, 1/11/2022 | 21777866A Rev 2 | On Air Engineering |

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.

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.
- 3) At the time of analysis, foundation information and a site-specific geotechnical report were not available. However, the structural analysis report, referenced in Table 3, referred to the original foundation design drawings and geotechnical report. Assuming the previous structural analysis is correct, we have analyzed the foundation.
- 4) Per assumption three, the original ROHN foundation design was not provided. If these documents are available, please provide them. The structural analysis by American Tower Corporation, dated 7/18/2019, specifically referenced the Rohn Foundation Drawings, hence, the foundation parameters from that analysis are assumed to be the most accurate and have been used in our analysis.
- 5) The APT Structural Analysis Report, dated 10/17/2020, only provides the tnx tower profile page, E-1 to provide member sizes. Based on that information, the tnx tower profile page, E-1, from our report utilized the same member sizes as the APT report. Any information not available in the APT report was obtained from the structural analysis from American Tower Corporation, dated 7/18/2019, which referenced the original Rohn tower drawings.

This analysis may be affected if any assumptions are not valid or have been made in error. Paul J. Ford and Company 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 | P (K) | SF*P_allow (K) | % Capacity | Pass / Fail |
|----------------|----------------|----------------|---------------------------------|---------------------|---------|-------------------|------------------|-------------|
| T1 | 180 - 160 | Leg | Pipe 3.5" x 0.216" (3 STD) | 3 | -7.73 | 75.60 | 10.2 | Pass |
| T2 | 160 - 140 | Leg | Pipe 4.5" x 0.337" (4 XS) | 42 | -26.63 | 169.40 | 15.7 | Pass |
| Т3 | 140 - 120 | Leg | Pipe 5.563" x 0.375" (5 EH) | 80 | -60.29 | 252.79 | 23.8 | Pass |
| T4 | 120 - 100 | Leg | Pipe 6.625" x 0.340" (6 EHS) | 119 | -97.36 | 289.63 | 33.6 | Pass |
| T 5 | 100 - 80 | Leg | Pipe 8.625" x 0.375" (8 EHS) | 158 | -127.29 | 407.78 | 31.2 | Pass |
| Т6 | 80 - 60 | Leg | Pipe 8.625" x 0.500" (8 XS) | 184 | -162.37 | 533.61 | 30.4 33.4 (b) | Pass |
| Т7 | 60 - 40 | Leg | Pipe 8.625" x 0.500" (8 XS) | 211 | -197.80 | 533.61 | 37.1 | Pass |
| Т8 | 40 - 20 | Leg | Pipe 10.75" x 0.500" (10 XS) | 238 | -232.85 | 704.40 | 33.1 | Pass |
| Т9 | 20 - 0 | Leg | Pipe 10.75" x 0.500" (10 XS) | 265 | -267.30 | 704.40 | 37.9 | Pass |
| T1 | 180 - 160 | Diagonal | Pipe 2.375" x 0.154" (2 STD) | 11 | -4.81 | 19.32 | 24.9 | Pass |
| T2 | 160 - 140 | Diagonal | Pipe 2.375" x 0.218" (2 XS) | 47 | -6.50 | 21.65 | 30.0 | Pass |
| Т3 | 140 - 120 | Diagonal | Pipe 2.375" x 0.218" (2 XS) | 86 | -9.80 | 18.50 | 53.0 | Pass |
| T4 | 120 - 100 | Diagonal | Pipe 2.875" x 0.203" (2.5 STD) | 125 | -9.73 | 27.83 | 35.0 | Pass |

| Section No. | Elevation (ft) | Component Type | Size | Critical Element | P (K) | SF*P_allow (K) | % Capacity | Pass / Fail |
|----------------|----------------|----------------|---------------------------------|---------------------|--------|--------------------------|------------------|-------------|
| T5 | 100 - 80 | Diagonal | Pipe 3.5" x 0.216" (3 STD) | 164 | -12.16 | 32.33 | 37.6 | Pass |
| Т6 | 80 - 60 | Diagonal | Pipe 3.5" x 0.216" (3 STD) | 191 | -12.52 | 28.78 | 43.5 | Pass |
| T 7 | 60 - 40 | Diagonal | Pipe 3.5" x 0.216" (3 STD) | 218 | -12.88 | 25.65 | 50.2 | Pass |
| Т8 | 40 - 20 | Diagonal | Pipe 3.5" x 0.216" (3 STD) | 249 | -13.20 | 23.29 | 56.7 | Pass |
| T9 | 20 - 0 | Diagonal | Pipe 3.5" x 0.300" (3 XS) | 276 | -13.66 | 26.89 | 50.8 | Pass |
| T 1 | 180 - 160 | Horizontal | Pipe 1.9" x 0.145" (1.5 STD) | 10 | -2.71 | 23.80 | 11.4 | Pass |
| T2 | 160 - 140 | Horizontal | Pipe 1.9" x 0.145" (1.5 STD) | 46 | -4.05 | 20.26 | 20.0 | Pass |
| Т3 | 140 - 120 | Horizontal | Pipe 1.9" x 0.145" (1.5 STD) | 85 | -6.77 | 15.17 | 44.6 | Pass |
| T4 | 120 - 100 | Horizontal | Pipe 2.375" x 0.154" (2 STD) | 124 | -7.22 | 23.14 | 31.2 | Pass |
| T 5 | 100 - 80 | Horizontal | Pipe 2.375" x 0.154" (2 STD) | 163 | -8.06 | 19.01 | 42.4 | Pass |
| Т6 | 80 - 60 | Horizontal | Pipe 2.375" x 0.154" (2 STD) | 190 | -8.75 | 14.68 | 59.6 | Pass |
| Т7 | 60 - 40 | Horizontal | Pipe 2.875" x 0.203" (2.5 STD) | 217 | -9.38 | 26.82 | 35.0 38.3 (b) | Pass |
| Т8 | 40 - 20 | Horizontal | Pipe 2.875" x 0.203" (2.5 STD) | 247 | -9.94 | 22.20 | 44.8 | Pass |
| T 9 | 20 - 0 | Horizontal | Pipe 3.5" x 0.216" (3 STD) | 274 | -10.52 | 36.29 | 29.0 43.5 (b) | Pass |
| T 1 | 180 - 160 | Top Girt | Pipe 1.9" x 0.145" (1.5 STD) | 4 | -0.16 | 23.80 | 0.7 | Pass |
| T1 | 180 - 160 | Inner Bracing | L 2 x 2 x 1/8 | 37 | -0.00 | 6.84 | 0.7 | Pass |
| T2 | 160 - 140 | Inner Bracing | L 2 x 2 x 1/8 | 54 | -0.01 | 5.09 | 0.8 | Pass |
| Т3 | 140 - 120 | Inner Bracing | L 2 x 2 x 1/8 | 93 | -0.01 | 3.47 | 0.9 | Pass |
| T4 | 120 - 100 | Inner Bracing | L 2 x 2 x 1/8 | 130 | -0.01 | 2.52 | 1.0 | Pass |
| T5 | 100 - 80 | Inner Bracing | L 2 x 2 x 1/8 | 171 | -0.01 | 1.99 | 1.1 | Pass |
| Т6 | 80 - 60 | Inner Bracing | L 2.5 x 2.5 x 3/16 | 196 | -0.01 | 4.49 | 0.8 | Pass |
| T7 | 60 - 40 | Inner Bracing | L 3 x 3 x 3/16 | 223 | -0.01 | 6.32 | 0.9 | Pass |
| T8 | 40 - 20 | Inner Bracing | L 3.5 x 3.5 x 1/4 | 250 | -0.02 | 10.88 | 0.7 | Pass |
| T 9 | 20 - 0 | Inner Bracing | L 3.5 x 3.5 x 1/4 | 277 | -0.02 | 9.08 | 0.7 | Pass |
| | | | | | | | Summary | |
| | | | | | | Leg (T9) | 37.9 | Pass |
| | | | | | | Diagonal (T8) | 56.7 | Pass |
| | | | | | | Horizontal (T6) | 59.6 | Pass |
| | | | | | | Top Girt (T1) | 0.7 | Pass |
| | | | | | | Inner Bracing (T5) | 1.1 | Pass |
| | | | | | | Bolt Checks | 41.4 | Pass |
| | | | | | | Rating = | 59.6 | Pass |

Table 5 - Tower Component Stresses vs. Capacity

| Notes | Component | Elevation (ft) | % Capacity | Pass / Fail |
|-------|------------------------------------|----------------|------------|-------------|
| 1 | Anchor Rods | 0 | 36.2 | Pass |
| 1 | Base Foundation (Structure) | 0 | 9.3 | Pass |
| 1 | Base Foundation (Soil Interaction) | 0 | 46.0 | Pass |

| Structure Rating (max from all components) = | 59.6% |
|--|-------|
| | |

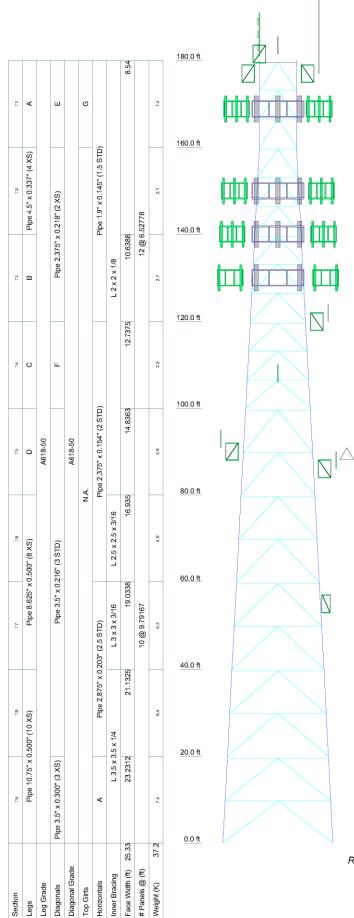
Notes:

4.1) Recommendations

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

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

APPENDIX A TNXTOWER OUTPUT



Legs

SYMBOL LIST

| | 02 | | |
|------|------------------------------|------|--------------------------------|
| MARK | SIZE | MARK | SIZE |
| Α | Pipe 3.5" x 0.216" (3 STD) | E | Pipe 2.375" x 0.154" (2 STD) |
| В | Pipe 5.563" x 0.375" (5 EH) | F | Pipe 2.875" x 0.203" (2.5 STD) |
| С | Pipe 6.625" x 0.340" (6 EHS) | G | Pipe 1.9" x 0.145" (1.5 STD) |
| D | Pine 8 625" x 0 375" (8 EHS) | | |

MATERIAL STRENGTH

| GRADE | Fy | Fu | GRADE | Fy | Fu |
|---------|--------|--------|-------|----|----|
| A618-50 | 50 ksi | 70 ksi | | | |

TOWER DESIGN NOTES

- Tower is located in New Haven County, Connecticut.
 Tower designed for Exposure B to the TIA-222-G Standard.
 Tower designed for a 108 mph basic wind in accordance with the TIA-222-G Standard.
- Tower is also designed for a 50 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.

- Deflections are based upon a 60 mph wind.
 Tower Structure Class III.
 Topographic Category 1 with Crest Height of 0.00 ft
 TOWER RATING: 59.6%

ALL REACTIONS ARE FACTORED

MAX. CORNER REACTIONS AT BASE:

DOWN: 283 K SHEAR: 34 K

UPLIFT: -246 K SHEAR: 31 K

> AXIAL 194 K

MOMENT SHEAR 17 K 1840 kip-ft

TORQUE 12 kip-ft 50 mph WIND - 0.75 in ICE

> AXIAL 67 K MOMENT

SHEAR 58 K 5811 kip-ft

TORQUE 64 kip-ft REACTIONS - 108 mph WIND



Paul J. Ford and Company 250 E. Broad St., Ste 600

Columbus, OH 43215 Phone: 614-221-6679 FAX:

| Job: Existing 180-ft SST / Madison, CT | | | | | | | |
|--|----------------|------------|--|--|--|--|--|
| Project: PSLC 469121 / PJF 4 | 2921-0018 | | | | | | |
| Client: On Air Engineering | Drawn by: JMF | App'd: | | | | | |
| Code: TIA-222-G | Date: 01/13/22 | Scale: NTS | | | | | |
| Path: | ' | Dwg No. F_ | | | | | |

Tower Input Data

The main tower is a 3x free standing tower with an overall height of 180.00 ft above the ground line.

The base of the tower is set at an elevation of 0.00 ft above the ground line.

The face width of the tower is 8.54 ft at the top and 25.33 ft at the base.

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

The following design criteria apply:

- Tower is located in New Haven County, Connecticut.
- ASCE 7-10 Wind Data is used (wind speeds converted to nominal values).
- Basic wind speed of 108 mph.
- Structure Class III.
- Exposure Category B.
- Topographic Category 1.
- Crest Height 0.00 ft.
- Nominal ice thickness of 0.75 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.
- Deflections calculated using a wind speed of 60 mph.
- Pressures are calculated at each section.
- Stress ratio used in tower member design is 1.
- 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

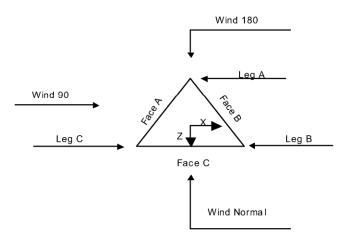
- Sort Capacity Reports By Component
- Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs

- Use ASCE 10 X-Brace Ly Rules

 √ Calculate Redundant Bracing Forces
- Ignore Redundant 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-G Bracing Resist.
 Exemption
 Use TIA-222-G Tension Splice
 Exemption

Poles

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



Triangular Tower

| Tower Section | Tower Elevation | Assembly Database | Description | Section Width | Number of | Section Length |
|------------------|--------------------|----------------------|-------------|------------------|--------------|-------------------|
| | | | | | Sections | • |
| | ft | | | ft | | ft |
| T 1 | 180.00-160.00 | | | 8.54 | 1 | 20.00 |
| T2 | 160.00-140.00 | | | 8.54 | 1 | 20.00 |
| T3 | 140.00-120.00 | 10.64 | 1 | 20.00 | | |
| T4 | 120.00-100.00 | | | 12.74 | 1 | 20.00 |
| T5 | 100.00-80.00 | | | 14.84 | 1 | 20.00 |
| T 6 | 80.00-60.00 | | | 16.94 | 1 | 20.00 |
| T7 | 60.00-40.00 | | | 19.03 | 1 | 20.00 |
| T8 | 40.00-20.00 | | | 21.13 | 1 | 20.00 |
| T9 | 20.00-0.00 | | | 23.23 | 1 | 20.00 |

Tower Section Geometry (cont'd)

| Tower | Tower | Diagonal | Bracing | Has | Has | Top Girt | Bottom Girt |
|------------|---------------|----------|--------------|---------|-------------|----------|-------------|
| Section | Elevation | Spacing | Type | K Brace | Horizontals | Offset | Offset |
| | | | | End | | | |
| | ft | ft | | Panels | | in | in |
| T 1 | 180.00-160.00 | 6.53 | K Brace Down | No | Yes | 5.00 | 0.00 |
| T2 | 160.00-140.00 | 6.53 | K Brace Down | No | Yes | 5.00 | 0.00 |
| T3 | 140.00-120.00 | 6.53 | K Brace Down | No | Yes | 5.00 | 0.00 |
| T4 | 120.00-100.00 | 6.53 | K Brace Down | No | Yes | 5.00 | 0.00 |
| T5 | 100.00-80.00 | 9.79 | K Brace Down | No | Yes | 5.00 | 0.00 |
| T6 | 80.00-60.00 | 9.79 | K Brace Down | No | Yes | 5.00 | 0.00 |
| T 7 | 60.00-40.00 | 9.79 | K Brace Down | No | Yes | 5.00 | 0.00 |
| T8 | 40.00-20.00 | 9.79 | K Brace Down | No | Yes | 5.00 | 0.00 |
| T9 | 20.00-0.00 | 9.79 | K Brace Down | No | Yes | 5.00 | 0.00 |

| Tower | Leg | Leg | Leg | Diagonal | Diagonal | Diagonal |
|----------------|------|-----------------------------|----------|----------|-----------------------------|----------|
| Elevation | Type | Size | Grade | Type | Size | Grade |
| ft | | | | | | |
| T1 180.00- | Pipe | Pipe 3.5" x 0.216" (3 STD) | A618-50 | Pipe | Pipe 2.375" x 0.154" (2 | A618-50 |
| 160.00 | | | (50 ksi) | | STD) | (50 ksi) |
| T2 160.00- | Pipe | Pipe 4.5" x 0.337" (4 XS) | A618-50 | Pipe | Pipe 2.375" x 0.218" (2 XS) | A618-50 |
| 140.00 | | | (50 ksi) | | | (50 ksi) |
| T3 140.00- | Pipe | Pipe 5.563" x 0.375" (5 EH) | A618-50 | Pipe | Pipe 2.375" x 0.218" (2 XS) | A618-50 |
| 120.00 | | | (50 ksi) | | | (50 ksi) |
| T4 120.00- | Pipe | Pipe 6.625" x 0.340" (6 | A618-50 | Pipe | Pipe 2.875" x 0.203" (2.5 | A618-50 |
| 100.00 | | EHS) | (50 ksi) | | STD) | (50 ksi) |
| T5 100.00- | Pipe | Pipe 8.625" x 0.375" (8 | A618-50 | Pipe | Pipe 3.5" x 0.216" (3 STD) | A618-50 |
| 80.00 | | EHS) | (50 ksi) | | | (50 ksi) |
| T6 80.00-60.00 | Pipe | Pipe 8.625" x 0.500" (8 XS) | A618-50 | Pipe | Pipe 3.5" x 0.216" (3 STD) | A618-50 |
| | | | (50 ksi) | | | (50 ksi) |
| T7 60.00-40.00 | Pipe | Pipe 8.625" x 0.500" (8 XS) | A618-50 | Pipe | Pipe 3.5" x 0.216" (3 STD) | A618-50 |
| | | | (50 ksi) | | | (50 ksi) |
| T8 40.00-20.00 | Pipe | Pipe 10.75" x 0.500" (10 | A618-50 | Pipe | Pipe 3.5" x 0.216" (3 STD) | A618-50 |
| | | XS) | (50 ksi) | | | (50 ksi) |
| T9 20.00-0.00 | Pipe | Pipe 10.75" x 0.500" (10 | A618-50 | Pipe | Pipe 3.5" x 0.300" (3 XS) | A618-50 |
| | | XS) | (50 ksi) | | | (50 ksi) |

Tower Section Geometry (cont'd)

| Tower | No. | Mid Girt | Mid Girt | Mid Girt | Horizontal | Horizontal | Horizontal |
|----------------|-------|----------|----------|----------|------------|-----------------------|------------|
| Elevation | of | Type | Size | Grade | Type | Size | Grade |
| | Mid | | | | | | |
| ft | Girts | | | | | | |
| T1 180.00- | None | Pipe | | A618-50 | Pipe | Pipe 1.9" x 0.145" | A618-50 |
| 160.00 | | | | (50 ksi) | | (1.5 STD) | (50 ksi) |
| T2 160.00- | None | Pipe | | A618-50 | Pipe | Pipe 1.9" x 0.145" | A618-50 |
| 140.00 | | | | (50 ksi) | | (1.5 STD) | (50 ksi) |
| T3 140.00- | None | Pipe | | A618-50 | Pipe | Pipe 1.9" x 0.145" | A618-50 |
| 120.00 | | | | (50 ksi) | | (1.5 STD) | (50 ksi) |
| T4 120.00- | None | Pipe | | A618-50 | Pipe | Pipe 2.375" x 0.154" | A618-50 |
| 100.00 | | | | (50 ksi) | | (2 STD) | (50 ksi) |
| T5 100.00- | None | Pipe | | A618-50 | Pipe | Pipe 2.375" x 0.154" | A618-50 |
| 80.00 | | | | (50 ksi) | | (2 STD) | (50 ksi) |
| T6 80.00-60.00 | None | Pipe | | A618-50 | Pipe | Pipe 2.375" x 0.154" | A618-50 |
| | | | | (50 ksi) | | (2 STD) | (50 ksi) |
| T7 60.00-40.00 | None | Pipe | | A618-50 | Pipe | Pipe 2.875" x 0.203" | A618-50 |
| | | | | (50 ksi) | | (2.5 STD) | (50 ksi) |
| T8 40.00-20.00 | None | Pipe | | A618-50 | Pipe | Pipe 2.875" x 0.203" | A618-50 |
| | | | | (50 ksi) | | (2.5 STD) | (50 ksi) |
| T9 20.00-0.00 | None | Pipe | | A618-50 | Pipe | Pipe 3.5" x 0.216" (3 | A618-50 |
| | | | | (50 ksi) | | STD) | (50 ksi) |

Tower Section Geometry (cont'd)

| Tower Elevation | Secondary Horizontal Type | Secondary Horizontal Size | Secondary Horizontal Grade | Inner Bracing Type | Inner Bracing Size | Inner Bracing Grade |
|-----------------------------|------------------------------|------------------------------|----------------------------------|-----------------------|--------------------|------------------------|
| ft T1 180.00- | Pipe | | A618-50 | Single Angle | L 2 x 2 x 1/8 | A36 |
| 160.00 | Fipe | | (50 ksi) | Single Angle | L Z X Z X 1/0 | (36 ksi) |
| T2 160.00- 140.00 | Pipe | | A618-50 (50 ksi) | Single Angle | L 2 x 2 x 1/8 | A36 (36 ksi) |
| T3 140.00- 120.00 | Pipe | | A618-50 (50 ksi) | Single Angle | L 2 x 2 x 1/8 | (36 ksi) (36 ksi) |

| Tower Elevation | Secondary Horizontal Type | Secondary Horizontal Size | Secondary Horizontal Grade | Inner Bracing Type | Inner Bracing Size | Inner Bracing Grade |
|----------------------|------------------------------|------------------------------|----------------------------------|-----------------------|--------------------|--------------------------------|
| ft | | | Grade | | | |
| T4 120.00- 100.00 | Pipe | | A618-50 (50 ksi) | Single Angle | L 2 x 2 x 1/8 | A36 (36 ksi) |
| T5 100.00- 80.00 | Pipe | | À618-50 (50 ksi) | Single Angle | L 2 x 2 x 1/8 | `A36 [′] (36 ksi) |
| T6 80.00-60.00 | Pipe | | À618-50 (50 ksi) | Single Angle | L 2.5 x 2.5 x 3/16 | `A36 [′] (36 ksi) |
| T7 60.00-40.00 | Pipe | | À618-50 (50 ksi) | Single Angle | L 3 x 3 x 3/16 | `A36 [′] (36 ksi) |
| T8 40.00-20.00 | Pipe | | À618-50 (50 ksi) | Single Angle | L 3.5 x 3.5 x 1/4 | ` A36 [′] (36 ksi) |
| T9 20.00-0.00 | Pipe | | À618-50 (50 ksi) | Single Angle | L 3.5 x 3.5 x 1/4 | A36 (36 ksi) |

| Tower Elevation | Gusset Area (per face) | Gusset Thickness | Gusset Grade | Adjust. Factor A _f | Adjust. Factor A _r | Weight Mult. | Double Angle Stitch Bolt Spacing Diagonals | Double Angle Stitch Bolt Spacing Horizontals | Double Angle Stitch Bolt Spacing Redundants |
|----------------------|------------------------------|---------------------|-------------------------------|----------------------------------|-------------------------------------|--------------|---|---|--|
| ft | ft ² | in | | | | | in | in | in |
| T1 180.00- 160.00 | 0.00 | 0.38 | A36 (36 ksi) | 1 | 1 | 1.1 | 0.00 | 0.00 | 36.00 |
| T2 160.00- 140.00 | 0.00 | 0.38 | A36 (36 ksi) | 1 | 1 | 1.1 | 36.00 | 36.00 | 36.00 |
| T3 140.00- 120.00 | 0.00 | 0.38 | A36 (36 ksi) | 1 | 1 | 1.1 | 36.00 | 36.00 | 36.00 |
| T4 120.00- 100.00 | 0.00 | 0.38 | A36 (36 ksi) | 1 | 1 | 1.1 | 0.00 | 0.00 | 36.00 |
| T5 100.00- 80.00 | 0.00 | 0.38 | A36 ((36 ksi) | 1 | 1 | 1.1 | 36.00 | 36.00 | 36.00 |
| T6 80.00- 60.00 | 0.00 | 0.38 | A36 ((36 ksi) | 1 | 1 | 1.1 | 36.00 | 36.00 | 36.00 |
| T7 60.00- 40.00 | 0.00 | 0.38 | `A36 [′] (36 ksi) | 1 | 1 | 1.1 | 36.00 | 36.00 | 36.00 |
| T8 40.00- 20.00 | 0.00 | 0.38 | `A36 [′] (36 ksi) | 1 | 1 | 1.1 | 36.00 | 36.00 | 36.00 |
| T9 20.00-0.00 | 0.00 | 0.38 | A36 (36 ksi) | 1 | 1 | 1.1 | 36.00 | 36.00 | 36.00 |

Tower Section Geometry (cont'd)

| | | | | | | K Fad | ctors¹ | | | |
|--------------------|---------------------|--------------------|------|---------------------|---------------------|-----------------|--------|--------|----------------|----------------|
| Tower Elevation | Calc K Single | Calc K Solid | Legs | X Brace Diags | K Brace Diags | Single Diags | Girts | Horiz. | Sec. Horiz. | Inner Brace |
| | Angles | Rounds | | X | X | X | X | X | X | X |
| ft | | | | ΥΥ | Υ | Y | Υ | Y | Υ | Υ |
| T1 180.00- | Yes | No | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 160.00 | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| T2 160.00- | Yes | No | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 140.00 | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| T3 140.00- | Yes | No | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 120.00 | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| T4 120.00- | Yes | No | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 100.00 | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| T5 100.00- | Yes | No | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 80.00 | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| T6 80.00- | Yes | No | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 60.00 | | · · · - | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | | 0-1- | K Factors ¹ | | | | | | | | | | |
|-------------|---------------------|--------------------|------------------------|---------------------|---------------------|-----------------|-------|--------|----------------|----------------|--|--|--|
| Elevation K | Calc K Single | Calc K Solid | Legs | X Brace Diags | K Brace Diags | Single Diags | Girts | Horiz. | Sec. Horiz. | Inner Brace | | | |
| | Angles | Rounds | | x | x | X | X | X | X | X | | | |
| ft | · · | | | Y | Y | Y | Y | Y | Y | Y | | | |
| T7 60.00- | Yes | No | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 40.00 | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| T8 40.00- | Yes | No | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 20.00 | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| T9 20.00- | Yes | No | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 0.00 | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |

¹Note: K factors are applied to member segment lengths. K-braces without inner supporting members will have the K factor in the out-of-plane direction applied to the overall length.

Tower Section Geometry (cont'd)

| Tower Elevation ft | Leg | | Diagonal | | Top Gi | Top Girt | | Bottom Girt | | Mid Girt | | Long Horizontal | | orizontal |
|--------------------------|---------------------------|---|------------------------------|---|---------------------------|----------|------------------------------|-------------|------------------------------|----------|------------------------------|-----------------|------------------------------|-----------|
| | Net Width Deduct in | U | Net Width Deduct in | U | Net Width Deduct in | U | Net Width Deduct in | U | Net Width Deduct in | U | Net Width Deduct in | U | Net Width Deduct in | U |
| T1 180.00- 160.00 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 1 | 0.00 | 0.75 |
| T2 160.00- 140.00 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 1 | 0.00 | 0.75 |
| T3 140.00- 120.00 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 |
| T4 120.00- 100.00 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 1 | 0.00 | 0.75 |
| T5 100.00- 80.00 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 1 | 0.00 | 0.75 |
| T6 80.00- | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 1 | 0.00 | 0.75 |
| T7 60.00- 40.00 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 1 | 0.00 | 0.75 |
| T8 40.00- 20.00 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 1 | 0.00 | 0.75 |
| T9 20.00-0.00 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 1 | 0.00 | 0.75 |

| Tower Elevation ft | | | Redundant Diagonal | | | Redundant Sub- Diagonal | | Redundant Sub- Horizontal | | Redundant Vertical | | ant Hip | Redunda Diago | |
|--------------------------|---------------------------|------|------------------------------|------|---------------------------|----------------------------|------------------------------|------------------------------|------------------------------|-----------------------|------------------------------|---------|------------------------------|------|
| | Net Width Deduct in | U | Net Width Deduct in | U | Net Width Deduct in | U | Net Width Deduct in | U | Net Width Deduct in | U | Net Width Deduct in | U | Net Width Deduct in | U |
| T1 180.00- 160.00 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |
| T2 160.00- 140.00 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |
| T3 140.00- 120.00 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |
| T4 120.00- 100.00 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |
| T5 100.00- 80.00 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |
| T6 80.00- 60.00 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |
| T7 60.00- 40.00 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |
| T8 40.00- 20.00 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |
| T9 20.00-0.00 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |

| Tower | Leg | Leg | | Diagor | nal | Top G | irt | Bottom | Girt | Mid G | irt | Long Horizontal | | Shor | t |
|---------------|------------|-----------|-----|-----------|-----|-----------|-----|-----------|------|-----------|-----|-----------------|-----|-----------|------|
| Elevation | Connection | | | | | | | | | | | | | Horizoi | ntal |
| ft | Type | | | | | | | | | | | | | | |
| | | Bolt Size | No. | Bolt Size | No. | Bolt Size | No. | Bolt Size | No. |
| | | in | | in | | in | | in | | in | | in | | in | |
| T1 180.00- | Flange | 0.88 | 4 | 0.63 | 3 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.63 | 2 | 0.00 | 0 |
| 160.00 | | A325N | | A325N | | A325N | | A325N | | A325N | | A325N | | A325N | |
| T2 160.00- | Flange | 1.00 | 4 | 0.63 | 3 | 0.00 | 0 | 0.00 | 0 | 0.63 | 0 | 0.63 | 2 | 0.63 | 0 |
| 140.00 | | A325N | | A325N | | A325N | | A325N | | A325N | | A325N | | A325N | |
| T3 140.00- | Flange | 1.00 | 6 | 0.63 | 3 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.63 | 2 | 0.00 | 0 |
| 120.00 | | A325N | | A325N | | A325N | | A325N | | A325N | | A325N | | A325N | |
| T4 120.00- | Flange | 1.00 | 8 | 0.63 | 3 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.63 | 2 | 0.00 | 0 |
| 100.00 | | A325N | | A325N | | A325N | | A325N | | A325N | | A325N | | A325N | |
| T5 100.00- | Flange | 1.00 | 8 | 0.63 | 3 | 0.00 | 0 | 0.00 | 0 | 0.63 | 0 | 0.63 | 2 | 0.63 | 0 |
| 80.00 | | A325N | | A325N | | A325N | | A325N | | A325N | | A325N | | A325N | |
| T6 80.00- | Flange | 1.00 | 8 | 0.63 | 3 | 0.00 | 0 | 0.00 | 0 | 0.63 | 0 | 0.63 | 2 | 0.63 | 0 |
| 60.00 | | A325N | | A325N | | A325N | | A325N | | A325N | | A325N | | A325N | |
| T7 60.00- | Flange | 1.00 | 12 | 0.63 | 3 | 0.00 | 0 | 0.00 | 0 | 0.63 | 0 | 0.63 | 2 | 0.63 | 0 |
| 40.00 | | A325N | | A325N | | A325N | | A325N | | A325N | | A325N | | A325N | |
| T8 40.00- | Flange | 1.00 | 12 | 0.63 | 3 | 0.00 | 0 | 0.00 | 0 | 0.63 | 0 | 0.63 | 2 | 0.63 | 0 |
| 20.00 | | A325N | | A325N | | A325N | | A325N | | A325N | | A325N | | A325N | |
| T9 20.00-0.00 | Flange | 1.00 | 0 | 0.63 | 3 | 0.00 | 0 | 0.00 | 0 | 0.63 | 0 | 0.63 | 2 | 0.63 | 0 |
| | | A354-BC | | A325N | | A325N | | A325N | | A325N | | A325N | | A325N | |

Feed Line/Linear Appurtenances - Entered As Round Or Flat

| Description | or | Allow Shield | Exclude From | t | Placement | Face Offset | Lateral Offset | # | | | Diameter | Perimete r | Weight |
|--|-----|-----------------|-----------------------|-----------|------------------|----------------|-------------------|---|-----|---------------|----------|---------------|--------|
| | Leg | | Torque Calculation | Type | ft | in | (Frac FW) | | Row | g in | in | in | plf |
| **First SA loading** | | | Carcaration | | | | | | | | | | |
| 1.5" flat Cable Ladder Rail | Α | No | No | Af (CaAa) | 173.30 - 0.00 | 0.00 | 0.4 | 2 | 2 | 24.00 1.50 | 1.50 | | 1.80 |
| LDF7-50A (1 5/8" foam) | Α | No | No | Ar (CaAa) | 170.00 - 0.00 | 0.00 | 0.4 | 6 | 6 | 0.50 1.98 | 1.98 | | 0.92 |
| HYBRID(1- 1/4) *** | Α | No | No | Ar (CaAa) | 170.00 - 0.00 | 0.00 | 0.4 | 2 | 2 | 1.25 | 1.25 | | 1.00 |
| *** *** | | | | | | | | | | | | | |
| 1.5" flat Cable Ladder Rail *** | Α | No | No | Af (CaAa) | 131.00 - 0.00 | 0.00 | -0.4 | 2 | 2 | 24.00 1.50 | 1.50 | | 1.80 |
| 1.5" flat Cable Ladder Rail *** | В | No | No | Af (CaAa) | 166.70 - 0.00 | 0.00 | 0.35 | 2 | 2 | 24.00 1.50 | 1.50 | | 1.80 |
| 1.5" flat Cable Ladder Rail *** | В | No | No | Af (CaAa) | 166.70 - 0.00 | 0.00 | -0.4 | 2 | 2 | 24.00 1.50 | 1.50 | | 1.80 |
| 1.5" flat Cable Ladder Rail | С | No | No | Af (CaAa) | 160.00 - 0.00 | 0.00 | -0.4 | 2 | 2 | 24.00 1.50 | 1.50 | | 1.80 |

| Description | Face or | Allow Shield | Exclude From | Componen t | Placement | Face Offset | Lateral Offset | # | # Per | Clear | Width or Diameter | Perimete r | Weight |
|--------------------|------------|-----------------|-----------------|---------------|------------------|----------------|-------------------|----|----------|---------|----------------------|---------------|--------|
| | Leg | Siliela | Torque | Type | ft | in | (Frac FW) | | Row | • | in | , | plf |
| | Leg | | Calculation | туре | 11 | "" | (I rac I vv) | | NOW | g in | "" | in | ρıı |
| **second SA | | | | | | | | | | | | | |
| loading*** | | | | | | | | | | | | | |
| Safety Line 3/8 | С | No | No | Ar (CaAa) | 180.00 - 5.00 | 0.00 | -0.5 | 1 | 1 | 0.38 | 0.38 | | 0.22 |
| LDF7-50A (1 | В | No | No | Ar (CaAa) | 130.00 - | 0.00 | -0.38 | 12 | 6 | 0.50 | 1.98 | | 0.92 |
| 5/8" foam) | 0 | 140 | 140 | Ai (CaAa) | 5.00 | 0.00 | -0.30 | 12 | O | 0.50 | 1.30 | | 0.32 |
| LDF6-50 (1 | В | No | No | Ar (CaAa) | 130.00 - | 0.00 | -0.42 | 3 | 3 | 0.75 | 1.55 | | 0.66 |
| 1/4" foam) | _ | 110 | 140 | , (Ga, .a) | 5.00 | 0.00 | 0.12 | Ü | Ü | 1.55 | 1.00 | | 0.00 |
| LDF6-50 (1 | В | No | No | Ar (CaAa) | 140.00 - | 0.00 | 0.3 | 12 | 12 | 0.75 | 1.55 | | 0.66 |
| 1/4" foam) | | | | , , | 5.00 | | | | | 1.55 | | | |
| 3/4" power | В | No | No | Ar (CaAa) | 140.00 - | 0.00 | 0.36 | 4 | 4 | 0.71 | 0.71 | | 0.30 |
| · | | | | , , | 5.00 | | | | | | | | |
| LDF2-50 | В | No | No | Ar (CaAa) | 140.00 - | 6.00 | 0.36 | 2 | 2 | 0.44 | 0.44 | | 0.08 |
| (3/8" foam) | | | | | 5.00 | | | | | | | | |
| LDF5-50A | Α | No | No | Ar (CaAa) | 86.00 - | 0.00 | -0.27 | 1 | 1 | 1.09 | 1.09 | | 0.33 |
| (7/8" foam) | | | | | 5.00 | | | | | | | | |
| LDF5-50A | Α | No | No | Ar (CaAa) | 90.00 - | 0.00 | -0.29 | 1 | 1 | 1.09 | 1.09 | | 0.33 |
| (7/8" foam) | | | | | 5.00 | | | | | | | | |
| LDF5-50A | Α | No | No | Ar (CaAa) | 120.00 - | 0.00 | -0.31 | 1 | 1 | 1.09 | 1.09 | | 0.33 |
| (7/8" foam) | | | | | 5.00 | | | | | | | | |
| LDF5-50A | Α | No | No | Ar (CaAa) | 177.00 - | 0.00 | -0.37 | 2 | 2 | 1.09 | 1.09 | | 0.33 |
| (7/8" foam) | | | | | 5.00 | | | | | | | | |
| LDF4-50A | Α | No | No | Ar (CaAa) | 55.00 - | 3.00 | -0.34 | 1 | 1 | 0.63 | 0.63 | | 0.15 |
| (1/2" foam) | | | | | 5.00 | | | | | | | | |
| LDF5-50A | Α | No | No | Ar (CaAa) | 180.00 - | 0.00 | -0.4 | 1 | 1 | 1.09 | 1.09 | | 0.33 |
| (7/8" foam) | | | | | 5.00 | | | | | | | | |
| LDF6-50 (1 | Α | No | No | Ar (CaAa) | 150.00 - | 0.00 | -0.34 | 3 | 3 | 0.75 | 1.55 | | 0.66 |
| 1/4" foam) | | | | | 5.00 | | | | | 1.55 | | | |
| LDF6-50 (1 | Α | No | No | Ar (CaAa) | 150.00 - | 0.00 | -0.25 | 1 | 1 | 0.75 | 1.55 | | 0.66 |
| 1/4" foam) *** | | | | | 5.00 | | | | | 1.55 | | | |

| | | | Disc | rete Tov | ver Loa | ds | | | |
|---------------------------------------|-------------------|----------------|-------------------------------------|---------------------------|-----------|---------------------------------|--|---------------------------------------|----------------------|
| Description | Face or Leg | Offset Type | Offsets: Horz Lateral Vert | Azimuth Adjustmen t | Placement | | C _A A _A Front | C _A A _A Side | Weight |
| | | | ft ft ft | ۰ | ft | | ft² | ft² | К |
| 2.375" x 7' Safety Climb Extension | A | From Leg | 0.00 0.00 3.50 | 0.000 | 180.00 | No Ice 1/2" Ice 1" Ice | 1.72 2.48 2.96 | 1.72 2.48 2.96 | 0.02 0.04 0.05 |
| 2.375" OD x 3' Mount Pipe | С | From Leg | 0.00 0.00 1.50 | 0.000 | 180.00 | No Ice 1/2" Ice 1" Ice | 0.58 0.77 0.97 | 0.58 0.77 0.97 | 0.03 0.03 0.04 |
| 12' 4-Bay Dipole | С | From Leg | 0.00 0.00 6.00 | 0.000 | 180.00 | No Ice 1/2" Ice 1" Ice | 4.00 6.00 8.00 | 4.00 6.00 8.00 | 0.06 0.10 0.14 |
| Side Arm Mount | В | From Leg | 3.00 0.00 0.00 | 0.000 | 177.00 | No Ice 1/2" Ice 1" Ice | 0.41 0.81 1.23 | 3.06 5.10 7.20 | 0.05 0.08 0.12 |
| 20' x 3" omni whip | В | From Leg | 6.00 0.00 10.00 | 0.000 | 177.00 | No Ice 1/2" Ice 1" Ice | 3.56 7.13 10.70 | 3.56 7.13 10.70 | 0.02 0.05 0.07 |
| 6' sidearm (Vacant Mount) | С | From Leg | 3.00 0.00 0.00 | 0.000 | 177.00 | No Ice 1/2" Ice | 0.41 0.81 1.23 | 3.06 5.10 7.20 | 0.05 0.08 0.12 |

| Description | Face or Leg | Offset Type | Offsets: Horz Lateral Vert | Azimuth Adjustmen t | Placement | | C _A A _A Front | C _A A _A Side | Weight |
|------------------------------------|-------------------|----------------|-------------------------------------|---------------------------|-----------|---------------------------------|--|---------------------------------------|----------------------|
| | | | ft ft ft | ۰ | ft | | ft² | ft² | Κ |
| *** | | | | | | 1" Ice | | | |
| Rohn 6'x15' Boom Gate | Α | From Leg | 2.00 0.00 0.00 | 0.000 | 168.75 | No Ice 1/2" Ice 1" Ice | 19.20 27.70 36.20 | 14.80 22.00 29.20 | 0.36 0.54 0.71 |
| Rohn 6'x15' Boom Gate | В | From Leg | 2.00 0.00 0.00 | 0.000 | 168.75 | No Ice 1/2" Ice 1" Ice | 19.20 27.70 36.20 | 14.80 22.00 29.20 | 0.36 0.54 0.71 |
| Rohn 6'x15' Boom Gate | С | From Leg | 2.00 0.00 0.00 | 0.000 | 168.75 | No Ice 1/2" Ice 1" Ice | 19.20 27.70 36.20 | 14.80 22.00 29.20 | 0.36 0.54 0.71 |
| (2) MX06FRO660-03 w/ Mount Pipe | Α | From Leg | 4.00 0.00 1.25 | 0.000 | 168.75 | No Ice 1/2" Ice 1" Ice | 10.11 10.68 11.22 | 8.99 10.15 11.03 | 0.10 0.19 0.29 |
| (2) MX06FRO660-03 w/ Mount Pipe | В | From Leg | 4.00 0.00 1.25 | 0.000 | 168.75 | No Ice 1/2" Ice 1" Ice | 10.11 10.68 11.22 | 8.99 10.15 11.03 | 0.10 0.19 0.29 |
| (2) MX06FRO660-03 w/ Mount Pipe | С | From Leg | 4.00 0.00 1.25 | 0.000 | 168.75 | No Ice 1/2" Ice 1" Ice | 10.11 10.68 11.22 | 8.99 10.15 11.03 | 0.10 0.19 0.29 |
| MT6407-77A w/ Mount Pipe | Α | From Leg | 4.00 0.00 1.25 | 0.000 | 168.75 | No Ice 1/2" Ice 1" Ice | 4.91 5.26 5.61 | 2.68 3.14 3.62 | 0.10 0.14 0.18 |
| MT6407-77A w/ Mount Pipe | В | From Leg | 4.00 0.00 1.25 | 0.000 | 168.75 | No Ice 1/2" Ice 1" Ice | 4.91 5.26 5.61 | 2.68 3.14 3.62 | 0.10 0.14 0.18 |
| MT6407-77A w/ Mount Pipe | С | From Leg | 4.00 0.00 1.25 | 0.000 | 168.75 | No Ice 1/2" Ice 1" Ice | 4.91 5.26 5.61 | 2.68 3.14 3.62 | 0.10 0.14 0.18 |
| LNX-6514DS-A1M w/ Mount Pipe | Α | From Leg | 4.00 0.00 1.25 | 0.000 | 168.75 | No Ice 1/2" Ice 1" Ice | 8.41 8.97 9.50 | 7.08 8.27 9.18 | 0.06 0.13 0.21 |
| LNX-6514DS-A1M w/ Mount Pipe | В | From Leg | 4.00 0.00 1.25 | 0.000 | 168.75 | No Ice 1/2" Ice 1" Ice | 8.41 8.97 9.50 | 7.08 8.27 9.18 | 0.06 0.13 0.21 |
| LNX-6514DS-A1M w/ Mount Pipe | С | From Leg | 4.00 0.00 1.25 | 0.000 | 168.75 | No Ice 1/2" Ice 1" Ice | 8.41 8.97 9.50 | 7.08 8.27 9.18 | 0.06 0.13 0.21 |
| 91900314-02 SBS Bracket | Α | From Leg | 4.00 0.00 1.25 | 0.000 | 168.75 | No Ice 1/2" Ice 1" Ice | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.03 0.05 0.07 |
| 91900314-02 SBS Bracket | В | From Leg | 4.00 0.00 1.25 | 0.000 | 168.75 | No Ice 1/2" Ice 1" Ice | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.03 0.05 0.07 |
| 91900314-02 SBS Bracket | С | From Leg | 4.00 0.00 1.25 | 0.000 | 168.75 | No Ice 1/2" Ice 1" Ice | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.03 0.05 0.07 |
| RVZDC-6627-PF-48 | Α | From Leg | 4.00 0.00 1.25 | 0.000 | 168.75 | No Ice 1/2" Ice | 3.79 4.04 4.30 | 2.51 2.73 2.95 | 0.03 0.06 0.10 |

| Description | Face or | Offset Type | Offsets: Horz | Azimuth Adjustmen | Placement | | $C_A A_A$ Front | $C_A A_A$ Side | Weight |
|---|------------|----------------|------------------|----------------------|-----------|------------------|-----------------|--------------------|--------------|
| | Leg | | Lateral Vert | t | | | | | |
| | | | ft ft | ٠ | ft | | ft ² | ft ² | K |
| | | | ft | | | 1" Ice | | | |
| B2/B66A RRH-BR049 | Α | From Leg | 4.00 | 0.000 | 168.75 | No Ice | 1.88 | 1.25 | 0.08 |
| (RFV01U-D1A) | | · · | 0.00 | | | 1/2" | 2.05 | 1.39 | 0.10 |
| | | | 1.25 | | | Ice 1" Ice | 2.22 | 1.54 | 0.12 |
| B2/B66A RRH-BR049 | В | From Leg | 4.00 | 0.000 | 168.75 | No Ice | 1.88 | 1.25 | 0.08 |
| (RFV01U-D1A) | _ | | 0.00 | 0.000 | 100170 | 1/2" | 2.05 | 1.39 | 0.10 |
| , | | | 1.25 | | | Ice | 2.22 | 1.54 | 0.12 |
| B2/B66A RRH-BR049 | С | From Leg | 4.00 | 0.000 | 168.75 | 1" Ice No Ice | 1.88 | 1.25 | 0.08 |
| (RFV01U-D1A) | C | i ioni Leg | 0.00 | 0.000 | 100.73 | 1/2" | 2.05 | 1.39 | 0.00 |
| (************************************** | | | 1.25 | | | Ice | 2.22 | 1.54 | 0.12 |
| | | | | | | 1" Ice | | | |
| B5/B13 RRH-BR04C (RFV01U-D2A) | Α | From Leg | 4.00 0.00 | 0.000 | 168.75 | No Ice 1/2" | 1.88 2.05 | 1.01 1.14 | 0.07 0.09 |
| (RFV010-D2A) | | | 1.25 | | | lce | 2.05 | 1.14 | 0.09 |
| | | | 1.20 | | | 1" Ice | 2.22 | 1.20 | 0.11 |
| B5/B13 RRH-BR04C | В | From Leg | 4.00 | 0.000 | 168.75 | No Ice | 1.88 | 1.01 | 0.07 |
| (RFV01U-D2A) | | | 0.00 | | | 1/2" | 2.05 | 1.14 | 0.09 |
| | | | 1.25 | | | lce 1" lce | 2.22 | 1.28 | 0.11 |
| B5/B13 RRH-BR04C | С | From Leg | 4.00 | 0.000 | 168.75 | No Ice | 1.88 | 1.01 | 0.07 |
| (RFV01U-D2A) | | | 0.00 | | | 1/2" | 2.05 | 1.14 | 0.09 |
| | | | 1.25 | | | Ice | 2.22 | 1.28 | 0.11 |
| *** | | | | | | 1" Ice | | | |
| APXVSPP18-C-A20 w/ | Α | From Leg | 4.00 | 0.000 | 150.00 | No Ice | 8.26 | 7.47 | 0.09 |
| Mount Pipe | | J | 0.00 | | | 1/2" | 8.82 | 8.66 | 0.16 |
| | | | 0.00 | | | Ice | 9.35 | 9.56 | 0.24 |
| APXVSPP18-C-A20 w/ | В | From Leg | 4.00 | 0.000 | 150.00 | 1" Ice No Ice | 8.26 | 7.47 | 0.09 |
| Mount Pipe | В | i ioni Leg | 0.00 | 0.000 | 130.00 | 1/2" | 8.82 | 8.66 | 0.03 |
| | | | 0.00 | | | Ice | 9.35 | 9.56 | 0.24 |
| ADVA/000040 0 A00 / | 0 | | 4.00 | 0.000 | 450.00 | 1" Ice | 0.00 | 7 47 | 0.00 |
| APXVSPP18-C-A20 w/ Mount Pipe | С | From Leg | 4.00 0.00 | 0.000 | 150.00 | No Ice 1/2" | 8.26 8.82 | 7.47 8.66 | 0.09 0.16 |
| Would be | | | 0.00 | | | Ice | 9.35 | 9.56 | 0.10 |
| | | | | | | 1" Ice | | | |
| APXVTM14-C-120 w/ | Α | From Leg | 4.00 | 0.000 | 150.00 | No Ice | 6.58 | 4.96 | 0.08 |
| Mount Pipe | | | 0.00 0.00 | | | 1/2" Ice | 7.03 7.47 | 5.75 6.47 | 0.13 0.19 |
| | | | 0.00 | | | 1" Ice | 1.41 | 0.47 | 0.19 |
| APXVTM14-C-120 w/ | В | From Leg | 4.00 | 0.000 | 150.00 | No Ice | 6.58 | 4.96 | 0.08 |
| Mount Pipe | | | 0.00 | | | 1/2" | 7.03 | 5.75 | 0.13 |
| | | | 0.00 | | | Ice 1" Ice | 7.47 | 6.47 | 0.19 |
| APXVTM14-C-120 w/ | С | From Leg | 4.00 | 0.000 | 150.00 | No Ice | 6.58 | 4.96 | 0.08 |
| Mount Pipe | | ŭ | 0.00 | | | 1/2" | 7.03 | 5.75 | 0.13 |
| | | | 0.00 | | | Ice | 7.47 | 6.47 | 0.19 |
| (3) RRUS-11 | Α | From Leg | 4.00 | 0.000 | 150.00 | 1" Ice No Ice | 2.79 | 1.19 | 0.05 |
| (5) 1(1(55-1) | ^ | 1 Tolli Leg | 0.00 | 0.000 | 130.00 | 1/2" | 3.00 | 1.34 | 0.07 |
| | | | 0.00 | | | Ice | 3.21 | 1.50 | 0.09 |
| (2) DDI 10 44 | В | Fuerra Lear | 4.00 | 0.000 | 150.00 | 1" Ice | 2.70 | 1.19 | 0.05 |
| (3) RRUS-11 | В | From Leg | 0.00 | 0.000 | 150.00 | No Ice 1/2" | 2.79 3.00 | 1.19 | 0.05 |
| | | | 0.00 | | | Ice | 3.21 | 1.50 | 0.09 |
| (0) 55110 44 | | | 4.00 | | 4=0.00 | 1" Ice | | | |
| (3) RRUS-11 | С | From Leg | 4.00 0.00 | 0.000 | 150.00 | No Ice 1/2" | 2.79 3.00 | 1.19 1.34 | 0.05 0.07 |
| | | | 0.00 | | | Ice | 3.21 | 1.50 | 0.07 |
| | | | | | | 1" Ice | | | |
| 14' Sector Mount | Α | From Leg | 2.00 | 0.000 | 150.00 | No Ice | 17.35 | 13.30 | 0.35 |
| | | | 0.00 0.00 | | | 1/2" Ice | 25.55 33.75 | 20.35 27.40 | 0.50 0.65 |
| | | | 5.00 | | | 100 | 55.75 | _r. + U | 0.00 |

| Description | Face or | Offset Type | Offsets: Horz Lateral | Azimuth Adjustmen t | Placement | | C _A A _A Front | C _A A _A Side | Weight |
|---|------------|----------------|-----------------------------|---------------------------|-------------|---------------------------------|--|---------------------------------------|----------------------|
| | Leg | | Vert ft ft | | ft | | ft² | ft² | К |
| | | | ft | | | | | | |
| 14' Sector Mount | В | From Leg | 2.00 | 0.000 | 150.00 | 1" Ice No Ice | 17.35 | 13.30 | 0.35 |
| 14 Sector Mount | Б | r rom Leg | 0.00 0.00 | 0.000 | 130.00 | 1/2" Ice 1" Ice | 25.55 33.75 | 20.35 27.40 | 0.50 0.65 |
| 14' Sector Mount | С | From Leg | 2.00 0.00 0.00 | 0.000 | 150.00 | No Ice 1/2" Ice 1" Ice | 17.35 25.55 33.75 | 13.30 20.35 27.40 | 0.35 0.50 0.65 |
| *** | | | | | | 1 100 | | | |
| 80010965 w/ Mount Pipe | Α | From Leg | 4.00 0.00 0.00 | 0.000 | 140.00 | No Ice 1/2" Ice | 14.05 14.69 15.30 | 7.63 8.90 9.96 | 0.14 0.23 0.34 |
| | _ | | | | | 1" Ice | | | |
| 80010965 w/ Mount Pipe | В | From Leg | 4.00 0.00 0.00 | 0.000 | 140.00 | No Ice 1/2" Ice | 14.05 14.69 15.30 | 7.63 8.90 9.96 | 0.14 0.23 0.34 |
| 80010965 w/ Mount Pipe | С | From Leg | 4.00 | 0.000 | 140.00 | 1" Ice No Ice | 14.05 | 7.63 | 0.14 |
| ood 103003 W/ Wildum 1 ipe | Ü | r rom Log | 0.00 0.00 | 0.000 | 140.00 | 1/2" Ice 1" Ice | 14.69 15.30 | 8.90 9.96 | 0.23 0.34 |
| cci antennas HPA65R- | Α | From Leg | 4.00 | 0.000 | 140.00 | No Ice | 8.09 | 7.19 | 0.08 |
| BU6AA w/ Mount Pipe | | | 0.00 | 5.555 | , , , , , , | 1/2" Ice 1" Ice | 8.64 9.16 | 8.36 9.24 | 0.15 0.22 |
| cci antennas HPA65R- | В | From Leg | 4.00 | 0.000 | 140.00 | No Ice | 8.09 | 7.19 | 0.08 |
| BU6AA w/ Mount Pipe | | ű | 0.00 0.00 | | | 1/2" Ice 1" Ice | 8.64 9.16 | 8.36 9.24 | 0.15 0.22 |
| cci antennas HPA65R- BU6AA w/ Mount Pipe | С | From Leg | 4.00 0.00 0.00 | 0.000 | 140.00 | No Ice 1/2" Ice | 8.09 8.64 9.16 | 7.19 8.36 9.24 | 0.08 0.15 0.23 |
| | | | 0.00 | | | 1" Ice | 9.10 | 9.24 | 0.23 |
| 7770.00 w/ Mount Pipe | Α | From Leg | 4.00 | 0.000 | 140.00 | No Ice | 5.75 | 4.25 | 0.06 |
| | | | 0.00 0.00 | | | 1/2" Ice 1" Ice | 6.18 6.61 | 5.01 5.71 | 0.10 0.16 |
| 7770.00 w/ Mount Pipe | В | From Leg | 4.00 | 0.000 | 140.00 | No Ice | 5.75 | 4.25 | 0.06 |
| | | | 0.00 0.00 | | | 1/2" Ice 1" Ice | 6.18 6.61 | 5.01 5.71 | 0.10 0.16 |
| 7770.00 w/ Mount Pipe | С | From Leg | 4.00 | 0.000 | 140.00 | No Ice | 5.75 | 4.25 | 0.06 |
| | | | 0.00 0.00 | | | 1/2" Ice 1" Ice | 6.18 6.61 | 5.01 5.71 | 0.10 0.16 |
| (2) LGP1720X | Α | From Leg | 4.00 | 0.000 | 140.00 | No Ice | 1.67 | 0.45 | 0.03 |
| | | | 0.00 0.00 | | | 1/2" Ice 1" Ice | 1.83 2.00 | 0.55 0.65 | 0.04 0.06 |
| (2) LGP1720X | В | From Leg | 4.00 | 0.000 | 140.00 | No Ice | 1.67 | 0.45 | 0.03 |
| | | | 0.00 0.00 | | | 1/2" Ice 1" Ice | 1.83 2.00 | 0.55 0.65 | 0.04 0.06 |
| (2) LGP1720X | С | From Leg | 4.00 0.00 | 0.000 | 140.00 | No Ice 1/2" | 1.67 1.83 | 0.45 0.55 | 0.03 0.04 |
| | | | 0.00 | | | Ice 1" Ice | 2.00 | 0.65 | 0.06 |
| (2) RRUS-11 | Α | From Leg | 4.00 | 0.000 | 140.00 | No Ice | 2.79 | 1.19 | 0.05 |
| | | | 0.00 0.00 | | | 1/2" Ice 1" Ice | 3.00 3.21 | 1.34 1.50 | 0.07 0.09 |
| (2) RRUS-11 | В | From Leg | 4.00 | 0.000 | 140.00 | No Ice | 2.79 | 1.19 | 0.05 |
| | | | 0.00 0.00 | | | 1/2" Ice | 3.00 3.21 | 1.34 1.50 | 0.07 0.09 |

| Description | Face | Offset | Offsets: | Azimuth | Placement | | $C_A A_A$ | $C_A A_A$ | Weight |
|---------------------------------------|-----------|----------|-------------------------|----------------|-----------|---------------------------------|-------------------------|-------------------------|----------------------|
| Босоприон | or Leg | Туре | Horz Lateral Vert | Adjustmen t | ridoement | | Front | Side | Worgin |
| | | | ft ft ft | ٥ | ft | | ft² | ft² | K |
| (2) RRUS-11 | С | From Leg | 4.00 | 0.000 | 140.00 | 1" Ice No Ice | 2.79 | 1.19 | 0.05 |
| (2) 111.00 | Ü | rrom Log | 0.00 | 0.000 | 110.00 | 1/2" Ice 1" Ice | 3.00 3.21 | 1.34 1.50 | 0.07 0.09 |
| DC6-48-60-18-8F | Α | From Leg | 4.00 0.00 0.00 | 0.000 | 140.00 | No Ice 1/2" Ice 1" Ice | 1.21 1.89 2.11 | 1.21 1.89 2.11 | 0.03 0.05 0.08 |
| DC6-48-60-18-8F | С | From Leg | 4.00 0.00 0.00 | 0.000 | 140.00 | No Ice 1/2" Ice 1" Ice | 1.21 1.89 2.11 | 1.21 1.89 2.11 | 0.03 0.05 0.08 |
| 14' Sector Mount | Α | From Leg | 2.00 0.00 0.00 | 0.000 | 140.00 | No Ice 1/2" Ice 1" Ice | 17.35 25.55 33.75 | 13.30 20.35 27.40 | 0.35 0.50 0.65 |
| 14' Sector Mount | В | From Leg | 2.00 0.00 0.00 | 0.000 | 140.00 | No Ice 1/2" Ice 1" Ice | 17.35 25.55 33.75 | 13.30 20.35 27.40 | 0.35 0.50 0.65 |
| 14' Sector Mount | С | From Leg | 2.00 0.00 0.00 | 0.000 | 140.00 | No Ice 1/2" Ice 1" Ice | 17.35 25.55 33.75 | 13.30 20.35 27.40 | 0.35 0.50 0.65 |
| *** | _ | | | | | | | | |
| APXVAARR24_43-U-NA20 w/ Mount Pipe | Α | From Leg | 4.00 0.00 0.00 | 0.000 | 130.00 | No Ice 1/2" Ice 1" Ice | 20.48 21.23 21.99 | 11.02 12.55 14.10 | 0.19 0.32 0.47 |
| APXVAARR24_43-U-NA20 w/ Mount Pipe | В | From Leg | 4.00 0.00 0.00 | 0.000 | 130.00 | No Ice 1/2" Ice 1" Ice | 20.48 21.23 21.99 | 11.02 12.55 14.10 | 0.19 0.32 0.47 |
| APXVAARR24_43-U-NA20 w/ Mount Pipe | С | From Leg | 4.00 0.00 0.00 | 0.000 | 130.00 | No Ice 1/2" Ice 1" Ice | 20.48 21.23 21.99 | 11.02 12.55 14.10 | 0.19 0.32 0.47 |
| RR90-17-DP | Α | From Leg | 4.00 0.00 0.00 | 0.000 | 130.00 | No Ice 1/2" Ice 1" Ice | 4.36 4.70 5.06 | 1.97 2.31 2.66 | 0.02 0.04 0.07 |
| RR90-17-DP | В | From Leg | 4.00 0.00 0.00 | 0.000 | 130.00 | No Ice 1/2" Ice 1" Ice | 4.36 4.70 5.06 | 1.97 2.31 2.66 | 0.02 0.04 0.07 |
| RR90-17-DP | С | From Leg | 4.00 0.00 0.00 | 0.000 | 130.00 | No Ice 1/2" Ice 1" Ice | 4.36 4.70 5.06 | 1.97 2.31 2.66 | 0.02 0.04 0.07 |
| RRUS-11 | Α | From Leg | 4.00 0.00 0.00 | 0.000 | 130.00 | No Ice 1/2" Ice 1" Ice | 2.79 3.00 3.21 | 1.19 1.34 1.50 | 0.05 0.07 0.09 |
| RRUS-11 | В | From Leg | 4.00 0.00 0.00 | 0.000 | 130.00 | No Ice 1/2" Ice 1" Ice | 2.79 3.00 3.21 | 1.19 1.34 1.50 | 0.05 0.07 0.09 |
| RRUS-11 | С | From Leg | 4.00 0.00 0.00 | 0.000 | 130.00 | No Ice 1/2" Ice 1" Ice | 2.79 3.00 3.21 | 1.19 1.34 1.50 | 0.05 0.07 0.09 |
| KRY 112 71/2 | Α | From Leg | 4.00 0.00 0.00 | 0.000 | 130.00 | No Ice 1/2" Ice | 0.58 0.69 0.80 | 0.45 0.54 0.64 | 0.01 0.02 0.03 |

| Description | Face or Leg | Offset Type | Offsets: Horz Lateral Vert | Azimuth Adjustmen t | Placement | | C _A A _A Front | C _A A _A Side | Weight |
|----------------------------------|-------------------|----------------|-------------------------------------|---------------------------|-----------|---|--|---------------------------------------|----------------------|
| | | | ft ft ft | ۰ | ft | | ft² | ft² | Κ |
| KRY 112 71/2 | В | From Leg | 4.00 0.00 0.00 | 0.000 | 130.00 | 1" Ice No Ice 1/2" Ice | 0.58 0.69 0.80 | 0.45 0.54 0.64 | 0.01 0.02 0.03 |
| KRY 112 71/2 | С | From Leg | 4.00 0.00 0.00 | 0.000 | 130.00 | 1" Ice No Ice 1/2" Ice 1" Ice | 0.58 0.69 0.80 | 0.45 0.54 0.64 | 0.01 0.02 0.03 |
| 12' T-frame sector mount | Α | From Leg | 2.00 0.00 0.00 | 0.000 | 130.00 | No Ice 1/2" Ice 1" Ice | 13.20 19.50 25.80 | 9.20 14.60 19.50 | 0.66 0.80 1.01 |
| 12' T-frame sector mount | В | From Leg | 2.00 0.00 0.00 | 0.000 | 130.00 | No Ice 1/2" Ice 1" Ice | 13.20 19.50 25.80 | 9.20 14.60 19.50 | 0.66 0.80 1.01 |
| 12' T-frame sector mount | С | From Leg | 2.00 0.00 0.00 | 0.000 | 130.00 | No Ice 1/2" Ice 1" Ice | 13.20 19.50 25.80 | 9.20 14.60 19.50 | 0.66 0.80 1.01 |
| 2.375" OD x 8' Mount Pipe | Α | From Leg | 4.00 0.00 0.00 | 0.000 | 130.00 | No Ice 1/2" Ice 1" Ice | 1.90 2.73 3.40 | 1.90 2.73 3.40 | 0.03 0.04 0.06 |
| 2.375" OD x 8' Mount Pipe | В | From Leg | 4.00 0.00 0.00 | 0.000 | 130.00 | No Ice 1/2" Ice 1" Ice | 1.90 2.73 3.40 | 1.90 2.73 3.40 | 0.03 0.04 0.06 |
| 2.375" OD x 8' Mount Pipe | С | From Leg | 4.00 0.00 0.00 | 0.000 | 130.00 | No Ice 1/2" Ice 1" Ice | 1.90 2.73 3.40 | 1.90 2.73 3.40 | 0.03 0.04 0.06 |
| *** 6' Side Arm Mount | В | From Leg | 3.00 0.00 0.00 | 0.000 | 120.00 | No Ice 1/2" Ice 1" Ice | 0.41 0.81 1.23 | 3.06 5.10 7.20 | 0.05 0.08 0.12 |
| 4' x 1-3/4" omni whip | В | From Leg | 6.00 0.00 2.00 | 0.000 | 120.00 | No Ice 1/2" Ice 1" Ice | 0.79 1.03 1.28 | 0.79 1.03 1.28 | 0.01 0.01 0.02 |
| *** 12" x 12" x 12" Junction Box | В | None | | 0.000 | 108.00 | No Ice 1/2" Ice 1" Ice | 1.20 1.34 1.48 | 0.80 0.91 1.04 | 0.02 0.03 0.05 |
| 6' Side Arm Mount | С | From Leg | 3.00 0.00 0.00 | 0.000 | 90.00 | No Ice 1/2" Ice 1" Ice | 0.41 0.81 1.23 | 3.06 5.10 7.20 | 0.05 0.08 0.12 |
| 10' 4-bay dipole | С | From Leg | 6.00 0.00 3.00 | 0.000 | 90.00 | No Ice 1/2" Ice 1" Ice | 0.79 1.03 1.28 | 0.79 1.03 1.28 | 0.02 0.03 0.04 |
| *** 6' Side Arm Mount | В | From Leg | 3.00 0.00 0.00 | 0.000 | 86.00 | No Ice 1/2" Ice 1" Ice | 0.41 0.81 1.23 | 3.06 5.10 7.20 | 0.05 0.08 0.12 |
| 4' x 1-3/4" omni whip | В | From Leg | 6.00 0.00 2.00 | 0.000 | 86.00 | No Ice 1/2" Ice 1" Ice | 1.13 1.65 1.99 | 1.13 1.65 1.99 | 0.01 0.02 0.03 |

| Description | Face or Leg | Offset Type | Offsets: Horz Lateral Vert | Azimuth Adjustmen t | Placement | | $C_A A_A$ Front | C _A A _A Side | Weigh |
|-------------------|-------------------|----------------|-------------------------------------|---------------------------|-----------|---|----------------------|---------------------------------------|----------------------|
| | | | ft ft ft | o | ft | | ft² | ft² | К |
| 3' Side Arm Mount | В | From Leg | 1.50 0.00 0.00 | 0.000 | 55.00 | No Ice 1/2" Ice | 0.85 1.14 1.43 | 1.67 2.34 3.01 | 0.07 0.08 0.09 |
| GPS | В | From Leg | 3.00 0.00 0.00 | 0.000 | 55.00 | 1" Ice No Ice 1/2" Ice 1" Ice | 0.14 0.24 0.31 | 0.14 0.24 0.31 | 0.02 0.02 0.02 |
| *** | | | | | | 1 100 | | | |

Load Combinations

| Comb. | Description |
|-------|------------------------------------|
| No. | Description |
| 1 | Dead Only |
| 2 | 1.2 Dead+1.6 Wind 0 deg - No Ice |
| 3 | 0.9 Dead+1.6 Wind 0 deg - No Ice |
| 4 | 1.2 Dead+1.6 Wind 30 deg - No Ice |
| 5 | 0.9 Dead+1.6 Wind 30 deg - No Ice |
| 6 | 1.2 Dead+1.6 Wind 60 deg - No Ice |
| 7 | 0.9 Dead+1.6 Wind 60 deg - No Ice |
| 8 | 1.2 Dead+1.6 Wind 90 deg - No Ice |
| 9 | 0.9 Dead+1.6 Wind 90 deg - No Ice |
| 10 | 1.2 Dead+1.6 Wind 120 deg - No Ice |
| 11 | 0.9 Dead+1.6 Wind 120 deg - No Ice |
| 12 | 1.2 Dead+1.6 Wind 150 deg - No Ice |
| 13 | 0.9 Dead+1.6 Wind 150 deg - No Ice |
| 14 | 1.2 Dead+1.6 Wind 180 deg - No Ice |
| 15 | 0.9 Dead+1.6 Wind 180 deg - No Ice |
| 16 | 1.2 Dead+1.6 Wind 210 deg - No Ice |
| 17 | 0.9 Dead+1.6 Wind 210 deg - No Ice |
| 18 | 1.2 Dead+1.6 Wind 240 deg - No Ice |
| 19 | 0.9 Dead+1.6 Wind 240 deg - No Ice |
| 20 | 1.2 Dead+1.6 Wind 270 deg - No Ice |
| 21 | 0.9 Dead+1.6 Wind 270 deg - No Ice |
| 22 | 1.2 Dead+1.6 Wind 300 deg - No Ice |
| 23 | 0.9 Dead+1.6 Wind 300 deg - No Ice |
| 24 | 1.2 Dead+1.6 Wind 330 deg - No Ice |
| 25 | 0.9 Dead+1.6 Wind 330 deg - No Ice |
| 26 | 1.2 Dead+1.0 Ice |
| 27 | 1.2 Dead+1.0 Wind 0 deg+1.0 Ice |
| 28 | 1.2 Dead+1.0 Wind 30 deg+1.0 Ice |
| 29 | 1.2 Dead+1.0 Wind 60 deg+1.0 Ice |
| 30 | 1.2 Dead+1.0 Wind 90 deg+1.0 Ice |
| 31 | 1.2 Dead+1.0 Wind 120 deg+1.0 Ice |
| 32 | 1.2 Dead+1.0 Wind 150 deg+1.0 Ice |
| 33 | 1.2 Dead+1.0 Wind 180 deg+1.0 Ice |
| 34 | 1.2 Dead+1.0 Wind 210 deg+1.0 Ice |
| 35 | 1.2 Dead+1.0 Wind 240 deg+1.0 Ice |
| 36 | 1.2 Dead+1.0 Wind 270 deg+1.0 Ice |
| 37 | 1.2 Dead+1.0 Wind 300 deg+1.0 Ice |
| 38 | 1.2 Dead+1.0 Wind 330 deg+1.0 Ice |
| 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 |
| | |

| Comb. | Description |
|-------|-----------------------------|
| No. | |
| 48 | Dead+Wind 270 deg - Service |
| 49 | Dead+Wind 300 deg - Service |
| 50 | Dead+Wind 330 deg - Service |

| | D 4' |
|---------------|-------------|
| Mayımıım | Pasctions |
| IVIAXIIIIUIII | Reactions |

| Location | Condition | Gov. | Vertical | Horizontal, X | Horizontal, Z |
|----------|---------------------|-------|----------|---------------|---------------|
| | | Load | K | K | K |
| | | Comb. | | | |
| Leg C | Max. Vert | 18 | 282.84 | 29.50 | -17.78 |
| _ | Max. H _x | 18 | 282.84 | 29.50 | -17.78 |
| | Max. H _z | 7 | -245.96 | -26.80 | 16.20 |
| | Min. Vert | 7 | -245.96 | -26.80 | 16.20 |
| | Min. H _x | 7 | -245.96 | -26.80 | 16.20 |
| | Min. H _z | 18 | 282.84 | 29.50 | -17.78 |
| Leg B | Max. Vert | 10 | 277.14 | -28.08 | -17.55 |
| - | Max. H _x | 23 | -238.50 | 25.36 | 15.94 |
| | Max. H _z | 23 | -238.50 | 25.36 | 15.94 |
| | Min. Vert | 23 | -238.50 | 25.36 | 15.94 |
| | Min. H _x | 10 | 277.14 | -28.08 | -17.55 |
| | $Min. H_z$ | 10 | 277.14 | -28.08 | -17.55 |
| Leg A | Max. Vert | 2 | 271.08 | 0.38 | 32.03 |
| _ | Max. H _x | 20 | 23.15 | 7.43 | 1.79 |
| | Max. H _z | 2 | 271.08 | 0.38 | 32.03 |
| | Min. Vert | 15 | -230.15 | -0.37 | -28.84 |
| | Min. H _x | 9 | 17.78 | -7.41 | 1.40 |
| | Min. H _z | 15 | -230.15 | -0.37 | -28.84 |

Tower Mast Reaction Summary

| Load Combination | Vertical | Shear _x | Shearz | Overturning Moment, M_x | Overturning Moment, M _z | Torque |
|----------------------------|----------|--------------------|--------|---------------------------|---------------------------------------|--------|
| | K | K | K | kip-ft | kip-ft | kip-ft |
| Dead Only | 55.45 | 0.00 | 0.00 | -22 | -11 | 0 |
| 1.2 Dead+1.6 Wind 0 deg - | 66.54 | 0.05 | -53.31 | -5460 | -18 | 17 |
| No Ice | | | | | | |
| 0.9 Dead+1.6 Wind 0 deg - | 49.91 | 0.05 | -53.31 | -5453 | -15 | 17 |
| No Ice | | | | | | |
| 1.2 Dead+1.6 Wind 30 deg - | 66.54 | 26.61 | -46.30 | -4696 | -2692 | 25 |
| No Ice | | | | | | |
| 0.9 Dead+1.6 Wind 30 deg - | 49.91 | 26.61 | -46.30 | -4690 | -2689 | 25 |
| No Ice | | | | | | |
| 1.2 Dead+1.6 Wind 60 deg - | 66.54 | 50.02 | -29.06 | -2915 | -4976 | -28 |
| No Ice | | | | | | |
| 0.9 Dead+1.6 Wind 60 deg - | 49.91 | 50.02 | -29.06 | -2908 | -4972 | -28 |
| No Ice | | | | | | |
| 1.2 Dead+1.6 Wind 90 deg - | 66.54 | 58.33 | -0.05 | -32 | -5811 | -64 |
| No Ice | | | | | | |
| 0.9 Dead+1.6 Wind 90 deg - | 49.91 | 58.33 | -0.05 | -25 | -5808 | -64 |
| No Ice | | | | | | |
| 1.2 Dead+1.6 Wind 120 deg | 66.54 | 47.83 | 27.73 | 2784 | -4851 | -50 |
| - No Ice | | | | | | |
| 0.9 Dead+1.6 Wind 120 deg | 49.91 | 47.83 | 27.73 | 2790 | -4848 | -50 |
| - No Ice | | | | | | _ |
| 1.2 Dead+1.6 Wind 150 deg | 66.54 | 24.91 | 43.45 | 4487 | -2595 | -9 |
| - No Ice | | | | | | |
| 0.9 Dead+1.6 Wind 150 deg | 49.91 | 24.91 | 43.45 | 4493 | -2592 | -9 |
| - No Ice | | | | | | |
| 1.2 Dead+1.6 Wind 180 deg | 66.54 | -0.05 | 53.31 | 5407 | -7 | -17 |
| - No Ice | | | | | | |
| 0.9 Dead+1.6 Wind 180 deg | 49.91 | -0.05 | 53.31 | 5414 | -4 | -17 |
| - No Ice | | | | | | |

| Load Combination | Vertical K | Shear _x K | Shear₂ K | Overturning Moment, M_x kip-ft | Overturning Moment, M _z kip-ft | Torque kip-ft |
|---------------------------------------|---------------|-------------------------|-------------|--|---|------------------|
| 1.2 Dead+1.6 Wind 210 deg | 66.54 | -26.61 | 46.30 | 4643 | 2667 | -25 |
| - No Ice | | | | | | |
| 0.9 Dead+1.6 Wind 210 deg | 49.91 | -26.61 | 46.30 | 4650 | 2670 | -25 |
| - No Ice 1.2 Dead+1.6 Wind 240 deg | 66.54 | -50.02 | 29.06 | 2862 | 4950 | 28 |
| - No Ice | | | | | | |
| 0.9 Dead+1.6 Wind 240 deg - No Ice | 49.91 | -50.02 | 29.06 | 2868 | 4953 | 28 |
| 1.2 Dead+1.6 Wind 270 deg - No Ice | 66.54 | -58.33 | 0.05 | -21 | 5785 | 64 |
| 0.9 Dead+1.6 Wind 270 deg - No Ice | 49.91 | -58.33 | 0.05 | -15 | 5789 | 64 |
| 1.2 Dead+1.6 Wind 300 deg - No Ice | 66.54 | -47.83 | -27.73 | -2837 | 4826 | 50 |
| 0.9 Dead+1.6 Wind 300 deg | 49.91 | -47.83 | -27.73 | -2830 | 4829 | 50 |
| - No Ice 1.2 Dead+1.6 Wind 330 deg | 66.54 | -24.91 | -43.45 | -4540 | 2570 | 9 |
| - No Ice 0.9 Dead+1.6 Wind 330 deg | 49.91 | -24.91 | -43.45 | -4533 | 2573 | 9 |
| - No Ice | 49.91 | -24.91 | -43.43 | -4000 | 2373 | 9 |
| 1.2 Dead+1.0 Ice | 194.38 | 0.00 | 0.00 | -120 | -56 | 0 |
| 1.2 Dead+1.0 Wind 0 | 194.38 | 0.03 | -16.00 | -1763 | -59 | 4 |
| deg+1.0 Ice 1.2 Dead+1.0 Wind 30 | 194.38 | 8.03 | -14.00 | -1546 | -872 | 7 |
| deg+1.0 Ice | 101.00 | 44.00 | 0.70 | 000 | 4540 | |
| 1.2 Dead+1.0 Wind 60 deg+1.0 Ice | 194.38 | 14.92 | -8.70 | -993 | -1549 | -2 |
| 1.2 Dead+1.0 Wind 90 deg+1.0 Ice | 194.38 | 17.08 | -0.03 | -122 | -1775 | -12 |
| 1.2 Dead+1.0 Wind 120 deg+1.0 Ice | 194.38 | 14.46 | 8.41 | 738 | -1527 | -10 |
| 1.2 Dead+1.0 Wind 150 deg+1.0 Ice | 194.38 | 7.70 | 13.49 | 1278 | -852 | -2 |
| 1.2 Dead+1.0 Wind 180 deg+1.0 Ice | 194.38 | -0.03 | 16.00 | 1524 | -54 | -4 |
| 1.2 Dead+1.0 Wind 210 | 194.38 | -8.03 | 14.00 | 1307 | 759 | -7 |
| deg+1.0 Ice 1.2 Dead+1.0 Wind 240 | 194.38 | -14.92 | 8.70 | 754 | 1437 | 2 |
| deg+1.0 Ice 1.2 Dead+1.0 Wind 270 | 194.38 | -17.08 | 0.03 | -117 | 1663 | 12 |
| deg+1.0 Ice 1.2 Dead+1.0 Wind 300 | 194.38 | -14.46 | -8.41 | -977 | 1415 | 10 |
| deg+1.0 Ice 1.2 Dead+1.0 Wind 330 | 194.38 | -7.70 | -13.49 | -1517 | 739 | 2 |
| deg+1.0 Ice | | | | | | |
| Dead+Wind 0 deg - Service | 55.45 | 0.01 | -10.63 | -1095 | -12 | 3 |
| Dead+Wind 30 deg - Service | 55.45 | 5.31 | -9.23 | -945 | -540 | 5 |
| Dead+Wind 60 deg - Service | 55.45 | 9.95 | -5.78 | -592 | -990 | -5 |
| Dead+Wind 90 deg - Service | 55.45 | 11.60 | -0.01 | -23 | -1154 | -12 |
| Dead+Wind 120 deg - Service | 55.45 | 9.53 | 5.52 | 533 | -966 | -10 |
| Dead+Wind 150 deg - Service | 55.45 | 4.98 | 8.68 | 870 | -521 | -2 |
| Dead+Wind 180 deg - Service | 55.45 | -0.01 | 10.63 | 1051 | -10 | -3 |
| Dead+Wind 210 deg - | 55.45 | -5.31 | 9.23 | 900 | 519 | -5 |
| Service Dead+Wind 240 deg - | 55.45 | -9.95 | 5.78 | 548 | 968 | 5 |
| Service Dead+Wind 270 deg - | 55.45 | -11.60 | 0.01 | -21 | 1133 | 12 |
| Service Dead+Wind 300 deg - | 55.45 | -9.53 | -5.52 | -577 | 944 | 10 |
| Service Dead+Wind 330 deg - | 55.45 | -4.98 | -8.68 | -914 | 500 | 2 |

Maximum Tower Deflections - Service Wind

| Section | Elevation | Horz. | Gov. | Tilt | Twist |
|---------|-----------|------------|-------|-------|-------|
| No. | | Deflection | Load | | |
| | ft | in | Comb. | 0 | 0 |
| T1 | 180 - 160 | 1.55 | 42 | 0.063 | 0.023 |
| T2 | 160 - 140 | 1.28 | 42 | 0.062 | 0.023 |
| T3 | 140 - 120 | 1.01 | 42 | 0.058 | 0.021 |
| T4 | 120 - 100 | 0.75 | 42 | 0.051 | 0.018 |
| T5 | 100 - 80 | 0.53 | 42 | 0.041 | 0.015 |
| T6 | 80 - 60 | 0.36 | 42 | 0.032 | 0.012 |
| T7 | 60 - 40 | 0.21 | 42 | 0.024 | 0.008 |
| T8 | 40 - 20 | 0.11 | 42 | 0.016 | 0.005 |
| T9 | 20 - 0 | 0.04 | 48 | 0.008 | 0.002 |

Critical Deflections and Radius of Curvature - Service Wind

| Elevation | Appurtenance | Gov. Load | Deflection | Tilt | Twist | Radius of Curvature |
|-----------|---------------------------------------|--------------|------------|-------|-------|------------------------|
| ft | | Comb. | in | ٥ | ٥ | ft |
| 180.00 | 2.375" x 7' Safety Climb Extension | 42 | 1.55 | 0.063 | 0.023 | Inf |
| 177.00 | Side Arm Mount | 42 | 1.51 | 0.063 | 0.023 | Inf |
| 168.75 | Rohn 6'x15' Boom Gate | 42 | 1.39 | 0.063 | 0.023 | 860156 |
| 150.00 | APXVSPP18-C-A20 w/ Mount Pipe | 42 | 1.14 | 0.061 | 0.022 | 742748 |
| 140.00 | 80010965 w/ Mount Pipe | 42 | 1.01 | 0.058 | 0.021 | 936516 |
| 130.00 | APXVAARR24_43-U-NA20 w/ Mount Pipe | 42 | 0.88 | 0.055 | 0.020 | 193540 |
| 120.00 | 6' Side Arm Mount | 42 | 0.75 | 0.051 | 0.018 | 106967 |
| 108.00 | 12" x 12" x 12" Junction Box | 42 | 0.61 | 0.045 | 0.016 | 98881 |
| 90.00 | 6' Side Arm Mount | 42 | 0.44 | 0.036 | 0.013 | 131600 |
| 86.00 | 6' Side Arm Mount | 42 | 0.41 | 0.035 | 0.013 | 154911 |
| 55.00 | 3' Side Arm Mount | 42 | 0.19 | 0.022 | 0.008 | 119672 |

Maximum Tower Deflections - Design Wind

| Section | Elevation | Horz. | Gov. | Tilt | Twist |
|---------|-----------|------------|-------|-------|-------|
| No. | | Deflection | Load | | |
| | ft | in | Comb. | ٥ | ۰ |
| T1 | 180 - 160 | 7.86 | 8 | 0.323 | 0.119 |
| T2 | 160 - 140 | 6.46 | 8 | 0.318 | 0.119 |
| T3 | 140 - 120 | 5.10 | 8 | 0.295 | 0.110 |
| T4 | 120 - 100 | 3.80 | 8 | 0.261 | 0.095 |
| T5 | 100 - 80 | 2.69 | 8 | 0.208 | 0.078 |
| T6 | 80 - 60 | 1.81 | 8 | 0.163 | 0.061 |
| T7 | 60 - 40 | 1.08 | 8 | 0.123 | 0.044 |
| T8 | 40 - 20 | 0.55 | 8 | 0.078 | 0.028 |
| T9 | 20 - 0 | 0.18 | 20 | 0.041 | 0.012 |

Critical Deflections and Radius of Curvature - Design Wind

| Elevation | Appurtenance | Gov. Load | Deflection | Tilt | Twist | Radius of Curvature |
|-----------|---------------------------------------|--------------|------------|-------|-------|------------------------|
| ft | | Comb. | in | ٥ | ٥ | ft |
| 180.00 | 2.375" x 7' Safety Climb Extension | 8 | 7.86 | 0.323 | 0.119 | 375890 |
| 177.00 | Side Arm Mount | 8 | 7.65 | 0.323 | 0.119 | 375890 |
| 168.75 | Rohn 6'x15' Boom Gate | 8 | 7.07 | 0.321 | 0.120 | 167063 |

| Elevation | Appurtenance | Gov. Load | Deflection | Tilt | Twist | Radius of Curvature |
|-----------|------------------------------|--------------|------------|-------|-------|------------------------|
| ft | | Comb. | in | 0 | 0 | ft |
| 150.00 | APXVSPP18-C-A20 w/ Mount | 8 | 5.78 | 0.308 | 0.116 | 152890 |
| | Pipe | | | | | |
| 140.00 | 80010965 w/ Mount Pipe | 8 | 5.10 | 0.295 | 0.110 | 199625 |
| 130.00 | APXVAARR24_43-U-NA20 w/ | 8 | 4.44 | 0.280 | 0.103 | 38054 |
| | Mount Pipe | | | | | |
| 120.00 | 6' Side Arm Mount | 8 | 3.80 | 0.261 | 0.095 | 20848 |
| 108.00 | 12" x 12" x 12" Junction Box | 8 | 3.10 | 0.230 | 0.085 | 19333 |
| 90.00 | 6' Side Arm Mount | 8 | 2.22 | 0.184 | 0.070 | 25805 |
| 86.00 | 6' Side Arm Mount | 8 | 2.05 | 0.175 | 0.067 | 30398 |
| 55.00 | 3' Side Arm Mount | 8 | 0.93 | 0.112 | 0.040 | 23594 |

Bolt Design Data

| Section | Elevation | Component | Bolt | Bolt Size | | Maximum | Allowable | Ratio | Allowable | Criteria |
|------------|-----------|------------|-------|-----------|-------|---------------|---------------|-----------|-----------|---------------------|
| No. | £ | Type | Grade | · | Of | Load | Load | Load | Ratio | |
| | ft | | | in | Bolts | per Bolt K | per Bolt K | Allowable | | |
| | 180 | Lan | ADDEN | 0.00 | | 0.65 | | 0.016 | 1.05 | Bolt Tension |
| T 1 | 100 | Leg | A325N | 0.88 | 4 | | 40.59 | | 1.05 | |
| | | Diagonal | A325N | 0.63 | 3 | 1.60 | 12.43 | 0.129 | 1.05 | Bolt Shear |
| T 0 | 400 | Horizontal | A325N | 0.63 | 2 | 1.37 | 12.43 | 0.111 | 1.05 | Bolt Shear |
| T2 | 160 | Leg | A325N | 1.00 | 4 | 5.15 | 53.01 | 0.097 | 1.05 | Bolt Tension |
| | | Diagonal | A325N | 0.63 | 3 | 2.17 | 12.43 | 0.174 | 1.05 | Bolt Shear |
| | | Horizontal | A325N | 0.63 | 2 | 2.03 | 12.43 | 0.163 | 1.05 | Bolt Shear |
| T3 | 140 | Leg | A325N | 1.00 | 6 | 8.07 | 53.01 | 0.152 | 1.05 | Bolt Tension |
| | | Diagonal | A325N | 0.63 | 3 | 3.27 | 12.43 | 0.263 | 1.05 | Bolt Shear |
| | | Horizontal | A325N | 0.63 | 2 | 3.39 | 12.43 | 0.273 | 1.05 | Bolt Shear |
| T4 | 120 | Leg | A325N | 1.00 | 8 | 10.32 | 53.01 | 0.195 | 1.05 | Bolt Tension |
| | | Diagonal | A325N | 0.63 | 3 | 3.28 | 12.43 | 0.264 | 1.05 | Bolt Shear |
| | | Horizontal | A325N | 0.63 | 2 | 3.65 | 12.43 | 0.294 | 1.05 | Bolt Shear |
| T5 | 100 | Leg | A325N | 1.00 | 8 | 13.68 | 53.01 | 0.258 | 1.05 | Bolt Tension |
| | | Diagonal | A325N | 0.63 | 3 | 4.05 | 12.43 | 0.326 | 1.05 | Bolt Shear |
| | | Horizontal | A325N | 0.63 | 2 | 4.05 | 12.43 | 0.326 | 1.05 | Bolt Shear |
| T6 | 80 | Leg | A325N | 1.00 | 8 | 17.71 | 53.01 | 0.334 | 1.05 | Bolt Tension |
| | | Diagonal | A325N | 0.63 | 3 | 4.17 | 12.43 | 0.336 | 1.05 | Bolt Shear |
| | | Horizontal | A325N | 0.63 | 2 | 4.41 | 12.43 | 0.355 | 1.05 | Bolt Shear |
| T 7 | 60 | Leg | A325N | 1.00 | 12 | 14.42 | 53.01 | 0.272 | 1.05 | Bolt Tension |
| | | Diagonal | A325N | 0.63 | 3 | 4.30 | 12.43 | 0.346 | 1.05 | Bolt Shear |
| | | Horizontal | A325N | 0.63 | 2 | 4.76 | 12.43 | 0.383 | 1.05 | Bolt Shear |
| T8 | 40 | Leg | A325N | 1.00 | 12 | 16.94 | 53.01 | 0.320 | 1.05 | Bolt Tension |
| 10 | 40 | Diagonal | A325N | 0.63 | 3 | 4.43 | 12.43 | 0.356 | 1.05 | Bolt Shear |
| | | Horizontal | A325N | 0.63 | 2 | 5.06 | 12.43 | 0.330 | 1.05 | Bolt Shear |
| T 9 | 20 | | | 0.63 | | | 12.43 | 0.407 | | |
| 19 | 20 | Diagonal | A325N | | 3 | 4.61 | | 0.435 | 1.05 | Bolt Shear |
| | | Horizontal | A325N | 0.63 | 2 | 5.41 | 12.43 | 0.435 | 1.05 | Bolt Shear |
| | | | | | | | | | | |

Compression Checks

Leg Design Data (Compression)

| Section No. | Elevation | Size | L | Lu | KI/r | Α | P_u | ϕP_n | Ratio P _u |
|----------------|-----------|--------------------------------|-------|------|----------------|------|--------|------------|-------------------------|
| | ft | | ft | ft | | in² | K | K | $\overline{\phi P_n}$ |
| T1 | 180 - 160 | Pipe 3.5" x 0.216" (3 STD) | 20.00 | 6.53 | 67.3 K=1.00 | 2.23 | -7.73 | 72.00 | 0.107 1 |
| T2 | 160 - 140 | Pipe 4.5" x 0.337" (4 XS) | 20.04 | 6.54 | 53.1 K=1.00 | 4.41 | -26.63 | 161.33 | 0.165 ¹ |
| Т3 | 140 - 120 | Pipe 5.563" x 0.375" (5 EH) | 20.04 | 6.54 | 42.7 K=1.00 | 6.11 | -60.29 | 240.75 | 0.250 ¹ |

| Section No. | Elevation | Size | L | L_u | KI/r | Α | P_u | ϕP_n | Ratio P _u |
|----------------|-----------|---------------------------------|-------|-------|----------------|-------|---------|------------|-------------------------|
| | ft | | ft | ft | | in² | K | K | $\overline{\phi P_n}$ |
| T4 | 120 - 100 | Pipe 6.625" x 0.340" (6 EHS) | 20.04 | 6.54 | 35.3 K=1.00 | 6.71 | -97.36 | 275.84 | 0.353 ¹ |
| T5 | 100 - 80 | Pipe 8.625" x 0.375" (8 EHS) | 20.04 | 9.81 | 40.3 K=1.00 | 9.72 | -127.29 | 388.36 | 0.328 1 |
| T6 | 80 - 60 | Pipe 8.625" x 0.500" (8 XS) | 20.04 | 9.81 | 40.9 K=1.00 | 12.76 | -162.37 | 508.20 | 0.319 ¹ |
| T 7 | 60 - 40 | Pipe 8.625" x 0.500" (8 XS) | 20.04 | 9.81 | 40.9 K=1.00 | 12.76 | -197.80 | 508.20 | 0.389 1 |
| T8 | 40 - 20 | Pipe 10.75" x 0.500" (10 XS) | 20.04 | 9.81 | 32.4 K=1.00 | 16.10 | -232.85 | 670.86 | 0.347 1 |
| Т9 | 20 - 0 | Pipe 10.75" x 0.500" (10 XS) | 20.04 | 9.81 | 32.4 K=1.00 | 16.10 | -267.30 | 670.86 | 0.398 ¹ |

 $^{^{1}}$ P_{u} / ϕP_{n} controls

| Diagona | l Desian | Data | (Compre | (noi229 |
|---------|-----------|------|-----------|------------------|
| Diagona | ı Desigii | Data | (OOIIIDI) | -331U11 <i>1</i> |

| Section No. | Elevation | Size | L | L_u | KI/r | Α | P_u | ϕP_n | Ratio Pu |
|----------------|-----------|---------------------------------|-------|-------|-----------------|-----------------|--------|------------|--------------------|
| | ft | | ft | ft | | in ² | K | Κ | ϕP_n |
| T 1 | 180 - 160 | Pipe 2.375" x 0.154" (2 STD) | 7.80 | 7.53 | 114.9 K=1.00 | 1.07 | -4.81 | 18.40 | 0.261 1 |
| T2 | 160 - 140 | Pipe 2.375" x 0.218" (2 XS) | 8.42 | 8.13 | 127.2 K=1.00 | 1.48 | -6.50 | 20.62 | 0.315 ¹ |
| Т3 | 140 - 120 | Pipe 2.375" x 0.218" (2 XS) | 9.12 | 8.79 | 137.6 K=1.00 | 1.48 | -9.80 | 17.62 | 0.556 ¹ |
| T4 | 120 - 100 | Pipe 2.875" x 0.203" (2.5 STD) | 9.88 | 9.52 | 120.5 K=1.00 | 1.70 | -9.73 | 26.50 | 0.367 1 |
| T5 | 100 - 80 | Pipe 3.5" x 0.216" (3 STD) | 12.95 | 12.40 | 127.9 K=1.00 | 2.23 | -12.16 | 30.79 | 0.395 1 |
| T6 | 80 - 60 | Pipe 3.5" x 0.216" (3 STD) | 13.66 | 13.14 | 135.5 K=1.00 | 2.23 | -12.52 | 27.41 | 0.457 ¹ |
| T 7 | 60 - 40 | Pipe 3.5" x 0.216" (3 STD) | 14.41 | 13.92 | 143.5 K=1.00 | 2.23 | -12.88 | 24.43 | 0.527 1 |
| Т8 | 40 - 20 | Pipe 3.5" x 0.216" (3 STD) | 15.19 | 14.61 | 150.7 K=1.00 | 2.23 | -13.20 | 22.18 | 0.595 ¹ |
| Т9 | 20 - 0 | Pipe 3.5" x 0.300" (3 XS) | 16.01 | 15.45 | 163.1 K=1.00 | 3.02 | -13.66 | 25.61 | 0.533 ¹ |

 $^{^{1}}$ P $_{u}$ / ϕP_{n} controls

Horizontal Design Data (Compression)

| Section No. | Elevation | Size | L | L_u | KI/r | Α | P_u | ϕP_n | Ratio P _u |
|----------------|-----------|-----------------------------------|-------|-------|-----------------|-----------------|-------|------------|-------------------------|
| | ft | | ft | ft | | in ² | K | K | ΦP_n |
| T1 | 180 - 160 | Pipe 1.9" x 0.145" (1.5 STD) | 8.54 | 4.12 | 79.5 K=1.00 | 0.80 | -2.71 | 22.67 | 0.120 ¹ |
| T2 | 160 - 140 | Pipe 1.9" x 0.145" (1.5 STD) | 9.95 | 4.79 | 92.3 K=1.00 | 0.80 | -4.05 | 19.29 | 0.210 ¹ |
| Т3 | 140 - 120 | Pipe 1.9" x 0.145" (1.5 STD) | 12.05 | 5.79 | 111.7 K=1.00 | 0.80 | -6.77 | 14.45 | 0.468 1 |
| T4 | 120 - 100 | Pipe 2.375" x 0.154" (2 STD) | 14.15 | 6.80 | 103.7 K=1.00 | 1.07 | -7.22 | 22.04 | 0.328 1 |
| T5 | 100 - 80 | Pipe 2.375" x 0.154" (2 STD) | 15.91 | 7.59 | 115.8 K=1.00 | 1.07 | -8.06 | 18.11 | 0.445 ¹ |
| Т6 | 80 - 60 | Pipe 2.375" x 0.154" (2 STD) | 18.01 | 8.64 | 131.8 K=1.00 | 1.07 | -8.75 | 13.98 | 0.626 ¹ |
| Т7 | 60 - 40 | Pipe 2.875" x 0.203" (2.5 STD) | 20.10 | 9.69 | 122.8 K=1.00 | 1.70 | -9.38 | 25.54 | 0.367 1 |

tnxTower Report - version 8.1.1.0

| Section | Elevation | Size | L | L_u | KI/r | Α | P_u | ϕP_n | Ratio |
|---------|-----------|-----------------------------------|-------|-------|-----------------|------|--------|------------|-----------------------|
| No. | | | | | | | | | P_u |
| | ft | | ft | ft | | in² | K | K | $\overline{\phi P_n}$ |
| Т8 | 40 - 20 | Pipe 2.875" x 0.203" (2.5 STD) | 22.20 | 10.65 | 134.9 K=1.00 | 1.70 | -9.94 | 21.14 | 0.470 ¹ |
| Т9 | 20 - 0 | Pipe 3.5" x 0.216" (3 STD) | 24.30 | 11.70 | 120.7 K=1.00 | 2.23 | -10.52 | 34.56 | 0.304 1 |

¹ P_u / ϕP_n controls

| | Top Girt Design Data (Compression) | | | | | | | | | |
|----------------|------------------------------------|---------------------------------|------|------|----------------|-----------------|-------|-------|-------------------------|--|
| Section No. | Elevation | Size | L | Lu | KI/r | Α | P_u | φPn | Ratio P _u | |
| | ft | | ft | ft | | in ² | K | K | $\frac{1}{\Phi P_n}$ | |
| T1 | 180 - 160 | Pipe 1.9" x 0.145" (1.5 STD) | 8.54 | 4.12 | 79.5 K=1.00 | 0.80 | -0.16 | 22.67 | 0.007 1 | |

 $^{^{1}}$ P $_{u}$ / ϕP_{n} controls

| Section No. | Elevation | Size | L | L_u | KI/r | Α | P_u | ϕP_n | Ratio Pu |
|----------------|-----------|--------------------|-------|-------|-----------------|------|-------|------------|-----------------------|
| | ft | | ft | ft | | in² | K | K | $\overline{\phi P_n}$ |
| T1 | 180 - 160 | L 2 x 2 x 1/8 | 4.27 | 4.27 | 128.9 K=1.00 | 0.48 | -0.00 | 6.51 | 0.001 1 |
| T2 | 160 - 140 | L 2 x 2 x 1/8 | 4.98 | 4.98 | 150.2 K=1.00 | 0.48 | -0.01 | 4.85 | 0.001 1 |
| Т3 | 140 - 120 | L 2 x 2 x 1/8 | 6.03 | 6.03 | 181.9 K=1.00 | 0.48 | -0.01 | 3.31 | 0.002 1 |
| T4 | 120 - 100 | L 2 x 2 x 1/8 | 7.08 | 7.08 | 213.6 K=1.00 | 0.48 | -0.01 | 2.40 | 0.004 1 |
| T5 | 100 - 80 | L 2 x 2 x 1/8 | 7.95 | 7.95 | 240.1 K=1.00 | 0.48 | -0.01 | 1.90 | 0.006 1 |
| T6 | 80 - 60 | L 2.5 x 2.5 x 3/16 | 9.00 | 9.00 | 218.3 K=1.00 | 0.90 | -0.01 | 4.28 | 0.003 1 |
| T7 | 60 - 40 | L 3 x 3 x 3/16 | 10.05 | 10.05 | 202.3 K=1.00 | 1.09 | -0.01 | 6.02 | 0.002 1 |
| T8 | 40 - 20 | L 3.5 x 3.5 x 1/4 | 11.10 | 11.10 | 192.0 K=1.00 | 1.69 | -0.02 | 10.36 | 0.002 1 |
| Т9 | 20 - 0 | L 3.5 x 3.5 x 1/4 | 12.15 | 12.15 | 210.1 K=1.00 | 1.69 | -0.02 | 8.65 | 0.002 1 |

 $^{^{1}}$ P_{u} / ϕP_{n} controls

Tension Checks

| | | Leg | Desig | in Dat | a (Te | nsion | | | |
|----------------|-----------|-------------------------------|-------|--------|-------|-----------------|-------|------------|-------------------------|
| Section No. | Elevation | Size | L | Lu | KI/r | Α | P_u | ϕP_n | Ratio P _u |
| | ft | | ft | ft | | in ² | K | K | $\frac{P_u}{\phi P_n}$ |
| T 1 | 180 - 160 | Pipe 3.5" x 0.216" (3 STD) | 20.00 | 6.53 | 67.3 | 2.23 | 2.62 | 100.28 | 0.026 1 |
| T2 | 160 - 140 | Pipe 4.5" x 0.337" (4 XS) | 20.04 | 6.54 | 53.1 | 4.41 | 20.59 | 198.34 | 0.104 1 |

tnxTower Report - version 8.1.1.0

| Section No. | Elevation | Size | L | L_u | KI/r | Α | P_u | ϕP_n | Ratio P _u |
|----------------|-----------|---------------------------------|-------|-------|------|-------|--------|------------|-------------------------|
| | ft | | ft | ft | | in² | K | K | $\overline{\phi P_n}$ |
| T3 | 140 - 120 | Pipe 5.563" x 0.375" (5 EH) | 20.04 | 6.54 | 42.7 | 6.11 | 48.43 | 275.04 | 0.176 ¹ |
| T4 | 120 - 100 | Pipe 6.625" x 0.340" (6 EHS) | 20.04 | 6.54 | 35.3 | 6.71 | 82.52 | 302.10 | 0.273 ¹ |
| T5 | 100 - 80 | Pipe 8.625" x 0.375" (8 EHS) | 20.04 | 9.81 | 40.3 | 9.72 | 109.44 | 437.37 | 0.250 ¹ |
| Т6 | 80 - 60 | Pipe 8.625" x 0.500" (8 XS) | 20.04 | 9.81 | 40.9 | 12.76 | 141.68 | 574.32 | 0.247 1 |
| T 7 | 60 - 40 | Pipe 8.625" x 0.500" (8 XS) | 20.04 | 9.81 | 40.9 | 12.76 | 173.04 | 574.32 | 0.301 1 |
| T8 | 40 - 20 | Pipe 10.75" x 0.500" (10 XS) | 20.04 | 9.81 | 32.4 | 16.10 | 203.33 | 724.53 | 0.281 ¹ |
| Т9 | 20 - 0 | Pipe 10.75" x 0.500" (10 XS) | 20.04 | 9.81 | 32.4 | 16.10 | 232.39 | 724.53 | 0.321 ¹ |

¹ P_u / ϕP_n controls

| | | Diagon | al De | sign [| Data (| Tensi | on) | | |
|----------------|-----------|-----------------------------------|-------|--------|--------|-----------------|-------|------------|------------------------------------|
| Section No. | Elevation | Size | L | Lu | KI/r | Α | P_u | ϕP_n | Ratio Pu |
| | ft | | ft | ft | | in ² | K | K | $\frac{-\frac{1}{6}P_n}{\phi P_n}$ |
| T1 | 180 - 160 | Pipe 2.375" x 0.154" (2 STD) | 7.80 | 7.53 | 114.9 | 1.07 | 4.73 | 48.35 | 0.098 1 |
| T2 | 160 - 140 | Pipe 2.375" x 0.218" (2 XS) | 8.42 | 8.13 | 127.2 | 1.48 | 6.39 | 66.48 | 0.096 1 |
| Т3 | 140 - 120 | Pipe 2.375" x 0.218" (2 XS) | 9.12 | 8.79 | 137.6 | 1.48 | 9.67 | 66.48 | 0.145 ¹ |
| T4 | 120 - 100 | Pipe 2.875" x 0.203" (2.5 STD) | 9.38 | 9.01 | 114.2 | 1.70 | 9.68 | 76.68 | 0.126 ¹ |
| T5 | 100 - 80 | Pipe 3.5" x 0.216" (3 STD) | 12.95 | 12.40 | 127.9 | 2.23 | 11.92 | 100.28 | 0.119 ¹ |
| T6 | 80 - 60 | Pipe 3.5" x 0.216" (3 STD) | 13.66 | 13.14 | 135.5 | 2.23 | 12.23 | 100.28 | 0.122 1 |
| T7 | 60 - 40 | Pipe 3.5" x 0.216" (3 STD) | 14.04 | 13.55 | 139.7 | 2.23 | 12.52 | 100.28 | 0.125 ¹ |
| T8 | 40 - 20 | Pipe 3.5" x 0.216" (3 STD) | 14.81 | 14.22 | 146.7 | 2.23 | 12.82 | 100.28 | 0.128 ¹ |
| T 9 | 20 - 0 | Pipe 3.5" x 0.300" (3 XS) | 15.61 | 15.04 | 158.8 | 3.02 | 13.19 | 135.72 | 0.097 1 |

 $^{^{1}}$ P $_{u}$ / $_{\phi}P_{n}$ controls

| | | Horizor | ntal De | esign | Data | (Tensi | on) | | |
|----------------|-----------|---------------------------------|---------|-------|-------|--------|-------|-----------------|-------------------------|
| Section No. | Elevation | Size | L | Lu | KI/r | Α | P_u | φP _n | Ratio P _u |
| | ft | | ft | ft | | in² | K | K | ΦP_n |
| T1 | 180 - 160 | Pipe 1.9" x 0.145" (1.5 STD) | 8.54 | 4.12 | 79.5 | 0.80 | 2.75 | 35.98 | 0.076 ¹ |
| T2 | 160 - 140 | Pipe 1.9" x 0.145" (1.5 STD) | 9.95 | 4.79 | 92.3 | 0.80 | 4.06 | 35.98 | 0.113 ¹ |
| Т3 | 140 - 120 | Pipe 1.9" x 0.145" (1.5 STD) | 12.05 | 5.79 | 111.7 | 0.80 | 6.78 | 35.98 | 0.189 ¹ |
| T4 | 120 - 100 | Pipe 2.375" x 0.154" (2 STD) | 14.15 | 6.80 | 103.7 | 1.07 | 7.30 | 48.35 | 0.151 ¹ |
| T5 | 100 - 80 | Pipe 2.375" x 0.154" (2 STD) | 15.91 | 7.59 | 115.8 | 1.07 | 8.11 | 48.35 | 0.168 ¹ |
| Т6 | 80 - 60 | Pipe 2.375" x 0.154" (2 STD) | 18.01 | 8.64 | 131.8 | 1.07 | 8.83 | 48.35 | 0.183 ¹ |

| Section No. | Elevation | Size | L | L_u | KI/r | Α | P_u | ϕP_n | Ratio Pu |
|----------------|-----------|-----------------------------------|-------|-------|-------|-----------------|-------|------------|--------------------|
| | ft | | ft | ft | | in ² | K | Κ | ${\Phi P_n}$ |
| T7 | 60 - 40 | Pipe 2.875" x 0.203" (2.5 STD) | 20.10 | 9.69 | 122.8 | 1.70 | 9.53 | 76.68 | 0.124 1 |
| Т8 | 40 - 20 | Pipe 2.875" x 0.203" (2.5 STD) | 22.20 | 10.65 | 134.9 | 1.70 | 10.11 | 76.68 | 0.132 1 |
| Т9 | 20 - 0 | Pipe 3.5" x 0.216" (3 STD) | 23.27 | 11.19 | 115.4 | 2.23 | 10.81 | 100.28 | 0.108 ¹ |

¹ P_u / ϕP_n controls

| | Top Girt Design Data (Tension) | | | | | | | | | | |
|----------------|--------------------------------|---------------------------------|------|------|------|-----------------|------|-----------------|--------------|--|--|
| Section No. | Elevation | Size | L | Lu | KI/r | Α | Pu | φP _n | Ratio P., | | |
| | ft | | ft | ft | | in ² | K | K | ${\Phi P_n}$ | | |
| T 1 | 180 - 160 | Pipe 1.9" x 0.145" (1.5 STD) | 8.54 | 4.12 | 79.5 | 0.80 | 0.16 | 35.98 | 0.004 1 | | |

 $^{^{1}}$ P $_{u}$ / ϕP_{n} controls

| Inner Bracing Design Data | (Tension) |
|---------------------------|-----------|
| | |

| Section No. | Elevation | Size | L | L_u | KI/r | Α | P_u | ϕP_n | Ratio P _u |
|----------------|-----------|--------------------|------|-------|-------|------|-------|------------|-------------------------|
| | ft | | ft | ft | | in² | K | K | $\overline{\phi P_n}$ |
| T1 | 180 - 160 | L 2 x 2 x 1/8 | 4.27 | 4.27 | 81.8 | 0.48 | 0.00 | 15.69 | 0.000 1 |
| T2 | 160 - 140 | L 2 x 2 x 1/8 | 4.98 | 4.98 | 95.4 | 0.48 | 0.00 | 15.69 | 0.000^{-1} |
| T3 | 140 - 120 | L 2 x 2 x 1/8 | 5.34 | 5.34 | 102.3 | 0.48 | 0.00 | 15.69 | 0.000^{-1} |
| T4 | 120 - 100 | L 2 x 2 x 1/8 | 6.39 | 6.39 | 122.5 | 0.48 | 0.00 | 15.69 | 0.000^{-1} |
| T 5 | 100 - 80 | L 2 x 2 x 1/8 | 7.44 | 7.44 | 142.6 | 0.48 | 0.00 | 15.69 | 0.000^{-1} |
| T 6 | 80 - 60 | L 2.5 x 2.5 x 3/16 | 8.49 | 8.49 | 130.8 | 0.90 | 0.00 | 29.22 | 0.000^{-1} |
| Т7 | 60 - 40 | L 3 x 3 x 3/16 | 9.54 | 9.54 | 121.9 | 1.09 | 0.00 | 35.31 | 0.000 1 |

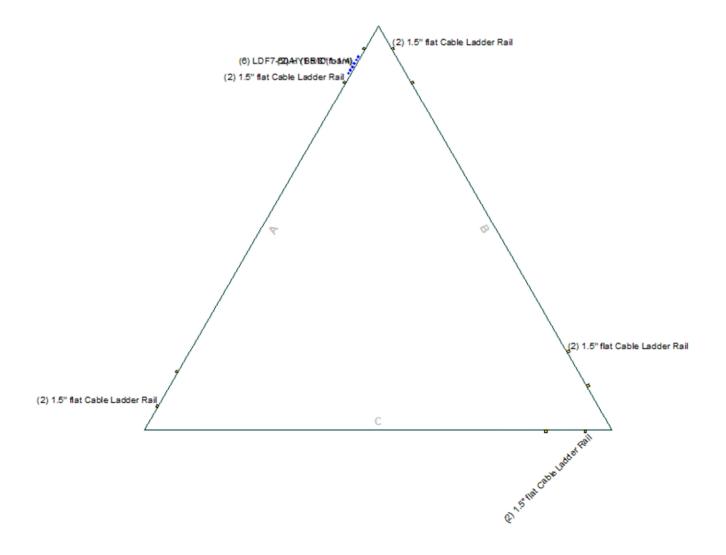
 $^{^{1}}$ P $_{u}$ / ϕP_{n} controls

Section Capacity Table

| Section | Elevation | Component | Size | Critical | P | øP _{allow} | % | Pass |
|------------|-----------|-----------|------------------------------|----------|---------|---------------------|----------|------|
| No. | ft | Туре | 0/26 | Element | K | K allow | Capacity | Fail |
| T1 | 180 - 160 | Leg | Pipe 3.5" x 0.216" (3 STD) | 3 | -7.73 | 75.60 | 10.2 | Pass |
| T2 | 160 - 140 | Leg | Pipe 4.5" x 0.337" (4 XS) | 42 | -26.63 | 169.40 | 15.7 | Pass |
| T3 | 140 - 120 | Leg | Pipe 5.563" x 0.375" (5 EH) | 80 | -60.29 | 252.79 | 23.8 | Pass |
| T4 | 120 - 100 | Leg | Pipe 6.625" x 0.340" (6 EHS) | 119 | -97.36 | 289.63 | 33.6 | Pass |
| T5 | 100 - 80 | Leg | Pipe 8.625" x 0.375" (8 EHS) | 158 | -127.29 | 407.78 | 31.2 | Pass |
| T6 | 80 - 60 | Leg | Pipe 8.625" x 0.500" (8 XS) | 184 | -162.37 | 533.61 | 30.4 | Pass |
| | | · · | . , , | | | | 33.4 (b) | |
| T7 | 60 - 40 | Leg | Pipe 8.625" x 0.500" (8 XS) | 211 | -197.80 | 533.61 | 37.1 | Pass |
| T8 | 40 - 20 | Leg | Pipe 10.75" x 0.500" (10 XS) | 238 | -232.85 | 704.40 | 33.1 | Pass |
| T 9 | 20 - 0 | Leg | Pipe 10.75" x 0.500" (10 XS) | 265 | -267.30 | 704.40 | 37.9 | Pass |
| T 1 | 180 - 160 | Diagonal | Pipe 2.375" x 0.154" (2 STD) | 11 | -4.81 | 19.32 | 24.9 | Pass |
| T2 | 160 - 140 | Diagonal | Pipe 2.375" x 0.218" (2 XS) | 47 | -6.50 | 21.65 | 30.0 | Pass |
| T 3 | 140 - 120 | Diagonal | Pipe 2.375" x 0.218" (2 XS) | 86 | -9.80 | 18.50 | 53.0 | Pass |
| T4 | 120 - 100 | Diagonal | Pipe 2.875" x 0.203" (2.5 | 125 | -9.73 | 27.83 | 35.0 | Pass |
| | | • | STD) | | | | | |
| T5 | 100 - 80 | Diagonal | Pipe 3.5" x 0.216" (3 STD) | 164 | -12.16 | 32.33 | 37.6 | Pass |
| T6 | 80 - 60 | Diagonal | Pipe 3.5" x 0.216" (3 STD) | 191 | -12.52 | 28.78 | 43.5 | Pass |

| Section | Elevation | Component | Size | Critical | Р | øP _{allow} | % | Pass |
|------------|-----------|---------------|--------------------------------|----------|--------|---------------------|----------|------|
| No. | ft | Type | | Element | K | K | Capacity | Fail |
| T7 | 60 - 40 | Diagonal | Pipe 3.5" x 0.216" (3 STD) | 218 | -12.88 | 25.65 | 50.2 | Pass |
| T8 | 40 - 20 | Diagonal | Pipe 3.5" x 0.216" (3 STD) | 249 | -13.20 | 23.29 | 56.7 | Pass |
| T 9 | 20 - 0 | Diagonal | Pipe 3.5" x 0.300" (3 XS) | 276 | -13.66 | 26.89 | 50.8 | Pass |
| T 1 | 180 - 160 | Horizontal | Pipe 1.9" x 0.145" (1.5 STD) | 10 | -2.71 | 23.80 | 11.4 | Pass |
| T2 | 160 - 140 | Horizontal | Pipe 1.9" x 0.145" (1.5 STD) | 46 | -4.05 | 20.26 | 20.0 | Pass |
| T3 | 140 - 120 | Horizontal | Pipe 1.9" x 0.145" (1.5 STD) | 85 | -6.77 | 15.17 | 44.6 | Pass |
| T4 | 120 - 100 | Horizontal | Pipe 2.375" x 0.154" (2 STD) | 124 | -7.22 | 23.14 | 31.2 | Pass |
| T5 | 100 - 80 | Horizontal | Pipe 2.375" x 0.154" (2 STD) | 163 | -8.06 | 19.01 | 42.4 | Pass |
| T6 | 80 - 60 | Horizontal | Pipe 2.375" x 0.154" (2 STD) | 190 | -8.75 | 14.68 | 59.6 | Pass |
| T7 | 60 - 40 | Horizontal | Pipe 2.875" x 0.203" (2.5 | 217 | -9.38 | 26.82 | 35.0 | Pass |
| | | | STD) | | | | 38.3 (b) | |
| Т8 | 40 - 20 | Horizontal | Pipe 2.875" x 0.203" (2.5 STD) | 247 | -9.94 | 22.20 | 44.8 | Pass |
| T 9 | 20 - 0 | Horizontal | Pipe 3.5" x 0.216" (3 STD) | 274 | -10.52 | 36.29 | 29.0 | Pass |
| | | | | | | | 43.5 (b) | |
| T 1 | 180 - 160 | Top Girt | Pipe 1.9" x 0.145" (1.5 STD) | 4 | -0.16 | 23.80 | 0.7 | Pass |
| T 1 | 180 - 160 | Inner Bracing | L 2 x 2 x 1/8 | 37 | -0.00 | 6.84 | 0.7 | Pass |
| T2 | 160 - 140 | Inner Bracing | L 2 x 2 x 1/8 | 54 | -0.01 | 5.09 | 0.8 | Pass |
| T3 | 140 - 120 | Inner Bracing | L 2 x 2 x 1/8 | 93 | -0.01 | 3.47 | 0.9 | Pass |
| T4 | 120 - 100 | Inner Bracing | L 2 x 2 x 1/8 | 130 | -0.01 | 2.52 | 1.0 | Pass |
| T5 | 100 - 80 | Inner Bracing | L 2 x 2 x 1/8 | 171 | -0.01 | 1.99 | 1.1 | Pass |
| T6 | 80 - 60 | Inner Bracing | L 2.5 x 2.5 x 3/16 | 196 | -0.01 | 4.49 | 0.8 | Pass |
| T7 | 60 - 40 | Inner Bracing | L 3 x 3 x 3/16 | 223 | -0.01 | 6.32 | 0.9 | Pass |
| T8 | 40 - 20 | Inner Bracing | L 3.5 x 3.5 x 1/4 | 250 | -0.02 | 10.88 | 0.7 | Pass |
| T 9 | 20 - 0 | Inner Bracing | L 3.5 x 3.5 x 1/4 | 277 | -0.02 | 9.08 | 0.7 | Pass |
| | | | | | | | Summary | |
| | | | | | | Leg (T9) | 37.9 | Pass |
| | | | | | | Diagonal (T8) | 56.7 | Pass |
| | | | | | | Horizontal (T6) | 59.6 | Pass |
| | | | | | | Top Girt (T1) | 0.7 | Pass |
| | | | | | | Inner Bracing | 1.1 | Pass |
| | | | | | | (T5) Bolt | 41.4 | Pass |
| | | | | | | Checks RATING = | 59.6 | Pass |

APPENDIX B BASE LEVEL DRAWING



APPENDIX C ADDITIONAL CALCULATIONS



1/13/2022 42921-0018.003.8700 Date ф JMF Project # Page

Self-Support Tower Anchor Rod Capacity - TIA-G

Loads

Ten.Shear: Tension: kips kips 283 Compression: Comp. Shear:

kips kips 246 31

TIA-G 1.00 Code: Maximum Ratio:

Existing Anchor Rods

Anchor Rod Condition (n) Anchor Rod ø: Anchor Rod Quantity:

16

A354 Gr. BC (1/4 to 2-1/2 incl.) Anchor Rod Grade:

109

ksi ksi

125

∞

0.61 Threads per Inch Net Tensile Area

. Iu

969.19 kip

0.80

0.362

Anchor Rod Ratio:

0.75 0.90

inches

k-ir

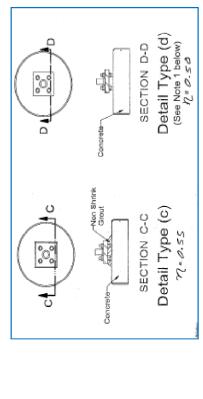
22.10

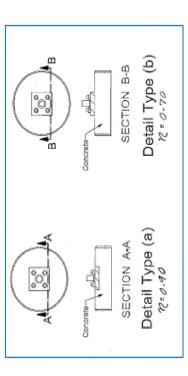
Comp. Mu:

a..

kips 530.14 $\phi_{\nu}R_{nv}$:

167.00 k-in







Job Number: Site Number: Site Name: 42921-0018.003.8700 469141 MADISON CT Page: By: Date: 1 JMF 1/13/2022

DRILLED PIER SOIL AND STEEL ANALYSIS - TIA-222-G Factored Base Reactions from RISA Safety Factors / Load Factors / Φ Factors Self-Supported Comp. (+) Tension (-) Tower Type = 0.0 k-ft Moment, Mu = ACI Code = ACI 318-08 0.0 Shear, Vu = 34.0 31.0 kips Seismic Design Category = Axial Load, Pu = 283.0 -246.0 kips Reference Standard = TIA-222-G Utilize Shear-Friction Methodology? Yes OTMu = 17.0 15.5 k-ft @ Ground Use 1.3 Load Factor? No Safety Factor Φ Factor **Drilled Pier Parameters** Soil Lateral Resistance = 2.00 0.75 Skin Friction = 2.00 0.75 Diameter = End Bearing = 2.00 0.75 0.5 ft Concrete Wt. Resist Uplift = Height Above Grade = 1.25 Depth Below Grade = 18 ft fc' = 4.5 ksi Load Combinations Checked per TIA-222-G εc = 0.003 in/in 1. (0.75) Ult. Skin Friction + (0.75) Ult. End Bearing + (0.75) Effective Soil Wt. - (1.2) Buoyant Conc. Wt. ≥ Comp. L / D Ratio = 3.08 2. (0.75) Ult. Skin Friction + (0.9) Buoyant Conc. Wt. ≥ Uplift Mat Ftdn, Cap Width = Mat Ftdn. Cap Length = Depth Below Grade = **Soil Parameters** Water Table Depth = *Note: The drilled pier foundation was analyzed using the methodology in the software 'PLS-Caisson' (Version 8.10, or Depth to Ignore Soil = 3.33 ft newer, by Power Line Systems, Inc.). Per the methods in PLS-Caisson, the soil reactions of cohesive soils are calculated Depth to Full Cohesion = using 8CD independent of the depth of the soil layer. The depth of soil to be ignored at the top of the drilled pier is based Full Cohesion Starts at?* Ground the recommendations of the site specific geotechnical report. In the absence of any recommendations, the frost depth at Above Full Cohesion Lateral Resistance = 4(Cohesion)(Dia)(H) the site or one half of the drilled pier diameter (whichever is greater) shall be ignored. Below Full Cohesion Lateral Resistance = 8(Cohesion)(Dia)(H) Steel Parameters **Direct Embed Pole Shaft Parameters** Rebar Ties Dia @ Grade = Dia @ Depth Below Grade = Number of Bars = 26 Number of Sides = Size = 60 60 ksi Thickness = MOE = 29000 ksi lksi Side Clear Cover to Ties = Backfill Condition = Top Clear Cover to Ties = **Maximum Capacity Ratios** Tie Upper Spacing = Tie Lower Spacing = 12 in Upper Tie Spacing Depth: Maximum Soil Ratio = Maximum Steel Ratio = 105.0% Apply 1.05 Normalization = **Define Soil Layers** Note: Cohesion = Undrained Shear Strengh = Unconfined Compressive Strength / 2 Friction Ultimate Comp. Ult. Tension Ult. Thicknes: **Unit Weight** Cohesion Angle **End Bearing** Skin Friction Skin Friction Depth ft psf degrees Soil Type psf psf psf ft 125 625 Clay 313 313 10 135 6250 Clay 3125 3125 Clay 36719 10 Soil Results: Overturning Soil Results: Uplift & Compression 246.00 kips Depth to COR = 14.78 ft, from Grade Uplift. Tu = Shear, Vu = 34.00 kips Uplift Capacity, $\Phi Tn =$ 534.96 kips Resisting Shear, ΦVn = 346.84 kips **UPLIFT RATIO =** 46.0% OK Bending Moment, Mu = 519.49 k-ft, from COR Resisting Moment, Φ Mn = 5299.39 k-ft, from COR Compression, Cu = 283.00 kips Comp. Capacity, Φ Cn = 1236.02 kips MOMENT/SHEAR RATIO = 9.8% OK COMPRESSION RATIO = 22.9% OK Steel Results (ACI 318-08): Shear Minimum Tie Size = Shear, Vu = 31.00 kips Maximum Tie Spacing = 18.05 Shear, $\Phi Vn =$ 367.27 kips Maximum Shear Reinf. Spacing = N/A 8.4% SHEAR RATIO = OK Minimum Tranverse Steel Area = Steel Results (ACI 318-08): Moment/Axial 13.66 sq in 190.54 kips @ 10.75 ft Below Grade Minimum Steel Area = Axial Load, Pu = 288.35 k-ft @ 10.75 ft Below Grade Actual Steel Area = Moment, Mu = 26.00 sq in Moment, ΦMn = 3112.10 k-ft Axial, Φ Pn (min) = 1404.00 kips, Where ФМn = 0 k-ft **MOMENT RATIO =** 9.3% Axial, Φ Pn (max) = 8857.71 kips, Where ΦMn = 0 k-ft



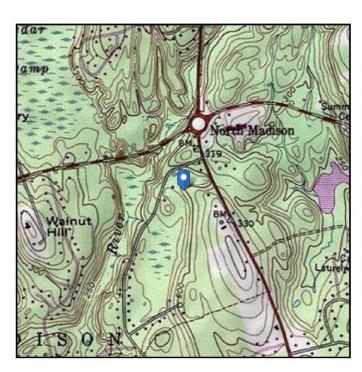
Address:

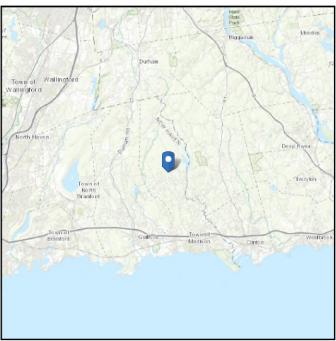
No Address at This Location

ASCE 7 Hazards Report

ASCE/SEI 7-10 **Elevation:** 297.61 ft (NAVD 88) Standard:

Risk Category: III Latitude: 41.356126 D - Stiff Soil Soil Class: Longitude: -72.63908





Wind

Results:

Wind Speed: 139 Vmph 10-year MRI 78 Vmph 25-year MRI 88 Vmph 50-year MRI 95 Vmph 100-year MRI 105 Vmph

Date &occessed: **XAS6GED8E137-2002** Fig. 26.5-1B and Figs. CC-1-CC-4, and Section 26.5.2, incorporating errata of March 12, 2014

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 7-10 Standard. Wind speeds correspond to approximately a 3% probability of exceedance in 50 years (annual exceedance probability = 0.000588, MRI = 1,700 years).

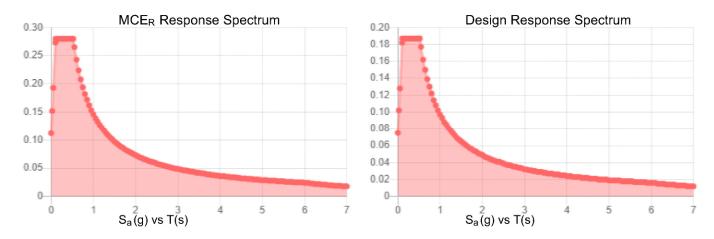
Site is in a hurricane-prone region as defined in ASCE/SEI 7-10 Section 26.2. Glazed openings need not be protected against wind-borne debris.



Seismic

| Site Soil Class: Results: | D - Stiff Soil | | | |
|------------------------------|----------------|--------------------|-------|--|
| S _s : | 0.175 | S _{DS} : | 0.187 | |
| S_1 : | 0.061 | S_{D1} : | 0.097 | |
| Fa: | 1.6 | T _L : | 6 | |
| F _v : | 2.4 | PGA: | 0.089 | |
| S _{MS} : | 0.28 | PGA _M : | 0.142 | |
| S _{M1} : | 0.146 | F _{PGA} : | 1.6 | |
| | | 1. • | 1 25 | |

Seismic Design Category B



Data Accessed: Wed Oct 13 2021

Date Source: USGS Seismic Design Maps based on ASCE/SEI 7-10, incorporating

Supplement 1 and errata of March 31, 2013, and ASCE/SEI 7-10 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with

ASCE/SEI 7-10 Ch. 21 are available from USGS.



lce

Results:

Ice Thickness: 0.75 in.

Concurrent Temperature: 15 F

Gust Speed: 50 mph

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

Date Accessed: Wed Oct 13 2021

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 50-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.

ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE 7 standard.

In using this Tool, you expressly assume all risks associated with your use. Under no circumstances shall ASCE or its officers, directors, employees, members, affiliates, or agents be liable to you or any other person for any direct, indirect, special, incidental, or consequential damages arising from or related to your use of, or reliance on, the Tool or any information obtained therein. To the fullest extent permitted by law, you agree to release and hold harmless ASCE from any and all liability of any nature arising out of or resulting from any use of data provided by the ASCE 7 Hazard Tool.

STANDARD CONDITIONS FOR FURNISHING OF PROFESSIONAL ENGINEERING SERVICES ON EXISTING STRUCTURES BY PAUL J. FORD AND COMPANY

- 1) Paul J. Ford and Company has not made a field inspection to verify the tower member sizes or the antenna/coax loading. If the existing conditions are not as represented on these drawings, we should be contacted immediately to evaluate the significance of the deviation.
- 2) No allowance was made for any damaged, missing, or rusted members. The analysis of this tower assumes that no physical deterioration has occurred in any of the structural components of the tower and that all the tower members have the same load carrying capacity as the day the tower was erected.
- 3) It is not possible to have all the detailed information to perform a thorough analysis of every structural subcomponent of an existing tower. The structural analysis by Paul J. Ford and Company verifies the adequacy of the main structural members of the tower. Paul J. Ford and Company provides a limited scope of service in that we cannot verify the adequacy of every weld, plate connection detail, etc.
- 4) The structural integrity of the existing tower foundation can only be verified if exact foundation sizes and soil conditions are known. Paul J. Ford and Company will not accept any responsibility for the adequacy of the existing foundations unless the foundation sizes and a soils report are provided.
- 5) This tower has been analyzed according to the minimum design wind loads recommended by the Telecommunications Industry Association Standard ANSI/TIA-222-G. If the owner or local or state agencies require a higher design wind load, Paul J. Ford and Company should be made aware of this requirement.
- 6) The enclosed sketches are a schematic representation of the tower that we have analyzed. If any material is fabricated from these sketches, the contractor shall be responsible for field verifying the existing conditions and for the proper fit and clearance in the field.
- 7) Miscellaneous items such as antenna mounts etc. have not been designed or detailed as a part of our work. We recommend that material of adequate size and strength be purchased from a reputable tower manufacturer.





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 ReAnalysis-VZW

SMART Tool Project #: 10126890 Maser Consulting Connecticut Project #: 21777866A (Rev. 2)

January 11, 2022

<u>Site Information</u> Site ID: 469141-VZW / MADISON CT

Site Name: MADISON CT
Carrier Name: Verizon Wireless
Address: 864 Opening Hill Rd.

Madison, Connecticut 06443

New Haven County

Latitude: 41.356126° Longitude: -72.639080°

<u>Structure Information</u> Tower Type: 180-Ft Self Support

Mount Type: 15.00-Ft Sector Frame

FUZE ID # 16092583

Analysis Results

Sector Frame: 62.7% 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: Nathan LaPorte



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: 324276, dated November 24, 2021 | |
| Mount Mapping Report | Hudson Design Group, LLC, Site ID: 469141, dated May 3, 2021 | |
| Construction Drawings | On Air Engineering, LLC Site Name: Madison CT, dated December 29, 2021 | |
| Previous Mount Analysis | Maser Consulting Connecticut Project #: 21777866A, dated November 29, 2021 | |

Analysis Criteria:

| Codes and Standards: | ANSI/TIA-222-H |
|----------------------|----------------|
| Codes and Standards. | ANOI/ HA-ZZZ-D |

| Wind Parameters: | Basic Wind Speed | d (Ultimate 3-sec | Gust) Vuit | 122 mnh |
|------------------|------------------|-------------------|------------|---------|
| | | | | |

Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: Ш Exposure Category: В Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, Ke: 0.989

Seismic Parameters: Ss: 0.21 g

 S_1 : 0.05 g

Maintenance Parameters: Wind Speed (3-sec. Gust): 3 mph

Maintenance Live Load, Lv: 250 lbs. Maintenance Live Load, Lm: 500 lbs.

Analysis Software: RISA-3D (V17)

Final Loading Configuration:

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

| Mount Elevation (ft) | Equipment Elevation (ft) | Quantity | Manufacturer | Model | Status |
|----------------------------|--------------------------------|--------------|-------------------|----------------|----------|
| 168.75 170.00 | 6 | JMA Wireless | MX06FRO660-03 | | |
| | 3 | Samsung | MT6407-77A | | |
| | 3 | Samsung | B2/B66A RRH-BR049 | Added | |
| | 3 | Samsung | B5/B13 RRH-BR04C | | |
| | 1 | Raycap | RVZDC-6627-PF-48 | | |
| | | 3 | CommScope | LNX-6514DS-A1M | Retained |

The recent mount mapping reported existing OVP units. 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:

- 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:

Channel, Solid Round, Angle, Plate
 HSS (Rectangular)
 Pipe
 Threaded Rod
 Bolts
 ASTM A36 (Gr. 36)
 ASTM 500 (Gr. B-46)
 ASTM A53 (Gr. B-35)
 F1554 (Gr. 36)
 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 |
|---------------------|---------------|-----------|
| Tie Back | 4.7% | Pass |
| Antenna Pipe | 24.9% | Pass |
| Dual Mounted Pipe | 18.6% | Pass |
| Standoff Bar | 62.7% | Pass |
| Standoff Vertical | 59.9% | Pass |
| Standoff Diagonal | 27.7% | Pass |
| Standoff Horizontal | 30.0% | Pass |
| Face Horizontal | 20.8% | Pass |
| Mount Connection | 26.0% | Pass |

| Structure Rating – (Controlling Utilization of all Components) | 62.7% |
|--|-------|
|--|-------|

^{*} 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 | Mount Pipes Excluded | | Mount Pipes Included | |
|-------------------|---------------------------|--------------------------|---------------------------|--------------------------|
| Thickness (In) | Front (EPA)a (Sq. Ft.) | Side (EPA)a (Sq. Ft.) | Front (EPA)a (Sq. Ft.) | Side (EPA)a (Sq. Ft.) |
| 0 | 22.5 | 14.4 | 34.9 | 26.9 |
| 0.5 | 32.8 | 21.6 | 50.3 | 39.1 |
| 1 | 42.6 | 28.2 | 65.1 | 50.7 |

Notes:

- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 1 sector(s).
- Ka factors included in (EPA)a calculations

January 11, 2022 Site ID: 469141-VZW / MADISON CT Page | 5

Requirements:

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

Replace existing mount pipe in position 3 on all sectors (Position 1 being on the left side of mount when looking from behind) with new 84" long P2 1/2 STD mount pipe. Connect to all existing face horizontal members using new crossover plates (VZWSMART-MSK1).

Proposed OVP to be placed on upper right-hand side of the standoff horizontal facing the tower, 48" from the face horizontal connection.

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
- 6. TIA Adoption and Wind Speed Usage Letter

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.vzwsmart.com.

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

PSLC #: 469141 SMART Project #: 10126890 Fuze Project ID: 16092583

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

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

Base Requirements:

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

Photo Requirements:

- Photos taken at ground level
 - Photo of Gate Signs showing the tower owner, site name, and number.
 - Overall tower structure after installation.
 - Photos of the mount after installation; if the mounts are at different rad elevations, pictures must be provided for all elevations that equipment was installed.
- Photos taken at Mount Elevation
 - Photos showing the safety climb wire rope above and below the mount prior to installation.
 - Photos showing the climbing facility and safety climb if present.
 - Photos showing each individual sector after installation. 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.
- o 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. |
|---|
| \Box 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 |
| \Box 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: |
| <mark>Issue:</mark> |
| Replace existing mount pipe in position 3 on all sectors (Position 1 being on the left side of mount when looking from behind) with new 84" long P2 1/2 STD mount pipe. Connect to all existing face horizontal members using new crossover plates (VZWSMART-MSK1). |
| Proposed OVP to be placed on upper right-hand side of the standoff horizontal facing the tower, 48" from the face horizontal connection. |
| Response: |
| |
| Special Instruction Confirmation: |
| \square The contractor has read and acknowledges the above special instructions. |
| \square All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected. |
| \Box 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. |

| \Box 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 th | nat the climbing facility / | safety climb was not damaged prior to starting work: | | |
| □Yes | □ No | | | |
| Contractor certifies no | <mark>o new damage created d</mark> | uring the current installation: | | |
| □Yes | □ No | | | |
| Contractor to certify t | he condition of the safe | ty climb and verify no damage when leaving the site: | | |
| □ Safety Climb | in Good Condition | ☐ Safety Climb Damaged | | |
| Certifying Individual: | | | | |
| Compan Employee Nam Contact Phon Ema Dat | e: e: il: | | | |

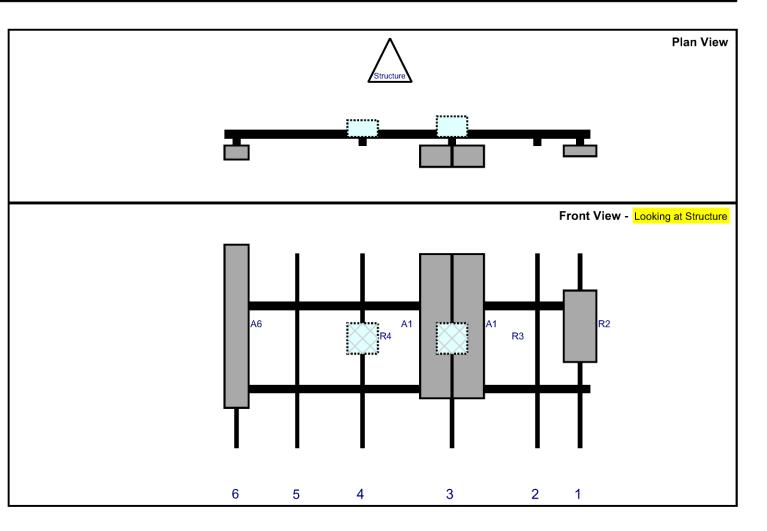
Structure: 469141-VZW - MADISON CT

Sector: **A** 1/11/2022

Structure Type: Self Support 10126890

Mount Elev: 168.75 Page: 1





| | | Height | Width | H Dist | Pipe | Pipe | Ant | C. Ant | Ant | | |
|------|--------------------------------|--------|-------|--------|------|-------|--------|--------|-------|----------|------------|
| Ref# | Model | (in) | (in) | Frm L. | # | Pos V | Pos | Frm T. | H Off | Status | Validation |
| R2 | MT6407-77A | 35.1 | 16.1 | 175 | 1 | а | Front | 36 | 0 | Added | |
| A5 | RVZDC-6627-PF-48 | 29.5 | 16.5 | 175 | 1 | а | Front | 36 | 0 | Added | |
| A1 | MX06FRO660-03 | 71.3 | 15.4 | 112 | 3 | а | Front | 36 | 8 | Added | |
| A1 | MX06FRO660-03 | 71.3 | 15.4 | 112 | 3 | b | Front | 36 | -8 | Added | |
| R3 | B2/B66A RRH-BR049 (RFV01U-D1A) | 15 | 15 | 112 | 3 | а | Behind | 42 | 0 | Added | |
| R4 | B5/B13 RRH-BR04C (RFV01U-D2A) | 15 | 15 | 68 | 4 | а | Behind | 42 | 0 | Added | |
| A6 | LNX-6514DS-A1M | 80.6 | 11.9 | 6 | 6 | а | Front | 36 | 0 | Retained | 05/04/2021 |
| OVP | RVZDC-6627-PF-48 | 29.5 | 16.5 | | Memb | er | | | | Added | |

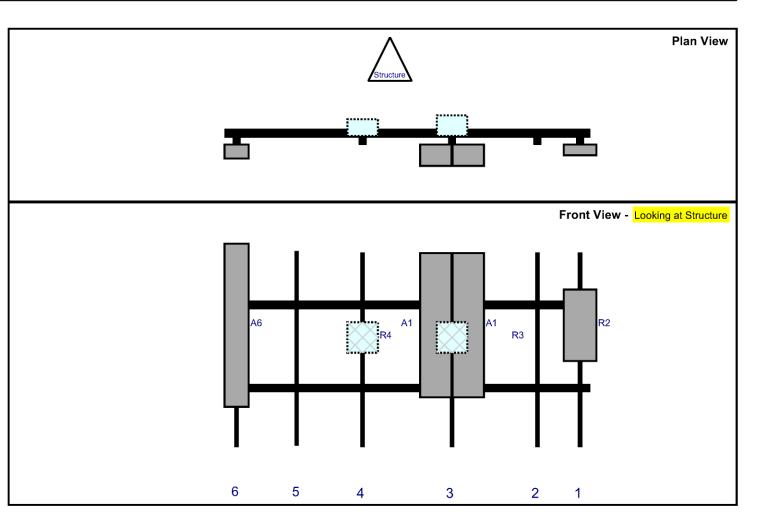
Structure: 469141-VZW - MADISON CT

Sector: **B** 1/11/2022

Structure Type: Self Support 10126890

Mount Elev: 168.75 Page: 2





| | | Height | Width | H Dist | Pipe | Pipe | Ant | C. Ant | Ant | | |
|------|--------------------------------|--------|-------|--------|------|-------|--------|--------|-------|----------|------------|
| Ref# | Model | (in) | (in) | Frm L. | # | Pos V | Pos | Frm T. | H Off | Status | Validation |
| R2 | MT6407-77A | 35.1 | 16.1 | 175 | 1 | а | Front | 36 | 0 | Added | |
| A1 | MX06FRO660-03 | 71.3 | 15.4 | 112 | 3 | а | Front | 36 | 8 | Added | |
| A1 | MX06FRO660-03 | 71.3 | 15.4 | 112 | 3 | b | Front | 36 | -8 | Added | |
| R3 | B2/B66A RRH-BR049 (RFV01U-D1A) | 15 | 15 | 112 | 3 | а | Behind | 42 | 0 | Added | |
| R4 | B5/B13 RRH-BR04C (RFV01U-D2A) | 15 | 15 | 68 | 4 | а | Behind | 42 | 0 | Added | |
| A6 | LNX-6514DS-A1M | 80.6 | 11.9 | 6 | 6 | а | Front | 36 | 0 | Retained | 05/04/2021 |

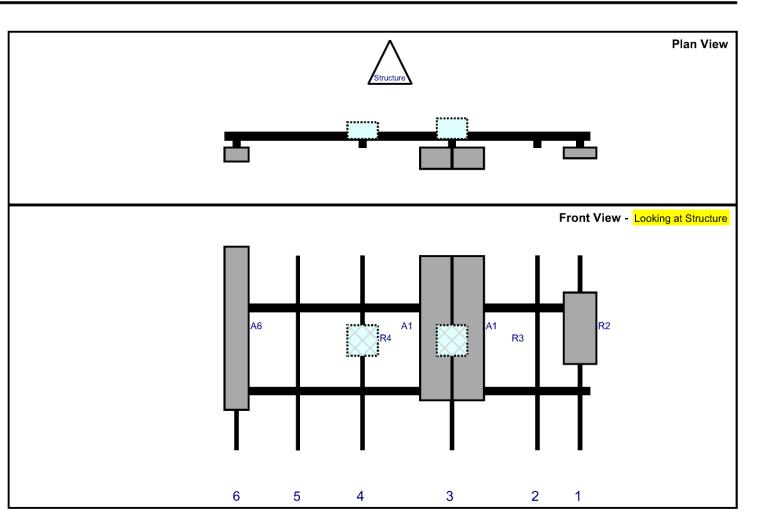
Structure: 469141-VZW - MADISON CT

Sector: **C** 1/11/2022

Structure Type: Self Support 10126890

Mount Elev: 168.75 Page: 3





| | | Height | Width | H Dist | Pipe | Pipe | Ant | C. Ant | Ant | | |
|------|--------------------------------|--------|-------|--------|------|-------|--------|--------|-------|----------|------------|
| Ref# | Model | (in) | (in) | Frm L. | # | Pos V | Pos | Frm T. | H Off | Status | Validation |
| R2 | MT6407-77A | 35.1 | 16.1 | 175 | 1 | а | Front | 36 | 0 | Added | |
| A1 | MX06FRO660-03 | 71.3 | 15.4 | 112 | 3 | а | Front | 36 | 8 | Added | |
| A1 | MX06FRO660-03 | 71.3 | 15.4 | 112 | 3 | b | Front | 36 | -8 | Added | |
| R3 | B2/B66A RRH-BR049 (RFV01U-D1A) | 15 | 15 | 112 | 3 | а | Behind | 42 | 0 | Added | |
| R4 | B5/B13 RRH-BR04C (RFV01U-D2A) | 15 | 15 | 68 | 4 | а | Behind | 42 | 0 | Added | |
| A6 | LNX-6514DS-A1M | 80.6 | 11.9 | 6 | 6 | а | Front | 36 | 0 | Retained | 05/04/2021 |





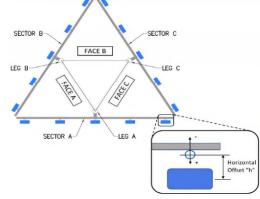


FCC# **Antenna Mount Mapping Form (PATENT PENDING)** Mapping Date: Tower Type: AMERICAN TOWER CO. Tower Owner: 5/3/2021 Site Name: MADISON CT Self Support Site Number or ID: 469141 Tower Height (Ft.): Mapping Contractor: HUDSON DESIGN GROUP, LLC Mount Elevation (Ft.): 172.41

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 warrantying the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.

Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.

| | | Mount Pip | e Configurat | tion and G | eometries [Unit = Inches] | | |
|----------------------|----------------------------------|--|--|----------------------|---|--|--|
| Sector / Position | Mount Pipe Size & Length | Vertical Offset Dimension "u" | Horizontal Offset "C1, C2, C3, etc." | Sector / Position | Mount Pipe Size & Length | Vertical Offset Dimension "u" | Horizontal Offset "C1, C2, C3, etc." |
| A1 | 2" STD PIPE X 96" LONG | 67.00 | 6.00 | C1 | 2" STD PIPE X 96" LONG | 67.00 | 6.00 |
| A2 | 2" STD PIPE X 60" LONG | 57.00 | 25.00 | C2 | 2" STD PIPE X 60" LONG | 57.00 | 25.00 |
| A3 | 2" STD PIPE X 96" LONG | 67.00 | 88.00 | C3 | 2" STD PIPE X 96" LONG | 67.00 | 88.00 |
| A4 | 2" STD PIPE X 60" LONG | 57.00 | 112.00 | C4 | 2" STD PIPE X 60" LONG | 57.00 | 112.00 |
| A5 | 2" STD PIPE X 96" LONG | 67.00 | 136.00 | C5 | 2" STD PIPE X 96" LONG | 67.00 | 136.00 |
| A6 | 2" STD PIPE X 96" LONG | 67.00 | 175.00 | C6 | 2" STD PIPE X 96" LONG | 67.00 | 175.00 |
| B1 | 2" STD PIPE X 96" LONG | 67.00 | 6.00 | D1 | | | |
| B2 | 2" STD PIPE X 60" LONG | 57.00 | 25.00 | D2 | | | |
| B3 | 2" STD PIPE X 96" LONG | 67.00 | 88.00 | D3 | | | |
| B4 | 2" STD PIPE X 60" LONG | 57.00 | 112.00 | D4 | | | |
| B5 | 2" STD PIPE X 96" LONG | 67.00 | 136.00 | D5 | | | |
| B6 | 2" STD PIPE X 96" LONG | 67.00 | 175.00 | D6 | | | |
| | Distance between bottom ra | il and mou | nt CL elevat | ion (dim d |). Unit is inches. See 'Mount Elev Ref' tab f | or details. : | 17.50 |
| | Distance from t | op of botto | m support | rail to low | est tip of ant./eqpt. of Carrier above. (N/A | if > 10 ft.): | |
| | Distance from to | op of botto | m support r | ail to high | est tip of ant./eqpt. of Carrier below. (N/A | if > 10 ft.): | |
| | | Please ent | er additiona | al infomati | ion or comments below. | | |
| | | | | | | | |
| | | | | | | | |
| Tower Fac | e Width at Mount Elev. (ft.): | 8.83 | Tower Log S | Fiza or Bolo | Shaft Diameter at Mount Elev. (in.): | | 3.5 |
| | | | | | | | 5.5 |
| FOR I-Arm | s/Platforms on monopoles, report | the weld siz | e from the n | nain stando | off to the plate bolting into the collar mount. | | |



| | Enter antenn | a model. | If not label | ed, enter " | 'Unknown" | | Mountir [Units are inc | Photos of antennas | | |
|--------------------|----------------------------|----------------|----------------|-----------------|-------------------------|----------------------------------|---|---|---------------------------------|------------------|
| Ants. Items | Antenna Models if Known | Width (in.) | Depth (in.) | Height (in.) | Coax Size and Qty | Antenna Center- line (Ft.) | Vertical Distances"b _{1a} , b _{2a} , b _{3a} , b _{1b} " (Inches) | Horiz. Offset "h" (Use "-" if Ant. is behind) | Antenna Azīmuth (Degrees) | Photo Numbers |
| | | | | | Sector A | | | | | |
| Ant _{1a} | | | | | | | | | | |
| Ant _{1b} | SBNHH-1D65B | 12.00 | 7.00 | 73.00 | | 173.868 | 32.00 | 8.00 | 40.00 | 5,60 |
| Ant _{1c} | | | | | | | | | | |
| Ant _{2a} | B4 RRH 4X45 | 11.00 | 5.50 | 36.00 | | 173.952 | 21.00 | -7.00 | | 5,60 |
| Ant₂ь | BXA-70063/6CF | 11.00 | 5.00 | 71.00 | | 173.035 | 32.00 | 8.00 | 40.00 | 6,61 |
| Ant _{2c} | | | | | | | | | | |
| Ant _{3a} | | | | | | | | | | |
| Ant _{3b} | SBNHH-1D65B | 12.00 | 7.00 | 73.00 | | 173.868 | 32.00 | 8.00 | 40.00 | 7,62 |
| Ant₃c | | | | | | | | | | |
| Ant _{4a} | B13 RRH 4X30 | 12.00 | 7.50 | 20.50 | | 174.868 | 10.00 | -7.00 | | 7,62 |
| Ant _{4b} | SBNHH-1D65B | 12.00 | 7.00 | 73.00 | | 173.035 | 32.00 | 8.00 | 40.00 | 7,63 |
| Ant _{4c} | | | | | | | | | | |
| Ant _{5a} | | | | | | | | | | |
| Ant _{5b} | | | | | | | | | | |
| Ant _{5c} | | | | | | | | | | |
| Ant on Standoff | | | | | | | | | | |
| Ant on | | | | | | | | | | |
| Standoff | | | | | - | | | | | |
| Ant on Tower | | | | | | | | | | |
| Ant on Tower | | | | | | | | | | |

| bit bid | Antia A | Antza Antza | Antso # | Antab | Ants |
|------------|-----------------|--------------------|---------|------------------|-------|
| | p _{2c} | - p ₃ c | - å . | p ₂ e | # |
| C1 | Antic | Antze | Antse | Ant4c | Antso |
| - | C2 | C3 C4 | C5 | _ | |

| | | | | | | _ | | | | | | | | | | |
|----------------------|-------------------|----------------------------|------------|--|---|--|-----------------------------|-------|--------------|----------------|----------|--------------------|----------------|---------------|--------|-------|
| | | th (Degre | e) | | muth (Degree) | | | | | | Sector B | | | | | |
| Sector A: | for Each 40.00 | _ | Leg A: | for Each 0.00 | Deg | Ant _{1a} Ant _{1b} | SBNHH-1D65B | 12.00 | 7.00 | 73.00 | | 173.868 | 32.00 | 8.00 | 170.00 | 9,64 |
| Sector B: | 170.0 | 8 | Leg B: | 120.00 | Deg | Ant _{1c} | 5511111 15035 | 12.00 | 7.00 | 75.00 | | 175.000 | 32.00 | 0.00 | 170.00 | 3,04 |
| Sector C: | 280.0 | | Leg C: | 240.00 | Deg | Ant _{2a} | B4 RRH 4X45 | 11.00 | 5.50 | 36.00 | | 173.952 | 21.00 | -7.00 | | 9,64 |
| Sector D: | | Deg | Leg D: | | Deg | Antzb | BXA-70063/6CF | 11.00 | 5.00 | 71.00 | | 173.035 | 32.00 | 8.00 | 170.00 | 10,65 |
| | | | bing Fac | ility Information | | Ant _{2c} | | | | | | | | | | |
| Location: | 120.0 | - | | Sector B | | Ant _{3a} | CDNUUL ADCED | 12.00 | 7.00 | 72.00 | | 172.000 | 22.00 | 0.00 | 170.00 | 11.66 |
| Climbing | Cor | rosion Typ Access: | oe: | Minor corrosion obs Climbing path was u | | Ant _{3b} Ant _{3c} | SBNHH-1D65B | 12.00 | 7.00 | 73.00 | | 173.868 | 32.00 | 8.00 | 170.00 | 11,66 |
| Facility | (| Condition: | | Good condition. | nobstracted. | Ant _{4a} | B13 RRH 4X30 | 12.00 | 7.50 | 20.50 | | 174.868 | 10.00 | -7.00 | | 11,66 |
| | | | | | | Ant _{4b} | SBNHH-1D65B | 12.00 | 7.00 | 73.00 | | 173.035 | 32.00 | 8.00 | 170.00 | 12,67 |
| | | | | | | Ant _{4c} | | | | | | | | | | |
| | | | | | | Ant _{5a} | | | | | | | | | | |
| | | | | | | Ant _{5b} | | | | | | | | | | |
| | | | | | | Ant _{5c} | | | | | | | | | | |
| | | | | | | Standoff | | | | | | | | | | |
| | | | | | | Ant on Standoff | | | | | | | | | | |
| - | | | | | | Ant on | | | | | | | | | | |
| Plea | ase insert | a photo o | f the mo | ount centerline measu | rement here. | Tower | | | | | | | | | | |
| | | | | | | Ant on Tower | | | | | | | | | | |
| | | | | | | | | | | | Sector C | | | | | |
| | | | | | | Ant _{1a} | an | | | | | 400.000 | | | 257.5 | |
| | | | | | | Ant _{1b} | SBNHH-1D65B | 12.00 | 7.00 | 73.00 | | 173.868 | 32.00 | 8.00 | 280.00 | 18,68 |
| | | | | | | Ant _{1c} | B4 RRH 4X45 | 11.00 | 5.50 | 36.00 | | 173.952 | 21.00 | -7.00 | | 18,68 |
| | | | | | | Antzb | BXA-70063/6CF | 11.00 | 5.00 | 71.00 | | 173.035 | 32.00 | 8.00 | 280.00 | 19,69 |
| | | | | | | Ant _{2c} | , | | | | | | | | | · |
| | | m | TI | | | Ant _{3a} | | | | | | | | | | |
| [| 1 | 라베 | Hå | | | Ant _{3b} | SBNHH-1D65B | 12.00 | 7.00 | 73.00 | | 173.868 | 32.00 | 8.00 | 280.00 | 20,69 |
| | | | | | | Ant₃c | | | | | | | | | | |
| c | | | + | b | | Ant _{4a} Ant _{4b} | B13 RRH 4X30 SBNHH-1D65B | 12.00 | 7.50 7.00 | 20.50 73.00 | | 174.868 173.035 | 10.00 32.00 | -7.00 8.00 | 280.00 | 20,69 |
| | П | . 111 | | THE OF EQUIPMENT | Ī | Ant _{4c} | 3BMHH-1D03B | 12.00 | 7.00 | 73.00 | | 173.033 | 32.00 | 8.00 | 280.00 | 20,69 |
| Г | | $\neg \parallel \parallel$ | | 1 🗆 | DISTANCE FROM TOP OF MAIN PLATFORM MEMBER TO LOWEST TIP OF ANTI-FOSTY, OF CARRIER ABOVE. (N/A IF > 10 FT.) | Ant _{5a} | | | | | | | | | | |
| - | | + | 1111 | | (N/A IF > 10 FE.) | Ant _{5b} | | | | | | | | | | |
| | | | | <u> </u> | l T | Ant _{5c} | | | | | | | | | | |
| EXETING PLATFORM- | | | U U | Ē | DISTANCE FROM TOP OF MAIN PLATFORM MEMBER TO HIGHEST TIP OF ARRIER BELOW. (N/A IF > 10 FT.) | Ant on Standoff | | | | | | | | | | |
| - | Д | பு | П., | TIP OF EQUIPMENT | | Ant on | | | | | | | | | | |
| | | | | | | Standoff Ant on | | | | | | | | | | |
| c | | 1 | 3 | | | Tower | | | | | | | | | | |
| | | | - | | | Ant on | | | | | | | | | | |
| | | FOR PLA | TEORMS | | | Tower | | | | | Sector D | | | | | |
| | 1 | Ĥ. | n | | | Ant _{1a} | | | | | | | | | | |
| c | | - | | 1 | | Ant _{1b} | | | | | | | | | | |
| | | | | <u> </u> | | Ant _{1c} | | | | | | | | | | |
| 7 | _ | 4 | | TIP OF EQUIPMEN | <u> </u> | Ant _{2a} | | | | | | | | | | |
| | | | | | | Ant _{2b} | | | | | | | | | | |
| | | | | | DISTANCE FROM TOP OF BOTTOM SUPPORT BAIL TO LOWEST TIP OF AMI./EDFT. OF CARRIER ABOVE. (N/A F > 10 FL) | Ant _{3a} | | | | | | | | | | |
| - | | | | j | | Ant _{3b} | | | | | | | | | | |
| E | 1 | | | | + | Ant _{3c} | | | | | | | | | | |
| EXISTING SECTOR FROM | AME—/ | π, | / | T | DISTANCE FROM TOP OF BOTTOM SUPPORT RAIL TO HIGHEST TIP OF ANT./EQPT. OF CARRIER BELOW. (N/A IF > 10 FT.) | Ant _{4a} | | | | | | | | | | |
| - | | . | 1 | TIP OF EQUIPMEN | | Ant _{4b} | | | | | | | | | | |
| L | | m I | | П | | Ant _{4c} Ant _{5a} | | | | | | | | | | |
| • | | 1 📑 | | 1 | | Ant _{5b} | | | | | | | | | | |
| | | | - | <u> </u> | | Ant _{5c} | | | | | | | | | | |
| <u>_</u> | _ | <u> </u> | | ا آ | | Ant on | | | | | | | | | | |
| For T-Arms | /Platforms | on monor | ooles, red | ord the weld size from | the main standoff | Standoff Ant on | | | | | | | | | | |
| | | | | lar. See below for refer | | Standoff | | | | | | | | | | |
| 11 | | | | | // | Ant on Tower | | | | | | | | | | |
| 77 | | | | _ | \checkmark | Ant on | | | | | | | | | | |
| 1 | 15 | <u> </u> | | | | Tower | | | | | | | | | | |
| " | M | Ţ | ` | REPORT WE STANDOFF INTO COLL | ELD SIZE FROM TO PLATE BOLTING AR MOUNT. | | | | | | | | | | | |

| | Observed Safety and Structural Issues During the Mount Mapping | | | | | | | |
|---------|--|---------|--|--|--|--|--|--|
| Issue # | Description of Issue | Photo # | | | | | | |
| 1 | Miner corrosion observed | 65 | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |

| Observed Obstructions to Tower Lighting System | | | | | | | | | | |
|--|-------|---|----------------------|--|--|--|--|--|--|--|
| f the tower lighting system is being obstructed by the carrier's equipment (for example: a light nested by the antennas), please provide photos and fill in the information below. | | | | | | | | | | |
| Description of Obstruction: | | | | | | | | | | |
| Type of Light: | Photo | # | Additional Comments: | | | | | | | |
| Lighting Technology: | Photo | # | | | | | | | | |
| Elevation (AGL) at base of light (Ft.): | Photo | # | | | | | | | | |
| Is a service loop available? | Photo | # | | | | | | | | |
| Is beacon installed on an extension? | Photo | # | | | | | | | | |

Mapping Notes

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

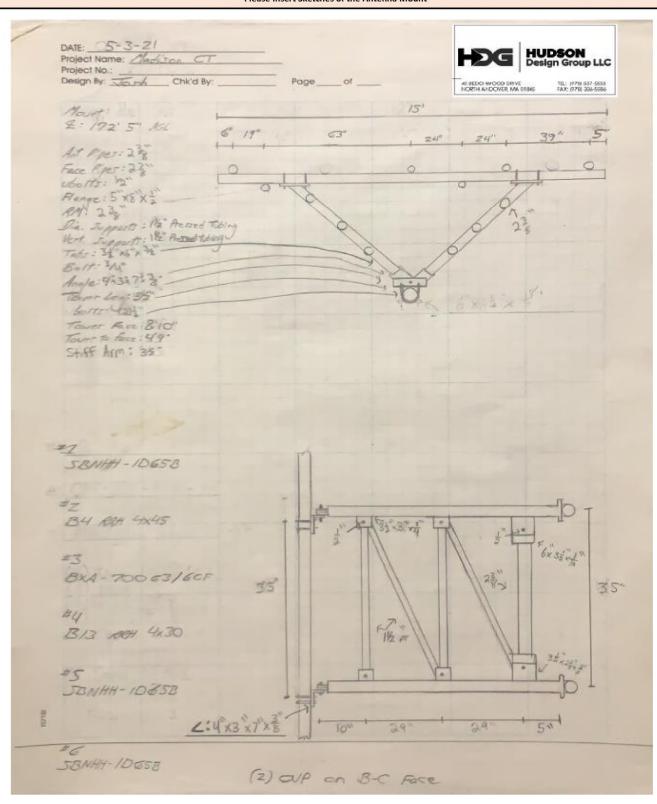
V4.0 Updated on 3-31-2021

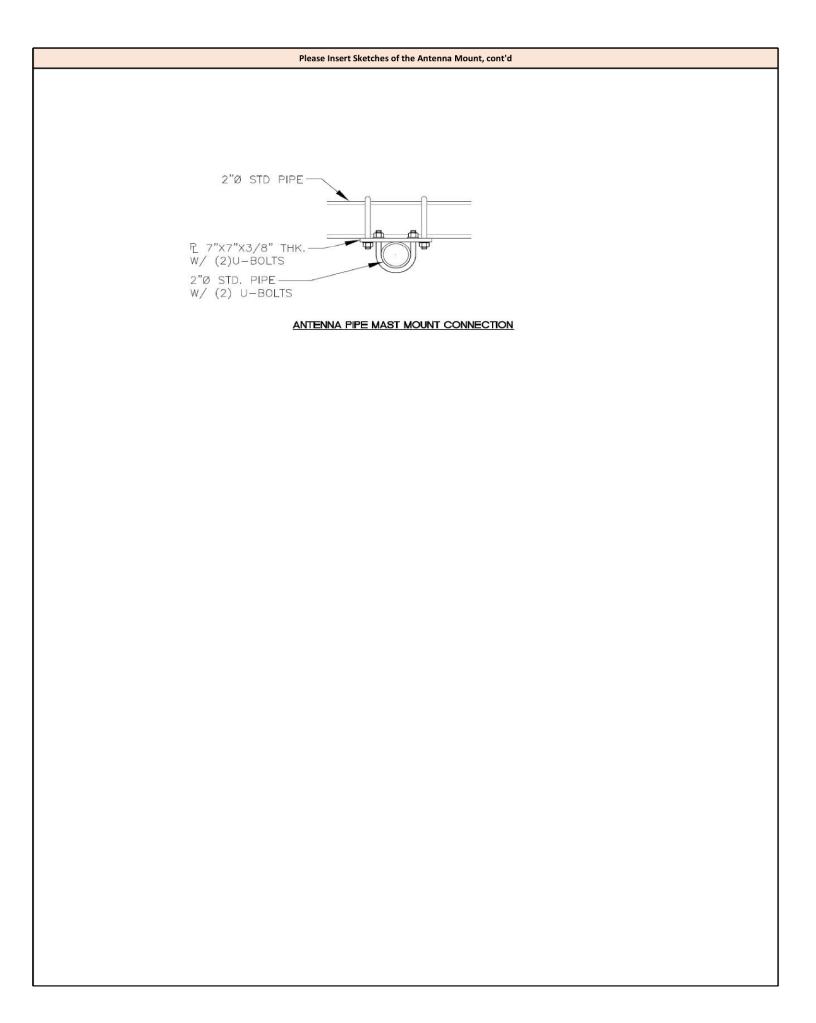


FCC# **Antenna Mount Mapping Form (PATENT PENDING)** AMERICAN TOWER CO. Tower Owner: Mapping Date 5/3/2021 Site Name: MADISON CT Self Support Tower Type: Site Number or ID: 469141 Tower Height (Ft.): HUDSON DESIGN GROUP, LLC Mount Elevation (Ft.): 172 41 Mapping Contractor:

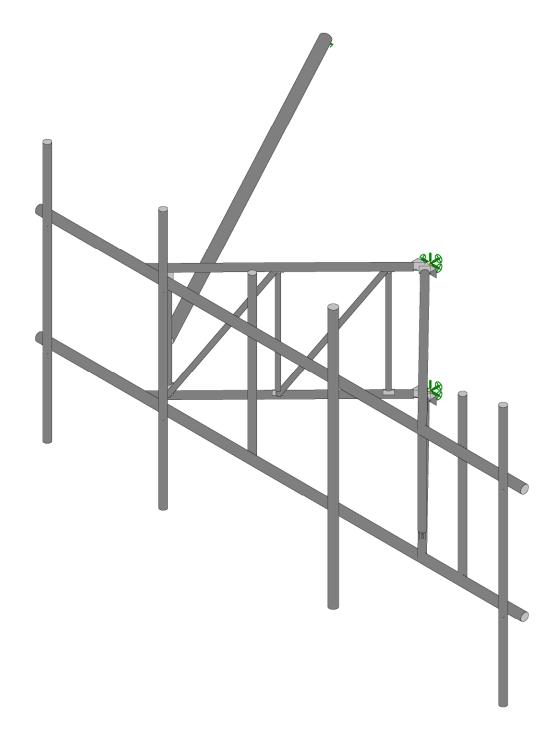
This antenna mapping form is the property of TES and under PATENT PENDING. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited 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 warrantying 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







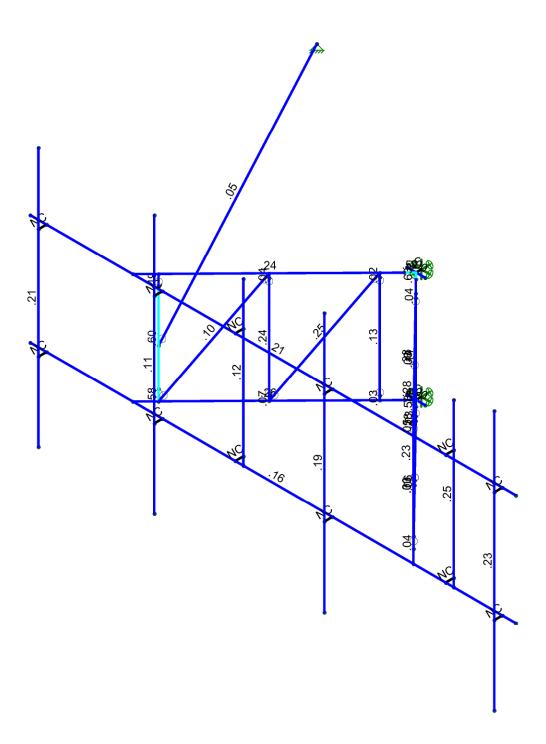


Envelope Only Solution

| Maser Consulting | | SK - 1 |
|------------------|----------------|---------------------------|
| NL | Mount Analysis | Jan 11, 2022 at 1:32 PM |
| 21777866A | | 469141-VZW_MT_LOT_A_H.r3d |





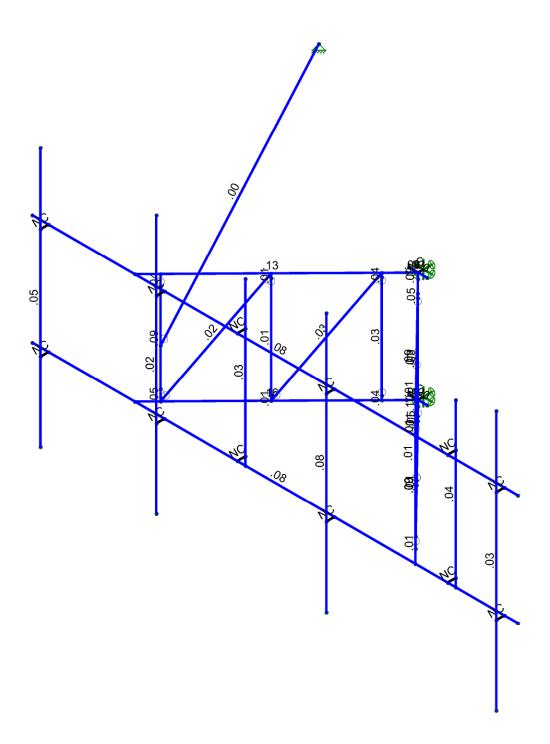


Member Code Checks Displayed (Enveloped) Envelope Only Solution

| Maser Consulting | | SK - 2 |
|------------------|----------------|---------------------------|
| NL | Mount Analysis | Jan 11, 2022 at 1:32 PM |
| 21777866A | | 469141-VZW_MT_LOT_A_H.r3d |







Member Shear Checks Displayed (Enveloped) Envelope Only Solution

| Maser Consulting | | SK - 3 |
|------------------|----------------|---------------------------|
| NL | Mount Analysis | Jan 11, 2022 at 1:32 PM |
| 21777866A | | 469141-VZW_MT_LOT_A_H.r3d |

: Maser Consulting : NL : 21777866A : Mount Analysis Company Designer Job Number Model Name

Jan 11, 2022 1:33 PM Checked By: DH

Basic Load Cases

| | BLC Description | Category | X Grav | .Y Grav | .Z Grav | Joint | Point | Distrib | Area(M | Surfac |
|----|------------------------|----------|--------|---------|---------|-------|-------|---------|--------|--------|
| 1 | Antenna D | None | | | | | 33 | | , | |
| 2 | Antenna Di | None | | | | | 33 | | | |
| 3 | Antenna Wo (0 Deg) | None | | | | | 33 | | | |
| 4 | Antenna Wo (30 Deg) | None | | | | | 33 | | | |
| 5 | Antenna Wo (60 Deg) | None | | | | | 33 | | | |
| 6 | Antenna Wo (90 Deg) | None | | | | | 33 | | | |
| 7 | Antenna Wo (120 Deg) | None | | | | | 33 | | | |
| 8 | Antenna Wo (150 Deg) | None | | | | | 33 | | | |
| 9 | Antenna Wo (180 Deg) | None | | | | | 33 | | | |
| 10 | Antenna Wo (210 Deg) | None | | | | | 33 | | | |
| 11 | Antenna Wo (240 Deg) | None | | | | | 33 | | | |
| 12 | Antenna Wo (270 Deg) | None | | | | | 33 | | | |
| 13 | Antenna Wo (300 Deg) | None | | | | | 33 | | | |
| 14 | Antenna Wo (330 Deg) | None | | | | | 33 | | | |
| 15 | Antenna Wi (0 Deg) | None | | | | | 33 | | | |
| 16 | Antenna Wi (30 Deg) | None | | | | | 33 | | | |
| 17 | Antenna Wi (60 Deg) | None | | | | | 33 | | | |
| 18 | Antenna Wi (90 Deg) | None | | | | | 33 | | | |
| 19 | Antenna Wi (120 Deg) | None | | | | | 33 | | | |
| 20 | Antenna Wi (150 Deg) | None | | | | | 33 | | | |
| 21 | Antenna Wi (180 Deg) | None | | | | | 33 | | | |
| 22 | Antenna Wi (210 Deg) | None | | | | | 33 | | | |
| 23 | Antenna Wi (240 Deg) | None | | | | | 33 | | | |
| 24 | Antenna Wi (270 Deg) | None | | | | | 33 | | | |
| 25 | Antenna Wi (300 Deg) | None | | | | | 33 | | | |
| 26 | Antenna Wi (330 Deg) | None | | | | | 33 | | | |
| 27 | Antenna Wm (0 Deg) | None | | | | | 33 | | | |
| 28 | Antenna Wm (30 Deg) | None | | | | | 33 | | | |
| 29 | Antenna Wm (60 Deg) | None | | | | | 33 | | | |
| 30 | Antenna Wm (90 Deg) | None | | | | | 33 | | | |
| 31 | Antenna Wm (120 Deg) | None | | | | | 33 | | | |
| 32 | Antenna Wm (150 Deg) | None | | | | | 33 | | | |
| 33 | Antenna Wm (180 Deg) | None | | | | | 33 | | | |
| 34 | Antenna Wm (210 Deg) | None | | | | | 33 | | | |
| 35 | Antenna Wm (240 Deg) | None | | | | | 33 | | | |
| 36 | Antenna Wm (270 Deg) | None | | | | | 33 | | | |
| 37 | Antenna Wm (300 Deg) | None | | | | | 33 | | | |
| 38 | Antenna Wm (330 Deg) | None | | | | | 33 | | | |
| 39 | Structure D | None | | -1 | | | | | | |
| 40 | Structure Di | None | | | | | | 41 | | |
| 41 | Structure Wo (0 Deg) | None | | | | | | 82 | | |
| 42 | Structure Wo (30 Deg) | None | | | | | | 82 | | |
| 43 | Structure Wo (60 Deg) | None | | | | | | 82 | | |
| 44 | Structure Wo (90 Deg) | None | | | | | | 82 | | |
| 45 | Structure Wo (120 Deg) | None | | | | | | 82 | | |
| 46 | Structure Wo (150 Deg) | None | | | | | | 82 | | |
| 47 | Structure Wo (180 Deg) | None | | | | | | 82 | | |
| 48 | Structure Wo (210 Deg) | None | | | | | | 82 | | |
| 49 | Structure Wo (240 Deg) | None | | | | | | 82 | | |
| 50 | Structure Wo (270 Deg) | None | | | | | | 82 | | |
| 51 | Structure Wo (300 Deg) | None | | | | | | 82 | | |
| 52 | Structure Wo (330 Deg) | None | | | | | | 82 | | |
| 53 | Structure Wi (0 Deg) | None | | | | | | 82 | | |
| 54 | Structure Wi (30 Deg) | None | | | | | | 82 | | |
| 55 | Structure Wi (60 Deg) | None | | | | | | 82 | | |
| 56 | Structure Wi (90 Deg) | None | | | | | | 82 | | |

Company Designer Job Number : Maser Consulting : NL : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

Basic Load Cases (Continued)

| | BLC Description | Category | X Grav | .Y Grav | .Z Grav | Joint | Point | Distrib | . Area(M. | .Surfac |
|----|------------------------|----------|--------|---------|---------|-------|-------|---------|-----------|---------|
| 57 | Structure Wi (120 Deg) | None | | | | | | 82 | , | |
| 58 | Structure Wi (150 Deg) | None | | | | | | 82 | | |
| 59 | Structure Wi (180 Deg) | None | | | | | | 82 | | |
| 60 | Structure Wi (210 Deg) | None | | | | | | 82 | | |
| 61 | Structure Wi (240 Deg) | None | | | | | | 82 | | |
| 62 | Structure Wi (270 Deg) | None | | | | | | 82 | | |
| 63 | Structure Wi (300 Deg) | None | | | | | | 82 | | |
| 64 | Structure Wi (330 Deg) | None | | | | | | 82 | | |
| 65 | Structure Wm (0 Deg) | None | | | | | | 82 | | |
| 66 | Structure Wm (30 Deg) | None | | | | | | 82 | | |
| 67 | Structure Wm (60 Deg) | None | | | | | | 82 | | |
| 68 | Structure Wm (90 Deg) | None | | | | | | 82 | | |
| 69 | Structure Wm (120 Deg) | None | | | | | | 82 | | |
| 70 | Structure Wm (150 Deg) | None | | | | | | 82 | | |
| 71 | Structure Wm (180 Deg) | None | | | | | | 82 | | |
| 72 | Structure Wm (210 Deg) | None | | | | | | 82 | | |
| 73 | Structure Wm (240 Deg) | None | | | | | | 82 | | |
| 74 | Structure Wm (270 Deg) | None | | | | | | 82 | | |
| 75 | Structure Wm (300 Deg) | None | | | | | | 82 | | |
| 76 | Structure Wm (330 Deg) | None | | | | | | 82 | | |
| 77 | Lm1 | None | | | | | 1 | | | |
| 78 | Lm2 | None | | | | | 1 | | | |
| 79 | Lv1 | None | | | | | 1 | | | |
| 80 | Lv2 | None | | | | | 1 | | | |
| 81 | Antenna Ev | None | | | | | 33 | | | |
| 82 | Antenna Eh (0 Deg) | None | | | | | 22 | | | |
| 83 | Antenna Eh (90 Deg) | None | | | | | 22 | | | |
| 84 | Structure Ev | ELY | | 045 | | | | | | |
| 85 | Structure Eh (0 Deg) | ELZ | | | 111 | | | | | |
| 86 | Structure Eh (90 Deg) | ELX | .111 | | | | | | | |

Load Combinations

| | Description | Solve | Р | S | В | Fa | В | Fa | BLC | Fa | В | Fa | В | Fa | В | Fa | В | Fa | В | Fa | В | Fa | В | Fa |
|-----|---------------------------|-------|---|---|---|-----|----|-----|-----|----|----|----|----|----|----|-----|---|----|---|----|---|----|---|----|
| 1 | 1.2D+1.0Wo (0 Deg) | | | Ū | 1 | | | 1.2 | | 1 | 41 | 1 | | | | | | | | | | | | |
| 2 | 1.2D+1.0Wo (30 Deg) | Yes | | | 1 | 1.2 | | | | 1 | 42 | 1 | | | | | | | | | | | | |
| 3 | 1.2D+1.0Wo (60 Deg) | Yes | Υ | | 1 | 1.2 | 39 | 1.2 | 5 | 1 | 43 | 1 | | | | | | | | | | | | |
| 4 | 1.2D+1.0Wo (90 Deg) | Yes | Υ | | 1 | 1.2 | 39 | 1.2 | 6 | 1 | 44 | 1 | | | | | | | | | | | | |
| _ 5 | 1.2D+1.0Wo (120 Deg) | Yes | Υ | | 1 | 1.2 | 39 | 1.2 | 7 | 1 | 45 | 1 | | | | | | | | | | | | |
| 6 | 1.2D+1.0Wo (150 Deg) | Yes | Υ | | 1 | 1.2 | 39 | 1.2 | 8 | 1 | 46 | 1 | | | | | | | | | | | | |
| 7 | 1.2D+1.0Wo (180 Deg) | Yes | | | 1 | | | 1.2 | | 1 | 47 | 1 | | | | | | | | | | | | |
| 8 | 1.2D+1.0Wo (210 Deg) | Yes | | | 1 | 1.2 | | 1.2 | | 1 | 48 | 1 | | | | | | | | | | | | |
| 9 | 1.2D+1.0Wo (240 Deg) | Yes | | | 1 | 1.2 | | | | 1 | 49 | 1 | | | | | | | | | | | | |
| 10 | 1.2D+1.0Wo (270 Deg) | Yes | | | 1 | 1.2 | | 1.2 | 12 | 1 | 50 | 1 | | | | | | | | | | | | |
| 11 | 1.2D+1.0Wo (300 Deg) | Yes | | | 1 | 1.2 | | 1.2 | 13 | 1 | 51 | 1 | | | | | | | | | | | | |
| 12 | 1.2D+1.0Wo (330 Deg) | | | | 1 | 1.2 | | 1.2 | | 1 | 52 | 1 | | | | | | | | | | | | |
| 13 | 1.2D + 1.0Di + 1.0Wi (0 . | | | | 1 | 1.2 | | 1.2 | 2 | 1 | 40 | 1 | 15 | 1 | 53 | 1_ | | | | | | | | |
| 14 | 1.2D + 1.0Di + 1.0Wi (3 | | | | 1 | 1.2 | | 1.2 | | 1 | 40 | 1_ | 16 | 1 | 54 | _1_ | | | | | | | | |
| 15 | 1.2D + 1.0Di + 1.0Wi (6 | | | | 1 | 1.2 | | 1.2 | | 1 | 40 | 1 | 17 | 1 | 55 | _1_ | | | | | | | | |
| 16 | 1.2D + 1.0Di + 1.0Wi (9 | | | | 1 | 1.2 | | | | 1 | 40 | 1 | 18 | 1 | 56 | 1_ | | | | | | | | |
| 17 | 1.2D + 1.0Di + 1.0Wi (1 | | | | 1 | | 39 | 1.2 | | 1 | 40 | 1 | 19 | 1 | 57 | 1 | | | | | | | | |
| 18 | 1.2D + 1.0Di + 1.0Wi (1 | | | | 1 | 1.2 | | 1.2 | 2 | 1 | 40 | 1 | 20 | 1 | 58 | 1_ | | | | | | | | |
| 19 | 1.2D + 1.0Di + 1.0Wi (1 | | | | 1 | 1.2 | | 1.2 | 2 | 1 | 40 | 1 | 21 | 1 | 59 | 1_ | | | | | | | | |
| 20 | 1.2D + 1.0Di + 1.0Wi (2 | | | | 1 | 1.2 | | 1.2 | | 1 | 40 | 1 | 22 | 1 | 60 | 1_ | | | | | | | | |
| 21 | 1.2D + 1.0Di + 1.0Wi (2 | | | | 1 | | | 1.2 | | 1 | 40 | 1 | 23 | 1 | 61 | 1 | | | | | | | | |
| 22 | 1.2D + 1.0Di + 1.0Wi (2 | Yes | Υ | | 1 | 1.2 | 39 | 1.2 | 2 | 1 | 40 | 1 | 24 | 1 | 62 | 1 | | | | | | | | |

Company Designer Job Number : Maser Consulting : NL : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

Load Combinations (Continued)

| 120 + 1,001 + 1,00W 3 Yes Y | 23 120 + 1,001 + 1,00W (3Yes Y 1 1,2 39 1,2 2 1 40 1 26 1 64 1 1 25 1 63 1 25 1 63 1 25 120 + 1,5Lm + 1,0W | | Description | Solve | P | S B | Fa | В | Fa | BLC | Fa | В | Fa | В | Fa | В | Fa | В | Fa | В | Fa | В | Fa | В | Fa |
|---|--|----|-------------------------|-------|---|-----|----|---|----|-----|-----|---|-----|----|-----|----|------|-----|------|---|------|---|----|---|----|
| 120 + 1,001 + 1,001 (3) Yes Y 1 1,2 39 1,2 2 1 40 1 26 1 64 1 1 1 1 1 1 1 1 1 | 24 120 + 1.00 1.00 1.00 1.00 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.50 1.20 1.20 1.50 1.20 1.20 1.50 1.20 1.50 1.20 1.20 1.50 1.20 1.20 1.50 1.20 1.20 1.50 1.20 1.20 1.20 1.50 1.20 1.50 1.20 1.20 1.50 1.20 1.20 1.20 1.50 1.20 1.20 1.20 1.50 1.50 1.20 1.20 1.20 1.50 1.50 1.20 1.20 1.50 1.50 1.20 1.20 1.20 1.20 1.50 1.50 1.20 1.20 1.20 1.50 1.50 1.20 1.20 1.50 1.50 1.2 | 23 | | | | | | | | | | | | | | | | | | | | | | | |
| 25 120 + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 27 1 65 1 | 25 120 + 1.5Lml + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 27 1 65 1 | 24 | | | | 1 | | | | | 1 | | | | | | 1 | | | | | | | | |
| 26 120 + 1.5Lml + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 28 1 66 1 29 120 + 1.5Lml + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 30 1 68 1 29 120 + 1.5Lml + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 30 1 68 1 30 120 + 1.5Lml + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 31 1 69 1 | 120 + 1.5Lm1 + 1.0W Yes Y | | | | | | | | | | 1.5 | | 1 | | 1 | | | | | | | | | | |
| 12P + 15Lm1 + 10W Yes Y 1 1.2 39 1.2 77 1.5 29 1 67 1 29 1.2P + 15Lm1 + 10W Yes Y 1 1.2 39 1.2 77 1.5 30 1 68 1 30 1.2P + 15Lm1 + 10W Yes Y 1 1.2 39 1.2 77 1.5 31 1 69 1 30 1.2P + 15Lm1 + 10W Yes Y 1 1.2 39 1.2 77 1.5 31 1 69 1 33 1.2P + 15Lm1 + 10W Yes Y 1 1.2 39 1.2 77 1.5 33 1 77 1 1 33 1.2P + 15Lm1 + 10W Yes Y 1 1.2 39 1.2 77 1.5 33 1 77 1 1 33 1.2P + 15Lm1 + 10W Yes Y 1 1.2 39 1.2 77 1.5 34 1 72 1 33 1.2P + 15Lm1 + 10W Yes Y 1 1.2 39 1.2 77 1.5 36 1 74 1 1 1 1 1 1 1 1 1 | 22 120 + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 29 1 67 1 | | | | | | | | | | | | | - | 1 | | | | | | | | | | |
| 28 1.20 + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 30 1 68 1 2 2 1.20 + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 32 1 70 1 31 1.20 + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 32 1 70 1 31 1.20 + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 34 1 72 1 33 1.20 + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 34 1 72 1 33 1.20 + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 34 1 72 1 33 1.20 + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 34 1 72 1 33 1.20 + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 36 1 74 1 35 1.20 + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 36 1 74 1 35 1.20 + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 36 1 74 1 35 1.20 + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 38 1 76 1 37 1 75 1 38 1 76 1 37 1.20 + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 27 1 65 1 38 1 76 1 37 1.20 + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 29 1 67 1 1 39 1.20 + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 29 1 67 1 1 39 1.20 + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 30 1 68 1 4 1 1.20 + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 30 1 68 1 4 1 1.20 + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 31 1 69 1 4 1 1.20 + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 31 1 69 1 4 1 1.20 + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 33 1 70 1 4 1 1.20 + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 33 1 70 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 28 120+15Lm1+10W Yes Y | | | | | 1 | | | | | | | | | 1 | | | | | | | | | | |
| 120 + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 32 1 70 1 1 1 1 1 1 1 1 1 | 120 + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 31 1 69 1 30 1.2D + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 33 1 71 1 1 33 1.2D + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 33 1 71 1 1 33 1.2D + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 33 1 71 1 1 33 1.2D + 1.5Lm1 + 1.0W Yes Y 1 1.2 39 1.2 77 1.5 35 1 73 1 1 1 1 1 1 1 1 1 | 28 | | | | | | | | | | | | _ | | | | | | | | | | | |
| 30 1.20 + 1.5Lm1 + 1.0W Yes Y | 30 120 + 15Lm1 + 10W Yes Y 1 1.2 39 1.2 77 1.5 32 1 70 1 1 1 1 1 1 1 1 1 | 29 | | | | | | | | | | | 1 | | 1 | | | | | | | | | | |
| 31 1.2D+1.5Lm1+1.0W Yes Y | 31 1.20 + 1.5Lm1 + 1.0W Yes Y | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | |
| 33 1.2D + 1.5Lm1 + 1.0W Yes Y | 32 12D+1.5Im1+1.0W Yes Y | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | |
| 33 1.2D + 1.5Lm1 + 1.0W Yes Y | 33 1.2D+1.5Lm1+1.0W Yes Y | 32 | 1.2D + 1.5Lm1 + 1.0W | Yes | Υ | 1 | | | | | | | 1 | | | | | | | | | | | | |
| 34 1.2D+1.5Lm1+1.0W Yes Y | 34 12D+1.5Lm1+1.0W Yes Y | | | | | | | | | | | | _ | | | | | | | | | | | | |
| 36 1.2D+1.5Lm1+1.0W Yes Y | 36 1.2D + 1.5Lm1 + 1.0W Yes Y | | | | | | | | | | | | | | _ | | | | | | | | | | |
| 36 1.2D+1.5Lm2+1.0W Yes Y | 36 1.2D + 1.5Lm2 + 1.0W Yes Y | 35 | 1.2D + 1.5Lm1 + 1.0W | Yes | Ÿ | | | | | | | | 1 | | 1 | | | | | | | | | | |
| 37 1.20 + 1.5Lm2 + 1.0W Yes Y | 37 1.20 + 1.5Lm2 + 1.0W Yes Y | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 1.2D + 1.5Lm2 + 1.0W Yes Y | 38 1.20 + 1.5Lm2 + 1.0W Yes Y | 37 | 1.2D + 1.5Lm2 + 1.0W | Yes | Ÿ | | | | | | | | 1 | | - | | | | | | | | | | |
| 1.2D + 1.5Lm2 + 1.0W Yes Y | 39 1.2D + 1.5Lm2 + 1.0W Yes Y | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | |
| 40 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 30 1 68 1 42 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 31 1 69 1 42 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 33 1 70 1 43 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 33 1 70 1 44 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 33 1 71 1 44 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 34 1 72 1 45 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 34 1 72 1 46 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 36 1 74 1 4 1 72 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 40 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 30 1 68 1 42 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 31 1 69 1 42 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 31 1 70 1 43 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 33 1 77 1 1 44 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 33 1 77 1 1 45 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 33 1 77 1 1 45 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 35 1 73 1 4 1 72 1 44 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 36 1 74 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | |
| 41 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 31 1 69 1 42 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 32 1 70 1 4 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 32 1 70 1 1 4 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 33 1 71 1 1 4 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 33 1 77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 41 1.2D + 1.5Lm2 + 1.0W Yes Y | | | | | | | | | | | | _ | | - | | | | | | | | | | |
| 42 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 32 1 70 1 1 4 4 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 34 1 72 1 1 1 4 4 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 34 1 72 1 1 1 4 4 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 34 1 72 1 1 1 1 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 | 42 12D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 32 1 70 1 4 1 2 4 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 33 1 77 1 1 4 1 4 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 34 1 72 1 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 | | | | | | | | | | | | - : | | | | | | | | | | | | |
| 44 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 33 1 71 1 1 | 44 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 33 1 71 1 1 | | | | | | | | | | | | - | | | | | | | | | | | | |
| 44 | 44 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 34 1 72 1 4 1 4 1 4 1 1 4 1 1 1 1 1 2 39 1.2 78 1.5 36 1 73 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | |
| 46 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 35 1 73 1 4 74 1 74 1 74 1 74 1 74 1 74 1 | 46 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 36 1 73 1 | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 46 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 36 1 74 1 4 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 | 46 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 36 1 74 1 | | | | | | | | | | | | 1 | | - 1 | | | | | | | | | | |
| 47 1.2D + 1.5Lm2 + 1.0W Yes Y | 48 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 78 1.5 37 1 76 1 48 1.2D + 1.5Lm2 + 1.0W Yes Y 1 1.2 39 1.2 79 1.5 38 1 76 1 50 1.2D + 1.5Lv1 Yes Y 1 1.2 39 1.2 79 1.5 50 1.2D + 1.5Lv2 Yes Y 1 1.2 39 1.2 80 1.5 51 1.4D Yes Y 1 1.4 39 1.4 52 1.2D + 1.0Ev + 1.0Eh (0 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .866 83 .5 ELZ 1 E 53 1.2D + 1.0Ev + 1.0Eh (6 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .866 83 .5 ELZ 866 E5 56 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .866 83 .5 ELZ 866 E5 56 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .868 83 .5 ELZ 866 E5 56 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .866 83 .5 ELZ 866 E5 56 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .866 83 .5 ELZ 866 E5 56 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .866 83 .5 ELZ 866 E5 57 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .866 83 .5 ELZ 866 E5 58 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .866 83 .5 ELZ 866 E5 59 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .866 83 .5 ELZ 866 E5 56 1.2D + 1.0Ev + 1.0Eh (2 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .866 83 .5 ELZ 866 E5 66 1 1.2D + 1.0Ev + 1.0Eh (2 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .866 83 .5 ELZ 866 E5 66 1 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .86 83 .5 ELZ 866 E5 66 1 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .86 83 .5 ELZ 866 E5 66 1 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .86 83 .5 ELZ 866 E5 66 1 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .86 83 .5 ELZ 866 E5 66 1 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .86 83 .5 ELZ 866 E5 66 1 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .86 83 .5 ELZ 866 E5 66 1 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.9 39 .9 81 -1 E1 82 .86 83 .5 ELZ 866 E5 66 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 1.2D + 1.5Lm2 + 1.0W Yes Y | 48 1.2D + 1.5Lm2 + 1.0W Yes Y | | | | | | | | | | | | - | | | | | | | | | | | | |
| 49 | 49 | 48 | | | | 1 | | | | | | | 1 | | 1 | | | | | | | | | | |
| 50 | 50 | 49 | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | 51 | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 52 1.2D + 1.0Ev + 1.0Eh (0 Yes Y 1 1.2 39 1.2 81 1 E 1 82 1 83 ELZ 1 E 5 53 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .866 83 .5 ELZ .866 E5 54 1.2D + 1.0Ev + 1.0Eh (6 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .83 .866 ELZ .5 E866 55 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .83 .866 ELZ .5 E866 56 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .83 .866 ELZ .5 E866 57 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .83 .866 ELZ .5 E866 58 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .83 .866 ELZ .5 E866 59 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .86 83 .5 ELZ -866 E5 58 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .86 83 .5 ELZ -866 E5 59 1.2D + 1.0Ev + 1.0Eh (2 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .86 83 .5 ELZ -866 E5 60 1.2D + 1.0Ev + 1.0Eh (2 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .83 .866 ELZ .5 E866 61 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .83 .866 ELZ .5 E866 62 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .83 .866 ELZ .5 E866 63 1.2D + 1.0Ev + 1.0Eh (0 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .83 .866 ELZ .5 E866 64 0.9D - 1.0Ev + 1.0Eh (0 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .866 83 .5 ELZ .866 E5 65 0.9D - 1.0Ev + 1.0Eh (0 Yes Y 1 9 39 .9 81 -1 E 1 82 .866 83 .5 ELZ .866 E5 66 0.9D - 1.0Ev + 1.0Eh (6 Yes Y 1 .9 39 .9 81 -1 E 1 82 .866 83 .5 ELZ .866 E5 67 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 .9 39 .9 81 -1 E1 82 .866 83 .5 ELZ .866 E5 68 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 .9 39 .9 81 -1 E1 82 .866 83 .5 ELZ .866 E5 70 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 .9 39 .9 81 -1 E1 82 .866 83 .5 ELZ .866 E5 70 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 .9 39 .9 81 -1 E1 82 .866 83 .5 ELZ .866 E5 71 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 82 .866 83 .5 ELZ .866 E5 72 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E | 52 1.2D + 1.0Ev + 1.0Eh (0 Yes Y | 51 | 1.4D | | | 1 | | | | | | | | | | | | | | | | | | | |
| 53 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .866 83 .5 ELZ .866 E5 5 | 53 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .866 83 .5 ELZ .866 E5 5 1.2D + 1.0Ev + 1.0Eh (6 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .5 83 .866 ELZ .5 E866 5 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .5 83 .866 ELZ .5 E866 5 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .5 83 .866 ELZ .5 E866 5 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .5 83 .866 ELZ .5 E866 5 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .5 83 .866 ELZ .5 E866 5 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .5 83 .866 ELZ .5 E866 5 1.2D + 1.0Ev + 1.0Eh (2 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .5 83 .866 ELZ .5 E866 6 1.5 6 1.2D + 1.0Ev + 1.0Eh (2 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .5 83 .866 ELZ .5 E866 6 1.2D + 1.0Ev + 1.0Eh (2 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .5 83 .866 ELZ .5 E866 6 1.2D + 1.0Ev + 1.0Eh (2 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .5 83 .866 ELZ .5 E866 6 1 .2D + 1.0Ev + 1.0Eh (2 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .5 83 .866 ELZ .5 E866 6 1 .2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .5 83 .866 ELZ .5 E866 6 1 .2D + 1.0Ev + 1.0Eh (0 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .5 83 .866 ELZ .5 E866 6 1 .2D + 1.0Ev + 1.0Eh (0 Yes Y 1 1.9 39 .9 81 -1 E 1 82 .866 83 .5 ELZ .866 E5 6 6 0.9D - 1.0Ev + 1.0Eh (0 Yes Y 1 1.9 39 .9 81 -1 E1 82 .866 83 .5 ELZ .866 E5 6 6 0.9D - 1.0Ev + 1.0Eh (0 Yes Y 1 1.9 39 .9 81 -1 E1 82 .866 83 .5 ELZ .866 E5 6 6 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 1.9 39 .9 81 -1 E1 82 .5 83 .866 ELZ .5 E866 6 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 1.9 39 .9 81 -1 E1 82 .5 83 .866 ELZ .5 E866 6 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 1.9 39 .9 81 -1 E1 82 .5 83 .866 ELZ .5 E866 6 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 1.9 39 .9 81 -1 E1 82 .5 83 .866 ELZ .5 E866 6 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 1.9 39 .9 81 -1 E1 82 .5 83 .866 ELZ .5 E866 6 0.9D - 1.0Ev + 1.0 | 52 | 1.2D + 1.0Ev + 1.0Eh (0 | .Yes | Υ | 1 | | | | 81 | 1 | E | 1 | 82 | 1 | 83 | | ELZ | 1 | E | | | | | |
| 54 1.2D + 1.0Ev + 1.0Eh (6 Yes Y | 54 1.2D + 1.0Ev + 1.0Eh (6 Yes Y) 1 1.2 39 1.2 81 1 E 1 82 .5 83 .866 ELZ .5 E .866 55 1.2D + 1.0Ev + 1.0Eh (1 Yes Y) 1 1.2 39 1.2 81 1 E 1 82 83 1 ELZ .E 1 56 1.2D + 1.0Ev + 1.0Eh (1 Yes Y) 1 1.2 39 1.2 81 1 E 1 825 83 .866 ELZ .5 E .866 57 1.2D + 1.0Ev + 1.0Eh (1 Yes Y) 1 1.2 39 1.2 81 1 E 1 825 83 .866 ELZ .5 E .866 59 1.2D + 1.0Ev + 1.0Eh (1 Yes Y) 1 1.2 39 1.2 81 1 E 1 825 83866 ELZ .5 E .5 60 1.2D + 1.0Ev + 1.0Eh (2 Yes Y) 1 1.2 39 1.2 81 1 E 1 825 83866 ELZ .5 E -866 61 | | | | | | | | | | | | | | | | .5 | ELZ | .866 | E | .5 | | | | |
| 55 1.2D + 1.0Ev + 1.0Eh (9 Yes Y | 55 1.2D + 1.0Eh (9 Yes Y | | | | | 1 | | | | | 1 | E | 1 | | | | | | | | | | | | |
| 56 1.2D + 1.0Ev + 1.0Eh (1Yes Y | 56 | 55 | 1.2D + 1.0Ev + 1.0Eh (9 | Yes | Υ | 1 | | | | | 1 | E | 1 | | | 83 | 1 | ELZ | | E | 1 | | | | |
| 57 1.2D + 1.0Ev + 1.0Eh (1 Yes Y 1 1 2 39 1 81 1 E 1 82 - 866 83 .5 ELZ - 866 E5 5 | 57 1.2D + 1.0Ev + 1.0Eh (1 Yes Y | | | | | 1 | | | | | | E | | | 5 | | .866 | ELZ | 5 | E | .866 | | | | |
| 58 1.2D + 1.0Ev + 1.0Eh (1 Yes Y | 58 1.2D + 1.0Ev + 1.0Eh (1Yes Y 1 1.2 39 1.2 81 1 E 1 82 -1 83 ELZ -1 E 59 1.2D + 1.0Ev + 1.0Eh (2Yes Y 1 1.2 39 1.2 81 1 E 1 82 -866 835 ELZ-866 E5 60 1.2D + 1.0Ev + 1.0Eh (2Yes Y 1 1.2 39 1.2 81 1 E 1 825 83 -866 ELZ5 E866 61 1.2D + 1.0Ev + 1.0Eh (2Yes Y 1 1.2 39 1.2 81 1 E 1 82 83 -1 ELZ E1 62 1.2D + 1.0Ev + 1.0Eh (3Yes Y 1 1.2 39 1.2 81 1 E 1 82 83 -866 ELZ5 E866 63 1.2D + 1.0Ev + 1.0Eh (3Yes Y 1 1.2 39 1.2 81 1 E 1 82 866 835 ELZ 866 E5 64 0.9D - 1.0Ev + 1.0Eh (0Yes Y 1 9 39 9 81 -1 E1 82 1 83 ELZ 1 E 65 0.9D - 1.0Ev + 1.0Eh (3Yes Y 1 9 39 9 81 -1 E1 82 866 83 .5 ELZ 866 E5 66 0.9D - 1.0Ev + 1.0Eh (9Yes Y 1 9 39 9 81 -1 E1 82 .5 83 .866 ELZ .5 E 866 66 0.9D - 1.0Ev + 1.0Eh (9Yes Y 1 9 39 9 81 -1 E1 82 .5 83 .866 ELZ .5 E 866 67 0.9D - 1.0Ev + 1.0Eh (9Yes Y 1 9 39 9 81 -1 E1 82 .5 83 .866 ELZ .5 E 866 69 0.9D - 1.0Ev + 1.0Eh (1Yes Y 1 9 39 9 81 -1 E1 82 -5 83 .866 ELZ .5 E 866 69 0.9D - 1.0Ev + 1.0Eh (1Yes Y 1 9 39 9 81 -1 E1 82 -5 83 .866 ELZ .5 E 866 69 0.9D - 1.0Ev + 1.0Eh (1Yes Y 1 9 39 9 81 -1 E1 82 -866 83 .5 ELZ .866 E5 70 0.9D - 1.0Ev + 1.0Eh (1Yes Y 1 9 39 9 81 -1 E1 82 -866 83 .5 ELZ .866 E5 70 0.9D - 1.0Ev + 1.0Eh (1Yes Y 1 9 39 9 81 -1 E1 82 -866 83 .5 ELZ .866 E5 72 0.9D - 1.0Ev + 1.0Eh (2Yes Y 1 9 39 9 81 -1 E1 82 -866 83 .5 ELZ .866 E5 72 0.9D - 1.0Ev + 1.0Eh (2Yes Y 1 9 39 9 81 -1 E1 82 -866 83 .5 ELZ .866 E5 72 0.9D - 1.0Ev + 1.0Eh (2Yes Y 1 9 39 9 81 -1 E1 82 -866 83 .5 ELZ .866 E5 73 0.9D - 1.0Ev + 1.0Eh (2Yes Y 1 9 39 9 9 81 -1 E1 82 -866 83 .5 ELZ .866 E5 74 0.9D - 1.0Ev + 1.0Eh (2Yes Y 1 9 39 9 9 81 -1 E1 82 -866 83 .5 ELZ .5 E866 83 .5 ELZ .5 E866 | 57 | 1.2D + 1.0Ev + 1.0Eh (1 | Yes | Υ | 1 | | | | | 1 | E | 1 | 82 | 866 | 83 | .5 | ELZ | 866 | E | .5 | | | | |
| 59 1.2D + 1.0Ev + 1.0Eh (2 Yes Y 1 1.2 39 1.2 81 1 E 1 82 -866 835 ELZ-866 E5 60 1.2D + 1.0Ev + 1.0Eh (2 Yes Y 1 1.2 39 1.2 81 1 E 1 825 83 -866 ELZ5 E866 61 1.2D + 1.0Ev + 1.0Eh (2 Yes Y 1 1.2 39 1.2 81 1 E 1 82 83 -1 ELZ E1 62 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 83 -866 ELZ .5 E866 63 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 866 835 ELZ 866 E5 64 0.9D - 1.0Ev + 1.0Eh (0 Yes Y 1 9 39 9 81 -1 E1 82 1 83 ELZ 1 E 65 0.9D - 1.0Ev + 1.0Eh (3 Yes Y 1 9 39 9 9 81 -1 E1 82 866 83 .5 ELZ 866 E5 66 0.9D - 1.0Ev + 1.0Eh (6 Yes Y 1 9 39 9 81 -1 E1 82 83 866 ELZ .5 E 866 63 0.9D - 1.0Ev + 1.0Eh (9 Yes Y 1 9 39 9 81 -1 E1 82 83 866 ELZ .5 E 866 64 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 9 39 9 9 81 -1 E1 82 83 866 ELZ .5 E 866 65 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 9 39 9 9 81 -1 E1 82 83 866 ELZ .5 E 866 65 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 9 39 9 9 81 -1 E1 82 83 866 ELZ .5 E 866 65 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 9 39 9 9 81 -1 E1 82 -866 83 .5 ELZ -866 E5 66 69 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 9 39 9 9 81 -1 E1 82 -866 83 .5 ELZ -866 E5 66 69 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 9 39 9 9 81 -1 E1 82 -866 83 .5 ELZ -866 E5 66 69 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 9 39 9 9 81 -1 E1 82 -866 83 .5 ELZ -866 E5 66 69 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 9 39 9 9 81 -1 E1 82 -866 83 -5 ELZ -866 E5 66 69 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 9 39 9 9 81 -1 E1 82 -866 83 -5 ELZ -866 E5 66 69 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 9 39 9 9 81 -1 E1 82 -866 83 -5 ELZ -866 E5 66 69 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 9 39 9 9 81 -1 E1 82 -866 83 -5 ELZ -866 E5 66 69 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 9 39 9 9 81 -1 E1 82 -866 83 -5 ELZ -866 E5 686 E5 686 ELZ -5 E866 E5 686 ELZ -5 E866 E5 686 E5 686 ELZ -5 E866 E5 686 ELZ -5 E866 E5 686 E | 59 1.2D + 1.0Eh (2 Yes Y | 58 | 1.2D + 1.0Ev + 1.0Eh (1 | .Yes | Υ | 1 | | | | | 1 | E | 1 | 82 | -1 | 83 | | ELZ | -1 | E | | | | | |
| 60 1.2D + 1.0Ev + 1.0Eh (2Yes Y | 60 1.2D + 1.0Ev + 1.0Eh (2 Yes Y 1 1 2 39 1 2 81 1 E 1 82 866 ELZ E866 61 1.2D + 1.0Ev + 1.0Eh (2 Yes Y 1 1 2 39 1 2 81 1 E 1 82 83 -1 ELZ E1 | 59 | 1.2D + 1.0Ev + 1.0Eh (2 | Yes | Υ | | | | | | 1 | E | 1 | | 866 | 83 | 5 | ELZ | 866 | E | 5 | | | | |
| 61 1.2D + 1.0Ev + 1.0Eh (2Yes Y | 61 1.2D + 1.0Ev + 1.0Eh (2Yes Y | 60 | 1.2D + 1.0Ev + 1.0Eh (2 | Yes | Υ | 1 | | | | | 1 | E | 1 | 82 | 5 | 83 | 866 | ELZ | 5 | E | 866 | i | | | |
| 62 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .5 83 -866 ELZ .5 E866 63 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .866 835 ELZ .866 E5 64 0.9D - 1.0Ev + 1.0Eh (0 Yes Y 1 .9 39 .9 81 -1 E1 82 1 83 ELZ 1 E 65 0.9D - 1.0Ev + 1.0Eh (6 Yes Y 1 .9 39 .9 81 -1 E1 82 .5 83 .866 ELZ .5 E866 66 0.9D - 1.0Ev + 1.0Eh (9 Yes Y 1 .9 39 .9 81 -1 E1 82 .5 83 .866 ELZ .5 E866 66 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 .9 39 .9 81 -1 E1 82 .5 83 .866 ELZ .5 E866 66 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 .9 39 .9 81 -1 E1 825 83 .866 ELZ .5 E866 66 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 .9 39 .9 81 -1 E1 825 83 .866 ELZ .5 E866 67 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 .9 39 .9 81 -1 E1 82866 83 .5 ELZ866 E5 70 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 .9 39 .9 81 -1 E1 82866 83 .5 ELZ866 E5 71 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 82866 835 ELZ866 E5 72 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 825 83866 ELZ5 E866 73 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 825 83866 ELZ5 E866 73 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 825 83866 ELZ5 E866 73 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 825 83866 ELZ5 E866 73 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 825 83866 ELZ5 E866 | 62 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .5 83 -866 ELZ .5 E866 63 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .66 835 ELZ .866 E,5 64 0.9D - 1.0Ev + 1.0Eh (0 Yes Y 1 .9 39 .9 81 -1 E1 82 1 83 ELZ 1 E 65 0.9D - 1.0Ev + 1.0Eh (6 Yes Y 1 .9 39 .9 81 -1 E1 82 .5 83 .866 ELZ .5 E866 66 0.9D - 1.0Ev + 1.0Eh (6 Yes Y 1 .9 39 .9 81 -1 E1 82 .5 83 .866 ELZ .5 E866 66 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 .9 39 .9 81 -1 E1 82 .5 83 .866 ELZ .5 E866 67 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 .9 39 .9 81 -1 E1 825 83 .866 ELZ .5 E866 69 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 .9 39 .9 81 -1 E1 82866 83 .5 ELZ866 E5 70 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 .9 39 .9 81 -1 E1 82866 83 .5 ELZ866 E5 71 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 82866 83 .5 ELZ866 E5 72 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 825 83866 ELZ5 E866 73 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 825 83866 ELZ5 E866 73 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 825 83866 ELZ5 E866 73 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 82 .5 83866 ELZ5 E866 | 61 | 1.2D + 1.0Ev + 1.0Eh (2 | -Yes | Υ | | | | | | 1 | E | 1 | 82 | | 83 | -1 | ELZ | | E | -1 | | | | |
| 63 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .866 835 ELZ .866 E5 64 0.9D - 1.0Ev + 1.0Eh (0 Yes Y 1 .9 39 .9 81 -1 E1 82 1 83 ELZ 1 E 65 0.9D - 1.0Ev + 1.0Eh (3 Yes Y 1 .9 39 .9 81 -1 E1 82 .866 83 .5 ELZ .866 E5 66 0.9D - 1.0Ev + 1.0Eh (6 Yes Y 1 .9 39 .9 81 -1 E1 82 .5 83 .866 ELZ .5 E866 67 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 .9 39 .9 81 -1 E1 82 .5 83 .866 ELZ .5 E866 68 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 .9 39 .9 81 -1 E1 825 83 .866 ELZ .5 E866 69 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 .9 39 .9 81 -1 E1 82866 83 .5 ELZ866 E5 70 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 .9 39 .9 81 -1 E1 82866 83 .5 ELZ866 E5 71 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 82866 835 ELZ866 E5 72 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 825 83866 ELZ5 E866 73 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 825 83866 ELZ5 E866 73 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 825 83866 ELZ5 E866 73 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 825 83866 ELZ5 E866 835 ELZ866 E5 | 63 1.2D + 1.0Ev + 1.0Eh (3 Yes Y 1 1.2 39 1.2 81 1 E 1 82 .866 835 ELZ .866 E5 64 0.9D - 1.0Ev + 1.0Eh (0 Yes Y 1 .9 39 .9 81 -1 E1 82 1 83 ELZ 1 E 65 0.9D - 1.0Ev + 1.0Eh (3 Yes Y 1 .9 39 .9 81 -1 E1 82 .5 83 .866 ELZ .5 E866 6 | | | | | | | | | | 1 | E | 1 | 82 | | | | | | | | | | | |
| 64 0.9D - 1.0Ev + 1.0Eh (0 Yes Y | 64 0.9D - 1.0Ev + 1.0Eh (0 Yes Y | | | | | 1 | | | | | | E | 1 | | | | | | | | | | | | |
| 65 0.9D - 1.0Ev + 1.0Eh (3 Yes Y | 65 0.9D - 1.0Ev + 1.0Eh (3 Yes Y | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 66 0.9D - 1.0Ev + 1.0Eh (6 Yes Y 1 9 39 9 81 -1 E1 82 5 83 .866 ELZ 5 E866 67 0.9D - 1.0Ev + 1.0Eh (9 Yes Y 1 9 39 9 81 -1 E1 82 5 83 .866 ELZ 5 E866 68 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 9 39 9 81 -1 E1 82 5 83 .866 ELZ 5 E866 69 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 9 39 9 81 -1 E1 82 866 83 5 ELZ866 E 5 70 0.9D - 1.0Ev + 1.0Eh (1 Yes Y 1 9 39 9 81 -1 E1 82 82 83 ELZ -1 E 71 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 9 39 9 81 -1 E1 82 866 83 5 ELZ866 E 5 72 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 9 39 9 81 -1 E1 82 83 866 ELZ 5 E866 73 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 9 39 9 81 -1 E1 82 83 ELZ E1 | 66 0.9D - 1.0Ev + 1.0Eh (6 Yes Y | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 67 0.9D - 1.0Ev + 1.0Eh (9 Yes Y | 67 0.9D - 1.0Ev + 1.0Eh (9 Yes Y | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 68 0.9D - 1.0Ev + 1.0Eh (1 Yes Y | 68 0.9D - 1.0Ev + 1.0Eh (1 Yes Y | | | | | 1 | | | | | | | | 82 | | 83 | 1 | ELZ | | E | 1 | | | | |
| 69 0.9D - 1.0Ev + 1.0Eh (1 Yes Y | 69 0.9D - 1.0Ev + 1.0Eh (1 Yes Y | | | | | 1 | | | | | | | | 82 | | | | ELZ | 5 | E | .866 | | | | |
| 70 0.9D - 1.0Ev + 1.0Eh (1 Yes Y | 70 0.9D - 1.0Ev + 1.0Eh (1 Yes Y | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 0.9D - 1.0Ev + 1.0Eh (2 Yes Y | 71 0.9D - 1.0Ev + 1.0Eh (2 Yes Y | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 825 83866 ELZ5 E866 73 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 82 83 -1 ELZ E1 | 72 0.9D - 1.0Ev + 1.0Eh (2 Yes Y | | | | | | | | | | | | | | | | | ELZ | 866 | E | 5 | | | | |
| 73 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E -1 82 83 -1 ELZ E -1 | 73 0.9D - 1.0Ev + 1.0Eh (2 Yes Y 1 .9 39 .9 81 -1 E1 82 83 -1 ELZ E1 74 0.9D - 1.0Ev + 1.0Eh (3 Yes Y 1 .9 39 .9 81 -1 E1 82 .5 83 -866 ELZ .5 E866 | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| | 74 0.9D - 1.0Ev + 1.0Eh (3 Yes Y 1 .9 39 .9 81 -1 E -1 82 .5 83 .866 ELZ .5 E 866 | | | | | | | | _ | | | | | | | | | | | | | | | | |
| 74 0.9D - 1.0Ev + 1.0Eh (3 Yes Y 1 .9 39 .9 81 -1 E -1 82 .5 83 .866 ELZ .5 E 866 | | | | | | 1 | | | | | -1 | E | -1 | | | | | | | E | 866 | i | | | |
| | | 75 | 0.9D - 1.0Ev + 1.0Eh (3 | Yes | Υ | 1 | | | | | -1 | E | -1 | | | | | | | | | | | | |

Company Designer Job Number Model Name : Maser Consulting: NL: 21777866A: Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

Joint Coordinates and Temperatures

| | Label | X [in] | Y [in] | Z [in] | Temp [F] | Detach From Diap |
|----------|------------|-----------------------|----------------------|----------------------|----------|------------------|
| 1 | N1 | -2. | 0 | 2. | 0 | |
| 2 | N2 | -5.375 | 0 | 2. | 0 | |
| 3 | N3 | 1.375 | 0 | 2. | 0 | |
| 4 | N4 | -2. | 0 | 0 | 0 | |
| 5 | N5 | -2. | -41. | 2. | 0 | |
| 6 | N6 | -5.375 | -41. | 2. | 0 | |
| 7 | N7 | 1.375 | -41. | 2. | 0 | |
| 8 | N10 | -54 | 0 | 55. | 0 | |
| 9 | N11 | 50. | 0 | <u>55</u> . | 0 | |
| 10 | N11A | -92. | 0 | <u>55</u> . | 0 | |
| 11 | N12 | 88. | 0 | 55. | 0 | |
| 12 | N14 | -54 | -41. | 55. | 0 | |
| 13 | N15 | 50. | -41. | 55. | 0 | |
| 14 | N16 | -92. | -41. | 55. | 0 | |
| 15 | N17 | 88. | -41. | 55. | 0 | |
| 16 | N17A | -4.101022 | 0 | 4.141426 | 0 | |
| 17 18 | N18 N19 | 0.101022 -4.101022 | -41. | 4.141426 | 0 | |
| 19 | N20 | | -41. -41. | 4.141426 | 0 | |
| 20 | N21 | 0.101022 4.653236 | 0 | 4.141426 8.781183 | 0 | |
| 21 | N22 | 4.653236 | -41. | 8.781183 | 0 | |
| 22 | N23 | 24.963116 | 0 | 29.481637 | 0 | |
| 23 | N24 | 24.963116 | -41. | 29.481637 | 0 | |
| 24 | N25 | 45.272995 | 0 | 50.182091 | 0 | |
| 25 | N26 | 45.272995 | -41. | 50.182091 | 0 | |
| 26 | N27 | 4.653236 | -39.5 | 8.781183 | 0 | |
| 27 | N28 | 24.963116 | -39.5 | 29.481637 | 0 | |
| 28 | N29 | 4.653236 | -1.5 | 8.781183 | 0 | |
| 29 | N30 | 24.963116 | -1.5 | 29.481637 | 0 | |
| 30 | N31 | 45.272995 | -37. | 50.182091 | 0 | |
| 31 | N32 | 45.272995 | -4. | 50.182091 | 0 | |
| 32 | N33 | -8.653236 | 0 | 8.781183 | 0 | |
| 33 | N34 | -8.653236 | -41. | 8.781183 | 0 | |
| 34 | N35 | -28.963116 | 0 | 29.481637 | 0 | |
| 35 | N36 | -28.963116 | -41. | 29.481637 | 0 | |
| 36 | N37 | -49.272995 | 0 | 50.182091 | 0 | |
| 37 | N38 | -49.272995 | -41. | 50.182091 | 0 | |
| 38 | N39 | -8.653236 | -39.5 | 8.781183 | 0 | |
| 39 | N40 | -28.963116 | -39.5 | 29.481637 | 0 | |
| 40 | N41 | -8.653236 | -1.5 | 8.781183 | 0 | |
| 41 | N42 | -28.963116 | -1.5 | 29.481637 | 0 | |
| 42 | N43 | -49.272995 | -37. | 50.182091 | 0 | |
| 43 | N44 | -49.272995 | -4. | 50.182091 | 0 | |
| 44 | N65 | -2. | -41. | 0 | 0 | |
| 45 | N45 | -43. | 0 | 55. | 0 | |
| 46 | N46 | -43. | -41. | 55. | 0 | |
| 47 | N47 | -86. | 0 | 55. | 0 | |
| 48 | N48 | -86. | -41. | <u>55.</u> | 0 | |
| 49 50 | N49 N50 | -16 -16 | 0 -41. | 55. 55. | 0 | |
| 51 | N50 N51 | 20. | -41. 0 | 55. | 0 | |
| 52 | N52 | 20. | -41. | 55. | 0 | |
| 53 | N53 | 62. | -4 1. | 55. 55. | 0 | |
| 54 | N54 | 62. | -41. | 55. | 0 | |
| 55 | N55 | 83. | 0 | 55. | 0 | |
| 56 | N56 | 83. | -41. | 55. | 0 | |
| JU | INUU | 00. | | JJ. | V | |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

Joint Coordinates and Temperatures (Continued)

| | Label | X [in] | Y [in] | Z [in] | Temp [F] | Detach From Diap |
|----|-------|------------|--------|-----------|----------|------------------|
| 57 | N57 | -43. | Ō | 58. | 0 | |
| 58 | N58 | -43. | -41. | 58. | 0 | |
| 59 | N59 | -86. | 0 | 58. | 0 | |
| 60 | N60 | -86. | -41. | 58. | 0 | |
| 61 | N61 | -16 | 0 | 52. | 0 | |
| 62 | N62 | -16 | -41. | 52. | 0 | |
| 63 | N63 | 20. | 0 | 58. | 0 | |
| 64 | N64 | 20. | -41. | 58. | 0 | |
| 65 | N65A | 62. | 0 | 52. | 0 | |
| 66 | N66 | 62. | -41. | 52. | 0 | |
| 67 | N67 | 83. | 0 | 58. | 0 | |
| 68 | N68 | 83. | -41. | 58. | 0 | |
| 69 | N69 | -43. | 26. | 58. | 0 | |
| 70 | N70 | -86. | 26. | 58. | 0 | |
| 71 | N71 | 20. | 26. | 58. | 0 | |
| 72 | N72 | 83. | 26. | 58. | 0 | |
| 73 | N73 | -43. | -70. | 58. | 0 | |
| 74 | N74 | -86. | -70. | 58. | 0 | |
| 75 | N75 | 20. | -70. | 58. | 0 | |
| 76 | N76 | 83. | -70. | 58. | 0 | |
| 77 | N77 | -16 | 16. | 52. | 0 | |
| 78 | N78 | 62. | 16. | 52. | 0 | |
| 79 | N79 | -16 | -44. | 52. | 0 | |
| 80 | N80 | 62. | -44. | 52. | 0 | |
| 81 | N81 | -49.272995 | -23. | 50.182091 | 0 | |
| 82 | N84 | -93.764052 | 0 | -52.98 | 0 | |

Hot Rolled Steel Section Sets

| | Label | Shape | Type | Design List | Material | Design | A [in2] | lyy [in4] | Izz [in4] | J [in4] |
|----|---------------------|--------------|--------|--------------|-----------|---------|---------|-----------|-----------|---------|
| 1 | Antenna Pipe | PIPE 2.0 | Column | Pipe | A53 Gr. B | Typical | 1.02 | .627 | 627 | 1.25 |
| 2 | Dual Mounted Pipe | PIPE 2.5 | Column | Pipe | A53 Gr. B | Typical | 1.61 | 1.45 | 1.45 | 2.89 |
| 3 | Standoff Horizontal | PIPE 2.0 | Beam | Pipe | A53 Gr. B | Typical | 1.02 | .627 | .627 | 1.25 |
| 4 | Standoff Vertical | PIPE 2.0 | Beam | Pipe | A53 Gr. B | Typical | 1.02 | .627 | .627 | 1.25 |
| 5 | Standoff Diagonal | 1.5" w 0.06" | Beam | Pipe | A53 Gr. B | Typical | .271 | .07 | .07 | .141 |
| 6 | Face Horizontal | PIPE 2.5 | Beam | Pipe | A53 Gr. B | Typical | 1.61 | 1.45 | 1.45 | 2.89 |
| 7 | Tie Back | PIPE 3.0 | Beam | Pipe | A53 Gr. B | Typical | 2.07 | 2.85 | 2.85 | 5.69 |
| 8 | Standoff Bar | PL3/8X3_HRA | Beam | RECT | A36 Gr.36 | Typical | 1.125 | .013 | .844 | .049 |
| 9 | Mount Angle | L4X3X6 | Beam | Single Angle | A36 Gr.36 | Typical | 2.49 | 1.89 | 3.94 | .123 |
| 10 | TES Standoff Diag | SR 1.25 | Beam | Single Angle | A36 Gr.36 | Typical | 1.227 | .12 | .12 | .24 |

Hot Rolled Steel Properties

| | Label | E [ksi] | G [ksi] | Nu | Therm (/1 | 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 |

Company Designer Job Number Model Name : Maser Consulting : NL : 21777866A : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

Member Primary Data

| | Label | I Joint | J Joint | K Joint | Rotate(deg) | Section/Shape | Туре | Design List | Material | Design Rules |
|----|-------|---------|---------|---------|-------------|-------------------|--------|--------------|-----------|--------------|
| 1 | M1 | N2 | N3 | | 90 | Mount Angle | Beam | Single Angle | A36 Gr.36 | Typical |
| 2 | M2 | N1 | N4 | | | RIGID | None | None | RIGID | Typical |
| 3 | M3 | N6 | N7 | | 90 | Mount Angle | Beam | Single Angle | A36 Gr.36 | Typical |
| 4 | M5 | N1 | N17A | | 90 | Standoff Bar | Beam | RECT | A36 Gr.36 | Typical |
| 5 | M6 | N1 | N18 | | 90 | Standoff Bar | Beam | RECT | A36 Gr.36 | Typical |
| 6 | M7 | N11A | N12 | | | Face Horizontal | Beam | Pipe | A53 Gr. B | Typical |
| 7 | M8 | N5 | N19 | | 90 | Standoff Bar | Beam | RECT | A36 Gr.36 | Typical |
| 8 | M9 | N5 | N20 | | 90 | Standoff Bar | Beam | RECT | A36 Gr.36 | Typical |
| 9 | M10 | N16 | N17 | | | Face Horizontal | | | A53 Gr. B | Typical |
| 10 | OVP | N17A | N10 | | | Standoff Horiz | Beam | | A53 Gr. B | |
| 11 | M12 | N18 | N11 | | | Standoff Horiz | Beam | | A53 Gr. B | |
| 12 | M13 | N19 | N14 | | | Standoff Horiz | Beam | | A53 Gr. B | |
| 13 | M14 | N20 | N15 | | | Standoff Horiz | Beam | | A53 Gr. B | Typical |
| 14 | M15 | N21 | N29 | N1 | | Standoff Bar | Beam | RECT | A36 Gr.36 | Typical |
| 15 | M16 | N21 | N24 | 141 | 90 | Standoff Diago | | | A53 Gr. B | |
| 16 | M17 | N23 | N30 | N1 | - 00 | Standoff Bar | Beam | RECT | A36 Gr.36 | Typical |
| 17 | M18 | N23 | N26 | 141 | 90 | Standoff Diago | | | A53 Gr. B | |
| 18 | M19 | N26 | N31 | N1 | 30 | Standoff Bar | Beam | RECT | A36 Gr.36 | Typical |
| 19 | M20 | N27 | N22 | N1 | | Standoff Bar | Beam | RECT | A36 Gr.36 | Typical |
| 20 | M21 | N28 | N24 | N1 | | Standoff Bar | Beam | RECT | A36 Gr.36 | |
| 21 | M22 | N29 | N27 | N1 | | Standoff Diago | | | | Typical |
| | | | | | | Standoff Diago | | | A53 Gr. B | |
| 22 | M23 | N30 | N28 | N1 | | Standoff Vertical | | | A53 Gr. B | |
| 23 | M24 | N31 | N32 | N1 | | | 200111 | | A53 Gr. B | |
| 24 | M25 | N32 | N25 | N1 | | Standoff Bar | Beam | RECT | A36 Gr.36 | Typical |
| 25 | M26 | N33 | N41 | N1 | 00 | Standoff Bar | Beam | RECT | A36 Gr.36 | Typical |
| 26 | M27 | N33 | N36 | | 90 | Standoff Diago | | | A53 Gr. B | |
| 27 | M28 | N35 | N42 | N1 | | Standoff Bar | Beam | RECT | A36 Gr.36 | Typical |
| 28 | M29 | N35 | N38 | | 90 | Standoff Diago | | | A53 Gr. B | Typical |
| 29 | M30 | N38 | N43 | N1 | | Standoff Bar | Beam | RECT | A36 Gr.36 | Typical |
| 30 | M31 | N39 | N34 | N1 | | Standoff Bar | Beam | RECT | A36 Gr.36 | Typical |
| 31 | M32 | N40 | N36 | N1 | | Standoff Bar | Beam | RECT | A36 Gr.36 | Typical |
| 32 | M33 | N41 | N39 | N1 | | Standoff Diago | | | A53 Gr. B | |
| 33 | M34 | N42 | N40 | N1 | | Standoff Diago | | | A53 Gr. B | |
| 34 | M35 | N43 | N44 | N1 | | Standoff Vertical | | | A53 Gr. B | Typical |
| 35 | M36 | N44 | N37 | N1 | | Standoff Bar | Beam | RECT | A36 Gr.36 | Typical |
| 36 | M46A | N5 | N65 | | | RIGID | None | None | RIGID | Typical |
| 37 | M37 | N45 | N57 | | | RIGID | None | None | RIGID | Typical |
| 38 | M38 | N47 | N59 | | | RIGID | None | None | RIGID | Typical |
| 39 | M39 | N49 | N61 | | | RIGID | None | None | RIGID | Typical |
| 40 | M40 | N46 | N58 | | | RIGID | None | None | RIGID | Typical |
| 41 | M41 | N48 | N60 | | | RIGID | None | None | RIGID | Typical |
| 42 | M42 | N50 | N62 | | | RIGID | None | None | RIGID | Typical |
| 43 | M43 | N51 | N63 | | | RIGID | None | None | RIGID | Typical |
| 44 | M44 | N52 | N64 | | | RIGID | None | None | RIGID | Typical |
| 45 | M45 | N53 | N65A | | | RIGID | None | None | RIGID | Typical |
| 46 | M46 | N54 | N66 | | | RIGID | None | None | RIGID | Typical |
| 47 | M47 | N55 | N67 | | | RIGID | None | None | RIGID | Typical |
| 48 | M48 | N56 | N68 | | | RIGID | None | None | RIGID | Typical |
| 49 | MP6A | N69 | N73 | | | Antenna Pipe | Column | | A53 Gr. B | |
| 50 | MP5A | N70 | N74 | | | Antenna Pipe | Column | Pipe | A53 Gr. B | Typical |
| 51 | MP3A | N71 | N75 | | | Dual Mounted | Column | Pipe | A53 Gr. B | Typical |
| 52 | MP1A | N72 | N76 | | | Antenna Pipe | Column | | A53 Gr. B | |
| 53 | MP4A | N77 | N79 | | | Antenna Pipe | Column | | A53 Gr. B | Typical |
| 54 | MP2A | N78 | N80 | | | Antenna Pipe | Column | | A53 Gr. B | |
| 55 | M55 | N81 | N84 | | | Tie Back | Beam | | A53 Gr. B | |
| JU | IVIJO | INOI | 1104 | | | I IE Dack | Deam | ripe | AJJ GI. D | Гурісаі |

Company Designer Job Number Model Name : Maser Consulting: NL: 21777866A: Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

Member Advanced Data

| | Label | I Release | J Release | I Offset[in] | J Offset[in] | T/C Only | Physical | Defl RatAnalysis | Inactive | Seismic |
|----|-------|-----------|-----------|--------------|--------------|----------|----------|------------------|----------|---------|
| 1 | M1 | | | | | | Yes | | | None |
| 2 | M2 | | | | | | Yes | ** NA ** | | None |
| 3 | M3 | | | | | | Yes | | | None |
| 4 | M5 | | | | | | Yes | Default | | None |
| 5 | M6 | | | | | | Yes | Default | | None |
| 6 | M7 | | | | | | Yes | | | None |
| 7 | M8 | | | | | | Yes | Default | | None |
| 8 | M9 | | | | | | Yes | Default | | None |
| 9 | M10 | | | | | | Yes | | | None |
| 10 | OVP | | | | | | Yes | | | None |
| 11 | M12 | | | | | | Yes | | | None |
| 12 | M13 | | | | | | Yes | | | None |
| 13 | M14 | | | | | | Yes | | | None |
| 14 | M15 | 00000X | | | | | Yes | | | None |
| 15 | M16 | BenPIN | BenPIN | | | | Yes | Default | | None |
| 16 | M17 | 00000X | | | | | Yes | | | None |
| 17 | M18 | BenPIN | BenPIN | | | | Yes | Default | | None |
| 18 | M19 | 00000X | | | | | Yes | | | None |
| 19 | M20 | | 000000 | | | | Yes | | | None |
| 20 | M21 | | 000000 | | | | Yes | | | None |
| 21 | M22 | | | | | | Yes | | | None |
| 22 | M23 | | | | | | Yes | Default | | None |
| 23 | M24 | | | | | | Yes | | | None |
| 24 | M25 | | 000000 | | | | Yes | Default | | None |
| 25 | M26 | 00000X | | | | | Yes | | | None |
| 26 | M27 | BenPIN | BenPIN | | | | Yes | | | None |
| 27 | M28 | 00000X | | | | | Yes | | | None |
| 28 | M29 | BenPIN | BenPIN | | | | Yes | | | None |
| 29 | M30 | 00000X | | | | | Yes | | | None |
| 30 | M31 | | 000000 | | | | Yes | | | None |
| 31 | M32 | | 000000 | | | | Yes | | | None |
| 32 | M33 | | | | | | Yes | | | None |
| 33 | M34 | | | | | | Yes | | | None |
| 34 | M35 | | | | | | Yes | | | None |
| 35 | M36 | | 000000 | | | | Yes | | | None |
| 36 | M46A | | | | | | Yes | ** NA ** | | None |
| 37 | M37 | | | | | | Yes | ** NA ** | | None |
| 38 | M38 | | | | | | Yes | ** NA ** | | None |
| 39 | M39 | | | | | | Yes | ** NA ** | | None |
| 40 | M40 | | | | | | Yes | ** NA ** | | None |
| 41 | M41 | | | | | | Yes | ** NA ** | | None |
| 42 | M42 | | | | | | Yes | ** NA ** | | None |
| 43 | M43 | | | | | | Yes | ** NA ** | | None |
| 44 | M44 | | | | | | Yes | ** NA ** | | None |
| 45 | M45 | | | | | | Yes | ** NA ** | | None |
| 46 | M46 | | | | | | Yes | ** NA ** | | None |
| 47 | M47 | | | | | | Yes | ** NA ** | | None |
| 48 | M48 | | | | | | Yes | ** NA ** | | None |
| 49 | MP6A | | | | | | Yes | ** NA ** | | None |
| 50 | MP5A | | | | | | Yes | ** NA ** | | None |
| 51 | MP3A | | | | | | Yes | ** NA ** | | None |
| 52 | MP1A | | | | | | Yes | ** NA ** | | None |
| 53 | MP4A | | | | | | Yes | ** NA ** | | None |
| 54 | MP2A | | | | | | Yes | ** NA ** | | None |
| 55 | M55 | 000000 | | | | | Yes | Default | | None |
| 00 | 14100 | JUUUNU | | | 1 | | 103 | Doladit | | 140110 |

Company Designer Job Number : NL : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

Member Point Loads (BLC 1 : Antenna D)

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | Υ | -23 | 6 |
| 2 | MP3A | My | 011 | 6 |
| 3 | MP3A | Mz | .015 | 6 |
| 4 | MP3A | Υ | -23 | 66 |
| 5 | MP3A | My | 011 | 66 |
| 6 | MP3A | Mz | .015 | 66 |
| 7 | MP3A | Υ | -23 | 6 |
| 8 | MP3A | My | 011 | 6 |
| 9 | MP3A | Mz | 015 | 6 |
| 10 | MP3A | Υ | -23 | 66 |
| 11 | MP3A | My | 011 | 66 |
| 12 | MP3A | Mz | 015 | 66 |
| 13 | MP1A | Υ | -43.55 | 24 |
| 14 | MP1A | My | 022 | 24 |
| 15 | MP1A | Mz | 0 | 24 |
| 16 | MP1A | Υ | -43.55 | 48 |
| 17 | MP1A | My | 022 | 48 |
| 18 | MP1A | Mz | 0 | 48 |
| 19 | MP3A | Υ | -84.4 | 42 |
| 20 | MP3A | My | .042 | 42 |
| 21 | MP3A | Mz | 0 | 42 |
| 22 | MP4A | Υ | -70.3 | 42 |
| 23 | MP4A | My | .035 | 42 |
| 24 | MP4A | Mz | 0 | 42 |
| 25 | OVP | Υ | -32 | 24 |
| 26 | OVP | My | 0 | 24 |
| 27 | OVP | Mz | 0 | 24 |
| 28 | MP5A | Υ | -22.95 | 6 |
| 29 | MP5A | My | 011 | 6 |
| 30 | MP5A | Mz | 0 | 6 |
| 31 | MP5A | Υ | -22.95 | 66 |
| 32 | MP5A | My | 011 | 66 |
| 33 | MP5A | Mz | 0 | 66 |

Member Point Loads (BLC 2 : Antenna Di)

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | Υ | -84.267 | 6 |
| 2 | MP3A | My | 042 | 6 |
| 3 | MP3A | Mz | .056 | 6 |
| 4 | MP3A | Υ | -84.267 | 66 |
| 5 | MP3A | My | 042 | 66 |
| 6 | MP3A | Mz | .056 | 66 |
| 7 | MP3A | Υ | -84.267 | 6 |
| 8 | MP3A | My | 042 | 6 |
| 9 | MP3A | Mz | 056 | 6 |
| 10 | MP3A | Υ | -84.267 | 66 |
| 11 | MP3A | My | 042 | 66 |
| 12 | MP3A | Mz | 056 | 66 |
| 13 | MP1A | Υ | -36.415 | 24 |
| 14 | MP1A | My | 018 | 24 |
| 15 | MP1A | Mz | 0 | 24 |
| 16 | MP1A | Υ | -36.415 | 48 |
| 17 | MP1A | My | 018 | 48 |
| 18 | MP1A | Mz | 0 | 48 |
| 19 | MP3A | Υ | -45.925 | 42 |
| | | | | |

Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 20 | MP3A | My | .023 | 42 |
| 21 | MP3A | Mz | 0 | 42 |
| 22 | MP4A | Υ | -41.308 | 42 |
| 23 | MP4A | My | .021 | 42 |
| 24 | MP4A | Mz | 0 | 42 |
| 25 | OVP | Υ | -89.857 | 24 |
| 26 | OVP | My | 0 | 24 |
| 27 | OVP | Mz | 0 | 24 |
| 28 | MP5A | Υ | -68.787 | 6 |
| 29 | MP5A | My | 034 | 6 |
| 30 | MP5A | Mz | 0 | 6 |
| 31 | MP5A | Υ | -68.787 | 66 |
| 32 | MP5A | My | 034 | 66 |
| 33 | MP5A | Mz | 0 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 0 | 6 |
| 2 | MP3A | Z | -182.524 | 6 |
| 3 | MP3A | Mx | 122 | 6 |
| 4 | MP3A | X | 0 | 66 |
| 5 | MP3A | Z | -182.524 | 66 |
| 6 | MP3A | Mx | 122 | 66 |
| 7 | MP3A | X | 0 | 6 |
| 8 | MP3A | Z | -182.524 | 6 |
| 9 | MP3A | Mx | .122 | 6 |
| 10 | MP3A | X | 0 | 66 |
| 11 | MP3A | Z | -182.524 | 66 |
| 12 | MP3A | Mx | .122 | 66 |
| 13 | MP1A | X | 0 | 24 |
| 14 | MP1A | Z | -86.916 | 24 |
| 15 | MP1A | Mx | 0 | 24 |
| 16 | MP1A | X | 0 | 48 |
| 17 | MP1A | Z | -86.916 | 48 |
| 18 | MP1A | Mx | 0 | 48 |
| 19 | MP3A | X | 0 | 42 |
| 20 | MP3A | Z | -69.163 | 42 |
| 21 | MP3A | Mx | 0 | 42 |
| 22 | MP4A | X | 0 | 42 |
| 23 | MP4A | Z | -69.163 | 42 |
| 24 | MP4A | Mx | 0 | 42 |
| 25 | OVP | X | 0 | 24 |
| 26 | OVP | Z | -118.727 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 0 | 6 |
| 29 | MP5A | Z | -170.688 | 6 |
| 30 | MP5A | Mx | 0 | 6 |
| 31 | MP5A | X | 0 | 66 |
| 32 | MP5A | Z | -170.688 | 66 |
| 33 | MP5A | Mx | 0 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 85.409 | 6 |
| 2 | MP3A | Z | -147.932 | 6 |
| 3 | MP3A | Mx | 141 | 6 |

: NL

Company Designer Job Number : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 4 | MP3A | X | 85.409 | 66 |
| 5 | MP3A | Z | -147.932 | 66 |
| 6 | MP3A | Mx | 141 | 66 |
| 7 | MP3A | X | 85.409 | 6 |
| 8 | MP3A | Z | -147.932 | 6 |
| 9 | MP3A | Mx | .056 | 6 |
| 10 | MP3A | X | 85.409 | 66 |
| 11 | MP3A | Z | -147.932 | 66 |
| 12 | MP3A | Mx | .056 | 66 |
| 13 | MP1A | X | 36.847 | 24 |
| 14 | MP1A | Z | -63.821 | 24 |
| 15 | MP1A | Mx | 018 | 24 |
| 16 | MP1A | X | 36.847 | 48 |
| 17 | MP1A | Z | -63.821 | 48 |
| 18 | MP1A | Mx | 018 | 48 |
| 19 | MP3A | X | 31.715 | 42 |
| 20 | MP3A | Z | -54.932 | 42 |
| 21 | MP3A | Mx | .016 | 42 |
| 22 | MP4A | X | 30.617 | 42 |
| 23 | MP4A | Z | -53.03 | 42 |
| 24 | MP4A | Mx | .015 | 42 |
| 25 | OVP | X | 57.818 | 24 |
| 26 | OVP | Z | -100.144 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 78.202 | 6 |
| 29 | MP5A | Z | -135.449 | 6 |
| 30 | MP5A | Mx | 039 | 6 |
| 31 | MP5A | X | 78.202 | 66 |
| 32 | MP5A | Z | -135.449 | 66 |
| 33 | MP5A | Mx | 039 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 127.657 | 6 |
| 2 | MP3A | Z | -73.703 | 6 |
| 3 | MP3A | Mx | 113 | 6 |
| 4 | MP3A | X | 127.657 | 66 |
| 5 | MP3A | Z | -73.703 | 66 |
| 6 | MP3A | Mx | 113 | 66 |
| 7 | MP3A | X | 127.657 | 6 |
| 8 | MP3A | Z | -73.703 | 6 |
| 9 | MP3A | Mx | 015 | 6 |
| 10 | MP3A | X | 127.657 | 66 |
| 11 | MP3A | Z | -73.703 | 66 |
| 12 | MP3A | Mx | 015 | 66 |
| 13 | MP1A | X | 40.919 | 24 |
| 14 | MP1A | Z | -23.625 | 24 |
| 15 | MP1A | Mx | 02 | 24 |
| 16 | MP1A | X | 40.919 | 48 |
| 17 | MP1A | Z | -23.625 | 48 |
| 18 | MP1A | Mx | 02 | 48 |
| 19 | MP3A | X | 45.003 | 42 |
| 20 | MP3A | Z | -25.982 | 42 |
| 21 | MP3A | Mx | .023 | 42 |
| 22 | MP4A | X | 39.297 | 42 |
| 23 | MP4A | Z | -22.688 | 42 |

Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 24 | MP4A | Mx | .02 | 42 |
| 25 | OVP | X | 111.952 | 24 |
| 26 | OVP | Z | -64.636 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 110.707 | 6 |
| 29 | MP5A | Z | -63.917 | 6 |
| 30 | MP5A | Mx | 055 | 6 |
| 31 | MP5A | X | 110.707 | 66 |
| 32 | MP5A | Z | -63.917 | 66 |
| 33 | MP5A | Mx | 055 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 135.699 | 6 |
| 2 | MP3A | Z | 0 | 6 |
| 3 | MP3A | Mx | 068 | 6 |
| 4 | MP3A | Χ | 135.699 | 66 |
| 5 | MP3A | Z | 0 | 66 |
| 6 | MP3A | Mx | 068 | 66 |
| 7 | MP3A | X | 135.699 | 6 |
| 8 | MP3A | Z | 0 | 6 |
| 9 | MP3A | Mx | 068 | 6 |
| 10 | MP3A | X | 135.699 | 66 |
| 11 | MP3A | Z | 0 | 66 |
| 12 | MP3A | Mx | 068 | 66 |
| 13 | MP1A | X | 34.027 | 24 |
| 14 | MP1A | Z | 0 | 24 |
| 15 | MP1A | Mx | 017 | 24 |
| 16 | MP1A | X | 34.027 | 48 |
| 17 | MP1A | Z | 0 | 48 |
| 18 | MP1A | Mx | 017 | 48 |
| 19 | MP3A | X | 46.232 | 42 |
| 20 | MP3A | Z | 0 | 42 |
| 21 | MP3A | Mx | .023 | 42 |
| 22 | MP4A | X | 37.448 | 42 |
| 23 | MP4A | Z | 0 | 42 |
| 24 | MP4A | Mx | .019 | 42 |
| 25 | OVP | X | 145.997 | 24 |
| 26 | OVP | Z | 0 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 113.549 | 6 |
| 29 | MP5A | Z | 0 | 6 |
| 30 | MP5A | Mx | 057 | 6 |
| 31 | MP5A | X | 113.549 | 66 |
| 32 | MP5A | Z | 0 | 66 |
| 33 | MP5A | Mx | 057 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 127.657 | 6 |
| 2 | MP3A | Z | 73.703 | 6 |
| 3 | MP3A | Mx | 015 | 6 |
| 4 | MP3A | X | 127.657 | 66 |
| 5 | MP3A | Z | 73.703 | 66 |
| 6 | MP3A | Mx | 015 | 66 |
| 7 | MP3A | X | 127.657 | 6 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 8 | MP3A | Z | 73.703 | 6 |
| 9 | MP3A | Mx | 113 | 6 |
| 10 | MP3A | X | 127.657 | 66 |
| 11 | MP3A | Z | 73.703 | 66 |
| 12 | MP3A | Mx | 113 | 66 |
| 13 | MP1A | X | 40.919 | 24 |
| 14 | MP1A | Z | 23.625 | 24 |
| 15 | MP1A | Mx | 02 | 24 |
| 16 | MP1A | X | 40.919 | 48 |
| 17 | MP1A | Z | 23.625 | 48 |
| 18 | MP1A | Mx | 02 | 48 |
| 19 | MP3A | X | 45.003 | 42 |
| 20 | MP3A | Z | 25.982 | 42 |
| 21 | MP3A | Mx | .023 | 42 |
| 22 | MP4A | X | 39.297 | 42 |
| 23 | MP4A | Z | 22.688 | 42 |
| 24 | MP4A | Mx | .02 | 42 |
| 25 | OVP | X | 129.114 | 24 |
| 26 | OVP | Z | 74.544 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 110.707 | 6 |
| 29 | MP5A | Z | 63.917 | 6 |
| 30 | MP5A | Mx | 055 | 6 |
| 31 | MP5A | X | 110.707 | 66 |
| 32 | MP5A | Z | 63.917 | 66 |
| 33 | MP5A | Mx | 055 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 85.409 | 6 |
| 2 | MP3A | Z | 147.932 | 6 |
| 3 | MP3A | Mx | .056 | 6 |
| 4 | MP3A | X | 85.409 | 66 |
| 5 | MP3A | Z | 147.932 | 66 |
| 6 | MP3A | Mx | .056 | 66 |
| 7 | MP3A | X | 85.409 | 6 |
| 8 | MP3A | Z | 147.932 | 6 |
| 9 | MP3A | Mx | 141 | 6 |
| 10 | MP3A | X | 85.409 | 66 |
| 11 | MP3A | Z | 147.932 | 66 |
| 12 | MP3A | Mx | 141 | 66 |
| 13 | MP1A | X | 36.847 | 24 |
| 14 | MP1A | Z | 63.821 | 24 |
| 15 | MP1A | Mx | 018 | 24 |
| 16 | MP1A | X | 36.847 | 48 |
| 17 | MP1A | Z | 63.821 | 48 |
| 18 | MP1A | Mx | 018 | 48 |
| 19 | MP3A | X | 31.715 | 42 |
| 20 | MP3A | Z | 54.932 | 42 |
| 21 | MP3A | Mx | .016 | 42 |
| 22 | MP4A | X | 30.617 | 42 |
| 23 | MP4A | Z | 53.03 | 42 |
| 24 | MP4A | Mx | .015 | 42 |
| 25 | OVP | X | 67.726 | 24 |
| 26 | OVP | Z | 117.306 | 24 |
| 27 | OVP | Mx | 0 | 24 |

Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 28 | MP5A | X | 78.202 | 6 |
| 29 | MP5A | Z | 135.449 | 6 |
| 30 | MP5A | Mx | 039 | 6 |
| 31 | MP5A | X | 78.202 | 66 |
| 32 | MP5A | Z | 135.449 | 66 |
| 33 | MP5A | M× | 039 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 0 | 6 |
| 2 | MP3A | Z | 182.524 | 6 |
| 3 | MP3A | Mx | .122 | 6 |
| 4 | MP3A | X | 0 | 66 |
| 5 | MP3A | Z | 182.524 | 66 |
| 6 | MP3A | Mx | .122 | 66 |
| 7 | MP3A | X | 0 | 6 |
| 8 | MP3A | Z | 182.524 | 6 |
| 9 | MP3A | Mx | 122 | 6 |
| 10 | MP3A | Χ | 0 | 66 |
| 11 | MP3A | Z | 182.524 | 66 |
| 12 | MP3A | Mx | 122 | 66 |
| 13 | MP1A | X | 0 | 24 |
| 14 | MP1A | Z | 86.916 | 24 |
| 15 | MP1A | Mx | 0 | 24 |
| 16 | MP1A | X | 0 | 48 |
| 17 | MP1A | Z | 86.916 | 48 |
| 18 | MP1A | Mx | 0 | 48 |
| 19 | MP3A | X | 0 | 42 |
| 20 | MP3A | Z | 69.163 | 42 |
| 21 | MP3A | Mx | 0 | 42 |
| 22 | MP4A | X | 0 | 42 |
| 23 | MP4A | Z | 69.163 | 42 |
| 24 | MP4A | Mx | 0 | 42 |
| 25 | OVP | X | 0 | 24 |
| 26 | OVP | Z | 118.727 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 0 | 6 |
| 29 | MP5A | Z | 170.688 | 6 |
| 30 | MP5A | Mx | 0 | 6 |
| 31 | MP5A | X | 0 | 66 |
| 32 | MP5A | Z | 170.688 | 66 |
| 33 | MP5A | Mx | 0 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -85.409 | 6 |
| 2 | MP3A | Z | 147.932 | 6 |
| 3 | MP3A | Mx | .141 | 6 |
| 4 | MP3A | X | -85.409 | 66 |
| 5 | MP3A | Z | 147.932 | 66 |
| 6 | MP3A | Mx | .141 | 66 |
| 7 | MP3A | X | -85.409 | 6 |
| 8 | MP3A | Z | 147.932 | 6 |
| 9 | MP3A | Mx | 056 | 6 |
| 10 | MP3A | X | -85.409 | 66 |
| 11 | MP3A | Z | 147.932 | 66 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 12 | MP3A | Mx | 056 | 66 |
| 13 | MP1A | X | -36.847 | 24 |
| 14 | MP1A | Z | 63.821 | 24 |
| 15 | MP1A | Mx | .018 | 24 |
| 16 | MP1A | X | -36.847 | 48 |
| 17 | MP1A | Z | 63.821 | 48 |
| 18 | MP1A | Mx | .018 | 48 |
| 19 | MP3A | X | -31.715 | 42 |
| 20 | MP3A | Z | 54.932 | 42 |
| 21 | MP3A | Mx | 016 | 42 |
| 22 | MP4A | X | -30.617 | 42 |
| 23 | MP4A | Z | 53.03 | 42 |
| 24 | MP4A | Mx | 015 | 42 |
| 25 | OVP | X | -57.818 | 24 |
| 26 | OVP | Z | 100.144 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | -78.202 | 6 |
| 29 | MP5A | Z | 135.449 | 6 |
| 30 | MP5A | Mx | .039 | 6 |
| 31 | MP5A | X | -78.202 | 66 |
| 32 | MP5A | Z | 135.449 | 66 |
| 33 | MP5A | Mx | .039 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -127.657 | 6 |
| 2 | MP3A | Z | 73.703 | 6 |
| 3 | MP3A | Mx | .113 | 6 |
| 4 | MP3A | X | -127.657 | 66 |
| 5 | MP3A | Z | 73.703 | 66 |
| 6 | MP3A | Mx | .113 | 66 |
| 7 | MP3A | X | -127.657 | 6 |
| 8 | MP3A | Z | 73.703 | 6 |
| 9 | MP3A | Mx | .015 | 6 |
| 10 | MP3A | X | -127.657 | 66 |
| 11 | MP3A | Z | 73.703 | 66 |
| 12 | MP3A | Mx | .015 | 66 |
| 13 | MP1A | X | -40.919 | 24 |
| 14 | MP1A | Z | 23.625 | 24 |
| 15 | MP1A | Mx | .02 | 24 |
| 16 | MP1A | X | -40.919 | 48 |
| 17 | MP1A | Z | 23.625 | 48 |
| 18 | MP1A | Mx | .02 | 48 |
| 19 | MP3A | X | -45.003 | 42 |
| 20 | MP3A | Z | 25.982 | 42 |
| 21 | MP3A | Mx | 023 | 42 |
| 22 | MP4A | X | -39.297 | 42 |
| 23 | MP4A | Z | 22.688 | 42 |
| 24 | MP4A | Mx | 02 | 42 |
| 25 | OVP | X | -111.952 | 24 |
| 26 | OVP | Z | 64.636 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | -110.707 | 6 |
| 29 | MP5A | Z | 63.917 | 6 |
| 30 | MP5A | Mx | .055 | 6 |
| 31 | MP5A | X | -110.707 | 66 |

Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 32 | MP5A | Z | 63.917 | 66 |
| 33 | MP5A | Mx | .055 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -135.699 | 6 |
| 2 | MP3A | Z | 0 | 6 |
| 3 | MP3A | Mx | .068 | 6 |
| 4 | MP3A | X | -135.699 | 66 |
| 5 | MP3A | Z | 0 | 66 |
| 6 | MP3A | Mx | .068 | 66 |
| 7 | MP3A | X | -135.699 | 6 |
| 8 | MP3A | Z | 0 | 6 |
| 9 | MP3A | Mx | .068 | 6 |
| 10 | MP3A | X | -135.699 | 66 |
| 11 | MP3A | Z | 0 | 66 |
| 12 | MP3A | Mx | .068 | 66 |
| 13 | MP1A | X | -34.027 | 24 |
| 14 | MP1A | Z | 0 | 24 |
| 15 | MP1A | Mx | .017 | 24 |
| 16 | MP1A | X | -34.027 | 48 |
| 17 | MP1A | Z | 0 | 48 |
| 18 | MP1A | Mx | .017 | 48 |
| 19 | MP3A | X | -46.232 | 42 |
| 20 | MP3A | Z | 0 | 42 |
| 21 | MP3A | Mx | 023 | 42 |
| 22 | MP4A | X | -37.448 | 42 |
| 23 | MP4A | Z | 0 | 42 |
| 24 | MP4A | Mx | 019 | 42 |
| 25 | OVP | X | -145.997 | 24 |
| 26 | OVP | Z | 0 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | -113.549 | 6 |
| 29 | MP5A | Z | 0 | 6 |
| 30 | MP5A | Mx | .057 | 6 |
| 31 | MP5A | X | -113.549 | 66 |
| 32 | MP5A | Z | 0 | 66 |
| 33 | MP5A | Mx | .057 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -127.657 | 6 |
| 2 | MP3A | Z | -73.703 | 6 |
| 3 | MP3A | Mx | .015 | 6 |
| 4 | MP3A | X | -127.657 | 66 |
| 5 | MP3A | Z | -73.703 | 66 |
| 6 | MP3A | Mx | .015 | 66 |
| 7 | MP3A | X | -127.657 | 6 |
| 8 | MP3A | Z | -73.703 | 6 |
| 9 | MP3A | Mx | .113 | 6 |
| 10 | MP3A | X | -127.657 | 66 |
| 11 | MP3A | Z | -73.703 | 66 |
| 12 | MP3A | Mx | .113 | 66 |
| 13 | MP1A | X | -40.919 | 24 |
| 14 | MP1A | Z | -23.625 | 24 |
| 15 | MP1A | Mx | .02 | 24 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 16 | MP1A | X | -40.919 | 48 |
| 17 | MP1A | Z | -23.625 | 48 |
| 18 | MP1A | Mx | .02 | 48 |
| 19 | MP3A | X | -45.003 | 42 |
| 20 | MP3A | Z | -25.982 | 42 |
| 21 | MP3A | Mx | 023 | 42 |
| 22 | MP4A | X | -39.297 | 42 |
| 23 | MP4A | Z | -22.688 | 42 |
| 24 | MP4A | Mx | 02 | 42 |
| 25 | OVP | X | -129.114 | 24 |
| 26 | OVP | Z | -74.544 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | -110.707 | 6 |
| 29 | MP5A | Z | -63.917 | 6 |
| 30 | MP5A | Mx | .055 | 6 |
| 31 | MP5A | X | -110.707 | 66 |
| 32 | MP5A | Z | -63.917 | 66 |
| 33 | MP5A | Mx | .055 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -85.409 | 6 |
| 2 | MP3A | Z | -147.932 | 6 |
| 3 | MP3A | Mx | 056 | 6 |
| 4 | MP3A | X | -85.409 | 66 |
| 5 | MP3A | Z | -147.932 | 66 |
| 6 | MP3A | Mx | 056 | 66 |
| 7 | MP3A | X | -85.409 | 6 |
| 8 | MP3A | Z | -147.932 | 6 |
| 9 | MP3A | Mx | .141 | 6 |
| 10 | MP3A | X | -85.409 | 66 |
| 11 | MP3A | Z | -147.932 | 66 |
| 12 | MP3A | Mx | .141 | 66 |
| 13 | MP1A | X | -36.847 | 24 |
| 14 | MP1A | Z | -63.821 | 24 |
| 15 | MP1A | Mx | .018 | 24 |
| 16 | MP1A | X | -36.847 | 48 |
| 17 | MP1A | Z | -63.821 | 48 |
| 18 | MP1A | Mx | .018 | 48 |
| 19 | MP3A | X | -31.715 | 42 |
| 20 | MP3A | Z | -54.932 | 42 |
| 21 | MP3A | Mx | 016 | 42 |
| 22 | MP4A | X | -30.617 | 42 |
| 23 | MP4A | Z | -53.03 | 42 |
| 24 | MP4A | Mx | 015 | 42 |
| 25 | OVP | X | -67.726 | 24 |
| 26 | OVP | Z | -117.306 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | -78.202 | 6 |
| 29 | MP5A | Z | -135.449 | 6 |
| 30 | MP5A | Mx | .039 | 6 |
| 31 | MP5A | X | -78.202 | 66 |
| 32 | MP5A | Z | -135.449 | 66 |
| 33 | MP5A | Mx | .039 | 66 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 0 | 6 |
| 2 | MP3A | Z | -33.489 | 6 |
| 3 | MP3A | Mx | 022 | 6 |
| 4 | MP3A | X | 0 | 66 |
| 5 | MP3A | Z | -33.489 | 66 |
| 6 | MP3A | Mx | 022 | 66 |
| 7 | MP3A | X | 0 | 6 |
| 8 | MP3A | Z | -33.489 | 6 |
| 9 | MP3A | Mx | .022 | 6 |
| 10 | MP3A | X | 0 | 66 |
| 11 | MP3A | Z | -33.489 | 66 |
| 12 | MP3A | Mx | .022 | 66 |
| 13 | MP1A | X | 0 | 24 |
| 14 | MP1A | Z | -16.532 | 24 |
| 15 | MP1A | Mx | 0 | 24 |
| 16 | MP1A | X | 0 | 48 |
| 17 | MP1A | Z | -16.532 | 48 |
| 18 | MP1A | Mx | 0 | 48 |
| 19 | MP3A | X | 0 | 42 |
| 20 | MP3A | Z | -13.949 | 42 |
| 21 | MP3A | Mx | 0 | 42 |
| 22 | MP4A | X | 0 | 42 |
| 23 | MP4A | Z | -13.949 | 42 |
| 24 | MP4A | Mx | 0 | 42 |
| 25 | OVP | X | 0 | 24 |
| 26 | OVP | Z | -23.133 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 0 | 6 |
| 29 | MP5A | Z | -31.607 | 6 |
| 30 | MP5A | Mx | 0 | 6 |
| 31 | MP5A | X | 0 | 66 |
| 32 | MP5A | Z | -31.607 | 66 |
| 33 | MP5A | Mx | 0 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 15.726 | 6 |
| 2 | MP3A | Z | -27.239 | 6 |
| 3 | MP3A | Mx | 026 | 6 |
| 4 | MP3A | X | 15.726 | 66 |
| 5 | MP3A | Z | -27.239 | 66 |
| 6 | MP3A | Mx | 026 | 66 |
| 7 | MP3A | X | 15.726 | 6 |
| 8 | MP3A | Z | -27.239 | 6 |
| 9 | MP3A | Mx | .01 | 6 |
| 10 | MP3A | X | 15.726 | 66 |
| 11 | MP3A | Z | -27.239 | 66 |
| 12 | MP3A | Mx | .01 | 66 |
| 13 | MP1A | X | 7.081 | 24 |
| 14 | MP1A | Z | -12.265 | 24 |
| 15 | MP1A | Mx | 004 | 24 |
| 16 | MP1A | X | 7.081 | 48 |
| 17 | MP1A | Z | -12.265 | 48 |
| 18 | MP1A | Mx | 004 | 48 |
| 19 | MP3A | X | 6.445 | 42 |
| 20 | MP3A | Z | -11.162 | 42 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 21 | MP3A | Mx | .003 | 42 |
| 22 | MP4A | X | 6.243 | 42 |
| 23 | MP4A | Z | -10.814 | 42 |
| 24 | MP4A | Mx | .003 | 42 |
| 25 | OVP | X | 11.296 | 24 |
| 26 | OVP | Z | -19.565 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 14.584 | 6 |
| 29 | MP5A | Z | -25.26 | 6 |
| 30 | MP5A | Mx | 007 | 6 |
| 31 | MP5A | X | 14.584 | 66 |
| 32 | MP5A | Z | -25.26 | 66 |
| 33 | MP5A | Mx | 007 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 23.712 | 6 |
| 2 | MP3A | Z | -13.69 | 6 |
| 3 | MP3A | Mx | 021 | 6 |
| 4 | MP3A | X | 23.712 | 66 |
| 5 | MP3A | Z | -13.69 | 66 |
| 6 | MP3A | Mx | 021 | 66 |
| 7 | MP3A | X | 23.712 | 6 |
| 8 | MP3A | Z | -13.69 | 6 |
| 9 | MP3A | Mx | 003 | 6 |
| 10 | MP3A | X | 23.712 | 66 |
| 11 | MP3A | Z | -13.69 | 66 |
| 12 | MP3A | Mx | 003 | 66 |
| 13 | MP1A | Χ | 8.161 | 24 |
| 14 | MP1A | Z | -4.712 | 24 |
| 15 | MP1A | Mx | 004 | 24 |
| 16 | MP1A | X | 8.161 | 48 |
| 17 | MP1A | Z | -4.712 | 48 |
| 18 | MP1A | Mx | 004 | 48 |
| 19 | MP3A | X | 9.327 | 42 |
| 20 | MP3A | Z | -5.385 | 42 |
| 21 | MP3A | Mx | .005 | 42 |
| 22 | MP4A | X | 8.281 | 42 |
| 23 | MP4A | Z | -4.781 | 42 |
| 24 | MP4A | Mx | .004 | 42 |
| 25 | OVP | X | 21.632 | 24 |
| 26 | OVP | Z | -12.489 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 21.036 | 6 |
| 29 | MP5A | Z | -12.145 | 6 |
| 30 | MP5A | Mx | 011 | 6 |
| 31 | MP5A | X | 21.036 | 66 |
| 32 | MP5A | Z | -12.145 | 66 |
| 33 | MP5A | Mx | 011 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 25.344 | 6 |
| 2 | MP3A | Z | 0 | 6 |
| 3 | MP3A | Mx | 013 | 6 |
| 4 | MP3A | X | 25.344 | 66 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 5 | MP3A | Z | 0 | 66 |
| 6 | MP3A | Mx | 013 | 66 |
| 7 | MP3A | X | 25.344 | 6 |
| 8 | MP3A | Z | 0 | 6 |
| 9 | MP3A | Mx | 013 | 6 |
| 10 | MP3A | X | 25.344 | 66 |
| 11 | MP3A | Z | 0 | 66 |
| 12 | MP3A | Mx | 013 | 66 |
| 13 | MP1A | X | 7.054 | 24 |
| 14 | MP1A | Z | 0 | 24 |
| 15 | MP1A | Mx | 004 | 24 |
| 16 | MP1A | X | 7.054 | 48 |
| 17 | MP1A | Z | 0 | 48 |
| 18 | MP1A | Mx | 004 | 48 |
| 19 | MP3A | X | 9.71 | 42 |
| 20 | MP3A | Z | 0 | 42 |
| 21 | MP3A | Mx | .005 | 42 |
| 22 | MP4A | X | 8.1 | 42 |
| 23 | MP4A | Z | 0 | 42 |
| 24 | MP4A | Mx | .004 | 42 |
| 25 | OVP | X | 27.908 | 24 |
| 26 | OVP | Z | 0 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 21.851 | 6 |
| 29 | MP5A | Z | 0 | 6 |
| 30 | MP5A | Mx | 011 | 6 |
| 31 | MP5A | X | 21.851 | 66 |
| 32 | MP5A | Z | 0 | 66 |
| 33 | MP5A | Mx | 011 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 23.712 | 6 |
| 2 | MP3A | Z | 13.69 | 6 |
| 3 | MP3A | Mx | 003 | 6 |
| 4 | MP3A | X | 23.712 | 66 |
| 5 | MP3A | Z | 13.69 | 66 |
| 6 | MP3A | Mx | 003 | 66 |
| 7 | MP3A | X | 23.712 | 6 |
| 8 | MP3A | Z | 13.69 | 6 |
| 9 | MP3A | Mx | 021 | 6 |
| 10 | MP3A | X | 23.712 | 66 |
| 11 | MP3A | Z | 13.69 | 66 |
| 12 | MP3A | Mx | 021 | 66 |
| 13 | MP1A | X | 8.161 | 24 |
| 14 | MP1A | Z | 4.712 | 24 |
| 15 | MP1A | Mx | 004 | 24 |
| 16 | MP1A | X | 8.161 | 48 |
| 17 | MP1A | Z | 4.712 | 48 |
| 18 | MP1A | Mx | 004 | 48 |
| 19 | MP3A | X | 9.327 | 42 |
| 20 | MP3A | Z | 5.385 | 42 |
| 21 | MP3A | Mx | .005 | 42 |
| 22 | MP4A | X | 8.281 | 42 |
| 23 | MP4A | Z | 4.781 | 42 |
| 24 | MP4A | Mx | .004 | 42 |

Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 25 | OVP | X | 24.637 | 24 |
| 26 | OVP | Z | 14.224 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 21.036 | 6 |
| 29 | MP5A | Z | 12.145 | 6 |
| 30 | MP5A | Mx | 011 | 6 |
| 31 | MP5A | X | 21.036 | 66 |
| 32 | MP5A | Z | 12.145 | 66 |
| 33 | MP5A | Mx | 011 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 15.726 | 6 |
| 2 | MP3A | Z | 27.239 | 6 |
| 3 | MP3A | Mx | .01 | 6 |
| 4 | MP3A | X | 15.726 | 66 |
| 5 | MP3A | Z | 27.239 | 66 |
| 6 | MP3A | Mx | .01 | 66 |
| 7 | MP3A | X | 15.726 | 6 |
| 8 | MP3A | Z | 27.239 | 6 |
| 9 | MP3A | Mx | 026 | 6 |
| 10 | MP3A | X | 15.726 | 66 |
| 11 | MP3A | Z | 27.239 | 66 |
| 12 | MP3A | Mx | 026 | 66 |
| 13 | MP1A | X | 7.081 | 24 |
| 14 | MP1A | Z | 12.265 | 24 |
| 15 | MP1A | Mx | 004 | 24 |
| 16 | MP1A | X | 7.081 | 48 |
| 17 | MP1A | Z | 12.265 | 48 |
| 18 | MP1A | Mx | 004 | 48 |
| 19 | MP3A | X | 6.445 | 42 |
| 20 | MP3A | Z | 11.162 | 42 |
| 21 | MP3A | Mx | .003 | 42 |
| 22 | MP4A | X | 6.243 | 42 |
| 23 | MP4A | Z | 10.814 | 42 |
| 24 | MP4A | Mx | .003 | 42 |
| 25 | OVP | X | 13.031 | 24 |
| 26 | OVP | Z | 22.57 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 14.584 | 6 |
| 29 | MP5A | Z | 25.26 | 6 |
| 30 | MP5A | Mx | 007 | 6 |
| 31 | MP5A | X | 14.584 | 66 |
| 32 | MP5A | Z | 25.26 | 66 |
| 33 | MP5A | Mx | 007 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 0 | 6 |
| 2 | MP3A | Z | 33.489 | 6 |
| 3 | MP3A | Mx | .022 | 6 |
| 4 | MP3A | X | 0 | 66 |
| 5 | MP3A | Z | 33.489 | 66 |
| 6 | MP3A | Mx | .022 | 66 |
| 7 | MP3A | X | 0 | 6 |
| 8 | MP3A | Z | 33.489 | 6 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 9 | MP3A | Mx | 022 | 6 |
| 10 | MP3A | X | 0 | 66 |
| 11 | MP3A | Z | 33.489 | 66 |
| 12 | MP3A | Mx | 022 | 66 |
| 13 | MP1A | X | 0 | 24 |
| 14 | MP1A | Z | 16.532 | 24 |
| 15 | MP1A | Mx | 0 | 24 |
| 16 | MP1A | X | 0 | 48 |
| 17 | MP1A | Z | 16.532 | 48 |
| 18 | MP1A | Mx | 0 | 48 |
| 19 | MP3A | X | 0 | 42 |
| 20 | MP3A | Z | 13.949 | 42 |
| 21 | MP3A | Mx | 0 | 42 |
| 22 | MP4A | X | 0 | 42 |
| 23 | MP4A | Z | 13.949 | 42 |
| 24 | MP4A | Mx | 0 | 42 |
| 25 | OVP | X | 0 | 24 |
| 26 | OVP | Z | 23.133 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 0 | 6 |
| 29 | MP5A | Z | 31.607 | 6 |
| 30 | MP5A | Mx | 0 | 6 |
| 31 | MP5A | X | 0 | 66 |
| 32 | MP5A | Z | 31.607 | 66 |
| 33 | MP5A | Mx | 0 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -15.726 | 6 |
| 2 | MP3A | Z | 27.239 | 6 |
| 3 | MP3A | Mx | .026 | 6 |
| 4 | MP3A | X | -15.726 | 66 |
| 5 | MP3A | Z | 27.239 | 66 |
| 6 | MP3A | Mx | .026 | 66 |
| 7 | MP3A | X | -15.726 | 6 |
| 8 | MP3A | Z | 27.239 | 6 |
| 9 | MP3A | Mx | 01 | 6 |
| 10 | MP3A | X | -15.726 | 66 |
| 11 | MP3A | Z | 27.239 | 66 |
| 12 | MP3A | Mx | 01 | 66 |
| 13 | MP1A | X | -7.081 | 24 |
| 14 | MP1A | Z | 12.265 | 24 |
| 15 | MP1A | Mx | .004 | 24 |
| 16 | MP1A | X | -7.081 | 48 |
| 17 | MP1A | Z | 12.265 | 48 |
| 18 | MP1A | Mx | .004 | 48 |
| 19 | MP3A | X | -6.445 | 42 |
| 20 | MP3A | Z | 11.162 | 42 |
| 21 | MP3A | Mx | 003 | 42 |
| 22 | MP4A | X | -6.243 | 42 |
| 23 | MP4A | Z | 10.814 | 42 |
| 24 | MP4A | Mx | 003 | 42 |
| 25 | OVP | X | -11.296 | 24 |
| 26 | OVP | Z | 19.565 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | -14.584 | 6 |

Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 29 | MP5A | Z | 25.26 | 6 |
| 30 | MP5A | Mx | .007 | 6 |
| 31 | MP5A | X | -14.584 | 66 |
| 32 | MP5A | Z | 25.26 | 66 |
| 33 | MP5A | Mx | .007 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -23.712 | 6 |
| 2 | MP3A | Z | 13.69 | 6 |
| 3 | MP3A | Mx | .021 | 6 |
| 4 | MP3A | X | -23.712 | 66 |
| 5 | MP3A | Z | 13.69 | 66 |
| 6 | MP3A | Mx | .021 | 66 |
| 7 | MP3A | X | -23.712 | 6 |
| 8 | MP3A | Z | 13.69 | 6 |
| 9 | MP3A | Mx | .003 | 6 |
| 10 | MP3A | X | -23.712 | 66 |
| 11 | MP3A | Z | 13.69 | 66 |
| 12 | MP3A | Mx | .003 | 66 |
| 13 | MP1A | X | -8.161 | 24 |
| 14 | MP1A | Z | 4.712 | 24 |
| 15 | MP1A | Mx | .004 | 24 |
| 16 | MP1A | X | -8.161 | 48 |
| 17 | MP1A | Z | 4.712 | 48 |
| 18 | MP1A | Mx | .004 | 48 |
| 19 | MP3A | X | -9.327 | 42 |
| 20 | MP3A | Z | 5.385 | 42 |
| 21 | MP3A | Mx | 005 | 42 |
| 22 | MP4A | X | -8.281 | 42 |
| 23 | MP4A | Z | 4.781 | 42 |
| 24 | MP4A | Mx | 004 | 42 |
| 25 | OVP | X | -21.632 | 24 |
| 26 | OVP | Z | 12.489 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | -21.036 | 6 |
| 29 | MP5A | Z | 12.145 | 6 |
| 30 | MP5A | Mx | .011 | 6 |
| 31 | MP5A | X | -21.036 | 66 |
| 32 | MP5A | Z | 12.145 | 66 |
| 33 | MP5A | Mx | .011 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -25.344 | 6 |
| 2 | MP3A | Z | 0 | 6 |
| 3 | MP3A | Mx | .013 | 6 |
| 4 | MP3A | X | -25.344 | 66 |
| 5 | MP3A | Z | 0 | 66 |
| 6 | MP3A | Mx | .013 | 66 |
| 7 | MP3A | X | -25.344 | 6 |
| 8 | MP3A | Z | 0 | 6 |
| 9 | MP3A | Mx | .013 | 6 |
| 10 | MP3A | X | -25.344 | 66 |
| 11 | MP3A | Z | 0 | 66 |
| 12 | MP3A | Mx | .013 | 66 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 13 | MP1A | X | -7.054 | 24 |
| 14 | MP1A | Z | 0 | 24 |
| 15 | MP1A | Mx | .004 | 24 |
| 16 | MP1A | X | -7.054 | 48 |
| 17 | MP1A | Z | 0 | 48 |
| 18 | MP1A | Mx | .004 | 48 |
| 19 | MP3A | X | -9.71 | 42 |
| 20 | MP3A | Z | 0 | 42 |
| 21 | MP3A | Mx | 005 | 42 |
| 22 | MP4A | X | -8.1 | 42 |
| 23 | MP4A | Z | 0 | 42 |
| 24 | MP4A | Mx | 004 | 42 |
| 25 | OVP | X | -27.908 | 24 |
| 26 | OVP | Z | 0 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | -21.851 | 6 |
| 29 | MP5A | Z | 0 | 6 |
| 30 | MP5A | Mx | .011 | 6 |
| 31 | MP5A | X | -21.851 | 66 |
| 32 | MP5A | Z | 0 | 66 |
| 33 | MP5A | Mx | .011 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -23.712 | 6 |
| 2 | MP3A | Z | -13.69 | 6 |
| 3 | MP3A | Mx | .003 | 6 |
| 4 | MP3A | X | -23.712 | 66 |
| 5 | MP3A | Z | -13.69 | 66 |
| 6 | MP3A | Mx | .003 | 66 |
| 7 | MP3A | X | -23.712 | 6 |
| 8 | MP3A | Z | -13.69 | 6 |
| 9 | MP3A | Mx | .021 | 6 |
| 10 | MP3A | X | -23.712 | 66 |
| 11 | MP3A | Z | -13.69 | 66 |
| 12 | MP3A | Mx | .021 | 66 |
| 13 | MP1A | X | -8.161 | 24 |
| 14 | MP1A | Z | -4.712 | 24 |
| 15 | MP1A | Mx | .004 | 24 |
| 16 | MP1A | X | -8.161 | 48 |
| 17 | MP1A | Z | -4.712 | 48 |
| 18 | MP1A | Mx | .004 | 48 |
| 19 | MP3A | X | -9.327 | 42 |
| 20 | MP3A | Z | -5.385 | 42 |
| 21 | MP3A | Mx | 005 | 42 |
| 22 | MP4A | X | -8.281 | 42 |
| 23 | MP4A | Z | -4.781 | 42 |
| 24 | MP4A | Mx | 004 | 42 |
| 25 | OVP | X | -24.637 | 24 |
| 26 | OVP | Z | -14.224 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | -21.036 | 6 |
| 29 | MP5A | Z | -12.145 | 6 |
| 30 | MP5A | Mx | .011 | 6 |
| 31 | MP5A | X | -21.036 | 66 |
| 32 | MP5A | Z | -12.145 | 66 |

Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 33 | MP5A | Mx | .011 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | -15.726 | 6 |
| 2 | MP3A | Z | -27.239 | 6 |
| 3 | MP3A | Mx | 01 | 6 |
| 4 | MP3A | X | -15.726 | 66 |
| 5 | MP3A | Z | -27.239 | 66 |
| 6 | MP3A | Mx | 01 | 66 |
| 7 | MP3A | X | -15.726 | 6 |
| 8 | MP3A | Z | -27.239 | 6 |
| 9 | MP3A | Mx | .026 | 6 |
| 10 | MP3A | X | -15.726 | 66 |
| 11 | MP3A | Z | -27.239 | 66 |
| 12 | MP3A | Mx | .026 | 66 |
| 13 | MP1A | X | -7.081 | 24 |
| 14 | MP1A | Z | -12.265 | 24 |
| 15 | MP1A | Mx | .004 | 24 |
| 16 | MP1A | X | -7.081 | 48 |
| 17 | MP1A | Z | -12.265 | 48 |
| 18 | MP1A | Mx | .004 | 48 |
| 19 | MP3A | X | -6.445 | 42 |
| 20 | MP3A | Z | -11.162 | 42 |
| 21 | MP3A | Mx | 003 | 42 |
| 22 | MP4A | X | -6.243 | 42 |
| 23 | MP4A | Z | -10.814 | 42 |
| 24 | MP4A | Mx | 003 | 42 |
| 25 | OVP | X | -13.031 | 24 |
| 26 | OVP | Z | -22.57 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | -14.584 | 6 |
| 29 | MP5A | Z | -25.26 | 6 |
| 30 | MP5A | Mx | .007 | 6 |
| 31 | MP5A | X | -14.584 | 66 |
| 32 | MP5A | Z | -25.26 | 66 |
| 33 | MP5A | Mx | .007 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 0 | 6 |
| 2 | MP3A | Z | 11 | 6 |
| 3 | MP3A | Mx | -7.3e-5 | 6 |
| 4 | MP3A | X | 0 | 66 |
| 5 | MP3A | Z | 11 | 66 |
| 6 | MP3A | Mx | -7.3e-5 | 66 |
| 7 | MP3A | X | 0 | 6 |
| 8 | MP3A | Z | 11 | 6 |
| 9 | MP3A | Mx | 7.3e-5 | 6 |
| 10 | MP3A | X | 0 | 66 |
| 11 | MP3A | Z | 11 | 66 |
| 12 | MP3A | Mx | 7.3e-5 | 66 |
| 13 | MP1A | X | 0 | 24 |
| 14 | MP1A | Z | 053 | 24 |
| 15 | MP1A | Mx | 0 | 24 |
| 16 | MP1A | X | 0 | 48 |

Company : Maser Consulting

Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 17 | MP1A | Z | 053 | 48 |
| 18 | MP1A | Mx | 0 | 48 |
| 19 | MP3A | X | 0 | 42 |
| 20 | MP3A | Z | 042 | 42 |
| 21 | MP3A | Mx | 0 | 42 |
| 22 | MP4A | X | 0 | 42 |
| 23 | MP4A | Z | 042 | 42 |
| 24 | MP4A | Mx | 0 | 42 |
| 25 | OVP | X | 0 | 24 |
| 26 | OVP | Z | 072 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 0 | 6 |
| 29 | MP5A | Z | 103 | 6 |
| 30 | MP5A | Mx | 0 | 6 |
| 31 | MP5A | X | 0 | 66 |
| 32 | MP5A | Z | 103 | 66 |
| 33 | MP5A | Mx | 0 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | .052 | 6 |
| 2 | MP3A | Z | 089 | 6 |
| 3 | MP3A | Mx | -8.5e-5 | 6 |
| 4 | MP3A | X | .052 | 66 |
| 5 | MP3A | Z | 089 | 66 |
| 6 | MP3A | Mx | -8.5e-5 | 66 |
| 7 | MP3A | X | .052 | 6 |
| 8 | MP3A | Z | 089 | 6 |
| 9 | MP3A | Mx | 3.3e-5 | 6 |
| 10 | MP3A | X | .052 | 66 |
| 11 | MP3A | Z | 089 | 66 |
| 12 | MP3A | Mx | 3.3e-5 | 66 |
| 13 | MP1A | X | .022 | 24 |
| 14 | MP1A | Z | 039 | 24 |
| 15 | MP1A | Mx | -1.1e-5 | 24 |
| 16 | MP1A | X | .022 | 48 |
| 17 | MP1A | Z | 039 | 48 |
| 18 | MP1A | Mx | -1.1e-5 | 48 |
| 19 | MP3A | X | .019 | 42 |
| 20 | MP3A | Z | 033 | 42 |
| 21 | MP3A | Mx | 9e-6 | 42 |
| 22 | MP4A | X | .019 | 42 |
| 23 | MP4A | Z | 032 | 42 |
| 24 | MP4A | Mx | 9e-6 | 42 |
| 25 | OVP | X | .035 | 24 |
| 26 | OVP | Z | 061 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | .047 | 6 |
| 29 | MP5A | Z | 082 | 6 |
| 30 | MP5A | Mx | -2.4e-5 | 6 |
| 31 | MP5A | X | .047 | 66 |
| 32 | MP5A | Z | 082 | 66 |
| 33 | MP5A | Mx | -2.4e-5 | 66 |

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

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

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | .077 | 6 |
| 2 | MP3A | Z | 045 | 6 |
| 3 | MP3A | Mx | -6.8e-5 | 6 |
| 4 | MP3A | X | .077 | 66 |
| 5 | MP3A | Z | 045 | 66 |
| 6 | MP3A | Mx | -6.8e-5 | 66 |
| 7 | MP3A | X | .077 | 6 |
| 8 | MP3A | Z | 045 | 6 |
| 9 | MP3A | Mx | -8e-6 | 6 |
| 10 | MP3A | X | .077 | 66 |
| 11 | MP3A | Z | 045 | 66 |
| 12 | MP3A | Mx | -8e-6 | 66 |
| 13 | MP1A | X | .025 | 24 |
| 14 | MP1A | Z | 014 | 24 |
| 15 | MP1A | Mx | -1.3e-5 | 24 |
| 16 | MP1A | X | .025 | 48 |
| 17 | MP1A | Z | 014 | 48 |
| 18 | MP1A | Mx | -1.3e-5 | 48 |
| 19 | MP3A | X | .027 | 42 |
| 20 | MP3A | Z | 016 | 42 |
| 21 | MP3A | Mx | 1.4e-5 | 42 |
| 22 | MP4A | X | .024 | 42 |
| 23 | MP4A | Z | 014 | 42 |
| 24 | MP4A | Mx | 1.2e-5 | 42 |
| 25 | OVP | X | .068 | 24 |
| 26 | OVP | Z | 039 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | .067 | 6 |
| 29 | MP5A | Z | 039 | 6 |
| 30 | MP5A | Mx | -3.4e-5 | 6 |
| 31 | MP5A | X | .067 | 66 |
| 32 | MP5A | Z | 039 | 66 |
| 33 | MP5A | Mx | -3.4e-5 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | .082 | 6 |
| 2 | MP3A | Z | 0 | 6 |
| 3 | MP3A | Mx | -4.1e-5 | 6 |
| 4 | MP3A | X | .082 | 66 |
| 5 | MP3A | Z | 0 | 66 |
| 6 | MP3A | Mx | -4.1e-5 | 66 |
| 7 | MP3A | X | .082 | 6 |
| 8 | MP3A | Z | 0 | 6 |
| 9 | MP3A | Mx | -4.1e-5 | 6 |
| 10 | MP3A | X | .082 | 66 |
| 11 | MP3A | Z | 0 | 66 |
| 12 | MP3A | Mx | -4.1e-5 | 66 |
| 13 | MP1A | X | .021 | 24 |
| 14 | MP1A | Z | 0 | 24 |
| 15 | MP1A | Mx | -1e-5 | 24 |
| 16 | MP1A | X | .021 | 48 |
| 17 | MP1A | Z | 0 | 48 |
| 18 | MP1A | Mx | -1e-5 | 48 |
| 19 | MP3A | X | .028 | 42 |
| 20 | MP3A | Z | 0 | 42 |

Company : Maser Consulting

Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 21 | MP3A | Mx | 1.4e-5 | 42 |
| 22 | MP4A | X | .023 | 42 |
| 23 | MP4A | Z | 0 | 42 |
| 24 | MP4A | Mx | 1.2e-5 | 42 |
| 25 | OVP | X | .088 | 24 |
| 26 | OVP | Z | 0 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | .069 | 6 |
| 29 | MP5A | Z | 0 | 6 |
| 30 | MP5A | Mx | -3.5e-5 | 6 |
| 31 | MP5A | X | .069 | 66 |
| 32 | MP5A | Z | 0 | 66 |
| 33 | MP5A | Mx | -3.5e-5 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | .077 | 6 |
| 2 | MP3A | Z | .045 | 6 |
| 3 | MP3A | Mx | -8e-6 | 6 |
| 4 | MP3A | X | .077 | 66 |
| 5 | MP3A | Z | .045 | 66 |
| 6 | MP3A | Mx | -8e-6 | 66 |
| 7 | MP3A | X | .077 | 6 |
| 8 | MP3A | Z | .045 | 6 |
| 9 | MP3A | Mx | -6.8e-5 | 6 |
| 10 | MP3A | X | .077 | 66 |
| 11 | MP3A | Z | .045 | 66 |
| 12 | MP3A | Mx | -6.8e-5 | 66 |
| 13 | MP1A | X | .025 | 24 |
| 14 | MP1A | Z | .014 | 24 |
| 15 | MP1A | Mx | -1.3e-5 | 24 |
| 16 | MP1A | X | .025 | 48 |
| 17 | MP1A | Z | .014 | 48 |
| 18 | MP1A | Mx | -1.3e-5 | 48 |
| 19 | MP3A | X | .027 | 42 |
| 20 | MP3A | Z | .016 | 42 |
| 21 | MP3A | Mx | 1.4e-5 | 42 |
| 22 | MP4A | X | .024 | 42 |
| 23 | MP4A | Z | .014 | 42 |
| 24 | MP4A | Mx | 1.2e-5 | 42 |
| 25 | OVP | X | .078 | 24 |
| 26 | OVP | Z | .045 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | .067 | 6 |
| 29 | MP5A | Z | .039 | 6 |
| 30 | MP5A | Mx | -3.4e-5 | 6 |
| 31 | MP5A | X | .067 | 66 |
| 32 | MP5A | Z | .039 | 66 |
| 33 | MP5A | Mx | -3.4e-5 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | .052 | 6 |
| 2 | MP3A | Z | .089 | 6 |
| 3 | MP3A | Mx | 3.3e-5 | 6 |
| 4 | MP3A | X | .052 | 66 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 5 | MP3A | Z | .089 | 66 |
| 6 | MP3A | Mx | 3.3e-5 | 66 |
| 7 | MP3A | X | .052 | 6 |
| 8 | MP3A | Z | .089 | 6 |
| 9 | MP3A | Mx | -8.5e-5 | 6 |
| 10 | MP3A | X | .052 | 66 |
| 11 | MP3A | Z | .089 | 66 |
| 12 | MP3A | Mx | -8.5e-5 | 66 |
| 13 | MP1A | X | .022 | 24 |
| 14 | MP1A | Z | .039 | 24 |
| 15 | MP1A | Mx | -1.1e-5 | 24 |
| 16 | MP1A | X | .022 | 48 |
| 17 | MP1A | Z | .039 | 48 |
| 18 | MP1A | Mx | -1.1e-5 | 48 |
| 19 | MP3A | X Z | .019 | 42 |
| 20 | MP3A | | .033 | 42 |
| 21 | MP3A | Mx | 9e-6 | 42 |
| 22 | MP4A | X | .019 | 42 |
| 23 | MP4A | Z | .032 | 42 |
| 24 | MP4A | Mx | 9e-6 | 42 |
| 25 | OVP | X | .041 | 24 |
| 26 | OVP | Z | .071 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | .047 | 6 |
| 29 | MP5A | Z | .082 | 6 |
| 30 | MP5A | Mx | -2.4e-5 | 6 |
| 31 | MP5A | X | .047 | 66 |
| 32 | MP5A | Z | .082 | 66 |
| 33 | MP5A | Mx | -2.4e-5 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 0 | 6 |
| 2 | MP3A | Z | .11 | 6 |
| 3 | MP3A | Mx | 7.3e-5 | 6 |
| 4 | MP3A | X | 0 | 66 |
| 5 | MP3A | Z | .11 | 66 |
| 6 | MP3A | Mx | 7.3e-5 | 66 |
| 7 | MP3A | X | 0 | 6 |
| 8 | MP3A | Z | .11 | 6 |
| 9 | MP3A | Mx | -7.3e-5 | 6 |
| 10 | MP3A | X | 0 | 66 |
| 11 | MP3A | Z | .11 | 66 |
| 12 | MP3A | Mx | -7.3e-5 | 66 |
| 13 | MP1A | X | 0 | 24 |
| 14 | MP1A | Z | .053 | 24 |
| 15 | MP1A | Mx | 0 | 24 |
| 16 | MP1A | X | 0 | 48 |
| 17 | MP1A | Z | .053 | 48 |
| 18 | MP1A | Mx | 0 | 48 |
| 19 | MP3A | X | 0 | 42 |
| 20 | MP3A | Z | .042 | 42 |
| 21 | MP3A | Mx | 0 | 42 |
| 22 | MP4A | X | 0 | 42 |
| 23 | MP4A | Z | .042 | 42 |
| 24 | MP4A | Mx | 0 | 42 |

Company : Maser Consulting

Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 25 | OVP | X | 0 | 24 |
| 26 | OVP | Z | .072 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 0 | 6 |
| 29 | MP5A | Z | .103 | 6 |
| 30 | MP5A | Mx | 0 | 6 |
| 31 | MP5A | X | 0 | 66 |
| 32 | MP5A | Z | .103 | 66 |
| 33 | MP5A | Mx | 0 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 052 | 6 |
| 2 | MP3A | Z | .089 | 6 |
| 3 | MP3A | Mx | 8.5e-5 | 6 |
| 4 | MP3A | X | 052 | 66 |
| 5 | MP3A | Z | .089 | 66 |
| 6 | MP3A | Mx | 8.5e-5 | 66 |
| 7 | MP3A | X | 052 | 6 |
| 8 | MP3A | Z | .089 | 6 |
| 9 | MP3A | Mx | -3.3e-5 | 6 |
| 10 | MP3A | X | 052 | 66 |
| 11 | MP3A | Z | .089 | 66 |
| 12 | MP3A | Mx | -3.3e-5 | 66 |
| 13 | MP1A | X | 022 | 24 |
| 14 | MP1A | Z | .039 | 24 |
| 15 | MP1A | Mx | 1.1e-5 | 24 |
| 16 | MP1A | X | 022 | 48 |
| 17 | MP1A | Z | .039 | 48 |
| 18 | MP1A | Mx | 1.1e-5 | 48 |
| 19 | MP3A | X | 019 | 42 |
| 20 | MP3A | Z | .033 | 42 |
| 21 | MP3A | Mx | -9e-6 | 42 |
| 22 | MP4A | X | 019 | 42 |
| 23 | MP4A | Z | .032 | 42 |
| 24 | MP4A | Mx | -9e-6 | 42 |
| 25 | OVP | X | 035 | 24 |
| 26 | OVP | Z | .061 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 047 | 6 |
| 29 | MP5A | Z | .082 | 6 |
| 30 | MP5A | Mx | 2.4e-5 | 6 |
| 31 | MP5A | X | 047 | 66 |
| 32 | MP5A | Z | .082 | 66 |
| 33 | MP5A | Mx | 2.4e-5 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 077 | 6 |
| 2 | MP3A | Z | .045 | 6 |
| 3 | MP3A | Mx | 6.8e-5 | 6 |
| 4 | MP3A | X | 077 | 66 |
| 5 | MP3A | Z | .045 | 66 |
| 6 | MP3A | Mx | 6.8e-5 | 66 |
| 7 | MP3A | X | 077 | 6 |
| 8 | MP3A | Z | .045 | 6 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 9 | MP3A | Mx | 8e-6 | 6 |
| 10 | MP3A | X | 077 | 66 |
| 11 | MP3A | Z | .045 | 66 |
| 12 | MP3A | Mx | 8e-6 | 66 |
| 13 | MP1A | X | 025 | 24 |
| 14 | MP1A | Z | .014 | 24 |
| 15 | MP1A | Mx | 1.3e-5 | 24 |
| 16 | MP1A | X | 025 | 48 |
| 17 | MP1A | Z | .014 | 48 |
| 18 | MP1A | Mx | 1.3e-5 | 48 |
| 19 | MP3A | X | 027 | 42 |
| 20 | MP3A | Z | .016 | 42 |
| 21 | MP3A | Mx | -1.4e-5 | 42 |
| 22 | MP4A | X | 024 | 42 |
| 23 | MP4A | Z | .014 | 42 |
| 24 | MP4A | Mx | -1.2e-5 | 42 |
| 25 | OVP | X | 068 | 24 |
| 26 | OVP | Z | .039 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 067 | 6 |
| 29 | MP5A | Z | .039 | 6 |
| 30 | MP5A | Mx | 3.4e-5 | 6 |
| 31 | MP5A | X | 067 | 66 |
| 32 | MP5A | Z | .039 | 66 |
| 33 | MP5A | Mx | 3.4e-5 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 082 | 6 |
| 2 | MP3A | Z | 0 | 6 |
| 3 | MP3A | Mx | 4.1e-5 | 6 |
| 4 | MP3A | X | 082 | 66 |
| 5 | MP3A | Z | 0 | 66 |
| 6 | MP3A | Mx | 4.1e-5 | 66 |
| 7 | MP3A | X | 082 | 6 |
| 8 | MP3A | Z | 0 | 6 |
| 9 | MP3A | Mx | 4.1e-5 | 6 |
| 10 | MP3A | X | 082 | 66 |
| 11 | MP3A | Z | 0 | 66 |
| 12 | MP3A | Mx | 4.1e-5 | 66 |
| 13 | MP1A | X | 021 | 24 |
| 14 | MP1A | Z | 0 | 24 |
| 15 | MP1A | Mx | 1e-5 | 24 |
| 16 | MP1A | X | 021 | 48 |
| 17 | MP1A | Z | 0 | 48 |
| 18 | MP1A | Mx | 1e-5 | 48 |
| 19 | MP3A | X | 028 | 42 |
| 20 | MP3A | Z | 0 | 42 |
| 21 | MP3A | Mx | -1.4e-5 | 42 |
| 22 | MP4A | X | 023 | 42 |
| 23 | MP4A | Z | 0 | 42 |
| 24 | MP4A | Mx | -1.2e-5 | 42 |
| 25 | OVP | X | 088 | 24 |
| 26 | OVP | Z | 0 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 069 | 6 |

Company : Maser Consulting

Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 29 | MP5A | Z | 0 | 6 |
| 30 | MP5A | Mx | 3.5e-5 | 6 |
| 31 | MP5A | X | 069 | 66 |
| 32 | MP5A | Z | 0 | 66 |
| 33 | MP5A | Mx | 3.5e-5 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 077 | 6 |
| 2 | MP3A | Z | 045 | 6 |
| 3 | MP3A | Mx | 8e-6 | 6 |
| 4 | MP3A | X | 077 | 66 |
| 5 | MP3A | Z | 045 | 66 |
| 6 | MP3A | Mx | 8e-6 | 66 |
| 7 | MP3A | X | 077 | 6 |
| 8 | MP3A | Z | 045 | 6 |
| 9 | MP3A | Mx | 6.8e-5 | 6 |
| 10 | MP3A | X | 077 | 66 |
| 11 | MP3A | Z | 045 | 66 |
| 12 | MP3A | Mx | 6.8e-5 | 66 |
| 13 | MP1A | X | 025 | 24 |
| 14 | MP1A | Z | 014 | 24 |
| 15 | MP1A | Mx | 1.3e-5 | 24 |
| 16 | MP1A | X | 025 | 48 |
| 17 | MP1A | Z | 014 | 48 |
| 18 | MP1A | Mx | 1.3e-5 | 48 |
| 19 | MP3A | X | 027 | 42 |
| 20 | MP3A | Z | 016 | 42 |
| 21 | MP3A | Mx | -1.4e-5 | 42 |
| 22 | MP4A | X | 024 | 42 |
| 23 | MP4A | Z | 014 | 42 |
| 24 | MP4A | Mx | -1.2e-5 | 42 |
| 25 | OVP | X | 078 | 24 |
| 26 | OVP | Z | 045 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 067 | 6 |
| 29 | MP5A | Z | 039 | 6 |
| 30 | MP5A | Mx | 3.4e-5 | 6 |
| 31 | MP5A | X | 067 | 66 |
| 32 | MP5A | Z | 039 | 66 |
| 33 | MP5A | Mx | 3.4e-5 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 052 | 6 |
| 2 | MP3A | Z | 089 | 6 |
| 3 | MP3A | Mx | -3.3e-5 | 6 |
| 4 | MP3A | X | 052 | 66 |
| 5 | MP3A | Z | 089 | 66 |
| 6 | MP3A | Mx | -3.3e-5 | 66 |
| 7 | MP3A | X | 052 | 6 |
| 8 | MP3A | Z | 089 | 6 |
| 9 | MP3A | Mx | 8.5e-5 | 6 |
| 10 | MP3A | X | 052 | 66 |
| 11 | MP3A | Z | 089 | 66 |
| 12 | MP3A | Mx | 8.5e-5 | 66 |

Company : Maser Consulting

Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

| <u>Member Point Loads</u> | <u>(BLC 38 : Antenna Wm </u> | <u>(330 Deg)) (Continued)</u> | |
|---------------------------|------------------------------|-------------------------------|--|
| | | | |

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 13 | MP1A | X | 022 | 24 |
| 14 | MP1A | Z | 039 | 24 |
| 15 | MP1A | Mx | 1.1e-5 | 24 |
| 16 | MP1A | X | 022 | 48 |
| 17 | MP1A | Z | 039 | 48 |
| 18 | MP1A | Mx | 1.1e-5 | 48 |
| 19 | MP3A | X | 019 | 42 |
| 20 | MP3A | X Z | 033 | 42 |
| 21 | MP3A | Mx | -9e-6 | 42 |
| 22 | MP4A | X | 019 | 42 |
| 23 | MP4A | Z | 032 | 42 |
| 24 | MP4A | Mx | -9e-6 | 42 |
| 25 | OVP | X | 041 | 24 |
| 26 | OVP | Z | 071 | 24 |
| 27 | OVP | Mx | 0 | 24 |
| 28 | MP5A | X | 047 | 6 |
| 29 | MP5A | Z | 082 | 6 |
| 30 | MP5A | Mx | 2.4e-5 | 6 |
| 31 | MP5A | X | 047 | 66 |
| 32 | MP5A | Z | 082 | 66 |
| 33 | MP5A | Mx | 2.4e-5 | 66 |

Member Point Loads (BLC 77 : Lm1)

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | M10 | Υ | -500 | %97 |

Member Point Loads (BLC 78 : Lm2)

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | M10 | Υ | -500 | %62 |

Member Point Loads (BLC 79 : Lv1)

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | M10 | Υ | -250 | 0 |

Member Point Loads (BLC 80 : Lv2)

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | M10 | Υ | -250 | %50 |

Member Point Loads (BLC 81 : Antenna Ev)

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | Υ | -1.025 | 6 |
| 2 | MP3A | My | 000513 | 6 |
| 3 | MP3A | Mz | .000684 | 6 |
| 4 | MP3A | Υ | -1.025 | 66 |
| 5 | MP3A | My | 000513 | 66 |
| 6 | MP3A | Mz | .000684 | 66 |
| 7 | MP3A | Υ | -1.025 | 6 |
| 8 | MP3A | My | 000513 | 6 |
| 9 | MP3A | Mz | 000684 | 6 |
| 10 | MP3A | Υ | -1.025 | 66 |
| 11 | MP3A | My | 000513 | 66 |
| 12 | MP3A | Mz | 000684 | 66 |
| 13 | MP1A | Υ | -1.942 | 24 |
| 14 | MP1A | My | 000971 | 24 |

: Maser Consulting Jan 11, 2022 Company Designer : NL 1:33 PM

Job Number : 21777866A Checked By: DH Model Name : Mount Analysis

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 15 | MP1A | Mz | 0 | 24 |
| 16 | MP1A | Υ | -1.942 | 48 |
| 17 | MP1A | My | 000971 | 48 |
| 18 | MP1A | Mz | 0 | 48 |
| 19 | MP3A | Υ | -3.763 | 42 |
| 20 | MP3A | My | .002 | 42 |
| 21 | MP3A | Mz | 0 | 42 |
| 22 | MP4A | Υ | -3.134 | 42 |
| 23 | MP4A | My | .002 | 42 |
| 24 | MP4A | Mz | 0 | 42 |
| 25 | OVP | Υ | -1.427 | 24 |
| 26 | OVP | My | 0 | 24 |
| 27 | OVP | Mz | 0 | 24 |
| 28 | MP5A | Υ | -1.023 | 6 |
| 29 | MP5A | My | 000512 | 6 |
| 30 | MP5A | Mz | 0 | 6 |
| 31 | MP5A | Υ | -1.023 | 66 |
| 32 | MP5A | My | 000512 | 66 |
| 33 | MP5A | Mz | 0 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 1 | MP3A | Z | -2.564 | 6 |
| 2 | MP3A | Mx | 002 | 6 |
| 3 | MP3A | Z | -2.564 | 66 |
| 4 | MP3A | Mx | 002 | 66 |
| 5 | MP3A | Z | -2.564 | 6 |
| 6 | MP3A | Mx | .002 | 6 |
| 7 | MP3A | Z | -2.564 | 66 |
| 8 | MP3A | Mx | .002 | 66 |
| 9 | MP1A | Z | -4.854 | 24 |
| 10 | MP1A | Mx | 0 | 24 |
| 11 | MP1A | Z | -4.854 | 48 |
| 12 | MP1A | Mx | 0 | 48 |
| 13 | MP3A | Z | -9.408 | 42 |
| 14 | MP3A | Mx | 0 | 42 |
| 15 | MP4A | Z | -7.836 | 42 |
| 16 | MP4A | Mx | 0 | 42 |
| 17 | OVP | Z | -3.567 | 24 |
| 18 | OVP | Mx | 0 | 24 |
| 19 | MP5A | Z | -2.558 | 6 |
| 20 | MP5A | Mx | 0 | 6 |
| 21 | MP5A | Z | -2.558 | 66 |
| 22 | MP5A | Mx | 0 | 66 |

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|---|--------------|-----------|--------------------|----------------|
| 1 | MP3A | X | 2.564 | 6 |
| 2 | MP3A | Mx | 001 | 6 |
| 3 | MP3A | X | 2.564 | 66 |
| 4 | MP3A | Mx | 001 | 66 |
| 5 | MP3A | X | 2.564 | 6 |
| 6 | MP3A | Mx | 001 | 6 |
| 7 | MP3A | X | 2.564 | 66 |
| 8 | MP3A | Mx | 001 | 66 |
| 9 | MP1A | X | 4.854 | 24 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Magnitude[lb,k-ft] | Location[in,%] |
|----|--------------|-----------|--------------------|----------------|
| 10 | MP1A | Mx | 002 | 24 |
| 11 | MP1A | X | 4.854 | 48 |
| 12 | MP1A | Mx | 002 | 48 |
| 13 | MP3A | X | 9.408 | 42 |
| 14 | MP3A | Mx | .005 | 42 |
| 15 | MP4A | X | 7.836 | 42 |
| 16 | MP4A | Mx | .004 | 42 |
| 17 | OVP | X | 3.567 | 24 |
| 18 | OVP | Mx | 0 | 24 |
| 19 | MP5A | X | 2.558 | 6 |
| 20 | MP5A | Mx | 001 | 6 |
| 21 | MP5A | X | 2.558 | 66 |
| 22 | MP5A | Mx | 001 | 66 |

Member Distributed Loads (BLC 40 : Structure Di)

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|----------------------|--------------------|
| 1 | M1 | Υ | -8.885 | -8.885 | 0 | %100 |
| 2 | M3 | Υ | -8.885 | -8.885 | 0 | %100 |
| 3 | M5 | Υ | -6.042 | -6.042 | 0 | %100 |
| 4 | M6 | Υ | -6.042 | -6.042 | 0 | %100 |
| 5 | M7 | Υ | -5.828 | -5.828 | 0 | %100 |
| 6 | M8 | Υ | -6.042 | -6.042 | 0 | %100 |
| 7 | M9 | Υ | -6.042 | -6.042 | 0 | %100 |
| 8 | M10 | Υ | -5.828 | -5.828 | 0 | %100 |
| 9 | OVP | Υ | -5.109 | -5.109 | 0 | %100 |
| 10 | M12 | Υ | -5.109 | -5.109 | 0 | %100 |
| 11 | M13 | Υ | -5.109 | -5.109 | 0 | %100 |
| 12 | M14 | Υ | -5.109 | -5.109 | 0 | %100 |
| 13 | M15 | Υ | -6.042 | -6.042 | 0 | %100 |
| 14 | M16 | Υ | -3.491 | -3.491 | 0 | %100 |
| 15 | M17 | Υ | -6.042 | -6.042 | 0 | %100 |
| 16 | M18 | Υ | -3.491 | -3.491 | 0 | %100 |
| 17 | M19 | Υ | -6.042 | -6.042 | 0 | %100 |
| 18 | M20 | Υ | -6.042 | -6.042 | 0 | %100 |
| 19 | M21 | Υ | -6.042 | -6.042 | 0 | %100 |
| 20 | M22 | Υ | -3.491 | -3.491 | 0 | %100 |
| 21 | M23 | Υ | -3.491 | -3.491 | 0 | %100 |
| 22 | M24 | Υ | -5.109 | -5.109 | 0 | %100 |
| 23 | M25 | Υ | -6.042 | -6.042 | 0 | %100 |
| 24 | M26 | Υ | -6.042 | -6.042 | 0 | %100 |
| 25 | M27 | Υ | -3.491 | -3.491 | 0 | %100 |
| 26 | M28 | Υ | -6.042 | -6.042 | 0 | %100 |
| 27 | M29 | Υ | -3.491 | -3.491 | 0 | %100 |
| 28 | M30 | Υ | -6.042 | -6.042 | 0 | %100 |
| 29 | M31 | Υ | -6.042 | -6.042 | 0 | %100 |
| 30 | M32 | Υ | -6.042 | -6.042 | 0 | %100 |
| 31 | M33 | Υ | -3.491 | -3.491 | 0 | %100 |
| 32 | M34 | Υ | -3.491 | -3.491 | 0 | %100 |
| 33 | M35 | Υ | -5.109 | -5.109 | 0 | %100 |
| 34 | M36 | Υ | -6.042 | -6.042 | 0 | %100 |
| 35 | MP6A | Υ | -5.109 | -5.109 | 0 | %100 |
| 36 | MP5A | Υ | -5.109 | -5.109 | 0 | %100 |
| 37 | MP3A | Y | -5.828 | -5.828 | 0 | %100 |
| 38 | MP1A | Υ | -5.109 | -5.109 | 0 | %100 |
| 39 | MP4A | Υ | -5.109 | -5.109 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|---|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| | 40 | MP2A | Υ | -5.109 | -5.109 | 0 | %100 |
| ĺ | 41 | M55 | Υ | -6.727 | -6.727 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | Start Location[in,%] | |
|----|--------------|-----------|------------------------|-----------------------|----------------------|------|
| 1 | M1 | X | 0 | 0 | 0 | %100 |
| 2 | M1 | Z | -11.096 | -11.096 | 0 | %100 |
| 3 | M3 | X | 0 | 0 | 0 | %100 |
| 4 | M3 | Z | -11.096 | -11.096 | 0 | %100 |
| 5 | M5 | X | 0 | 0 | 0 | %100 |
| 6 | M5 | Z | 68 | 68 | 0 | %100 |
| 7 | M6 | X | 0 | 0 | 0 | %100 |
| 8 | M6 | Z | 68 | 68 | 0 | %100 |
| 9 | M7 | X | 0 | 0 | 0 | %100 |
| 10 | M7 | Z | -10.633 | -10.633 | 0 | %100 |
| 11 | M8 | X | 0 | 0 | 0 | %100 |
| 12 | M8 | Z | 68 | 68 | 0 | %100 |
| 13 | M9 | X | 0 | 0 | 0 | %100 |
| 14 | M9 | Z | 68 | 68 | 0 | %100 |
| 15 | M10 | X | 0 | 0 | 0 | %100 |
| 16 | M10 | Z | -10.633 | -10.633 | 0 | %100 |
| 17 | OVP | X | 0 | 0 | 0 | %100 |
| 18 | OVP | Z | -4.308 | -4.308 | 0 | %100 |
| 19 | M12 | X | 0 | 0 | 0 | %100 |
| 20 | M12 | Z | -4.308 | -4.308 | 0 | %100 |
| 21 | M13 | X | 0 | 0 | 0 | %100 |
| 22 | M13 | Z | -4.308 | -4.308 | 0 | %100 |
| 23 | M14 | X | 0 | 0 | 0 | %100 |
| 24 | M14 | Z | -4.308 | -4.308 | 0 | %100 |
| 25 | M15 | X | 0 | 0 | 0 | %100 |
| 26 | M15 | Z | -1.464 | -1.464 | 0 | %100 |
| 27 | M16 | X | 0 | 0 | 0 | %100 |
| 28 | M16 | Z | -3.838 | -3.838 | 0 | %100 |
| 29 | M17 | X | 0 | 0 | 0 | %100 |
| 30 | M17 | Z | -1.464 | -1.464 | 0 | %100 |
| 31 | <u>M18</u> | X | 0 | 0 | 0 | %100 |
| 32 | M18 | Z | -3.838 | -3.838 | 0 | %100 |
| 33 | M19 | X | 0 | 0 | 0 | %100 |
| 34 | M19 | Z | -1.759 | -1.759 | 0 | %100 |
| 35 | M20 | X | 0 | 0 | 0 | %100 |
| 36 | M20 | Z | -1.464 | -1.464 | 0 | %100 |
| 37 | M21 | X | 0 | 0 | 0 | %100 |
| 38 | M21 | Z | -1.464 | -1.464 | 0 | %100 |
| 39 | M22 | X | 0 | 0 | 0 | %100 |
| 40 | M22 | Z | -4.623 | -4.623 | 0 | %100 |
| 41 | M23 | X | 0 | 0 | 0 | %100 |
| 42 | M23 | Z | -4.623 | -4.623 | 0 | %100 |
| 43 | M24 | X | 0 | 0 | 0 | %100 |
| 44 | M24 | Z | -6.978 | -6.978 | 0 | %100 |
| 45 | M25 | X | 0 | 0 | 0 | %100 |
| 46 | M25 | Z | -1.759 | -1.759 | 0 | %100 |
| 47 | M26 | X | 0 | 0 | 0 | %100 |
| 48 | M26 | Z | -1.464 | -1.464 | 0 | %100 |
| 49 | M27 | X | 0 | 0 | 0 | %100 |
| 50 | M27 | Z | -3.838 | -3.838 | 0 | %100 |
| 51 | M28 | X | 0 | 0 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-------------------------|-----------------------|--------------------|
| 52 | M28 | Z | -1.464 | -1.464 | 0 | %100 |
| 53 | M29 | X | 0 | 0 | 0 | %100 |
| 54 | M29 | Z | -3.838 | -3.838 | 0 | %100 |
| 55 | M30 | X | 0 | 0 | 0 | %100 |
| 56 | M30 | Z | -1.759 | -1.759 | 0 | %100 |
| 57 | M31 | X | 0 | 0 | 0 | %100 |
| 58 | M31 | Z | -1.464 | -1.464 | 0 | %100 |
| 59 | M32 | X | 0 | 0 | 0 | %100 |
| 60 | M32 | Z | -1.464 | -1.464 | 0 | %100 |
| 61 | M33 | X | 0 | 0 | 0 | %100 |
| 62 | M33 | Z | -4.623 | -4.623 | 0 | %100 |
| 63 | M34 | X | 0 | 0 | 0 | %100 |
| 64 | M34 | Z | -4.623 | -4.623 | 0 | %100 |
| 65 | M35 | X | 0 | 0 | 0 | %100 |
| 66 | M35 | Z | -6.978 | -6.978 | 0 | %100 |
| 67 | M36 | X | 0 | 0 | 0 | %100 |
| 68 | M36 | Z | -1.759 | -1.759 | 0 | %100 |
| 69 | MP6A | X | 0 | 0 | 0 | %100 |
| 70 | MP6A | Z | -8.784 | -8.784 | 0 | %100 |
| 71 | MP5A | X | 0 | 0 | 0 | %100 |
| 72 | MP5A | Z | -8.784 | -8.784 | 0 | %100 |
| 73 | MP3A | X | 0 | 0 | 0 | %100 |
| 74 | MP3A | Z | -10.633 | -10.633 | 0 | %100 |
| 75 | MP1A | X | 0 | 0 | 0 | %100 |
| 76 | MP1A | Z | -8.784 | -8.784 | 0 | %100 |
| 77 | MP4A | X | 0 | 0 | 0 | %100 |
| 78 | MP4A | Z | -8.784 | -8.784 | 0 | %100 |
| 79 | MP2A | X | 0 | 0 | 0 | %100 |
| 80 | MP2A | Z | -8.784 | -8.784 | 0 | %100 |
| 81 | M55 | Χ | 0 | 0 | 0 | %100 |
| 82 | M55 | Z | -2.469 | -2.469 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 1 | M1 | X | 4.161 | 4.161 | 0 | %100 |
| 2 | M1 | Z | -7.207 | -7.207 | 0 | %100 |
| 3 | M3 | X | 4.161 | 4.161 | 0 | %100 |
| 4 | M3 | Z | -7.207 | -7.207 | 0 | %100 |
| 5 | M5 | X | .043 | .043 | 0 | %100 |
| 6 | M5 | Z | 075 | 075 | 0 | %100 |
| 7 | M6 | X | .644 | .644 | 0 | %100 |
| 8 | M6 | Z | -1.115 | -1.115 | 0 | %100 |
| 9 | M7 | X | 3.988 | 3.988 | 0 | %100 |
| 10 | M7 | Z | -6.907 | -6.907 | 0 | %100 |
| 11 | M8 | X | .043 | .043 | 0 | %100 |
| 12 | M8 | Z | 075 | 075 | 0 | %100 |
| 13 | M9 | X | .644 | .644 | 0 | %100 |
| 14 | M9 | Z | -1.115 | -1.115 | 0 | %100 |
| 15 | M10 | X | 3.988 | 3.988 | 0 | %100 |
| 16 | M10 | Z | -6.907 | -6.907 | 0 | %100 |
| 17 | OVP | X | .274 | .274 | 0 | %100 |
| 18 | OVP | Z | 474 | 474 | 0 | %100 |
| 19 | M12 | X | 4.077 | 4.077 | 0 | %100 |
| 20 | M12 | Z | -7.061 | -7.061 | 0 | %100 |
| 21 | M13 | X | .274 | .274 | 0 | %100 |
| 22 | M13 | Z | 474 | 474 | 0 | %100 |

Company Designer Job Number : NL : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | |
|----------|--------------|-----------|------------------------|-------------------------|-----------------------|--------------|
| 23 | M14 | X | 4.077 | 4.077 | 0 | %100 |
| 24 | M14 | Z | -7.061 | -7.061 | 0 | %100 |
| 25 | M15 | X | 1.936 | 1.936 | 0 | %100 |
| 26 | M15 | Z | -3.353 | -3.353 | 0 | %100 |
| 27 | M16 | X | 2.256 | 2.256 | 0 | %100 |
| 28 | M16 | Z | -3.908 | -3.908 | 0 | %100 |
| 29 | M17 | X | 1.936 | 1.936 | 0 | %100 |
| 30 | M17 | Z | -3.353 | -3.353 | 0 | %100 |
| 31 | M18 | X | 2.256 | 2.256 | 0 | %100 |
| 32 | M18 | Z | -3.908 | -3.908 | 0 | %100 |
| 33 | M19 | X | 2.047 | 2.047 | 0 | %100 |
| 34 | M19 | Z | -3.545 | -3.545 | 0 | %100 |
| 35 | M20 | X | 1.936 | 1.936 | 0 | %100 |
| 36 | M20 | Z | -3.353 | -3.353 | 0 | %100 |
| 37 | M21 | X | 1.936 | 1.936 | 0 | %100 |
| 38 | M21 | Z | -3.353 | -3.353 | 0 | %100 |
| 39 | M22 | X | 2.312 | 2.312 | 0 | %100 |
| 40 | M22 | Z | -4.004 | -4.004 | 0 | %100 |
| 41 | M23 | X | 2.312 | 2.312 | 0 | %100 |
| 42 | M23 | Z | -4.004 | -4.004 | Ö | %100 |
| 43 | M24 | X | 3.489 | 3.489 | 0 | %100 |
| 44 | M24 | Z | -6.043 | -6.043 | 0 | %100 %100 |
| 45 | M25 | X | 2.047 | 2.047 | 0 | %100 %100 |
| 46 | M25 | Z | -3.545 | -3.545 | Ö | %100 %100 |
| 47 | M26 | X | 1.936 | 1.936 | 0 | %100 %100 |
| 48 | M26 | Z | -3.353 | -3.353 | 0 | %100 %100 |
| 49 | M27 | X | 1.589 | 1.589 | 0 | %100 %100 |
| 50 | M27 | Ž | -2.752 | -2.752 | 0 | %100 %100 |
| 51 | M28 | X | 1.936 | 1.936 | 0 | %100 %100 |
| 52 | M28 | Z | -3.353 | -3.353 | 0 | %100 %100 |
| 53 | M29 | X | | | 0 | %100 %100 |
| 54 | M29 | Z | 1.589 -2.752 | 1.589 -2.752 | 0 | %100 %100 |
| 55 | M30 | X | 2.047 | 2.047 | 0 | %100 %100 |
| 56 | M30 | Z | -3.545 | -3.545 | 0 | %100 %100 |
| 57 | M31 | X | 1.936 | 1.936 | 0 | %100 %100 |
| 58 | M31 | Z | | -3.353 | 0 | %100 %100 |
| | | | -3.353 | | | |
| 59 | M32 | X Z | 1.936 | 1.936 | 0 | %100 |
| 60 | M32 | | -3.353 | -3.353 | 0 | %100 |
| 61 | M33 | X Z | 2.312 | 2.312 | 0 | %100 |
| 62 | M33 M34 | | -4.004 2.312 | -4.004 2.312 | 0 | %100 %100 |
| 63 | | Z | | | 0 | %100 |
| 64 65 | M34 | | -4.004 | -4.004 | 0 | %100 %100 |
| | M35 | X Z | 3.489 | 3.489 | 0 | %100 |
| 66 | M35 | | -6.043 | -6.043 | 0 | %100 |
| 67 | M36 | X | 2.047 | 2.047 | 0 | %100 |
| 68 | M36 | Z | -3.545 | -3.545 | 0 | %100 |
| 69 | MP6A | X | 4.392 | 4.392 | 0 | %100 |
| 70 | MP6A | Z | -7.607 | -7.607 | 0 | %100 |
| 71 | MP5A | X Z | 4.392 | 4.392 | 0 | %100 |
| 72 | MP5A | Z | -7.607 | -7.607 | 0 | %100 |
| 73 | MP3A | X | 5.317 | 5.317 | 0 | %100 |
| 74 | MP3A | Z | -9.209 | -9.209 | 0 | %100 |
| 75 | MP1A | X | 4.392 | 4.392 | 0 | %100 |
| 76 | MP1A | Z | -7.607 | -7.607 | 0 | %100 |
| 77 | MP4A | X | 4.392 | 4.392 | 0 | %100 |
| 78 | MP4A | Z | -7.607 | -7.607 | 0 | %100 |
| 79 | MP2A | X | 4.392 | 4.392 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 80 | MP2A | Z | -7.607 | -7.607 | 0 | %100 |
| 81 | M55 | X | 4.257 | 4.257 | 0 | %100 |
| 82 | M55 | Z | -7.373 | -7.373 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | Start Location[in,%] | |
|----|--------------|-----------|------------------------|-------------------------|----------------------|------|
| 1 | M1 | X | 2.402 | 2.402 | 0 | %100 |
| 2 | M1 | Z | -1.387 | -1.387 | 0 | %100 |
| 3 | M3 | X | 2.402 | 2.402 | 0 | %100 |
| 4 | M3 | Z | -1.387 | -1.387 | 0 | %100 |
| 5 | M5 | X | .086 | .086 | 0 | %100 |
| 6 | M5 | Z | 05 | 05 | 0 | %100 |
| 7 | M6 | X | 1.126 | 1.126 | 0 | %100 |
| 8 | M6 | Z | 65 | 65 | 0 | %100 |
| 9 | M7 | X | 2.302 | 2.302 | 0 | %100 |
| 10 | M7 | Z | -1.329 | -1.329 | 0 | %100 |
| 11 | M8 | X | .086 | .086 | 0 | %100 |
| 12 | M8 | Z | 05 | 05 | 0 | %100 |
| 13 | M9 | X | 1.126 | 1.126 | 0 | %100 |
| 14 | M9 | Z | 65 | 65 | 0 | %100 |
| 15 | M10 | X | 2.302 | 2.302 | 0 | %100 |
| 16 | M10 | Z | -1.329 | -1.329 | 0 | %100 |
| 17 | OVP | X | .546 | .546 | 0 | %100 |
| 18 | OVP | Z | 315 | 315 | 0 | %100 |
| 19 | M12 | X | 7.133 | 7.133 | 0 | %100 |
| 20 | M12 | Z | -4.118 | -4.118 | 0 | %100 |
| 21 | M13 | X | .546 | .546 | 0 | %100 |
| 22 | M13 | Z | 315 | 315 | 0 | %100 |
| 23 | M14 | X | 7.133 | 7.133 | 0 | %100 |
| 24 | M14 | Z | -4.118 | -4.118 | 0 | %100 |
| 25 | M15 | X | 7.524 | 7.524 | 0 | %100 |
| 26 | M15 | Z | -4.344 | -4.344 | 0 | %100 |
| 27 | M16 | X | 3.921 | 3.921 | 0 | %100 |
| 28 | M16 | Z | -2.264 | -2.264 | 0 | %100 |
| 29 | M17 | X | 7.524 | 7.524 | 0 | %100 |
| 30 | M17 | Z | -4.344 | -4.344 | 0 | %100 |
| 31 | M18 | X | 3.921 | 3.921 | 0 | %100 |
| 32 | M18 | Z | -2.264 | -2.264 | 0 | %100 |
| 33 | M19 | X | 7.588 | 7.588 | 0 | %100 |
| 34 | M19 | Z | -4.381 | -4.381 | 0 | %100 |
| 35 | M20 | X | 7.524 | 7.524 | 0 | %100 |
| 36 | M20 | Z | -4.344 | -4.344 | 0 | %100 |
| 37 | M21 | X | 7.524 | 7.524 | 0 | %100 |
| 38 | M21 | Z | -4.344 | -4.344 | 0 | %100 |
| 39 | M22 | X | 4.004 | 4.004 | 0 | %100 |
| 40 | M22 | Z | -2.312 | -2.312 | 0 | %100 |
| 41 | M23 | X | 4.004 | 4.004 | 0 | %100 |
| 42 | M23 | Z | -2.312 | -2.312 | 0 | %100 |
| 43 | M24 | X | 6.043 | 6.043 | 0 | %100 |
| 44 | M24 | Z | -3.489 | -3.489 | 0 | %100 |
| 45 | M25 | X | 7.588 | 7.588 | 0 | %100 |
| 46 | M25 | Z | -4.381 | -4.381 | 0 | %100 |
| 47 | M26 | X | 7.524 | 7.524 | 0 | %100 |
| 48 | M26 | Z | -4.344 | -4.344 | 0 | %100 |
| 49 | M27 | X | 2.765 | 2.765 | 0 | %100 |
| 50 | M27 | Z | -1.596 | -1.596 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-------------------------|-----------------------|--------------------|
| 51 | M28 | X | 7.524 | 7.524 | 0 | %100 |
| 52 | M28 | Z | -4.344 | -4.344 | 0 | %100 |
| 53 | M29 | X | 2.765 | 2.765 | 0 | %100 |
| 54 | M29 | Z | -1.596 | -1.596 | 0 | %100 |
| 55 | M30 | X | 7.588 | 7.588 | 0 | %100 |
| 56 | M30 | Z | -4.381 | -4.381 | 0 | %100 |
| 57 | M31 | X | 7.524 | 7.524 | 0 | %100 |
| 58 | M31 | Z | -4.344 | -4.344 | 0 | %100 |
| 59 | M32 | X | 7.524 | 7.524 | 0 | %100 |
| 60 | M32 | Z | -4.344 | -4.344 | 0 | %100 |
| 61 | M33 | Χ | 4.004 | 4.004 | 0 | %100 |
| 62 | M33 | Z | -2.312 | -2.312 | 0 | %100 |
| 63 | M34 | X | 4.004 | 4.004 | 0 | %100 |
| 64 | M34 | Z | -2.312 | -2.312 | 0 | %100 |
| 65 | M35 | X | 6.043 | 6.043 | 0 | %100 |
| 66 | M35 | Z | -3.489 | -3.489 | 0 | %100 |
| 67 | M36 | X | 7.588 | 7.588 | 0 | %100 |
| 68 | M36 | Z | -4.381 | -4.381 | 0 | %100 |
| 69 | MP6A | X | 7.607 | 7.607 | 0 | %100 |
| 70 | MP6A | Z | -4.392 | -4.392 | 0 | %100 |
| 71 | MP5A | X | 7.607 | 7.607 | 0 | %100 |
| 72 | MP5A | Z | -4.392 | -4.392 | 0 | %100 |
| 73 | MP3A | X | 9.209 | 9.209 | 0 | %100 |
| 74 | MP3A | Z | -5.317 | -5.317 | 0 | %100 |
| 75 | MP1A | X | 7.607 | 7.607 | 0 | %100 |
| 76 | MP1A | Z | -4.392 | -4.392 | 0 | %100 |
| 77 | MP4A | X | 7.607 | 7.607 | 0 | %100 |
| 78 | MP4A | Z | -4.392 | -4.392 | 0 | %100 |
| 79 | MP2A | X | 7.607 | 7.607 | 0 | %100 |
| 80 | MP2A | Z | -4.392 | -4.392 | 0 | %100 |
| 81 | M55 | X | 11.065 | 11.065 | 0 | %100 |
| 82 | M55 | Z | -6.389 | -6.389 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 1 | M1 | X | 0 | 0 | 0 | %100 |
| 2 | M1 | Z | 0 | 0 | 0 | %100 |
| 3 | M3 | X | 0 | 0 | 0 | %100 |
| 4 | M3 | Z | 0 | 0 | 0 | %100 |
| 5 | M5 | X | .707 | .707 | 0 | %100 |
| 6 | M5 | Z | 0 | 0 | 0 | %100 |
| 7 | M6 | X | .707 | .707 | 0 | %100 |
| 8 | M6 | Z | 0 | 0 | 0 | %100 |
| 9 | M7 | X | 0 | 0 | 0 | %100 |
| 10 | M7 | Z | 0 | 0 | 0 | %100 |
| 11 | M8 | X | .707 | .707 | 0 | %100 |
| 12 | M8 | Z | 0 | 0 | 0 | %100 |
| 13 | M9 | X | .707 | .707 | 0 | %100 |
| 14 | M9 | Z | 0 | 0 | 0 | %100 |
| 15 | M10 | X | 0 | 0 | 0 | %100 |
| 16 | M10 | Z | 0 | 0 | 0 | %100 |
| 17 | OVP | X | 4.476 | 4.476 | 0 | %100 |
| 18 | OVP | Z | 0 | 0 | 0 | %100 |
| 19 | M12 | X | 4.476 | 4.476 | 0 | %100 |
| 20 | M12 | Z | 0 | 0 | 0 | %100 |
| 21 | M13 | X | 4.476 | 4.476 | 0 | %100 |

Company Designer Job Number : NL : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | |
|----|--------------|-----------|------------------------|-------------------------|-----------------------|--------------|
| 22 | M13 | Z | 0 | 0 | 0 | %100 |
| 23 | M14 | X | 4.476 | 4.476 | 0 | %100 |
| 24 | M14 | Z | 0 | 0 | 0 | %100 |
| 25 | M15 | X | 11.096 | 11.096 | 0 | %100 |
| 26 | M15 | Z | 0 | 0 | 0 | %100 |
| 27 | M16 | X | 3.867 | 3.867 | 0 | %100 |
| 28 | M16 | Z | 0 | 0 | 0 | %100 |
| 29 | M17 | X | 11.096 | 11.096 | 0 | %100 |
| 30 | M17 | Z | 0 | 0 | 0 | %100 %100 |
| 31 | M18 | X | 3.867 | 3.867 | 0 | %100 |
| 32 | M18 | Z | 0 | 0 | 0 | %100 %100 |
| 33 | M19 | X | 11.096 | 11.096 | 0 | %100 %100 |
| 34 | M19 | Z | 0 | 0 | 0 | %100 |
| | | | * | - | | |
| 35 | M20 | Z | 11.096 | 11.096 | 0 | %100 |
| 36 | M20 | | 0 | 0 | 0 | %100 |
| 37 | M21 | X | 11.096 | 11.096 | 0 | %100 |
| 38 | M21 | Z | 0 | 0 | 0 | %100 |
| 39 | M22 | X | 4.623 | 4.623 | 0 | %100 |
| 40 | M22 | Z | 0 | 0 | 0 | %100 |
| 41 | M23 | X | 4.623 | 4.623 | 0 | %100 |
| 42 | M23 | Z | 0 | 0 | 0 | %100 |
| 43 | M24 | X | 6.978 | 6.978 | 0 | %100 |
| 44 | M24 | Z | 0 | 0 | 0 | %100 |
| 45 | M25 | X | 11.096 | 11.096 | 0 | %100 |
| 46 | M25 | Z | 0 | 0 | 0 | %100 |
| 47 | M26 | X | 11.096 | 11.096 | 0 | %100 |
| 48 | M26 | Z | 0 | 0 | 0 | %100 |
| 49 | M27 | X | 3.867 | 3.867 | 0 | %100 |
| 50 | M27 | Z | 0 | 0 | 0 | %100 |
| 51 | M28 | X | 11.096 | 11.096 | 0 | %100 |
| 52 | M28 | Z | 0 | 0 | 0 | %100 |
| 53 | M29 | X | 3.867 | 3.867 | 0 | %100 |
| 54 | M29 | Z | 0 | 0 | 0 | %100 |
| 55 | M30 | X | 11.096 | 11.096 | 0 | %100 |
| 56 | M30 | Z | 0 | 0 | 0 | %100 |
| 57 | M31 | X | 11.096 | 11.096 | 0 | %100 %100 |
| 58 | M31 | Z | 0 | 0 | 0 | %100 %100 |
| 59 | M32 | X | 11.096 | 11.096 | 0 | %100 %100 |
| 60 | M32 | Z | 0 | 0 | 0 | %100 %100 |
| 61 | M33 | X | 4.623 | 4.623 | 0 | %100 %100 |
| 62 | M33 | Z | 0 | 0 | 0 | %100 |
| 63 | M34 | X | 4.623 | 4.623 | 0 | %100 %100 |
| 64 | M34 | Z | 4.023 | 4.023 | 0 | %100 %100 |
| 65 | M35 | X | 6.978 | 6.978 | 0 | %100 %100 |
| 66 | N35 M35 | Z | | | 0 | %100 %100 |
| | M36 | | 11,006 | 11,006 | | |
| 67 | | X | 11.096 | 11.096 | 0 | %100 %100 |
| 68 | M36 | Z | 0 704 | 0 704 | 0 | %100 %100 |
| 69 | MP6A | X | 8.784 | 8.784 | 0 | %100 |
| 70 | MP6A | Z | 0 704 | 0 704 | 0 | %100 |
| 71 | MP5A | X | 8.784 | 8.784 | 0 | %100 |
| 72 | MP5A | Z | 0 | 0 | 0 | %100 |
| 73 | MP3A | X | 10.633 | 10.633 | 0 | %100 |
| 74 | MP3A | Z | 0 | 0 | 0 | %100 |
| 75 | MP1A | X | 8.784 | 8.784 | 0 | %100 |
| 76 | MP1A | Z | 0 | 0 | 0 | %100 |
| 77 | MP4A | X | 8.784 | 8.784 | 0 | %100 |
| 78 | MP4A | Z | 0 | 0 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 79 | MP2A | X | 8.784 | 8.784 | 0 | %100 |
| 80 | MP2A | Z | 0 | 0 | 0 | %100 |
| 81 | M55 | X | 10.996 | 10.996 | 0 | %100 |
| 82 | M55 | 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,F | Start Location[in.%] | End Location[in,%] |
|----|--------------|-----------|-----------------------|-----------------------|----------------------|--------------------|
| 1 | M1 | X | 2.402 | 2.402 | 0 | %100 |
| 2 | M1 | Z | 1.387 | 1.387 | 0 | %100 |
| 3 | M3 | X | 2.402 | 2.402 | 0 | %100 |
| 4 | M3 | Z | 1.387 | 1.387 | 0 | %100 |
| 5 | M5 | X | 1.126 | 1.126 | 0 | %100 |
| 6 | M5 | Z | .65 | .65 | 0 | %100 |
| 7 | M6 | X | .086 | .086 | Ö | %100 |
| 8 | M6 | Z | .05 | .05 | 0 | %100 |
| 9 | M7 | X | 2.302 | 2.302 | 0 | %100 |
| 10 | M7 | Z | 1.329 | 1.329 | 0 | %100 |
| 11 | M8 | X | 1.126 | 1.126 | 0 | %100 |
| 12 | M8 | Z | .65 | .65 | Ō | %100 |
| 13 | M9 | X | .086 | .086 | 0 | %100 |
| 14 | M9 | Z | .05 | .05 | 0 | %100 |
| 15 | M10 | X | 2.302 | 2.302 | 0 | %100 |
| 16 | M10 | Ž | 1.329 | 1.329 | Ö | %100 |
| 17 | OVP | X | 7.133 | 7.133 | 0 | %100 |
| 18 | OVP | Z | 4.118 | 4.118 | Ů Ů | %100 |
| 19 | M12 | X | .546 | .546 | 0 | %100 |
| 20 | M12 | Z | .315 | .315 | 0 | %100 |
| 21 | M13 | X | 7.133 | 7.133 | 0 | %100 |
| 22 | M13 | Z | 4.118 | 4.118 | 0 | %100 |
| 23 | M14 | X | .546 | .546 | 0 | %100 |
| 24 | M14 | Z | .315 | .315 | 0 | %100 %100 |
| 25 | M15 | X | 7.524 | 7.524 | 0 | %100 |
| 26 | M15 | Z | 4.344 | 4.344 | 0 | %100 |
| 27 | M16 | X | 2.765 | 2.765 | 0 | %100 |
| 28 | M16 | Z | 1.596 | 1.596 | 0 | %100 |
| 29 | M17 | X | 7.524 | 7.524 | 0 | %100 |
| 30 | M17 | Z | 4.344 | 4.344 | 0 | %100 |
| 31 | M18 | X | 2.765 | 2.765 | 0 | %100 |
| 32 | M18 | Z | 1.596 | 1.596 | 0 | %100 |
| 33 | M19 | X | 7.588 | 7.588 | 0 | %100 |
| 34 | M19 | Z | 4.381 | 4.381 | 0 | %100 |
| 35 | M20 | X | 7.524 | 7.524 | 0 | %100 |
| 36 | M20 | Z | 4.344 | 4.344 | 0 | %100 |
| 37 | M21 | X | 7.524 | 7.524 | 0 | %100 |
| 38 | M21 | Z | 4.344 | 4.344 | 0 | %100 |
| 39 | M22 | X | 4.004 | 4.004 | 0 | %100 |
| 40 | M22 | Z | 2.312 | 2.312 | Ō | %100 |
| 41 | M23 | X | 4.004 | 4.004 | 0 | %100 |
| 42 | M23 | Ž | 2.312 | 2.312 | 0 | %100 |
| 43 | M24 | X | 6.043 | 6.043 | 0 | %100 |
| 44 | M24 | Z | 3.489 | 3.489 | 0 | %100 |
| 45 | M25 | X | 7.588 | 7.588 | 0 | %100 |
| 46 | M25 | Z | 4.381 | 4.381 | 0 | %100 |
| 47 | M26 | X | 7.524 | 7.524 | 0 | %100 |
| 48 | M26 | Ž | 4.344 | 4.344 | Ö | %100 |
| 49 | M27 | X | 3.921 | 3.921 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-------------------------|-----------------------|--------------------|
| 50 | M27 | Z | 2.264 | 2.264 | 0 | %100 |
| 51 | M28 | X | 7.524 | 7.524 | 0 | %100 |
| 52 | M28 | Z | 4.344 | 4.344 | 0 | %100 |
| 53 | M29 | X | 3.921 | 3.921 | 0 | %100 |
| 54 | M29 | Z | 2.264 | 2.264 | 0 | %100 |
| 55 | M30 | X | 7.588 | 7.588 | 0 | %100 |
| 56 | M30 | Z | 4.381 | 4.381 | 0 | %100 |
| 57 | M31 | X | 7.524 | 7.524 | 0 | %100 |
| 58 | M31 | Z | 4.344 | 4.344 | 0 | %100 |
| 59 | M32 | X | 7.524 | 7.524 | 0 | %100 |
| 60 | M32 | Z | 4.344 | 4.344 | 0 | %100 |
| 61 | M33 | X | 4.004 | 4.004 | 0 | %100 |
| 62 | M33 | Z | 2.312 | 2.312 | 0 | %100 |
| 63 | M34 | X | 4.004 | 4.004 | 0 | %100 |
| 64 | M34 | Z | 2.312 | 2.312 | 0 | %100 |
| 65 | M35 | X | 6.043 | 6.043 | 0 | %100 |
| 66 | M35 | Z | 3.489 | 3.489 | 0 | %100 |
| 67 | M36 | X | 7.588 | 7.588 | 0 | %100 |
| 68 | M36 | Z | 4.381 | 4.381 | 0 | %100 |
| 69 | MP6A | X | 7.607 | 7.607 | 0 | %100 |
| 70 | MP6A | Z | 4.392 | 4.392 | 0 | %100 |
| 71 | MP5A | X | 7.607 | 7.607 | 0 | %100 |
| 72 | MP5A | Z | 4.392 | 4.392 | 0 | %100 |
| 73 | MP3A | X | 9.209 | 9.209 | 0 | %100 |
| 74 | MP3A | Z | 5.317 | 5.317 | 0 | %100 |
| 75 | MP1A | X | 7.607 | 7.607 | 0 | %100 |
| 76 | MP1A | Z | 4.392 | 4.392 | 0 | %100 |
| 77 | MP4A | X | 7.607 | 7.607 | 0 | %100 |
| 78 | MP4A | Z | 4.392 | 4.392 | 0 | %100 |
| 79 | MP2A | X | 7.607 | 7.607 | 0 | %100 |
| 80 | MP2A | Z | 4.392 | 4.392 | 0 | %100 |
| 81 | M55 | Χ | 4.289 | 4.289 | 0 | %100 |
| 82 | M55 | Z | 2.476 | 2.476 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 1 | M1 | X | 4.161 | 4.161 | 0 | %100 |
| 2 | M1 | Z | 7.207 | 7.207 | 0 | %100 |
| 3 | M3 | X | 4.161 | 4.161 | 0 | %100 |
| 4 | M3 | Z | 7.207 | 7.207 | 0 | %100 |
| 5 | M5 | X | .644 | .644 | 0 | %100 |
| 6 | M5 | Z | 1.115 | 1.115 | 0 | %100 |
| 7 | M6 | X | .043 | .043 | 0 | %100 |
| 8 | M6 | Z | .075 | .075 | 0 | %100 |
| 9 | M7 | X | 3.988 | 3.988 | 0 | %100 |
| 10 | M7 | Z | 6.907 | 6.907 | 0 | %100 |
| 11 | M8 | X | .644 | .644 | 0 | %100 |
| 12 | M8 | Z | 1.115 | 1.115 | 0 | %100 |
| 13 | M9 | X | .043 | .043 | 0 | %100 |
| 14 | M9 | Z | .075 | .075 | 0 | %100 |
| 15 | M10 | X | 3.988 | 3.988 | 0 | %100 |
| 16 | M10 | Z | 6.907 | 6.907 | 0 | %100 |
| 17 | OVP | X | 4.077 | 4.077 | 0 | %100 |
| 18 | OVP | Z | 7.061 | 7.061 | 0 | %100 |
| 19 | M12 | X | .274 | .274 | 0 | %100 |
| 20 | M12 | Z | .474 | .474 | 0 | %100 |

Company Designer Job Number : NL : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | |
|----|--------------|-----------|------------------------|-------------------------|-----------------------|--------------|
| 21 | M13 | X | 4.077 | 4.077 | 0 | %100 |
| 22 | M13 | Z | 7.061 | 7.061 | 0 | %100 |
| 23 | M14 | X | .274 | .274 | 0 | %100 |
| 24 | M14 | Z | .474 | .474 | 0 | %100 |
| 25 | M15 | X | 1.936 | 1.936 | 0 | %100 |
| 26 | M15 | Z | 3.353 | 3.353 | 0 | %100 |
| 27 | M16 | X | 1.589 | 1.589 | 0 | %100 |
| 28 | M16 | Z | 2.752 | 2.752 | 0 | %100 |
| 29 | M17 | X | 1.936 | 1.936 | 0 | %100 |
| 30 | M17 | Z | 3.353 | 3.353 | 0 | %100 |
| 31 | M18 | X | 1.589 | 1.589 | 0 | %100 %100 |
| 32 | M18 | Z | 2.752 | 2.752 | Ö | %100 %100 |
| 33 | M19 | X | 2.047 | 2.047 | 0 | %100 |
| 34 | M19 | Z | 3.545 | 3.545 | 0 | %100 %100 |
| 35 | M20 | X | 1.936 | 1.936 | 0 | %100 %100 |
| 36 | M20 | Z | 3.353 | 3.353 | 0 | %100 %100 |
| 37 | M21 | X | 1.936 | 1.936 | | %100 %100 |
| | | Z | | | 0 | |
| 38 | M21 | | 3.353 | 3.353 | 0 | %100 |
| 39 | M22 | X | 2.312 | 2.312 | 0 | %100 |
| 40 | M22 | Z | 4.004 | 4.004 | 0 | %100 |
| 41 | M23 | X | 2.312 | 2.312 | 0 | %100 |
| 42 | M23 | Z | 4.004 | 4.004 | 0 | %100 |
| 43 | M24 | X | 3.489 | 3.489 | 0 | %100 |
| 44 | M24 | Z | 6.043 | 6.043 | 0 | %100 |
| 45 | M25 | X | 2.047 | 2.047 | 0 | %100 |
| 46 | M25 | Z | 3.545 | 3.545 | 0 | %100 |
| 47 | M26 | X | 1.936 | 1.936 | 0 | %100 |
| 48 | M26 | Z | 3.353 | 3.353 | 0 | %100 |
| 49 | M27 | X | 2.256 | 2.256 | 0 | %100 |
| 50 | M27 | Z | 3.908 | 3.908 | 0 | %100 |
| 51 | M28 | X | 1.936 | 1.936 | 0 | %100 |
| 52 | M28 | Z | 3.353 | 3.353 | 0 | %100 |
| 53 | M29 | X | 2.256 | 2.256 | 0 | %100 |
| 54 | M29 | Z | 3.908 | 3.908 | 0 | %100 |
| 55 | M30 | X | 2.047 | 2.047 | 0 | %100 |
| 56 | M30 | Z | 3.545 | 3.545 | 0 | %100 |
| 57 | M31 | X | 1.936 | 1.936 | 0 | %100 |
| 58 | M31 | Z | 3.353 | 3.353 | 0 | %100 %100 |
| 59 | M32 | X | 1.936 | 1.936 | 0 | %100 |
| 60 | M32 | Z | 3.353 | 3.353 | 0 | %100 %100 |
| 61 | M33 | X | 2.312 | 2.312 | 0 | %100 %100 |
| 62 | M33 | Z | 4.004 | 4.004 | 0 | %100 %100 |
| 63 | M34 | X | 2.312 | 2.312 | 0 | %100 %100 |
| 64 | M34 | Z | 4.004 | 4.004 | 0 | %100 %100 |
| 65 | M35 | X | 3.489 | 3.489 | 0 | %100 %100 |
| 66 | M35 | Z | 6.043 | 6.043 | 0 | %100 %100 |
| | | | | | | |
| 67 | M36 | X | 2.047 | 2.047 | 0 | %100 |
| 68 | M36 | Z | 3.545 | 3.545 | 0 | %100 %100 |
| 69 | MP6A | X Z | 4.392 | 4.392 | 0 | %100 |
| 70 | MP6A | | 7.607 | 7.607 | 0 | %100 |
| 71 | MP5A | X | 4.392 | 4.392 | 0 | %100 |
| 72 | MP5A | Z | 7.607 | 7.607 | 0 | %100 |
| 73 | MP3A | X | 5.317 | 5.317 | 0 | %100 |
| 74 | MP3A | Z | 9.209 | 9.209 | 0 | %100 |
| 75 | MP1A | X | 4.392 | 4.392 | 0 | %100 |
| 76 | MP1A | Z | 7.607 | 7.607 | 0 | %100 |
| 77 | MP4A | X | 4.392 | 4.392 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 78 | MP4A | Z | 7.607 | 7.607 | 0 | %100 |
| 79 | MP2A | X | 4.392 | 4.392 | 0 | %100 |
| 80 | MP2A | Z | 7.607 | 7.607 | 0 | %100 |
| 81 | M55 | X | .344 | .344 | 0 | %100 |
| 82 | M55 | Z | .596 | .596 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|----------------------|--------------------|
| 1 | M1 | X | 0 | 0 | 0 | %100 |
| 2 | M1 | Z | 11.096 | 11.096 | 0 | %100 |
| 3 | M3 | X | 0 | 0 | 0 | %100 |
| 4 | M3 | Z | 11.096 | 11.096 | 0 | %100 |
| 5 | M5 | X | 0 | 0 | 0 | %100 |
| 6 | M5 | Z | .68 | .68 | 0 | %100 |
| 7 | M6 | X | 0 | 0 | 0 | %100 |
| 8 | M6 | Z | .68 | .68 | 0 | %100 |
| 9 | M7 | X | 0 | 0 | 0 | %100 |
| 10 | M7 | Z | 10.633 | 10.633 | 0 | %100 |
| 11 | M8 | X | 0 | 0 | 0 | %100 |
| 12 | M8 | Z | .68 | .68 | 0 | %100 |
| 13 | M9 | X | 0 | 0 | 0 | %100 |
| 14 | M9 | Z | .68 | .68 | 0 | %100 |
| 15 | M10 | X | 0 | 0 | 0 | %100 |
| 16 | M10 | Z | 10.633 | 10.633 | 0 | %100 |
| 17 | OVP | X | 0 | 0 | 0 | %100 |
| 18 | OVP | Z | 4.308 | 4.308 | 0 | %100 |
| 19 | M12 | X | 0 | 0 | 0 | %100 |
| 20 | M12 | Z | 4.308 | 4.308 | 0 | %100 |
| 21 | M13 | X | 0 | 0 | 0 | %100 |
| 22 | M13 | Z | 4.308 | 4.308 | 0 | %100 |
| 23 | M14 | X | 0 | 0 | 0 | %100 |
| 24 | M14 | Z | 4.308 | 4.308 | 0 | %100 |
| 25 | M15 | X | 0 | 0 | 0 | %100 |
| 26 | M15 | Z | 1.464 | 1.464 | 0 | %100 |
| 27 | M16 | X | 0 | 0 | 0 | %100 |
| 28 | M16 | Z | 3.838 | 3.838 | 0 | %100 |
| 29 | M17 | X | 0 | 0 | 0 | %100 |
| 30 | M17 | Z | 1.464 | 1.464 | 0 | %100 |
| 31 | M18 | X | 0 | 0 | 0 | %100 |
| 32 | M18 | Z | 3.838 | 3.838 | 0 | %100 |
| 33 | M19 | X | 0 | 0 | 0 | %100 |
| 34 | M19 | Z | 1.759 | 1.759 | 0 | %100 |
| 35 | M20 | X | 0 | 0 | 0 | %100 |
| 36 | M20 | Z | 1.464 | 1.464 | 0 | %100 |
| 37 | M21 | X | 0 | 0 | 0 | %100 |
| 38 | M21 | Z | 1.464 | 1.464 | 0 | %100 |
| 39 | M22 | X | 0 | 0 | 0 | %100 |
| 40 | M22 | Z | 4.623 | 4.623 | 0 | %100 |
| 41 | M23 | X | 0 | 0 | 0 | %100 |
| 42 | M23 | Z | 4.623 | 4.623 | 0 | %100 |
| 43 | M24 | | 0 | 0 | 0 | %100 |
| 44 | M24 | X Z | 6.978 | 6.978 | 0 | %100 |
| 45 | M25 | X | 0 | 0 | 0 | %100 |
| 46 | M25 | Z | 1.759 | 1.759 | 0 | %100 |
| 47 | M26 | X | 0 | 0 | 0 | %100 |
| 48 | M26 | Z | 1.464 | 1.464 | 0 | %100 |

Company : Maser Consulting

Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | |
|----|--------------|-----------|------------------------|-------------------------|-----------------------|------|
| 49 | M27 | X | 0 | 0 | 0 | %100 |
| 50 | M27 | Z | 3.838 | 3.838 | 0 | %100 |
| 51 | M28 | X | 0 | 0 | 0 | %100 |
| 52 | M28 | Z | 1.464 | 1.464 | 0 | %100 |
| 53 | M29 | X | 0 | 0 | 0 | %100 |
| 54 | M29 | Z | 3.838 | 3.838 | 0 | %100 |
| 55 | M30 | X | 0 | 0 | 0 | %100 |
| 56 | M30 | Z | 1.759 | 1.759 | 0 | %100 |
| 57 | M31 | X | 0 | 0 | 0 | %100 |
| 58 | M31 | Z | 1.464 | 1.464 | 0 | %100 |
| 59 | M32 | X | 0 | 0 | 0 | %100 |
| 60 | M32 | Z | 1.464 | 1.464 | 0 | %100 |
| 61 | M33 | Х | 0 | 0 | 0 | %100 |
| 62 | M33 | Z | 4.623 | 4.623 | 0 | %100 |
| 63 | M34 | X | 0 | 0 | 0 | %100 |
| 64 | M34 | Z | 4.623 | 4.623 | 0 | %100 |
| 65 | M35 | X | 0 | 0 | 0 | %100 |
| 66 | M35 | Z | 6.978 | 6.978 | 0 | %100 |
| 67 | M36 | X | 0 | 0 | 0 | %100 |
| 68 | M36 | Z | 1.759 | 1.759 | 0 | %100 |
| 69 | MP6A | Х | 0 | 0 | 0 | %100 |
| 70 | MP6A | Z | 8.784 | 8.784 | 0 | %100 |
| 71 | MP5A | X | 0 | 0 | 0 | %100 |
| 72 | MP5A | Z | 8.784 | 8.784 | 0 | %100 |
| 73 | MP3A | X | 0 | 0 | 0 | %100 |
| 74 | MP3A | Z | 10.633 | 10.633 | 0 | %100 |
| 75 | MP1A | X | 0 | 0 | 0 | %100 |
| 76 | MP1A | Z | 8.784 | 8.784 | 0 | %100 |
| 77 | MP4A | X | 0 | 0 | 0 | %100 |
| 78 | MP4A | Z | 8.784 | 8.784 | 0 | %100 |
| 79 | MP2A | X | 0 | 0 | 0 | %100 |
| 80 | MP2A | Z | 8.784 | 8.784 | 0 | %100 |
| 81 | M55 | Х | 0 | 0 | 0 | %100 |
| 82 | M55 | Z | 2.469 | 2.469 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude [lb/ft | . End Magnitude[lb/ft,F | Start Location(in 9/1 | End Location[in,%] |
|----|--------------|-----------|------------------------|-------------------------|--------------------------|--------------------|
| 4 | | | | | .Start Location[iii, 76] | |
| | M1 | X | -4.161 | -4.161 | U | %100 |
| 2 | <u>M1</u> | Z | 7.207 | 7.207 | 0 | %100 |
| 3 | M3 | X | -4.161 | -4.161 | 0 | %100 |
| 4 | M3 | Z | 7.207 | 7.207 | 0 | %100 |
| 5 | M5 | X | 043 | 043 | 0 | %100 |
| 6 | M5 | Z | .075 | .075 | 0 | %100 |
| 7 | M6 | X | 644 | 644 | 0 | %100 |
| 8 | M6 | Z | 1.115 | 1.115 | 0 | %100 |
| 9 | M7 | X | -3.988 | -3.988 | 0 | %100 |
| 10 | M7 | Z | 6.907 | 6.907 | 0 | %100 |
| 11 | M8 | X | 043 | 043 | 0 | %100 |
| 12 | M8 | Z | .075 | .075 | 0 | %100 |
| 13 | M9 | X | 644 | 644 | 0 | %100 |
| 14 | M9 | Z | 1.115 | 1.115 | 0 | %100 |
| 15 | M10 | X | -3.988 | -3.988 | 0 | %100 |
| 16 | M10 | Z | 6.907 | 6.907 | 0 | %100 |
| 17 | OVP | X | 274 | 274 | 0 | %100 |
| 18 | OVP | Z | .474 | .474 | 0 | %100 |
| 19 | M12 | X | -4.077 | -4.077 | 0 | %100 |

Company Designer Job Number : NL : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | |
|----|--------------|-----------|------------------------|-------------------------|-----------------------|--------------|
| 20 | M12 | Z | 7.061 | 7.061 | 0 | %100 |
| 21 | M13 | X | 274 | 274 | 0 | %100 |
| 22 | M13 | Z | .474 | .474 | 0 | %100 |
| 23 | M14 | X | -4.077 | -4.077 | 0 | %100 |
| 24 | M14 | Z | 7.061 | 7.061 | 0 | %100 |
| 25 | M15 | X | -1.936 | -1.936 | 0 | %100 |
| 26 | M15 | Z | 3.353 | 3.353 | 0 | %100 |
| 27 | M16 | X | -2.256 | -2.256 | 0 | %100 |
| 28 | M16 | Z | 3.908 | 3.908 | 0 | %100 |
| 29 | M17 | X | -1.936 | -1.936 | 0 | %100 |
| 30 | M17 | Z | 3.353 | 3.353 | Ö | %100 |
| 31 | M18 | X | -2.256 | -2.256 | 0 | %100 |
| 32 | M18 | Z | 3.908 | 3.908 | Ö | %100 %100 |
| 33 | M19 | X | -2.047 | -2.047 | 0 | %100 |
| 34 | M19 | Z | 3.545 | 3.545 | 0 | %100 %100 |
| 35 | M20 | X | -1.936 | -1.936 | 0 | %100 %100 |
| 36 | M20 | Z | 3.353 | 3.353 | 0 | %100 %100 |
| 37 | M21 | | | | 0 | %100 %100 |
| | | X Z | -1.936 | -1.936 | | |
| 38 | M21 | | 3.353 | 3.353 | 0 | %100 |
| 39 | M22 | X | -2.312 | -2.312 | 0 | %100 |
| 40 | M22 | Z | 4.004 | 4.004 | 0 | %100 |
| 41 | M23 | X | -2.312 | -2.312 | 0 | %100 |
| 42 | M23 | Z | 4.004 | 4.004 | 0 | %100 |
| 43 | M24 | X | -3.489 | -3.489 | 0 | %100 |
| 44 | M24 | Z | 6.043 | 6.043 | 0 | %100 |
| 45 | M25 | X | -2.047 | -2.047 | 0 | %100 |
| 46 | M25 | Z | 3.545 | 3.545 | 0 | %100 |
| 47 | M26 | X | -1.936 | -1.936 | 0 | %100 |
| 48 | M26 | Z | 3.353 | 3.353 | 0 | %100 |
| 49 | M27 | X | -1.589 | -1.589 | 0 | %100 |
| 50 | M27 | Z | 2.752 | 2.752 | 0 | %100 |
| 51 | M28 | Χ | -1.936 | -1.936 | 0 | %100 |
| 52 | M28 | Z | 3.353 | 3.353 | 0 | %100 |
| 53 | M29 | X | -1.589 | -1.589 | 0 | %100 |
| 54 | M29 | Z | 2.752 | 2.752 | 0 | %100 |
| 55 | M30 | X | -2.047 | -2.047 | 0 | %100 |
| 56 | M30 | Z | 3.545 | 3.545 | 0 | %100 |
| 57 | M31 | X | -1.936 | -1.936 | 0 | %100 |
| 58 | M31 | Z | 3.353 | 3.353 | 0 | %100 |
| 59 | M32 | X | -1.936 | -1.936 | Ō | %100 |
| 60 | M32 | Z | 3.353 | 3.353 | Ö | %100 |
| 61 | M33 | X | -2.312 | -2.312 | 0 | %100 %100 |
| 62 | M33 | Z | 4.004 | 4.004 | 0 | %100 %100 |
| 63 | M34 | X | -2.312 | -2.312 | 0 | %100 |
| 64 | M34 | Z | 4.004 | 4.004 | 0 | %100 %100 |
| 65 | M35 | X | -3.489 | -3.489 | 0 | %100 %100 |
| 66 | M35 | Z | 6.043 | 6.043 | 0 | %100 %100 |
| 67 | M36 | X | -2.047 | -2.047 | 0 | %100 %100 |
| 68 | M36 | Z | 3.545 | 3.545 | 0 | %100 |
| 69 | MP6A | X | -4.392 | -4.392 | 0 | %100 %100 |
| 70 | MP6A | Ž | 7.607 | 7.607 | 0 | %100 %100 |
| 71 | | | -4.392 | -4.392 | | %100 %100 |
| | MP5A | X Z | | | 0 | |
| 72 | MP5A | Z | 7.607 | 7.607 | 0 | %100 %100 |
| 73 | MP3A | X | -5.317 | -5.317 | 0 | %100 |
| 74 | MP3A | Z | 9.209 | 9.209 | 0 | %100 |
| 75 | MP1A | X | -4.392 | -4.392 | 0 | %100 |
| 76 | MP1A | Z | 7.607 | 7.607 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 77 | MP4A | X | -4.392 | -4.392 | 0 | %100 |
| 78 | MP4A | Z | 7.607 | 7.607 | 0 | %100 |
| 79 | MP2A | X | -4.392 | -4.392 | 0 | %100 |
| 80 | MP2A | Z | 7.607 | 7.607 | 0 | %100 |
| 81 | M55 | X | -4.257 | -4.257 | 0 | %100 |
| 82 | M55 | Z | 7.373 | 7.373 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | Start Location[in,%] | |
|----|--------------|-----------|------------------------|-----------------------|----------------------|--------------|
| 1 | M1 | X | -2.402 | -2.402 | 0 | %100 |
| 2 | M1 | Z | 1.387 | 1.387 | 0 | %100 |
| 3 | M3 | X | -2.402 | -2.402 | 0 | %100 |
| 4 | M3 | Z | 1.387 | 1.387 | 0 | %100 |
| 5 | M5 | X | 086 | 086 | 0 | %100 |
| 6 | M5 | Z | .05 | .05 | 0 | %100 |
| 7 | M6 | X | -1.126 | -1.126 | 0 | %100 |
| 8 | M6 | Z | .65 | .65 | 0 | %100 |
| 9 | M7 | X | -2.302 | -2.302 | 0 | %100 |
| 10 | M7 | Z | 1.329 | 1.329 | 0 | %100 |
| 11 | M8 | X | 086 | 086 | 0 | %100 |
| 12 | M8 | Z | .05 | .05 | 0 | %100 |
| 13 | M9 | X | -1.126 | -1.126 | 0 | %100 |
| 14 | M9 | Ž | .65 | .65 | 0 | %100 |
| 15 | M10 | X | -2.302 | -2.302 | 0 | %100 |
| 16 | M10 | Ž | 1.329 | 1.329 | 0 | %100 |
| 17 | OVP | X | 546 | 546 | 0 | %100 |
| 18 | OVP | Z | .315 | .315 | Ö | %100 |
| 19 | M12 | X | -7.133 | -7.133 | 0 | %100 %100 |
| 20 | M12 | Z | 4.118 | 4.118 | 0 | %100 %100 |
| 21 | M13 | X | 546 | 546 | 0 | %100 %100 |
| 22 | M13 | Z | .315 | .315 | 0 | %100 %100 |
| 23 | M14 | X | -7.133 | -7.133 | 0 | %100 %100 |
| 24 | M14 | Z | 4.118 | 4.118 | 0 | %100 %100 |
| 25 | M15 | X | -7.524 | -7.524 | 0 | %100 %100 |
| 26 | M15 | Z | 4.344 | 4.344 | 0 | %100 %100 |
| | | | | | | |
| 27 | M16 | X Z | -3.921 | -3.921 | 0 | %100 %100 |
| 28 | M16 | | 2.264 | 2.264 | | %100 %400 |
| 29 | M17 | X | -7.524 | -7.524 | 0 | %100 %100 |
| 30 | M17 | Z | 4.344 | 4.344 | 0 | %100 |
| 31 | M18 | X Z | -3.921 | -3.921 | 0 | %100 |
| 32 | M18 | | 2.264 | 2.264 | 0 | %100 |
| 33 | M19 | X | -7.588 | -7.588 | 0 | %100 |
| 34 | M19 | Z | 4.381 | 4.381 | 0 | %100 |
| 35 | M20 | X | -7.524 | -7.524 | 0 | %100 |
| 36 | M20 | Z | 4.344 | 4.344 | 0 | %100 |
| 37 | M21 | X | -7.524 | -7.524 | 0 | %100 |
| 38 | M21 | Z | 4.344 | 4.344 | 0 | %100 |
| 39 | M22 | X | -4.004 | -4.004 | 0 | %100 |
| 40 | M22 | Z | 2.312 | 2.312 | 0 | %100 |
| 41 | M23 | X Z | -4.004 | -4.004 | 0 | %100 |
| 42 | M23 | Z | 2.312 | 2.312 | 0 | %100 |
| 43 | M24 | X | -6.043 | -6.043 | 0 | %100 |
| 44 | M24 | Z | 3.489 | 3.489 | 0 | %100 |
| 45 | M25 | X | -7.588 | -7.588 | 0 | %100 |
| 46 | M25 | Z | 4.381 | 4.381 | 0 | %100 |
| 47 | M26 | X | -7.524 | -7.524 | 0 | %100 |

Company Designer : NL

Job Number 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | Start Location[in,%] | |
|----|--------------|-----------|------------------------|-------------------------|----------------------|------|
| 48 | M26 | Z | 4.344 | 4.344 | 0 | %100 |
| 49 | M27 | X | -2.765 | -2.765 | 0 | %100 |
| 50 | M27 | Z | 1.596 | 1.596 | 0 | %100 |
| 51 | M28 | X | -7.524 | -7.524 | 0 | %100 |
| 52 | M28 | Z | 4.344 | 4.344 | 0 | %100 |
| 53 | M29 | X | -2.765 | -2.765 | 0 | %100 |
| 54 | M29 | Z | 1.596 | 1.596 | 0 | %100 |
| 55 | M30 | X | -7.588 | -7.588 | 0 | %100 |
| 56 | M30 | Z | 4.381 | 4.381 | 0 | %100 |
| 57 | M31 | X | -7.524 | -7.524 | 0 | %100 |
| 58 | M31 | Z | 4.344 | 4.344 | 0 | %100 |
| 59 | M32 | X | -7.524 | -7.524 | 0 | %100 |
| 60 | M32 | Z | 4.344 | 4.344 | 0 | %100 |
| 61 | M33 | X Z | -4.004 | -4.004 | 0 | %100 |
| 62 | M33 | Z | 2.312 | 2.312 | 0 | %100 |
| 63 | M34 | X | -4.004 | -4.004 | 0 | %100 |
| 64 | M34 | Z | 2.312 | 2.312 | 0 | %100 |
| 65 | M35 | X | -6.043 | -6.043 | 0 | %100 |
| 66 | M35 | Z | 3.489 | 3.489 | 0 | %100 |
| 67 | M36 | X | -7.588 | -7.588 | 0 | %100 |
| 68 | M36 | Z | 4.381 | 4.381 | 0 | %100 |
| 69 | MP6A | X | -7.607 | -7.607 | 0 | %100 |
| 70 | MP6A | Z | 4.392 | 4.392 | 0 | %100 |
| 71 | MP5A | X | -7.607 | -7.607 | 0 | %100 |
| 72 | MP5A | Z | 4.392 | 4.392 | 0 | %100 |
| 73 | MP3A | X | -9.209 | -9.209 | 0 | %100 |
| 74 | MP3A | Z | 5.317 | 5.317 | 0 | %100 |
| 75 | MP1A | X | -7.607 | -7.607 | 0 | %100 |
| 76 | MP1A | Z | 4.392 | 4.392 | 0 | %100 |
| 77 | MP4A | X | -7.607 | -7.607 | 0 | %100 |
| 78 | MP4A | Z | 4.392 | 4.392 | 0 | %100 |
| 79 | MP2A | Χ | -7.607 | -7.607 | 0 | %100 |
| 80 | MP2A | Z | 4.392 | 4.392 | 0 | %100 |
| 81 | M55 | X | -11.065 | -11.065 | 0 | %100 |
| 82 | M55 | Z | 6.389 | 6.389 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 1 | M1 | X | 0 | 0 | 0 | %100 |
| 2 | M1 | Z | 0 | 0 | 0 | %100 |
| 3 | M3 | X | 0 | 0 | 0 | %100 |
| 4 | M3 | Z | 0 | 0 | 0 | %100 |
| 5 | M5 | X | 707 | 707 | 0 | %100 |
| 6 | M5 | Z | 0 | 0 | 0 | %100 |
| 7 | M6 | X | 707 | 707 | 0 | %100 |
| 8 | M6 | Z | 0 | 0 | 0 | %100 |
| 9 | M7 | X | 0 | 0 | 0 | %100 |
| 10 | M7 | Z | 0 | 0 | 0 | %100 |
| 11 | M8 | X | 707 | 707 | 0 | %100 |
| 12 | M8 | Z | 0 | 0 | 0 | %100 |
| 13 | M9 | X | 707 | 707 | 0 | %100 |
| 14 | M9 | Z | 0 | 0 | 0 | %100 |
| 15 | M10 | X | 0 | 0 | 0 | %100 |
| 16 | M10 | Z | 0 | 0 | 0 | %100 |
| 17 | OVP | X | -4.476 | -4.476 | 0 | %100 |
| 18 | OVP | Z | 0 | 0 | 0 | %100 |

Company Designer Job Number : NL : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | Start Location[in,%] | |
|----|--------------|-----------|------------------------|---------------------------------------|----------------------|--------------|
| 19 | M12 | X | -4.476 | -4.476 | 0 | %100 |
| 20 | M12 | Z | 0 | 0 | 0 | %100 |
| 21 | M13 | X | -4.476 | -4.476 | 0 | %100 |
| 22 | M13 | Z | 0 | 0 | 0 | %100 |
| 23 | M14 | X | -4.476 | -4.476 | 0 | %100 |
| 24 | M14 | Z | 0 | 0 | 0 | %100 |
| 25 | M15 | X | -11.096 | -11.096 | 0 | %100 |
| 26 | M15 | Z | 0 | 0 | 0 | %100 |
| 27 | M16 | X | -3.867 | -3.867 | 0 | %100 |
| 28 | M16 | Z | 0 | 0 | 0 | %100 |
| 29 | M17 | X | -11.096 | -11.096 | 0 | %100 |
| 30 | M17 | Z | 0 | 0 | Ö | %100 |
| 31 | M18 | X | -3.867 | -3.867 | 0 | %100 %100 |
| 32 | M18 | Z | 0.007 | 0 | Ö | %100 %100 |
| 33 | M19 | X | -11.096 | -11.096 | 0 | %100 %100 |
| 34 | M19 | Z | 0 | 0 | 0 | %100 %100 |
| 35 | M20 | X | -11.096 | -11.096 | 0 | %100 %100 |
| 36 | M20 | Z | 0 | 0 | 0 | %100 %100 |
| 37 | M21 | X | -11.096 | -11.096 | 0 | %100 %100 |
| 38 | M21 | Z | 0 | 0 | 0 | %100 %100 |
| 39 | M22 | X | -4.623 | -4.623 | 0 | %100 %100 |
| 40 | M22 | Z | -4.023 | -4.023 | 0 | %100 %100 |
| 41 | M23 | X | -4.623 | -4.623 | 0 | %100 %100 |
| 42 | M23 | Ž | -4.023 | -4.023 | 0 | %100 %100 |
| 43 | M24 | X | -6.978 | -6.978 | 0 | %100 %100 |
| 44 | M24 | Z | -0.978 | -0.978 | 0 | %100 %100 |
| | | | * | · · · · · · · · · · · · · · · · · · · | | |
| 45 | M25 | X | -11.096 | -11.096 | 0 | %100 |
| 46 | M25 | Z | 0 | 0 | 0 | %100 |
| 47 | M26 | X | -11.096 | -11.096 | 0 | %100 |
| 48 | M26 | Z | 0 | 0 | 0 | %100 |
| 49 | M27 | X | -3.867 | -3.867 | 0 | %100 |
| 50 | M27 | Z | 0 | 0 | 0 | %100 |
| 51 | M28 | X | -11.096 | -11.096 | 0 | %100 |
| 52 | M28 | Z | 0 | 0 | 0 | %100 |
| 53 | M29 | X | -3.867 | -3.867 | 0 | %100 |
| 54 | M29 | Z | 0 | 0 | 0 | %100 |
| 55 | M30 | X | -11.096 | -11.096 | 0 | %100 |
| 56 | M30 | Z | 0 | 0 | 0 | %100 |
| 57 | M31 | X | -11.096 | -11.096 | 0 | %100 |
| 58 | M31 | Z | 0 | 0 | 0 | %100 |
| 59 | M32 | X | -11.096 | -11.096 | 0 | %100 |
| 60 | M32 | Z | 0 | 0 | 0 | %100 |
| 61 | M33 | X | -4.623 | -4.623 | 0 | %100 |
| 62 | M33 | Z | 0 | 0 | 0 | %100 |
| 63 | M34 | X | -4.623 | -4.623 | 0 | %100 |
| 64 | M34 | Z | 0 | 0 | 0 | %100 |
| 65 | M35 | X | -6.978 | -6.978 | 0 | %100 |
| 66 | M35 | Z | 0 | 0 | 0 | %100 |
| 67 | M36 | X | -11.096 | -11.096 | 0 | %100 |
| 68 | M36 | Z | 0 704 | 0 704 | 0 | %100 |
| 69 | MP6A | X | -8.784 | -8.784 | 0 | %100 |
| 70 | MP6A | Z | 0 704 | 0 704 | 0 | %100 |
| 71 | MP5A | X | -8.784 | -8.784 | 0 | %100 |
| 72 | MP5A | Z | 0 | 0 | 0 | %100 |
| 73 | MP3A | X | -10.633 | -10.633 | 0 | %100 |
| 74 | MP3A | Z | 0 704 | 0 704 | 0 | %100 |
| 75 | MP1A | X | -8.784 | -8.784 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 76 | MP1A | Z | 0 | 0 | 0 | %100 |
| 77 | MP4A | X | -8.784 | -8.784 | 0 | %100 |
| 78 | MP4A | Z | 0 | 0 | 0 | %100 |
| 79 | MP2A | X | -8.784 | -8.784 | 0 | %100 |
| 80 | MP2A | Z | 0 | 0 | 0 | %100 |
| 81 | M55 | X | -10.996 | -10.996 | 0 | %100 |
| 82 | M55 | 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,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 1 | M1 | X | -2.402 | -2.402 | 0 | %100 |
| 2 | M1 | Z | -1.387 | -1.387 | 0 | %100 |
| 3 | M3 | X | -2.402 | -2.402 | 0 | %100 |
| 4 | M3 | Z | -1.387 | -1.387 | 0 | %100 |
| 5 | M5 | X | -1.126 | -1.126 | 0 | %100 |
| 6 | M5 | Z | 65 | 65 | 0 | %100 |
| 7 | M6 | X | 086 | 086 | 0 | %100 |
| 8 | M6 | Z | 05 | 05 | 0 | %100 |
| 9 | M7 | X | -2.302 | -2.302 | 0 | %100 |
| 10 | M7 | Z | -1.329 | -1.329 | 0 | %100 |
| 11 | M8 | X | -1.126 | -1.126 | 0 | %100 |
| 12 | M8 | Z | 65 | 65 | 0 | %100 |
| 13 | M9 | X | 086 | 086 | 0 | %100 |
| 14 | M9 | Z | 05 | 05 | 0 | %100 |
| 15 | M10 | X | -2.302 | -2.302 | 0 | %100 |
| 16 | M10 | Z | -1.329 | -1.329 | 0 | %100 |
| 17 | OVP | X | -7.133 | -7.133 | 0 | %100 |
| 18 | OVP | Z | -4.118 | -4.118 | 0 | %100 |
| 19 | M12 | X | 546 | 546 | 0 | %100 |
| 20 | M12 | Z | 315 | 315 | 0 | %100 |
| 21 | M13 | X | -7.133 | -7.133 | 0 | %100 |
| 22 | M13 | Z | -4.118 | -4.118 | 0 | %100 |
| 23 | M14 | X | 546 | 546 | 0 | %100 |
| 24 | M14 | Z | 315 | 315 | 0 | %100 |
| 25 | M15 | X | -7.524 | -7.524 | 0 | %100 |
| 26 | M15 | Z | -4.344 | -4.344 | 0 | %100 |
| 27 | M16 | X | -2.765 | -2.765 | 0 | %100 |
| 28 | M16 | Z | -1.596 | -1.596 | 0 | %100 |
| 29 | M17 | X | -7.524 | -7.524 | 0 | %100 |
| 30 | M17 | Z | -4.344 | -4.344 | 0 | %100 |
| 31 | M18 | X | -2.765 | -2.765 | 0 | %100 |
| 32 | M18 | Z | -1.596 | -1.596 | 0 | %100 |
| 33 | M19 | X | -7.588 | -7.588 | 0 | %100 |
| 34 | M19 | Z | -4.381 | -4.381 | 0 | %100 |
| 35 | M20 | X | -7.524 | -7.524 | 0 | %100 |
| 36 | M20 | Z | -4.344 | -4.344 | 0 | %100 |
| 37 | M21 | X | -7.524 | -7.524 | 0 | %100 |
| 38 | M21 | Z | -4.344 | -4.344 | 0 | %100 |
| 39 | M22 | X | -4.004 | -4.004 | 0 | %100 |
| 40 | M22 | Z | -2.312 | -2.312 | 0 | %100 |
| 41 | M23 | X | -4.004 | -4.004 | 0 | %100 |
| 42 | M23 | Z | -2.312 | -2.312 | 0 | %100 |
| 43 | M24 | X | -6.043 | -6.043 | 0 | %100 |
| 44 | M24 | Z | -3.489 | -3.489 | Ō | %100 |
| 45 | M25 | X | -7.588 | -7.588 | 0 | %100 |
| 46 | M25 | Z | -4.381 | -4.381 | 0 | %100 |
| | | _ | | | | |

Company Designer : NL

Job Number 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 47 | M26 | X | -7.524 | -7.524 | 0 | %100 |
| 48 | M26 | Z | -4.344 | -4.344 | 0 | %100 |
| 49 | M27 | X | -3.921 | -3.921 | 0 | %100 |
| 50 | M27 | Z | -2.264 | -2.264 | 0 | %100 |
| 51 | M28 | X | -7.524 | -7.524 | 0 | %100 |
| 52 | M28 | Z | -4.344 | -4.344 | 0 | %100 |
| 53 | M29 | X | -3.921 | -3.921 | 0 | %100 |
| 54 | M29 | Z | -2.264 | -2.264 | 0 | %100 |
| 55 | M30 | X | -7.588 | -7.588 | 0 | %100 |
| 56 | M30 | Z | -4.381 | -4.381 | 0 | %100 |
| 57 | M31 | X | -7.524 | -7.524 | 0 | %100 |
| 58 | M31 | Z | -4.344 | -4.344 | 0 | %100 |
| 59 | M32 | X | -7.524 | -7.524 | 0 | %100 |
| 60 | M32 | Z | -4.344 | -4.344 | 0 | %100 |
| 61 | M33 | X | -4.004 | -4.004 | 0 | %100 |
| 62 | M33 | Z | -2.312 | -2.312 | 0 | %100 |
| 63 | M34 | X | -4.004 | -4.004 | 0 | %100 |
| 64 | M34 | Z | -2.312 | -2.312 | 0 | %100 |
| 65 | M35 | X | -6.043 | -6.043 | 0 | %100 |
| 66 | M35 | Z | -3.489 | -3.489 | 0 | %100 |
| 67 | M36 | X | -7.588 | -7.588 | 0 | %100 |
| 68 | M36 | Z | -4.381 | -4.381 | 0 | %100 |
| 69 | MP6A | X | -7.607 | -7.607 | 0 | %100 |
| 70 | MP6A | Z | -4.392 | -4.392 | 0 | %100 |
| 71 | MP5A | X | -7.607 | -7.607 | 0 | %100 |
| 72 | MP5A | Z | -4.392 | -4.392 | 0 | %100 |
| 73 | MP3A | X | -9.209 | -9.209 | 0 | %100 |
| 74 | MP3A | Z | -5.317 | -5.317 | 0 | %100 |
| 75 | MP1A | X | -7.607 | -7.607 | 0 | %100 |
| 76 | MP1A | Z | -4.392 | -4.392 | 0 | %100 |
| 77 | MP4A | X | -7.607 | -7.607 | 0 | %100 |
| 78 | MP4A | Z | -4.392 | -4.392 | 0 | %100 |
| 79 | MP2A | X | -7.607 | -7.607 | 0 | %100 |
| 80 | MP2A | Z | -4.392 | -4.392 | 0 | %100 |
| 81 | M55 | X | -4.289 | -4.289 | 0 | %100 |
| 82 | M55 | Z | -2.476 | -2.476 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 1 | M1 | X | -4.161 | -4.161 | 0 | %100 |
| 2 | M1 | Z | -7.207 | -7.207 | 0 | %100 |
| 3 | M3 | X | -4.161 | -4.161 | 0 | %100 |
| 4 | M3 | Z | -7.207 | -7.207 | 0 | %100 |
| 5 | M5 | X | 644 | 644 | 0 | %100 |
| 6 | M5 | Z | -1.115 | -1.115 | 0 | %100 |
| 7 | M6 | X | 043 | 043 | 0 | %100 |
| 8 | M6 | Z | 075 | 075 | 0 | %100 |
| 9 | M7 | X | -3.988 | -3.988 | 0 | %100 |
| 10 | M7 | Z | -6.907 | -6.907 | 0 | %100 |
| 11 | M8 | X | 644 | 644 | 0 | %100 |
| 12 | M8 | Z | -1.115 | -1.115 | 0 | %100 |
| 13 | M9 | X | 043 | 043 | 0 | %100 |
| 14 | M9 | Z | 075 | 075 | 0 | %100 |
| 15 | M10 | X | -3.988 | -3.988 | 0 | %100 |
| 16 | M10 | Z | -6.907 | -6.907 | 0 | %100 |
| 17 | OVP | X | -4.077 | -4.077 | 0 | %100 |

: NL

Company Designer Job Number 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | Start Location[in,%] | |
|----|--------------|-----------|------------------------|-----------------------|----------------------|--------------|
| 18 | OVP | Z | -7.061 | -7.061 | 0 | %100 |
| 19 | M12 | X | 274 | 274 | 0 | %100 |
| 20 | M12 | Z | 474 | 474 | 0 | %100 |
| 21 | M13 | X | -4.077 | -4.077 | 0 | %100 |
| 22 | M13 | Z | -7.061 | -7.061 | 0 | %100 |
| 23 | M14 | X | 274 | 274 | 0 | %100 |
| 24 | M14 | Z | 474 | 474 | 0 | %100 |
| 25 | M15 | X | -1.936 | -1.936 | 0 | %100 |
| 26 | M15 | Z | -3.353 | -3.353 | 0 | %100 |
| 27 | M16 | X | -1.589 | -1.589 | 0 | %100 |
| 28 | M16 | Z | -2.752 | -2.752 | 0 | %100 |
| 29 | M17 | X | -1.936 | -1.936 | 0 | %100 |
| 30 | M17 | Z | -3.353 | -3.353 | 0 | %100 |
| 31 | M18 | X | -1.589 | -1.589 | 0 | %100 |
| 32 | M18 | Z | -2.752 | -2.752 | 0 | %100 |
| 33 | M19 | X | -2.047 | -2.047 | 0 | %100 |
| 34 | M19 | Z | -3.545 | -3.545 | 0 | %100 |
| 35 | M20 | X | -1.936 | -1.936 | 0 | %100 %100 |
| 36 | M20 | Z | -3.353 | -3.353 | 0 | %100 |
| 37 | M21 | X | -1.936 | -1.936 | 0 | %100 %100 |
| 38 | M21 | Z | -3.353 | -3.353 | 0 | %100 %100 |
| 39 | M22 | X | -2.312 | -2.312 | 0 | %100 %100 |
| 40 | M22 | Z | -4.004 | -4.004 | 0 | %100 %100 |
| 41 | M23 | X | -2.312 | -2.312 | 0 | %100 %100 |
| 42 | M23 | Ž | -4.004 | -4.004 | 0 | %100 %100 |
| 43 | M24 | X | -3.489 | -3.489 | 0 | %100 %100 |
| 44 | M24 | Ž | -6.043 | -6.043 | 0 | %100 %100 |
| 45 | M25 | X | -2.047 | | | |
| | | Z | | -2.047 | 0 | %100 %100 |
| 46 | M25 | | -3.545 | -3.545 | 0 | %100 %400 |
| 47 | M26 | X | -1.936 | -1.936 | 0 | %100 |
| 48 | M26 | Z | -3.353 | -3.353 | 0 | %100 %100 |
| 49 | M27 | X | -2.256 | -2.256 | 0 | %100 |
| 50 | M27 | Z | -3.908 | -3.908 | 0 | %100 |
| 51 | M28 | X | -1.936 | -1.936 | 0 | %100 |
| 52 | M28 | Z | -3.353 | -3.353 | 0 | %100 |
| 53 | M29 | X | -2.256 | -2.256 | 0 | %100 |
| 54 | M29 | Z | -3.908 | -3.908 | 0 | %100 |
| 55 | M30 | X | -2.047 | -2.047 | 0 | %100 |
| 56 | M30 | Z | -3.545 | -3.545 | 0 | %100 |
| 57 | M31 | X | -1.936 | -1.936 | 0 | %100 |
| 58 | M31 | Z | -3.353 | -3.353 | 0 | %100 |
| 59 | M32 | X | -1.936 | -1.936 | 0 | %100 |
| 60 | M32 | Z | -3.353 | -3.353 | 0 | %100 |
| 61 | M33 | X | -2.312 | -2.312 | 0 | %100 |
| 62 | M33 | Z | -4.004 | -4.004 | 0 | %100 |
| 63 | M34 | X | -2.312 | -2.312 | 0 | %100 |
| 64 | M34 | Z | -4.004 | -4.004 | 0 | %100 |
| 65 | M35 | X Z | -3.489 | -3.489 | 0 | %100 |
| 66 | M35 | | -6.043 | -6.043 | 0 | %100 |
| 67 | M36 | X | -2.047 | -2.047 | 0 | %100 |
| 68 | M36 | Z | -3.545 | -3.545 | 0 | %100 |
| 69 | MP6A | X Z | -4.392 | -4.392 | 0 | %100 |
| 70 | MP6A | | -7.607 | -7.607 | 0 | %100 |
| 71 | MP5A | X | -4.392 | -4.392 | 0 | %100 |
| 72 | MP5A | Z | -7.607 | -7.607 | 0 | %100 |
| 73 | MP3A | X | -5.317 | -5.317 | 0 | %100 |
| 74 | MP3A | Z | -9.209 | -9.209 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-------------------------|-----------------------|--------------------|
| 75 | MP1A | X | -4.392 | -4.392 | 0 | %100 |
| 76 | MP1A | Z | -7.607 | -7.607 | 0 | %100 |
| 77 | MP4A | X | -4.392 | -4.392 | 0 | %100 |
| 78 | MP4A | Z | -7.607 | -7.607 | 0 | %100 |
| 79 | MP2A | X | -4.392 | -4.392 | 0 | %100 |
| 80 | MP2A | Z | -7.607 | -7.607 | 0 | %100 |
| 81 | M55 | X | 344 | 344 | 0 | %100 |
| 82 | M55 | Z | 596 | 596 | 0 | %100 |

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

| 1 2 3 4 5 6 7 8 9 | M1 M1 M3 M3 M5 M5 M6 M6 | X Z X Z X Z | 0 -2.727 0 -2.727 0 533 | 0 -2.727 0 -2.727 0 | 0 0 0 | %100 %100 %100 %100 |
|---|--|----------------------------|--|---------------------------------|-------------|------------------------------|
| 3 4 5 6 7 8 | M3 M3 M5 M5 M6 M6 | X Z X Z | 0 -2.727 0 | 0 -2.727 | 0 | %100 |
| 4 5 6 7 8 | M3 M5 M5 M6 M6 | Z X Z | -2.727 0 | -2.727 | | |
| 5 6 7 8 | M5 M5 M6 M6 | X Z | 0 | | 0 | 0/ 100 |
| 6 7 8 | M5 M6 M6 | Z | | <u> </u> | _ | 70 100 |
| 7 8 | M6 M6 | Z | 533 | U | 0 | %100 |
| 8 | M6 | Х | | 533 | 0 | %100 |
| | M6 | | 0 | 0 | 0 | %100 |
| | | Z | 533 | 533 | 0 | %100 |
| 9 | 1917 | X | 0 | 0 | 0 | %100 |
| 10 | M7 | Z | -3.249 | -3.249 | 0 | %100 |
| 11 | M8 | X | 0 | 0 | 0 | %100 |
| 12 | M8 | Z | 533 | 533 | 0 | %100 |
| 13 | M9 | X | 0 | 0 | 0 | %100 |
| 14 | M9 | Z | 533 | 533 | 0 | %100 |
| 15 | M10 | X | 0 | 0 | 0 | %100 |
| 16 | M10 | Z | -3.249 | -3.249 | 0 | %100 |
| 17 | OVP | X | 0 | 0 | 0 | %100 |
| 18 | OVP | Z | -1.441 | -1.441 | 0 | %100 |
| 19 | M12 | Х | 0 | 0 | 0 | %100 |
| 20 | M12 | Z | -1.441 | -1.441 | 0 | %100 |
| 21 | M13 | X | 0 | 0 | 0 | %100 |
| 22 | M13 | Z | -1.441 | -1.441 | 0 | %100 |
| 23 | M14 | X | 0 | 0 | 0 | %100 |
| 24 | M14 | Z | -1.441 | -1.441 | 0 | %100 |
| 25 | M15 | X | 0 | 0 | 0 | %100 |
| 26 | M15 | Z | -1.099 | -1.099 | 0 | %100 |
| 27 | M16 | X | 0 | 0 | 0 | %100 |
| 28 | M16 | Z | -1.776 | -1.776 | 0 | %100 |
| 29 | M17 | X | 0 | 0 | 0 | %100 |
| 30 | M17 | Z | -1.099 | -1.099 | 0 | %100 |
| 31 | M18 | X | 0 | 0 | 0 | %100 |
| 32 | M18 | Z | -1.776 | -1.776 | 0 | %100 |
| 33 | M19 | X | 0 | 0 | 0 | %100 |
| 34 | M19 | Z | -1.149 | -1.149 | 0 | %100 |
| 35 | M20 | X | 0 | 0 | 0 | %100 |
| 36 | M20 | Z | -1.099 | -1.099 | 0 | %100 |
| 37 | M21 | X | 0 | 0 | 0 | %100 |
| 38 | M21 | Z | -1.099 | -1.099 | 0 | %100 |
| 39 | M22 | X | 0 | 0 | 0 | %100 |
| 40 | M22 | Z | -1.999 | -1.999 | 0 | %100 |
| 41 | M23 | X | 0 | 0 | 0 | %100 |
| 42 | M23 | Z | -1.999 | -1.999 | 0 | %100 |
| 43 | M24 | X | 0 | 0 | 0 | %100 |
| 44 | M24 | Z | -2.337 | -2.337 | 0 | %100 |
| 45 | M25 | X | 0 | 0 | 0 | %100 |

Company Designer : NL

Job Number 21777866A Model Name Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F. | Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|--------------------------|----------------------|--------------------|
| 46 | M25 | Z | -1.149 | -1.149 | 0 | %100 |
| 47 | M26 | X | 0 | 0 | 0 | %100 |
| 48 | M26 | Z | -1.099 | -1.099 | 0 | %100 |
| 49 | M27 | X | 0 | 0 | 0 | %100 |
| 50 | M27 | Z | -1.776 | -1.776 | 0 | %100 |
| 51 | M28 | X | 0 | 0 | 0 | %100 |
| 52 | M28 | Z | -1.099 | -1.099 | 0 | %100 |
| 53 | M29 | X | 0 | 0 | 0 | %100 |
| 54 | M29 | Z | -1.776 | -1.776 | 0 | %100 |
| 55 | M30 | X | 0 | 0 | 0 | %100 |
| 56 | M30 | Z | -1.149 | -1.149 | 0 | %100 |
| 57 | M31 | X | 0 | 0 | 0 | %100 |
| 58 | M31 | Z | -1.099 | -1.099 | 0 | %100 |
| 59 | M32 | X | 0 | 0 | 0 | %100 |
| 60 | M32 | Z | -1.099 | -1.099 | 0 | %100 |
| 61 | M33 | X | 0 | 0 | 0 | %100 |
| 62 | M33 | Z | -1.999 | -1.999 | 0 | %100 |
| 63 | M34 | X | 0 | 0 | 0 | %100 |
| 64 | M34 | Z | -1.999 | -1.999 | 0 | %100 |
| 65 | M35 | X | 0 | 0 | 0 | %100 |
| 66 | M35 | Z | -2.337 | -2.337 | 0 | %100 |
| 67 | M36 | X | 0 | 0 | 0 | %100 |
| 68 | M36 | Z | -1.149 | -1.149 | 0 | %100 |
| 69 | MP6A | X | 0 | 0 | 0 | %100 |
| 70 | MP6A | Z | -2.938 | -2.938 | 0 | %100 |
| 71 | MP5A | X | 0 | 0 | 0 | %100 |
| 72 | MP5A | Z | -2.938 | -2.938 | 0 | %100 |
| 73 | MP3A | X | 0 | 0 | 0 | %100 |
| 74 | MP3A | Z | -3.249 | -3.249 | 0 | %100 |
| 75 | MP1A | X | 0 | 0 | 0 | %100 |
| 76 | MP1A | Z | -2.938 | -2.938 | 0 | %100 |
| 77 | MP4A | Χ | 0 | 0 | 0 | %100 |
| 78 | MP4A | Z | -2.938 | -2.938 | 0 | %100 |
| 79 | MP2A | X | 0 | 0 | 0 | %100 |
| 80 | MP2A | Z | -2.938 | -2.938 | 0 | %100 |
| 81 | M55 | X | 0 | 0 | 0 | %100 |
| 82 | M55 | Z | 694 | 694 | 0 | %100 |

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

| | Manushan Labat | | Charles Managerites and a fille ## | | Ott1titi 0/1 | F |
|----|----------------|-----------|------------------------------------|-----------------------|-----------------------|--------------------|
| | Member Label | Direction | | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
| 1 | M1 | X | 1.023 | 1.023 | 0 | %100 |
| 2 | M1 | Z | -1.771 | -1.771 | 0 | %100 |
| 3 | M3 | X | 1.023 | 1.023 | 0 | %100 |
| 4 | M3 | Z | -1.771 | -1.771 | 0 | %100 |
| 5 | M5 | X | .034 | .034 | 0 | %100 |
| 6 | M5 | Z | 059 | 059 | 0 | %100 |
| 7 | M6 | X | .504 | .504 | 0 | %100 |
| 8 | M6 | Z | 873 | 873 | 0 | %100 |
| 9 | M7 | X | 1.218 | 1.218 | 0 | %100 |
| 10 | M7 | Z | -2.11 | -2.11 | 0 | %100 |
| 11 | M8 | X | .034 | .034 | 0 | %100 |
| 12 | M8 | Z | 059 | 059 | 0 | %100 |
| 13 | M9 | X | .504 | .504 | 0 | %100 |
| 14 | M9 | Z | 873 | 873 | 0 | %100 |
| 15 | M10 | X | 1.218 | 1.218 | 0 | %100 |
| 16 | M10 | Z | -2.11 | -2.11 | 0 | %100 |

Company Designer Job Number : NL : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | | . End Magnitude[lb/ft,F | Start Location[in,%] | |
|----|--------------|-----------|--------|-------------------------|----------------------|--------------|
| 17 | OVP | X | .092 | .092 | 0 | %100 |
| 18 | OVP | Z | 159 | 159 | 0 | %100 |
| 19 | M12 | X | 1.364 | 1.364 | 0 | %100 |
| 20 | M12 | Z | -2.362 | -2.362 | 0 | %100 |
| 21 | M13 | X | .092 | .092 | 0 | %100 |
| 22 | M13 | Z | 159 | 159 | 0 | %100 |
| 23 | M14 | X | 1.364 | 1.364 | 0 | %100 |
| 24 | M14 | Z | -2.362 | -2.362 | 0 | %100 |
| 25 | M15 | X | .752 | .752 | 0 | %100 |
| 26 | M15 | Z | -1.302 | -1.302 | 0 | %100 |
| 27 | M16 | X | 1.044 | 1.044 | 0 | %100 |
| 28 | M16 | Z | -1.809 | -1.809 | Ö | %100 %100 |
| 29 | M17 | X | .752 | .752 | 0 | %100 %100 |
| 30 | M17 | Z | -1.302 | -1.302 | 0 | %100 %100 |
| 31 | M18 | X | 1.044 | 1.044 | 0 | %100 %100 |
| 32 | M18 | Z | -1.809 | -1.809 | 0 | %100 %100 |
| 33 | M19 | X | .77 | .77 | 0 | %100 %100 |
| 34 | M19 | Z | -1.334 | -1.334 | 0 | %100 %100 |
| 35 | M20 | X | .752 | .752 | 0 | %100 %100 |
| 36 | M20 | Ž | -1.302 | -1.302 | 0 | %100 %100 |
| 37 | | X | .752 | .752 | | %100 %100 |
| | M21 | Z | | | 0 | |
| 38 | M21 | | -1.302 | -1.302 1 | 0 | %100 |
| 39 | M22 | X Z | 1 724 | | 0 | %100 |
| 40 | M22 | | -1.731 | -1.731 | 0 | %100 |
| 41 | M23 | X | 1 704 | 1 704 | 0 | %100 |
| 42 | M23 | Z | -1.731 | -1.731 | 0 | %100 |
| 43 | M24 | X | 1.169 | 1.169 | 0 | %100 |
| 44 | M24 | Z | -2.024 | -2.024 | 0 | %100 |
| 45 | M25 | X | .77 | .77 | 0 | %100 |
| 46 | M25 | Z | -1.334 | -1.334 | 0 | %100 |
| 47 | M26 | X | .752 | .752 | 0 | %100 |
| 48 | M26 | Z | -1.302 | -1.302 | 0 | %100 |
| 49 | M27 | X | .735 | .735 | 0 | %100 |
| 50 | M27 | Z | -1.274 | -1.274 | 0 | %100 |
| 51 | M28 | X | .752 | .752 | 0 | %100 |
| 52 | M28 | Z | -1.302 | -1.302 | 0 | %100 |
| 53 | M29 | X | .735 | .735 | 0 | %100 |
| 54 | M29 | Z | -1.274 | -1.274 | 0 | %100 |
| 55 | M30 | X | .77 | .77 | 0 | %100 |
| 56 | M30 | Z | -1.334 | -1.334 | 0 | %100 |
| 57 | M31 | X | .752 | .752 | 0 | %100 |
| 58 | M31 | Z | -1.302 | -1.302 | 0 | %100 |
| 59 | M32 | X | .752 | .752 | 0 | %100 |
| 60 | M32 | Z | -1.302 | -1.302 | 0 | %100 |
| 61 | M33 | X | 1 | 1 | 0 | %100 |
| 62 | M33 | Z | -1.731 | -1.731 | 0 | %100 |
| 63 | M34 | X | 1 | 1 | 0 | %100 |
| 64 | M34 | Ž | -1.731 | -1.731 | 0 | %100 |
| 65 | M35 | X | 1.169 | 1.169 | 0 | %100 |
| 66 | M35 | Z | -2.024 | -2.024 | Ö | %100 |
| 67 | M36 | X | .77 | .77 | 0 | %100 |
| 68 | M36 | Z | -1.334 | -1.334 | Ö | %100 %100 |
| 69 | MP6A | X | 1.469 | 1.469 | 0 | %100 %100 |
| 70 | MP6A | Z | -2.544 | -2.544 | 0 | %100 %100 |
| 71 | MP5A | X | 1.469 | 1.469 | 0 | %100 %100 |
| 72 | MP5A | Z | -2.544 | -2.544 | Ö | %100 %100 |
| 73 | MP3A | X | 1.624 | 1.624 | 0 | %100 %100 |
| | IVII O/A | | 1.027 | 1.047 | . | 70 1 0 0 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 74 | MP3A | Z | -2.813 | -2.813 | 0 | %100 |
| 75 | MP1A | X | 1.469 | 1.469 | 0 | %100 |
| 76 | MP1A | Z | -2.544 | -2.544 | 0 | %100 |
| 77 | MP4A | X | 1.469 | 1.469 | 0 | %100 |
| 78 | MP4A | Z | -2.544 | -2.544 | 0 | %100 |
| 79 | MP2A | X | 1.469 | 1.469 | 0 | %100 |
| 80 | MP2A | Z | -2.544 | -2.544 | 0 | %100 |
| 81 | M55 | X | 1.196 | 1.196 | 0 | %100 |
| 82 | M55 | Z | -2.072 | -2.072 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|----------------------|--------------------|
| 1 | M1 | X | .59 | .59 | 0 | %100 |
| 2 | M1 | Z | 341 | 341 | 0 | %100 |
| 3 | M3 | X | .59 | .59 | 0 | %100 |
| 4 | M3 | Z | 341 | 341 | 0 | %100 |
| 5 | M5 | X | .068 | .068 | 0 | %100 |
| 6 | M5 | Z | 039 | 039 | 0 | %100 |
| 7 | M6 | X | .882 | .882 | 0 | %100 |
| 8 | M6 | Z | 509 | 509 | 0 | %100 |
| 9 | M7 | X | .703 | .703 | 0 | %100 |
| 10 | M7 | Z | 406 | 406 | 0 | %100 |
| 11 | M8 | X | .068 | .068 | 0 | %100 |
| 12 | M8 | Z | 039 | 039 | 0 | %100 |
| 13 | M9 | X | .882 | .882 | 0 | %100 |
| 14 | M9 | Z | 509 | 509 | 0 | %100 |
| 15 | M10 | X | .703 | .703 | 0 | %100 |
| 16 | M10 | Z | 406 | 406 | 0 | %100 |
| 17 | OVP | X | .183 | .183 | 0 | %100 |
| 18 | OVP | Z | 106 | 106 | 0 | %100 |
| 19 | M12 | X | 2.386 | 2.386 | 0 | %100 |
| 20 | M12 | Z | -1.378 | -1.378 | 0 | %100 |
| 21 | M13 | X | .183 | .183 | 0 | %100 |
| 22 | M13 | Z | 106 | 106 | 0 | %100 |
| 23 | M14 | X | 2.386 | 2.386 | 0 | %100 |
| 24 | M14 | Z | -1.378 | -1.378 | 0 | %100 |
| 25 | M15 | X | 2.003 | 2.003 | 0 | %100 |
| 26 | M15 | Z | -1.156 | -1.156 | 0 | %100 |
| 27 | M16 | X | 1.815 | 1.815 | 0 | %100 |
| 28 | M16 | Z | -1.048 | -1.048 | 0 | %100 |
| 29 | M17 | X | 2.003 | 2.003 | 0 | %100 |
| 30 | M17 | Z | -1.156 | -1.156 | 0 | %100 |
| 31 | M18 | X | 1.815 | 1.815 | 0 | %100 |
| 32 | M18 | Z | -1.048 | -1.048 | 0 | %100 |
| 33 | M19 | X | 2.013 | 2.013 | 0 | %100 |
| 34 | M19 | Z | -1.162 | -1.162 | 0 | %100 |
| 35 | M20 | X | 2.003 | 2.003 | 0 | %100 |
| 36 | M20 | Z | -1.156 | -1.156 | 0 | %100 |
| 37 | M21 | X | 2.003 | 2.003 | 0 | %100 |
| 38 | M21 | Z | -1.156 | -1.156 | 0 | %100 |
| 39 | M22 | X | 1.731 | 1.731 | 0 | %100 |
| 40 | M22 | Z | -1 | -1 | 0 | %100 |
| 41 | M23 | X | 1.731 | 1.731 | 0 | %100 |
| 42 | M23 | Z | -1 | -1 | 0 | %100 |
| 43 | M24 | X | 2.024 | 2.024 | 0 | %100 |
| 44 | M24 | Z | -1.169 | -1.169 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-------------------------|----------------------|--------------------|
| 45 | M25 | X | 2.013 | 2.013 | 0 | %100 |
| 46 | M25 | Z | -1.162 | -1.162 | 0 | %100 |
| 47 | M26 | X | 2.003 | 2.003 | 0 | %100 |
| 48 | M26 | Z | -1.156 | -1.156 | 0 | %100 |
| 49 | M27 | X | 1.28 | 1.28 | 0 | %100 |
| 50 | M27 | Z | 739 | 739 | 0 | %100 |
| 51 | M28 | X | 2.003 | 2.003 | 0 | %100 |
| 52 | M28 | Z | -1.156 | -1.156 | 0 | %100 |
| 53 | M29 | X | 1.28 | 1.28 | 0 | %100 |
| 54 | M29 | Z | 739 | 739 | 0 | %100 |
| 55 | M30 | X | 2.013 | 2.013 | 0 | %100 |
| 56 | M30 | Z | -1.162 | -1.162 | 0 | %100 |
| 57 | M31 | X | 2.003 | 2.003 | 0 | %100 |
| 58 | M31 | Z | -1.156 | -1.156 | 0 | %100 |
| 59 | M32 | X | 2.003 | 2.003 | Ö | %100 |
| 60 | M32 | Z | -1.156 | -1.156 | 0 | %100 |
| 61 | M33 | X | 1.731 | 1.731 | 0 | %100 |
| 62 | M33 | Z | -1 | -1 | 0 | %100 |
| 63 | M34 | X | 1.731 | 1.731 | Ö | %100 |
| 64 | M34 | Ž | -1 | -1 | Ö | %100 |
| 65 | M35 | X | 2.024 | 2.024 | Ō | %100 |
| 66 | M35 | Z | -1.169 | -1.169 | Ö | %100 |
| 67 | M36 | X | 2.013 | 2.013 | Ö | %100 |
| 68 | M36 | Z | -1.162 | -1.162 | 0 | %100 |
| 69 | MP6A | X | 2.544 | 2.544 | 0 | %100 |
| 70 | MP6A | Z | -1.469 | -1.469 | Ö | %100 %100 |
| 71 | MP5A | X | 2.544 | 2.544 | Ö | %100 |
| 72 | MP5A | Ž | -1.469 | -1.469 | Ö | %100 |
| 73 | MP3A | X | 2.813 | 2.813 | Ö | %100 |
| 74 | MP3A | Ž | -1.624 | -1.624 | Ö | %100 |
| 75 | MP1A | X | 2.544 | 2.544 | 0 | %100 %100 |
| 76 | MP1A | Z | -1.469 | -1.469 | 0 | %100 %100 |
| 77 | MP4A | X | 2.544 | 2.544 | 0 | %100 %100 |
| 78 | MP4A | Z | -1.469 | -1.469 | 0 | %100 %100 |
| 79 | MP2A | X | 2.544 | 2.544 | 0 | %100 %100 |
| 80 | MP2A | Z | -1.469 | -1.469 | 0 | %100 |
| 81 | M55 | X | 3.109 | 3.109 | 0 | %100 %100 |
| 82 | M55 | Z | -1.795 | -1.795 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|----------------------|--------------------|
| 1 | M1 | X | 0 | 0 | 0 | %100 |
| 2 | M1 | Z | 0 | 0 | 0 | %100 |
| 3 | M3 | X | 0 | 0 | 0 | %100 |
| 4 | M3 | Z | 0 | 0 | 0 | %100 |
| 5 | M5 | X | .553 | .553 | 0 | %100 |
| 6 | M5 | Z | 0 | 0 | 0 | %100 |
| 7 | M6 | X | .553 | .553 | 0 | %100 |
| 8 | M6 | Z | 0 | 0 | 0 | %100 |
| 9 | M7 | X | 0 | 0 | 0 | %100 |
| 10 | M7 | Z | 0 | 0 | 0 | %100 |
| 11 | M8 | X | .553 | .553 | 0 | %100 |
| 12 | M8 | Z | 0 | 0 | 0 | %100 |
| 13 | M9 | X | .553 | .553 | 0 | %100 |
| 14 | M9 | Z | 0 | 0 | 0 | %100 |
| 15 | M10 | X | 0 | 0 | 0 | %100 |

Company Designer Job Number : NL : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | |
|----|--------------|-----------|------------------------|-------------------------|-----------------------|--------------|
| 16 | M10 | Z | 0 | 0 | 0 | %100 |
| 17 | OVP | X | 1.497 | 1.497 | 0 | %100 |
| 18 | OVP | Z | 0 | 0 | 0 | %100 |
| 19 | M12 | X | 1.497 | 1.497 | 0 | %100 |
| 20 | M12 | Z | 0 | 0 | 0 | %100 |
| 21 | M13 | X | 1.497 | 1.497 | 0 | %100 %100 |
| 22 | M13 | Z | 0 | 0 | Ö | %100 %100 |
| 23 | M14 | X | 1.497 | 1.497 | 0 | %100 %100 |
| 24 | M14 | Z | 0 | 0 | 0 | %100 %100 |
| 25 | | | | | | |
| | M15 | X | 2.717 | 2.717 | 0 | %100 |
| 26 | M15 | Z | 0 | 0 | 0 | %100 |
| 27 | M16 | X | 1.79 | 1.79 | 0 | %100 |
| 28 | M16 | Z | 0 | 0 | 0 | %100 |
| 29 | M17 | X | 2.717 | 2.717 | 0 | %100 |
| 30 | M17 | Z | 0 | 0 | 0 | %100 |
| 31 | M18 | X | 1.79 | 1.79 | 0 | %100 |
| 32 | M18 | Z | 0 | 0 | 0 | %100 |
| 33 | M19 | X | 2.717 | 2.717 | 0 | %100 |
| 34 | M19 | Z | 0 | 0 | 0 | %100 |
| 35 | M20 | X | 2.717 | 2.717 | 0 | %100 |
| 36 | M20 | Z | 0 | 0 | 0 | %100 |
| 37 | M21 | X | 2.717 | 2.717 | 0 | %100 |
| 38 | M21 | Z | 0 | 0 | 0 | %100 %100 |
| 39 | M22 | X | 1.999 | 1.999 | 0 | %100 %100 |
| 40 | M22 | Z | 0 | 0 | 0 | %100 %100 |
| 41 | M23 | X | 1.999 | 1.999 | 0 | %100 %100 |
| 42 | M23 | Z | | | | %100 %100 |
| | | | 0 | 0 | 0 | |
| 43 | M24 | X | 2.337 | 2.337 | 0 | %100 |
| 44 | M24 | Z | 0 | 0 | 0 | %100 |
| 45 | M25 | X | 2.717 | 2.717 | 0 | %100 |
| 46 | M25 | Z | 0 | 0 | 0 | %100 |
| 47 | M26 | X | 2.717 | 2.717 | 0 | %100 |
| 48 | M26 | Z | 0 | 0 | 0 | %100 |
| 49 | M27 | X | 1.79 | 1.79 | 0 | %100 |
| 50 | M27 | Z | 0 | 0 | 0 | %100 |
| 51 | M28 | X | 2.717 | 2.717 | 0 | %100 |
| 52 | M28 | Z | 0 | 0 | 0 | %100 |
| 53 | M29 | X | 1.79 | 1.79 | 0 | %100 |
| 54 | M29 | Z | 0 | 0 | 0 | %100 |
| 55 | M30 | X | 2.717 | 2.717 | 0 | %100 |
| 56 | M30 | Z | 0 | 0 | Ö | %100 |
| 57 | M31 | X | 2.717 | 2.717 | 0 | %100 %100 |
| 58 | M31 | Z | 0 | 0 | 0 | %100 %100 |
| 59 | M32 | X | 2.717 | 2.717 | 0 | %100 %100 |
| 60 | M32 | Z | 0 | 0 | 0 | %100 %100 |
| | | | _ | _ | | |
| 61 | M33 | X | 1.999 | 1.999 | 0 | %100 |
| 62 | M33 | Z | 0 | 0 | 0 | %100 |
| 63 | M34 | X | 1.999 | 1.999 | 0 | %100 |
| 64 | M34 | Z | 0 | 0 | 0 | %100 |
| 65 | M35 | X | 2.337 | 2.337 | 0 | %100 |
| 66 | M35 | Z | 0 | 0 | 0 | %100 |
| 67 | M36 | X | 2.717 | 2.717 | 0 | %100 |
| 68 | M36 | Z | 0 | 0 | 0 | %100 |
| 69 | MP6A | X | 2.938 | 2.938 | 0 | %100 |
| 70 | MP6A | Z | 0 | 0 | 0 | %100 |
| 71 | MP5A | X | 2.938 | 2.938 | 0 | %100 |
| 72 | MP5A | Z | 0 | 0 | 0 | %100 |
| | | | | | | |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-------------------------|-----------------------|--------------------|
| 73 | MP3A | X | 3.249 | 3.249 | 0 | %100 |
| 74 | MP3A | Z | 0 | 0 | 0 | %100 |
| 75 | MP1A | X | 2.938 | 2.938 | 0 | %100 |
| 76 | MP1A | Z | 0 | 0 | 0 | %100 |
| 77 | MP4A | X | 2.938 | 2.938 | 0 | %100 |
| 78 | MP4A | Z | 0 | 0 | 0 | %100 |
| 79 | MP2A | X | 2.938 | 2.938 | 0 | %100 |
| 80 | MP2A | Z | 0 | 0 | 0 | %100 |
| 81 | M55 | X | 3.09 | 3.09 | 0 | %100 |
| 82 | M55 | Z | 0 | 0 | 0 | %100 |

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

| | Member Label | | Start Magnitude[lb/ft, | | .Start Location[in,%] | |
|----|--------------|---|------------------------|-------|-----------------------|------|
| 1 | M1 | X | .59 | .59 | 0 | %100 |
| 2 | M1 | Z | .341 | .341 | 0 | %100 |
| 3 | M3 | X | .59 | .59 | 0 | %100 |
| 4 | M3 | Z | .341 | .341 | 0 | %100 |
| 5 | M5 | X | .882 | .882 | 0 | %100 |
| 6 | M5 | Z | .509 | .509 | 0 | %100 |
| 7 | M6 | X | .068 | .068 | 0 | %100 |
| 8 | M6 | Z | .039 | .039 | 0 | %100 |
| 9 | M7 | X | .703 | .703 | 0 | %100 |
| 10 | M7 | Z | .406 | .406 | 0 | %100 |
| 11 | M8 | X | .882 | .882 | 0 | %100 |
| 12 | M8 | Z | .509 | .509 | 0 | %100 |
| 13 | M9 | X | .068 | .068 | 0 | %100 |
| 14 | M9 | Z | .039 | .039 | 0 | %100 |
| 15 | M10 | X | .703 | .703 | 0 | %100 |
| 16 | M10 | Z | .406 | .406 | 0 | %100 |
| 17 | OVP | X | 2.386 | 2.386 | 0 | %100 |
| 18 | OVP | Z | 1.378 | 1.378 | 0 | %100 |
| 19 | M12 | X | .183 | .183 | 0 | %100 |
| 20 | M12 | Z | .106 | .106 | 0 | %100 |
| 21 | M13 | X | 2.386 | 2.386 | 0 | %100 |
| 22 | M13 | Z | 1.378 | 1.378 | 0 | %100 |
| 23 | M14 | X | .183 | .183 | 0 | %100 |
| 24 | M14 | Z | .106 | .106 | 0 | %100 |
| 25 | M15 | X | 2.003 | 2.003 | 0 | %100 |
| 26 | M15 | Z | 1.156 | 1.156 | 0 | %100 |
| 27 | M16 | X | 1.28 | 1.28 | 0 | %100 |
| 28 | M16 | Z | .739 | .739 | 0 | %100 |
| 29 | M17 | X | 2.003 | 2.003 | 0 | %100 |
| 30 | M17 | Z | 1.156 | 1.156 | 0 | %100 |
| 31 | M18 | X | 1.28 | 1.28 | 0 | %100 |
| 32 | M18 | Z | .739 | .739 | 0 | %100 |
| 33 | M19 | X | 2.013 | 2.013 | 0 | %100 |
| 34 | M19 | Z | 1.162 | 1.162 | 0 | %100 |
| 35 | M20 | X | 2.003 | 2.003 | 0 | %100 |
| 36 | M20 | Z | 1.156 | 1.156 | 0 | %100 |
| 37 | M21 | X | 2.003 | 2.003 | 0 | %100 |
| 38 | M21 | Z | 1.156 | 1.156 | 0 | %100 |
| 39 | M22 | X | 1.731 | 1.731 | 0 | %100 |
| 40 | M22 | Z | 1 | 1 | 0 | %100 |
| 41 | M23 | X | 1.731 | 1.731 | 0 | %100 |
| 42 | M23 | Z | 1 | 1 | 0 | %100 |
| 43 | M24 | X | 2.024 | 2.024 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|----------------------|--------------------|
| 44 | M24 | Z | 1.169 | 1.169 | 0 | %100 |
| 45 | M25 | X | 2.013 | 2.013 | 0 | %100 |
| 46 | M25 | Z | 1.162 | 1.162 | 0 | %100 |
| 47 | M26 | X | 2.003 | 2.003 | 0 | %100 |
| 48 | M26 | Z | 1.156 | 1.156 | 0 | %100 |
| 49 | M27 | X | 1.815 | 1.815 | 0 | %100 |
| 50 | M27 | Z | 1.048 | 1.048 | 0 | %100 |
| 51 | M28 | X | 2.003 | 2.003 | 0 | %100 |
| 52 | M28 | Z | 1.156 | 1.156 | 0 | %100 |
| 53 | M29 | X | 1.815 | 1.815 | 0 | %100 |
| 54 | M29 | Z | 1.048 | 1.048 | 0 | %100 |
| 55 | M30 | X | 2.013 | 2.013 | 0 | %100 |
| 56 | M30 | Z | 1.162 | 1.162 | 0 | %100 |
| 57 | M31 | X | 2.003 | 2.003 | 0 | %100 |
| 58 | M31 | Ž | 1.156 | 1.156 | Ö | %100 |
| 59 | M32 | X | 2.003 | 2.003 | 0 | %100 |
| 60 | M32 | Z | 1.156 | 1.156 | Ō | %100 |
| 61 | M33 | X | 1.731 | 1.731 | 0 | %100 |
| 62 | M33 | Z | 1 | 1 | Ö | %100 |
| 63 | M34 | X | 1.731 | 1.731 | 0 | %100 %100 |
| 64 | M34 | Z | 1 | 1 | 0 | %100 %100 |
| 65 | M35 | X | 2.024 | 2.024 | 0 | %100 |
| 66 | M35 | Z | 1.169 | 1.169 | 0 | %100 %100 |
| 67 | M36 | X | 2.013 | 2.013 | 0 | %100 |
| 68 | M36 | Z | 1.162 | 1.162 | 0 | %100 %100 |
| 69 | MP6A | X | 2.544 | 2.544 | 0 | %100 %100 |
| 70 | MP6A | Z | 1.469 | 1.469 | Ö | %100 %100 |
| 71 | MP5A | X | 2.544 | 2.544 | 0 | %100 %100 |
| 72 | MP5A | Z | 1.469 | 1.469 | Ö | %100 %100 |
| 73 | MP3A | X | 2.813 | 2.813 | 0 | %100 |
| 74 | MP3A | Z | 1.624 | 1.624 | Ö | %100 %100 |
| 75 | MP1A | X | 2.544 | 2.544 | 0 | %100 %100 |
| 76 | MP1A | Z | 1.469 | 1.469 | 0 | %100 %100 |
| 77 | MP4A | X | 2.544 | 2.544 | 0 | %100 %100 |
| 78 | MP4A | Z | 1.469 | 1.469 | 0 | %100 %100 |
| 79 | MP2A | X | 2.544 | 2.544 | 0 | %100 %100 |
| 80 | MP2A | Z | 1.469 | 1.469 | 0 | %100 %100 |
| 81 | M55 | X | 1.205 | 1.205 | 0 | %100 %100 |
| 82 | M55 | Z | .696 | .696 | 0 | %100 %100 |
| OZ | IVIOO | _ | .090 | .090 | U | /0 100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 1 | M1 | X | 1.023 | 1.023 | 0 | %100 |
| 2 | M1 | Z | 1.771 | 1.771 | 0 | %100 |
| 3 | M3 | X | 1.023 | 1.023 | 0 | %100 |
| 4 | M3 | Z | 1.771 | 1.771 | 0 | %100 |
| 5 | M5 | X | .504 | .504 | 0 | %100 |
| 6 | M5 | Z | .873 | .873 | 0 | %100 |
| 7 | M6 | X | .034 | .034 | 0 | %100 |
| 8 | M6 | Z | .059 | .059 | 0 | %100 |
| 9 | M7 | X | 1.218 | 1.218 | 0 | %100 |
| 10 | M7 | Z | 2.11 | 2.11 | 0 | %100 |
| 11 | M8 | X | .504 | .504 | 0 | %100 |
| 12 | M8 | Z | .873 | .873 | 0 | %100 |
| 13 | M9 | X | .034 | .034 | 0 | %100 |
| 14 | M9 | Z | .059 | .059 | 0 | %100 |

Company Designer Job Number : NL : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | | . End Magnitude[lb/ft,F | Start Location[in,%] | |
|----|--------------|-----------|-------|-------------------------|----------------------|--------------|
| 15 | M10 | X | 1.218 | 1.218 | 0 | %100 |
| 16 | M10 | Z | 2.11 | 2.11 | 0 | %100 |
| 17 | OVP | X | 1.364 | 1.364 | 0 | %100 |
| 18 | OVP | Z | 2.362 | 2.362 | 0 | %100 |
| 19 | M12 | X | .092 | .092 | 0 | %100 |
| 20 | M12 | Z | .159 | .159 | 0 | %100 |
| 21 | M13 | X | 1.364 | 1.364 | 0 | %100 |
| 22 | M13 | Ž | 2.362 | 2.362 | Ö | %100 %100 |
| 23 | M14 | X | .092 | .092 | 0 | %100 %100 |
| 24 | M14 | Z | .159 | .159 | 0 | %100 %100 |
| 25 | M15 | X | .752 | .752 | 0 | %100 %100 |
| 26 | M15 | Z | 1.302 | 1.302 | | |
| | | | | | 0 | %100 %100 |
| 27 | M16 | X | .735 | .735 | 0 | %100 |
| 28 | M16 | Z | 1.274 | 1.274 | 0 | %100 |
| 29 | M17 | X | .752 | .752 | 0 | %100 |
| 30 | M17 | Z | 1.302 | 1.302 | 0 | %100 |
| 31 | M18 | X | .735 | .735 | 0 | %100 |
| 32 | M18 | Z | 1.274 | 1.274 | 0 | %100 |
| 33 | M19 | X | .77 | .77 | 0 | %100 |
| 34 | M19 | Z | 1.334 | 1.334 | 0 | %100 |
| 35 | M20 | X | .752 | .752 | 0 | %100 |
| 36 | M20 | Z | 1.302 | 1.302 | 0 | %100 |
| 37 | M21 | X | .752 | .752 | 0 | %100 |
| 38 | M21 | Z | 1.302 | 1.302 | 0 | %100 |
| 39 | M22 | X | 1 | 1 | 0 | %100 |
| 40 | M22 | Z | 1.731 | 1.731 | 0 | %100 |
| 41 | M23 | X | 1 | 1 | 0 | %100 |
| 42 | M23 | Ž | 1.731 | 1.731 | Ö | %100 %100 |
| 43 | M24 | X | 1.169 | 1.169 | 0 | %100 %100 |
| 44 | M24 | Z | 2.024 | 2.024 | 0 | %100 %100 |
| 45 | M25 | X | .77 | .77 | 0 | %100 %100 |
| 46 | M25 | Z | 1.334 | 1.334 | 0 | %100 %100 |
| 47 | M26 | X | .752 | .752 | 0 | %100 %100 |
| | | Z | | | | |
| 48 | M26 | | 1.302 | 1.302 | 0 | %100 |
| 49 | M27 | X | 1.044 | 1.044 | 0 | %100 |
| 50 | M27 | Z | 1.809 | 1.809 | 0 | %100 |
| 51 | M28 | X | .752 | .752 | 0 | %100 |
| 52 | M28 | Z | 1.302 | 1.302 | 0 | %100 |
| 53 | M29 | X | 1.044 | 1.044 | 0 | %100 |
| 54 | M29 | Z | 1.809 | 1.809 | 0 | %100 |
| 55 | M30 | X | .77 | .77 | 0 | %100 |
| 56 | M30 | Z | 1.334 | 1.334 | 0 | %100 |
| 57 | M31 | X | .752 | .752 | 0 | %100 |
| 58 | M31 | Z | 1.302 | 1.302 | 0 | %100 |
| 59 | M32 | X | .752 | .752 | 0 | %100 |
| 60 | M32 | Z | 1.302 | 1.302 | 0 | %100 |
| 61 | M33 | X | 1 | 1 | 0 | %100 |
| 62 | M33 | Ž | 1.731 | 1.731 | 0 | %100 |
| 63 | M34 | X | 1 | 1 | 0 | %100 |
| 64 | M34 | Z | 1.731 | 1.731 | Ö | %100 %100 |
| 65 | M35 | X | 1.169 | 1.169 | 0 | %100 %100 |
| 66 | M35 | Z | 2.024 | 2.024 | 0 | %100 %100 |
| 67 | M36 | X | .77 | .77 | 0 | %100 %100 |
| 68 | M36 | Z | 1.334 | 1.334 | 0 | %100 %100 |
| | | | | | | |
| 69 | MP6A | X | 1.469 | 1.469 | 0 | %100 %100 |
| 70 | MP6A | Z | 2.544 | 2.544 | 0 | %100 |
| 71 | MP5A | X | 1.469 | 1.469 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 72 | MP5A | Z | 2.544 | 2.544 | 0 | %100 |
| 73 | MP3A | X | 1.624 | 1.624 | 0 | %100 |
| 74 | MP3A | Z | 2.813 | 2.813 | 0 | %100 |
| 75 | MP1A | X | 1.469 | 1.469 | 0 | %100 |
| 76 | MP1A | Z | 2.544 | 2.544 | 0 | %100 |
| 77 | MP4A | X | 1.469 | 1.469 | 0 | %100 |
| 78 | MP4A | Z | 2.544 | 2.544 | 0 | %100 |
| 79 | MP2A | X | 1.469 | 1.469 | 0 | %100 |
| 80 | MP2A | Z | 2.544 | 2.544 | 0 | %100 |
| 81 | M55 | X | .097 | .097 | 0 | %100 |
| 82 | M55 | Z | .167 | .167 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | |
|----|--------------|-----------|------------------------|-------------------------|-----------------------|------|
| 1 | M1 | X | 0 | 0 | 0 | %100 |
| 2 | M1 | Z | 2.727 | 2.727 | 0 | %100 |
| 3 | M3 | X | 0 | 0 | 0 | %100 |
| 4 | M3 | Z | 2.727 | 2.727 | 0 | %100 |
| 5 | M5 | X | 0 | 0 | 0 | %100 |
| 6 | M5 | Z | .533 | .533 | 0 | %100 |
| 7 | M6 | X | 0 | 0 | 0 | %100 |
| 8 | M6 | Z | .533 | .533 | 0 | %100 |
| 9 | M7 | X | 0 | 0 | 0 | %100 |
| 10 | M7 | Z | 3.249 | 3.249 | 0 | %100 |
| 11 | M8 | X | 0 | 0 | 0 | %100 |
| 12 | M8 | Z | .533 | .533 | 0 | %100 |
| 13 | M9 | X | 0 | 0 | 0 | %100 |
| 14 | M9 | Z | .533 | .533 | 0 | %100 |
| 15 | M10 | X | 0 | 0 | 0 | %100 |
| 16 | M10 | Z | 3.249 | 3.249 | 0 | %100 |
| 17 | OVP | X | 0 | 0 | 0 | %100 |
| 18 | OVP | Z | 1.441 | 1.441 | 0 | %100 |
| 19 | M12 | X | 0 | 0 | 0 | %100 |
| 20 | M12 | Z | 1.441 | 1.441 | 0 | %100 |
| 21 | M13 | X | 0 | 0 | 0 | %100 |
| 22 | M13 | Z | 1.441 | 1.441 | 0 | %100 |
| 23 | M14 | X | 0 | 0 | 0 | %100 |
| 24 | M14 | Z | 1.441 | 1.441 | 0 | %100 |
| 25 | M15 | X | 0 | 0 | 0 | %100 |
| 26 | M15 | Z | 1.099 | 1.099 | 0 | %100 |
| 27 | M16 | X | 0 | 0 | 0 | %100 |
| 28 | M16 | Z | 1.776 | 1.776 | 0 | %100 |
| 29 | M17 | X | 0 | 0 | 0 | %100 |
| 30 | M17 | Z | 1.099 | 1.099 | 0 | %100 |
| 31 | M18 | X | 0 | 0 | 0 | %100 |
| 32 | M18 | Z | 1.776 | 1.776 | 0 | %100 |
| 33 | M19 | X | 0 | 0 | 0 | %100 |
| 34 | M19 | Z | 1.149 | 1.149 | 0 | %100 |
| 35 | M20 | X | 0 | 0 | 0 | %100 |
| 36 | M20 | Z | 1.099 | 1.099 | 0 | %100 |
| 37 | M21 | X | 0 | 0 | 0 | %100 |
| 38 | M21 | Z | 1.099 | 1.099 | 0 | %100 |
| 39 | M22 | X | 0 | 0 | 0 | %100 |
| 40 | M22 | Z | 1.999 | 1.999 | 0 | %100 |
| 41 | M23 | X | 0 | 0 | 0 | %100 |
| 42 | M23 | Z | 1.999 | 1.999 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|----------------------|--------------------|
| 43 | M24 | X | 0 | 0 | 0 | %100 |
| 44 | M24 | Z | 2.337 | 2.337 | 0 | %100 |
| 45 | M25 | X | 0 | 0 | 0 | %100 |
| 46 | M25 | Z | 1.149 | 1.149 | 0 | %100 |
| 47 | M26 | X | 0 | 0 | 0 | %100 |
| 48 | M26 | Z | 1.099 | 1.099 | 0 | %100 |
| 49 | M27 | X | 0 | 0 | 0 | %100 |
| 50 | M27 | Z | 1.776 | 1.776 | 0 | %100 |
| 51 | M28 | X | 0 | 0 | 0 | %100 |
| 52 | M28 | Z | 1.099 | 1.099 | 0 | %100 |
| 53 | M29 | X | 0 | 0 | 0 | %100 |
| 54 | M29 | Z | 1.776 | 1.776 | 0 | %100 |
| 55 | M30 | X | 0 | 0 | 0 | %100 |
| 56 | M30 | Z | 1.149 | 1.149 | 0 | %100 |
| 57 | M31 | X | 0 | 0 | 0 | %100 |
| 58 | M31 | Z | 1.099 | 1.099 | 0 | %100 |
| 59 | M32 | X | 0 | 0 | 0 | %100 |
| 60 | M32 | Z | 1.099 | 1.099 | 0 | %100 |
| 61 | M33 | X | 0 | 0 | 0 | %100 |
| 62 | M33 | Z | 1.999 | 1.999 | 0 | %100 |
| 63 | M34 | X | 0 | 0 | 0 | %100 |
| 64 | M34 | Z | 1.999 | 1.999 | 0 | %100 |
| 65 | M35 | X | 0 | 0 | 0 | %100 |
| 66 | M35 | Z | 2.337 | 2.337 | 0 | %100 |
| 67 | M36 | X | 0 | 0 | 0 | %100 |
| 68 | M36 | Z | 1.149 | 1.149 | 0 | %100 |
| 69 | MP6A | X | 0 | 0 | 0 | %100 |
| 70 | MP6A | Z | 2.938 | 2.938 | 0 | %100 |
| 71 | MP5A | X | 0 | 0 | 0 | %100 |
| 72 | MP5A | Z | 2.938 | 2.938 | 0 | %100 |
| 73 | MP3A | X | 0 | 0 | 0 | %100 |
| 74 | MP3A | Z | 3.249 | 3.249 | 0 | %100 |
| 75 | MP1A | X | 0 | 0 | 0 | %100 |
| 76 | MP1A | Z | 2.938 | 2.938 | 0 | %100 |
| 77 | MP4A | X | 0 | 0 | 0 | %100 |
| 78 | MP4A | Z | 2.938 | 2.938 | 0 | %100 |
| 79 | MP2A | X | 0 | 0 | 0 | %100 |
| 80 | MP2A | Z | 2.938 | 2.938 | 0 | %100 |
| 81 | M55 | X | 0 | 0 | 0 | %100 |
| 82 | M55 | Z | .694 | .694 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 1 | M1 | X | -1.023 | -1.023 | 0 | %100 |
| 2 | M1 | Z | 1.771 | 1.771 | 0 | %100 |
| 3 | M3 | X | -1.023 | -1.023 | 0 | %100 |
| 4 | M3 | Z | 1.771 | 1.771 | 0 | %100 |
| 5 | M5 | X | 034 | 034 | 0 | %100 |
| 6 | M5 | Z | .059 | .059 | 0 | %100 |
| 7 | M6 | X | 504 | 504 | 0 | %100 |
| 8 | M6 | Z | .873 | .873 | 0 | %100 |
| 9 | M7 | X | -1.218 | -1.218 | 0 | %100 |
| 10 | M7 | Z | 2.11 | 2.11 | 0 | %100 |
| 11 | M8 | X | 034 | 034 | 0 | %100 |
| 12 | M8 | Z | .059 | .059 | 0 | %100 |
| 13 | M9 | Χ | 504 | 504 | 0 | %100 |

Company Designer Job Number : NL : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | |
|----|--------------|-----------|------------------------|-------------------------|-----------------------|--------------|
| 14 | M9 | Z | .873 | .873 | 0 | %100 |
| 15 | M10 | X | -1.218 | -1.218 | 0 | %100 |
| 16 | M10 | Z | 2.11 | 2.11 | 0 | %100 |
| 17 | OVP | X | 092 | 092 | 0 | %100 |
| 18 | OVP | Z | .159 | .159 | 0 | %100 |
| 19 | M12 | X | -1.364 | -1.364 | 0 | %100 %100 |
| 20 | M12 | Z | 2.362 | 2.362 | Ö | %100 %100 |
| 21 | M13 | X | 092 | 092 | 0 | %100 %100 |
| 22 | M13 | Ž | .159 | .159 | 0 | %100 %100 |
| | | | | | | |
| 23 | M14 | X | -1.364 | -1.364 | 0 | %100 |
| 24 | M14 | Z | 2.362 | 2.362 | 0 | %100 |
| 25 | M15 | X | 752 | 752 | 0 | %100 |
| 26 | M15 | Z | 1.302 | 1.302 | 0 | %100 |
| 27 | M16 | X | -1.044 | -1.044 | 0 | %100 |
| 28 | M16 | Z | 1.809 | 1.809 | 0 | %100 |
| 29 | M17 | X | 752 | 752 | 0 | %100 |
| 30 | M17 | Z | 1.302 | 1.302 | 0 | %100 |
| 31 | M18 | X | -1.044 | -1.044 | 0 | %100 |
| 32 | M18 | Z | 1.809 | 1.809 | 0 | %100 |
| 33 | M19 | X | 77 | 77 | Ō | %100 |
| 34 | M19 | Z | 1.334 | 1.334 | 0 | %100 %100 |
| 35 | M20 | X | 752 | 752 | 0 | %100 |
| 36 | M20 | Z | 1.302 | 1.302 | 0 | %100 |
| 37 | M21 | | | | | |
| | | X | 752 | 752 | 0 | %100 |
| 38 | M21 | Z | 1.302 | 1.302 | 0 | %100 |
| 39 | M22 | X | -1 | -1 | 0 | %100 |
| 40 | M22 | Z | 1.731 | 1.731 | 0 | %100 |
| 41 | M23 | X | -1 | -1 | 0 | %100 |
| 42 | M23 | Z | 1.731 | 1.731 | 0 | %100 |
| 43 | M24 | X | -1.169 | -1.169 | 0 | %100 |
| 44 | M24 | Z | 2.024 | 2.024 | 0 | %100 |
| 45 | M25 | Χ | 77 | 77 | 0 | %100 |
| 46 | M25 | Z | 1.334 | 1.334 | 0 | %100 |
| 47 | M26 | X | 752 | 752 | 0 | %100 |
| 48 | M26 | Z | 1.302 | 1.302 | Ö | %100 |
| 49 | M27 | X | 735 | 735 | 0 | %100 %100 |
| 50 | M27 | Z | 1.274 | 1.274 | 0 | %100 %100 |
| 51 | M28 | X | 752 | 752 | 0 | %100 %100 |
| 52 | M28 | Z | 1.302 | 1.302 | 0 | %100 %100 |
| | | | | | | |
| 53 | M29 | X | 735 | 735 | 0 | %100 |
| 54 | M29 | Z | 1.274 | 1.274 | 0 | %100 |
| 55 | M30 | X | 77 | 77 | 0 | %100 |
| 56 | M30 | Z | 1.334 | 1.334 | 0 | %100 |
| 57 | M31 | X | 752 | 752 | 0 | %100 |
| 58 | M31 | Z | 1.302 | 1.302 | 0 | %100 |
| 59 | M32 | X | 752 | 752 | 0 | %100 |
| 60 | M32 | Z | 1.302 | 1.302 | 0 | %100 |
| 61 | M33 | X | -1 | -1 | 0 | %100 |
| 62 | M33 | Z | 1.731 | 1.731 | 0 | %100 |
| 63 | M34 | X | -1 | -1 | 0 | %100 |
| 64 | M34 | Z | 1.731 | 1.731 | 0 | %100 %100 |
| 65 | M35 | X | -1.169 | -1.169 | 0 | %100 |
| 66 | M35 | Z | 2.024 | 2.024 | 0 | %100 %100 |
| 67 | | X | 77 | | | |
| | M36 | 7 | | 77 | 0 | %100 |
| 68 | M36 | Z | 1.334 | 1.334 | 0 | %100 |
| 69 | MP6A | X | -1.469 | -1.469 | 0 | %100 |
| 70 | MP6A | Z | 2.544 | 2.544 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 71 | MP5A | X | -1.469 | -1.469 | 0 | %100 |
| 72 | MP5A | Z | 2.544 | 2.544 | 0 | %100 |
| 73 | MP3A | X | -1.624 | -1.624 | 0 | %100 |
| 74 | MP3A | Z | 2.813 | 2.813 | 0 | %100 |
| 75 | MP1A | X | -1.469 | -1.469 | 0 | %100 |
| 76 | MP1A | Z | 2.544 | 2.544 | 0 | %100 |
| 77 | MP4A | X | -1.469 | -1.469 | 0 | %100 |
| 78 | MP4A | Z | 2.544 | 2.544 | 0 | %100 |
| 79 | MP2A | X | -1.469 | -1.469 | 0 | %100 |
| 80 | MP2A | Z | 2.544 | 2.544 | 0 | %100 |
| 81 | M55 | X | -1.196 | -1.196 | 0 | %100 |
| 82 | M55 | Z | 2.072 | 2.072 | 0 | %100 |

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

| 1 M1 X 59 59 0 %100 3 M3 X 59 59 0 %100 4 M3 Z .341 .341 0 %100 5 M5 X 068 068 0 %100 6 M5 Z .039 .039 0 %100 7 M6 X 882 882 0 %100 8 M6 Z .509 .509 0 %100 9 M7 X 703 703 0 %100 10 M7 Z .406 .406 0 %100 11 M8 X 068 068 0 %100 12 M8 Z .039 .039 0 %100 13 M9 X 882 882 0 %100 15 M10 X 703 | | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|--|----|--------------|-----------|------------------------|-------------------------|-----------------------|--------------------|
| 3 M3 X 59 59 0 %100 4 M3 Z .341 .341 0 %100 5 M5 X 068 068 0 %100 6 M5 Z .039 .039 0 %100 7 M6 X 882 882 0 %100 8 M6 Z .509 .509 0 %100 9 M7 X 703 703 0 %100 10 M7 Z .406 .406 0 %100 11 M8 X 068 068 0 %100 12 M8 Z .039 .039 0 %100 13 M9 X 882 882 0 %100 14 M9 Z .509 .509 0 %100 15 M10 X 70 | | | X | | | 0 | |
| 4 M3 Z .341 .341 0 %100 5 M5 X .068 .068 0 %100 6 M5 Z .039 .039 0 %100 7 M6 X .382 .882 0 %100 8 M6 Z .509 .509 0 %4100 9 M7 X .703 .703 0 %100 10 M7 Z .406 .406 0 %4100 11 M8 X .088 .068 0 %4100 12 M8 Z .039 .039 0 %4100 13 M9 X .882 .882 0 %100 14 M9 Z .509 .509 0 %100 15 M10 X .703 .703 0 %100 15 M10 X .703 <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td></td> | | | | | | 0 | |
| 5 M5 X -,068 -,068 0 %100 6 M5 Z ,039 ,039 0 %100 7 M6 X -,882 -,882 0 %100 8 M6 Z ,509 ,509 0 %100 9 M7 X -,703 -,703 0 %100 10 M7 Z ,406 ,406 0 %100 11 M8 X -,068 -,068 0 %100 12 M8 Z ,039 ,039 0 %1100 13 M9 X -,882 -,882 0 %100 14 M9 Z ,509 ,509 0 %100 15 M10 X -,703 -,703 0 %100 17 OVP X -,183 -,183 0 %100 18 OVP Z | 3 | | | | | 0 | |
| 6 M5 Z 0.039 0.039 0 %100 7 M6 X 882 882 0 %100 8 M6 Z .509 .509 0 %100 9 M7 X 703 703 0 %100 10 M7 Z 406 406 0 %1100 11 M8 X 068 068 0 %1100 12 M8 X 068 068 0 %1100 13 M9 X 882 882 0 %1100 14 M9 Z .509 .509 0 %1100 15 M10 X 703 703 0 %1100 15 M10 X 703 703 0 %100 17 OVP X 183 183 0 %100 18 OVP Z <td>4</td> <td>M3</td> <td></td> <td>.341</td> <td>.341</td> <td>0</td> <td>%100</td> | 4 | M3 | | .341 | .341 | 0 | %100 |
| 7 M6 X 882 882 0 %100 8 M6 Z .509 .509 0 %100 9 M7 X 703 703 0 %100 10 M7 Z .406 .406 0 %100 11 M8 X 068 068 0 %100 11 M8 X 068 068 0 %100 12 M8 Z .039 .039 0 %100 13 M9 X 882 882 0 %100 14 M9 Z .509 .509 0 %100 15 M10 X 703 703 0 %100 15 M10 X 703 703 0 %100 16 M10 Z .406 .406 0 %100 17 OVP X | 5 | | X | | | 0 | |
| 8 M6 Z 509 509 0 %100 9 M7 X 703 703 0 %100 10 M7 Z .406 .406 0 %100 11 M8 X 068 068 0 %100 12 M8 Z .039 .039 0 %100 13 M9 X 882 882 0 %100 14 M9 Z .509 .509 0 %100 15 M10 X 703 703 0 %100 15 M10 X 703 703 0 %100 15 M10 X 703 703 0 %100 16 M10 Z .406 .406 0 %100 17 OVP X 183 183 0 %100 18 OVP Z | 6 | M5 | Z | .039 | .039 | 0 | %100 |
| 9 M7 X 703 703 0 %100 10 M7 Z 406 .406 0 %100 11 M8 X 068 0 %100 12 M8 Z .039 .039 0 %100 13 M9 X 882 882 0 %100 14 M9 Z .509 .509 0 %100 15 M10 X 703 703 0 %100 16 M10 Z .406 .406 0 %100 16 M10 Z .406 .406 0 %100 17 OVP X 183 183 0 %100 18 OVP Z .106 .106 0 %100 20 M12 X -2.386 -2.386 0 %100 21 M13 X 183 | 7 | M6 | | 882 | 882 | 0 | %100 |
| 10 M7 Z 406 .406 0 %100 11 M8 X .068 068 0 %100 12 M8 Z .039 .039 0 %100 13 M9 X .882 882 0 %100 14 M9 Z .509 .509 0 %100 15 M10 X .703 703 0 %100 16 M10 Z .406 .406 0 %100 16 M10 Z .406 .406 0 %100 17 OVP X 183 183 0 %100 19 M12 X -2.386 -2.386 0 %100 20 M12 Z 1.378 1.378 0 %100 21 M13 X -183 -183 0 %100 22 M13 Z | | | | | | 0 | |
| 111 M8 X 068 068 0 %100 12 M8 Z .039 .039 0 %100 13 M9 X 882 882 0 %100 14 M9 Z .509 .509 0 %100 15 M10 X 703 703 0 %100 16 M10 Z .406 .406 0 %100 16 M10 Z .406 .406 0 %100 17 OVP X 183 183 0 %100 18 OVP Z .106 .106 0 %100 19 M12 X 2386 -2.386 0 %100 20 M12 Z 1.378 1.378 0 %100 21 M13 X 183 183 0 %100 22 M13 Z | | M7 | X | 703 | 703 | 0 | %100 |
| 12 M8 Z .039 .039 0 %100 13 M9 X 882 882 0 %100 14 M9 Z .509 .509 0 %100 15 M10 X 703 703 0 %100 16 M10 Z .406 .406 0 %100 17 OVP X 183 183 0 %100 18 OVP Z .106 .106 0 %100 19 M12 X -2.386 -2.386 0 %100 20 M12 Z 1.378 1.378 0 %100 21 M13 X 183 183 0 %100 22 M13 Z 1.06 .106 0 %100 23 M14 X -2.386 -2.386 0 %100 24 M14 <td< td=""><td>10</td><td></td><td></td><td>.406</td><td>.406</td><td>0</td><td></td></td<> | 10 | | | .406 | .406 | 0 | |
| 13 M9 X 882 882 0 %100 14 M9 Z .509 .509 0 %100 15 M10 X 703 703 0 %100 16 M10 Z .406 .406 0 %100 17 OVP X 183 183 0 %100 18 OVP Z .106 .106 0 %100 19 M12 X -2.386 -2.386 0 %100 20 M12 Z 1.378 1.378 0 %100 21 M13 X 183 183 0 %100 21 M13 X 183 183 0 %100 23 M14 X -2.386 -2.386 0 %100 24 M14 X -2.386 -2.386 0 %100 25 M15 | | M8 | X | 068 | 068 | 0 | %100 |
| 14 M9 Z .509 .509 0 %100 15 M10 X 703 703 0 %100 16 M10 Z 406 406 0 %100 17 OVP X 183 183 0 %100 18 OVP Z .106 .106 0 %100 19 M12 X -2.386 -2.386 0 %100 20 M12 Z 1.378 1.378 0 %100 21 M13 X 183 183 0 %100 22 M13 Z .106 .106 0 %100 23 M14 X -2.386 -2.386 0 %100 23 M14 X -2.386 -2.386 0 %100 25 M15 X -2.003 -2.003 0 %100 26 M15 | 12 | M8 | | .039 | .039 | 0 | %100 |
| 15 M10 X 703 703 0 %100 16 M10 Z .406 .406 0 %100 17 OVP X 183 183 0 %100 18 OVP Z .106 .106 0 %100 19 M12 X -2.386 -2.386 0 %100 20 M12 Z 1.378 1.378 0 %100 21 M13 X 183 183 0 %100 22 M13 Z .106 .106 0 %100 23 M14 X -2.386 -2.386 0 %100 24 M14 Z 1.378 1.378 0 %100 24 M14 Z 1.378 1.378 0 %100 25 M15 X -2.036 -2.386 0 %100 26 M15 | 13 | M9 | | 882 | 882 | 0 | %100 |
| 16 M10 Z .406 .406 0 %100 17 OVP X 183 183 0 %100 18 OVP Z .106 .106 0 %100 19 M12 X -2.386 -2.386 0 %100 20 M12 Z 1.378 1.378 0 %100 21 M13 X 183 183 0 %100 21 M13 X 183 183 0 %100 22 M13 Z .106 .06 0 %100 23 M14 X -2.386 -2.386 0 %100 24 M14 Z 1.378 1.378 0 %100 25 M15 X -2.003 -2.003 0 %100 26 M15 Z 1.156 1.156 0 %100 28 M16 | 14 | M9 | Z | .509 | .509 | 0 | %100 |
| 17 OVP X 183 183 0 %100 18 OVP Z .106 .106 0 %100 19 M12 X -2.386 -2.386 0 %100 20 M12 Z 1.378 1.378 0 %100 21 M13 X 183 183 0 %100 22 M13 Z .106 .106 0 %100 23 M14 X -2.386 -2.386 0 %100 24 M14 Z 1.378 1.378 0 %100 24 M14 Z 1.378 1.378 0 %100 26 M15 X -2.036 -2.003 0 %100 27 M16 X -1.815 -1.815 0 %100 28 M16 Z 1.048 1.048 0 %100 29 M17 <td>15</td> <td>M10</td> <td>X</td> <td>703</td> <td>703</td> <td>0</td> <td>%100</td> | 15 | M10 | X | 703 | 703 | 0 | %100 |
| 18 OVP Z .106 .106 0 %100 19 M12 X -2.386 -2.386 0 %100 20 M12 Z 1.378 1.378 0 %100 21 M13 X 183 183 0 %100 22 M13 Z .106 .106 0 %100 23 M14 X -2.386 -2.386 0 %100 24 M14 Z 1.378 1.378 0 %100 24 M14 Z 1.378 1.378 0 %100 25 M15 X -2.003 -2.003 0 %100 26 M15 Z 1.156 1.156 0 %100 27 M16 X -1.815 -1.815 0 %100 28 M16 Z 1.048 1.048 0 %100 29 M17 <td>16</td> <td>M10</td> <td></td> <td>.406</td> <td>.406</td> <td>0</td> <td>%100</td> | 16 | M10 | | .406 | .406 | 0 | %100 |
| 19 M12 X -2.386 -2.386 0 %100 20 M12 Z 1.378 1.378 0 %100 21 M13 X 183 183 0 %100 22 M13 Z .106 .106 0 %100 23 M14 X -2.386 -2.386 0 %100 24 M14 Z 1.378 1.378 0 %100 24 M14 Z 1.378 1.378 0 %100 25 M15 X -2.003 -2.003 0 %100 26 M15 Z 1.156 1.156 0 %100 27 M16 X -1.815 0 %100 28 M16 Z 1.048 1.048 0 %100 29 M17 X -2.003 -2.003 0 %100 30 M17 Z | 17 | OVP | X | 183 | 183 | 0 | %100 |
| 20 M12 Z 1.378 1.378 0 %100 21 M13 X 183 183 0 %100 22 M13 Z .106 .106 0 %100 23 M14 X -2.386 -2.386 0 %100 24 M14 Z 1.378 1.378 0 %100 25 M15 X -2.003 -2.003 0 %100 26 M15 X -2.003 -2.003 0 %100 27 M16 X -1.815 -1.815 0 %100 28 M16 Z 1.048 1.048 0 %100 29 M17 X -2.003 -2.003 0 %100 30 M17 Z 1.156 1.156 0 %100 31 M18 X -1.815 -1.815 0 %100 32 M | 18 | OVP | Z | .106 | .106 | 0 | %100 |
| 21 M13 X 183 183 0 %100 22 M13 Z .106 .106 0 %100 23 M14 X -2.386 -2.386 0 %100 24 M14 Z 1.378 1.378 0 %100 24 M14 Z 1.378 1.378 0 %100 25 M15 X -2.003 -2.003 0 %100 26 M15 Z 1.156 1.156 0 %100 27 M16 X -1.815 -1.815 0 %100 28 M16 Z 1.048 1.048 0 %100 29 M17 X -2.003 -2.003 0 %100 30 M17 Z 1.156 1.156 0 %100 31 M18 X -1.815 0 %100 32 M18 Z | 19 | M12 | X | -2.386 | -2.386 | 0 | %100 |
| 22 M13 Z .106 .106 0 %100 23 M14 X -2.386 -2.386 0 %100 24 M14 Z 1.378 1.378 0 %100 25 M15 X -2.003 -2.003 0 %100 26 M15 Z 1.156 1.156 0 %100 27 M16 X -1.815 0 %100 28 M16 Z 1.048 1.048 0 %100 28 M16 Z 1.048 1.048 0 %100 30 M17 X -2.003 -2.003 0 %100 30 M17 Z 1.156 1.156 0 %100 31 M18 X -1.815 -1.815 0 %100 32 M18 Z 1.048 1.048 0 %100 33 M19 X | 20 | M12 | Z | 1.378 | 1.378 | 0 | %100 |
| 23 M14 X -2.386 -2.386 0 %100 24 M14 Z 1.378 1.378 0 %100 25 M15 X -2.003 -2.003 0 %100 26 M15 Z 1.156 1.156 0 %100 27 M16 X -1.815 0 %100 28 M16 Z 1.048 0 %100 28 M16 Z 1.048 0 %100 29 M17 X -2.003 -2.003 0 %100 30 M17 Z 1.156 1.156 0 %100 31 M18 X -1.815 -1.815 0 %100 32 M18 X -1.815 -1.815 0 %100 33 M19 X -2.013 -2.013 0 %100 34 M19 X -2.003 -2. | 21 | M13 | X | 183 | 183 | 0 | %100 |
| 24 M14 Z 1.378 1.378 0 %100 25 M15 X -2.003 -2.003 0 %100 26 M15 Z 1.156 1.156 0 %100 27 M16 X -1.815 -1.815 0 %100 28 M16 Z 1.048 1.048 0 %100 29 M17 X -2.003 -2.003 0 %100 30 M17 Z 1.156 1.156 0 %100 31 M18 X -1.815 -1.815 0 %100 31 M18 X -1.815 -1.815 0 %100 32 M18 Z 1.048 1.048 0 %100 33 M19 X -2.013 -2.013 0 %100 34 M19 X -2.013 -2.003 0 %100 35 < | 22 | M13 | Z | .106 | .106 | 0 | %100 |
| 25 M15 X -2.003 -2.003 0 %100 26 M15 Z 1.156 1.156 0 %100 27 M16 X -1.815 -1.815 0 %100 28 M16 Z 1.048 1.048 0 %100 29 M17 X -2.003 -2.003 0 %100 30 M17 Z 1.156 1.156 0 %100 31 M18 X -1.815 -1.815 0 %100 32 M18 Z 1.048 1.048 0 %100 33 M19 X -2.013 -2.013 0 %100 34 M19 X -2.013 -2.013 0 %100 36 M20 X -2.003 -2.003 0 %100 36 M20 Z 1.156 1.156 0 %100 37 < | 23 | M14 | X | -2.386 | -2.386 | 0 | %100 |
| 26 M15 Z 1.156 1.156 0 %100 27 M16 X -1.815 -1.815 0 %100 28 M16 Z 1.048 1.048 0 %100 29 M17 X -2.003 -2.003 0 %100 30 M17 Z 1.156 1.156 0 %100 31 M18 X -1.815 -1.815 0 %100 32 M18 X -1.815 -1.815 0 %100 33 M19 X -2.013 -2.013 0 %100 34 M19 X -2.013 -2.013 0 %100 35 M20 X -2.003 -2.003 0 %100 36 M20 X -2.003 -2.003 0 %100 37 M21 X -2.003 -2.003 0 %100 38 | 24 | M14 | Z | 1.378 | 1.378 | 0 | %100 |
| 27 M16 X -1.815 -1.815 0 %100 28 M16 Z 1.048 1.048 0 %100 29 M17 X -2.003 -2.003 0 %100 30 M17 Z 1.156 1.156 0 %100 31 M18 X -1.815 -1.815 0 %100 32 M18 Z 1.048 1.048 0 %100 33 M19 X -2.013 -2.013 0 %100 34 M19 Z 1.162 1.162 0 %100 35 M20 X -2.003 -2.003 0 %100 36 M20 Z 1.156 1.156 0 %100 37 M21 X -2.003 -2.003 0 %100 38 M21 Z 1.156 1.156 0 %100 39 M22 X -1.731 -1.731 0 %100 40 M22 <td>25</td> <td>M15</td> <td></td> <td>-2.003</td> <td>-2.003</td> <td>0</td> <td>%100</td> | 25 | M15 | | -2.003 | -2.003 | 0 | %100 |
| 28 M16 Z 1.048 1.048 0 %100 29 M17 X -2.003 -2.003 0 %100 30 M17 Z 1.156 1.156 0 %100 31 M18 X -1.815 -1.815 0 %100 32 M18 Z 1.048 1.048 0 %100 33 M19 X -2.013 -2.013 0 %100 34 M19 Z 1.162 1.162 0 %100 35 M20 X -2.003 -2.003 0 %100 36 M20 Z 1.156 1.156 0 %100 37 M21 X -2.003 -2.003 0 %100 38 M21 Z 1.156 1.156 0 %100 39 M22 X -1.731 -1.731 0 %100 40 <td< td=""><td>26</td><td>M15</td><td>Z</td><td>1.156</td><td>1.156</td><td>0</td><td>%100</td></td<> | 26 | M15 | Z | 1.156 | 1.156 | 0 | %100 |
| 29 M17 X -2.003 -2.003 0 %100 30 M17 Z 1.156 1.156 0 %100 31 M18 X -1.815 -1.815 0 %100 32 M18 Z 1.048 1.048 0 %100 33 M19 X -2.013 -2.013 0 %100 34 M19 Z 1.162 1.162 0 %100 35 M20 X -2.003 -2.003 0 %100 36 M20 Z 1.156 1.156 0 %100 37 M21 X -2.003 -2.003 0 %100 38 M21 Z 1.156 1.156 0 %100 39 M22 X -1.731 -1.731 0 %100 40 M22 Z 1 1 0 %100 | 27 | M16 | X | -1.815 | -1.815 | 0 | %100 |
| 30 M17 Z 1.156 1.156 0 %100 31 M18 X -1.815 -1.815 0 %100 32 M18 Z 1.048 1.048 0 %100 33 M19 X -2.013 -2.013 0 %100 34 M19 Z 1.162 1.162 0 %100 35 M20 X -2.003 -2.003 0 %100 36 M20 Z 1.156 1.156 0 %100 37 M21 X -2.003 -2.003 0 %100 38 M21 Z 1.156 1.156 0 %100 39 M22 X -1.731 -1.731 0 %100 40 M22 Z 1 1 0 %100 | 28 | M16 | | 1.048 | 1.048 | 0 | %100 |
| 31 M18 X -1.815 -1.815 0 %100 32 M18 Z 1.048 1.048 0 %100 33 M19 X -2.013 -2.013 0 %100 34 M19 Z 1.162 1.162 0 %100 35 M20 X -2.003 -2.003 0 %100 36 M20 Z 1.156 1.156 0 %100 37 M21 X -2.003 -2.003 0 %100 38 M21 Z 1.156 1.156 0 %100 39 M22 X -1.731 -1.731 0 %100 40 M22 Z 1 1 0 %100 | 29 | M17 | | -2.003 | -2.003 | 0 | %100 |
| 32 M18 Z 1.048 1.048 0 %100 33 M19 X -2.013 -2.013 0 %100 34 M19 Z 1.162 1.162 0 %100 35 M20 X -2.003 -2.003 0 %100 36 M20 Z 1.156 1.156 0 %100 37 M21 X -2.003 -2.003 0 %100 38 M21 Z 1.156 1.156 0 %100 39 M22 X -1.731 -1.731 0 %100 40 M22 Z 1 1 0 %100 | 30 | M17 | Z | 1.156 | 1.156 | 0 | %100 |
| 33 M19 X -2.013 -2.013 0 %100 34 M19 Z 1.162 1.162 0 %100 35 M20 X -2.003 -2.003 0 %100 36 M20 Z 1.156 1.156 0 %100 37 M21 X -2.003 -2.003 0 %100 38 M21 Z 1.156 1.156 0 %100 39 M22 X -1.731 -1.731 0 %100 40 M22 Z 1 1 0 %100 | | M18 | X | -1.815 | -1.815 | 0 | |
| 34 M19 Z 1.162 1.162 0 %100 35 M20 X -2.003 -2.003 0 %100 36 M20 Z 1.156 1.156 0 %100 37 M21 X -2.003 -2.003 0 %100 38 M21 Z 1.156 1.156 0 %100 39 M22 X -1.731 -1.731 0 %100 40 M22 Z 1 1 0 %100 | | M18 | | | 1.048 | 0 | %100 |
| 35 M20 X -2.003 -2.003 0 %100 36 M20 Z 1.156 1.156 0 %100 37 M21 X -2.003 -2.003 0 %100 38 M21 Z 1.156 1.156 0 %100 39 M22 X -1.731 -1.731 0 %100 40 M22 Z 1 1 0 %100 | 33 | M19 | | -2.013 | -2.013 | 0 | %100 |
| 36 M20 Z 1.156 0 %100 37 M21 X -2.003 -2.003 0 %100 38 M21 Z 1.156 1.156 0 %100 39 M22 X -1.731 -1.731 0 %100 40 M22 Z 1 1 0 %100 | | M19 | | 1.162 | 1.162 | 0 | %100 |
| 37 M21 X -2.003 -2.003 0 %100 38 M21 Z 1.156 1.156 0 %100 39 M22 X -1.731 -1.731 0 %100 40 M22 Z 1 1 0 %100 | 35 | M20 | X | -2.003 | -2.003 | 0 | %100 |
| 38 M21 Z 1.156 0 %100 39 M22 X -1.731 -1.731 0 %100 40 M22 Z 1 1 0 %100 | 36 | M20 | Z | 1.156 | 1.156 | 0 | %100 |
| 39 M22 X -1.731 -1.731 0 %100 40 M22 Z 1 1 0 %100 | 37 | M21 | | -2.003 | -2.003 | 0 | %100 |
| 40 M22 Z 1 1 0 %100 | 38 | M21 | Z | 1.156 | 1.156 | 0 | %100 |
| 40 M22 Z 1 1 0 %100 | 39 | M22 | | -1.731 | -1.731 | 0 | %100 |
| 41 M23 X -1.731 -1.731 0 %100 | 40 | M22 | Z | 1 | 1 | 0 | %100 |
| | 41 | M23 | X | -1.731 | -1.731 | 0 | %100 |

Company : Maser Consulting

Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 42 | M23 | Z | 1 | 1 | 0 | %100 |
| 43 | M24 | X | -2.024 | -2.024 | 0 | %100 |
| 44 | M24 | Z | 1.169 | 1.169 | 0 | %100 |
| 45 | M25 | X | -2.013 | -2.013 | 0 | %100 |
| 46 | M25 | Z | 1.162 | 1.162 | 0 | %100 |
| 47 | M26 | X | -2.003 | -2.003 | 0 | %100 |
| 48 | M26 | Z | 1.156 | 1.156 | 0 | %100 |
| 49 | M27 | X | -1.28 | -1.28 | 0 | %100 |
| 50 | M27 | Z | .739 | .739 | 0 | %100 |
| 51 | M28 | X | -2.003 | -2.003 | 0 | %100 |
| 52 | M28 | Z | 1.156 | 1.156 | 0 | %100 |
| 53 | M29 | X | -1.28 | -1.28 | 0 | %100 |
| 54 | M29 | Z | .739 | .739 | 0 | %100 |
| 55 | M30 | X | -2.013 | -2.013 | 0 | %100 |
| 56 | M30 | Z | 1.162 | 1.162 | 0 | %100 |
| 57 | M31 | X | -2.003 | -2.003 | 0 | %100 |
| 58 | M31 | Z | 1.156 | 1.156 | 0 | %100 |
| 59 | M32 | X | -2.003 | -2.003 | 0 | %100 |
| 60 | M32 | Z | 1.156 | 1.156 | 0 | %100 |
| 61 | M33 | X | -1.731 | -1.731 | 0 | %100 |
| 62 | M33 | Z | 1 | 1 | 0 | %100 |
| 63 | M34 | X | -1.731 | -1.731 | 0 | %100 |
| 64 | M34 | Z | 1 | 1 | 0 | %100 |
| 65 | M35 | X | -2.024 | -2.024 | 0 | %100 |
| 66 | M35 | Z | 1.169 | 1.169 | 0 | %100 |
| 67 | M36 | X | -2.013 | -2.013 | 0 | %100 |
| 68 | M36 | Z | 1.162 | 1.162 | 0 | %100 |
| 69 | MP6A | X | -2.544 | -2.544 | 0 | %100 |
| 70 | MP6A | Z | 1.469 | 1.469 | 0 | %100 |
| 71 | MP5A | X | -2.544 | -2.544 | 0 | %100 |
| 72 | MP5A | Z | 1.469 | 1.469 | 0 | %100 |
| 73 | MP3A | Χ | -2.813 | -2.813 | 0 | %100 |
| 74 | MP3A | Z | 1.624 | 1.624 | 0 | %100 |
| 75 | MP1A | X | -2.544 | -2.544 | 0 | %100 |
| 76 | MP1A | Z | 1.469 | 1.469 | 0 | %100 |
| 77 | MP4A | X | -2.544 | -2.544 | 0 | %100 |
| 78 | MP4A | Z | 1.469 | 1.469 | 0 | %100 |
| 79 | MP2A | X | -2.544 | -2.544 | 0 | %100 |
| 80 | MP2A | Z | 1.469 | 1.469 | 0 | %100 |
| 81 | M55 | X | -3.109 | -3.109 | 0 | %100 |
| 82 | M55 | Z | 1.795 | 1.795 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|----------------------|--------------------|
| 1 | M1 | X | 0 | 0 | 0 | %100 |
| 2 | M1 | Z | 0 | 0 | 0 | %100 |
| 3 | M3 | X | 0 | 0 | 0 | %100 |
| 4 | M3 | Z | 0 | 0 | 0 | %100 |
| 5 | M5 | X | 553 | 553 | 0 | %100 |
| 6 | M5 | Z | 0 | 0 | 0 | %100 |
| 7 | M6 | X | 553 | 553 | 0 | %100 |
| 8 | M6 | Z | 0 | 0 | 0 | %100 |
| 9 | M7 | X | 0 | 0 | 0 | %100 |
| 10 | M7 | Z | 0 | 0 | 0 | %100 |
| 11 | M8 | X | 553 | 553 | 0 | %100 |
| 12 | M8 | Z | 0 | 0 | 0 | %100 |

Company Designer Job Number : NL : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | Start Location[in,%] | |
|----|--------------|-----------|------------------------|-------------------------|----------------------|--------------|
| 13 | M9 | X | 553 | 553 | 0 | %100 |
| 14 | M9 | Z | 0 | 0 | 0 | %100 |
| 15 | M10 | X | 0 | 0 | 0 | %100 |
| 16 | M10 | Z | 0 | 0 | 0 | %100 |
| 17 | OVP | X | -1.497 | -1.497 | 0 | %100 |
| 18 | OVP | Z | 0 | 0 | 0 | %100 |
| 19 | M12 | X | -1.497 | -1.497 | 0 | %100 |
| 20 | M12 | Z | 0 | 0 | 0 | %100 |
| 21 | M13 | X | -1.497 | -1.497 | 0 | %100 |
| 22 | M13 | Z | 0 | 0 | Ö | %100 |
| 23 | M14 | X | -1.497 | -1.497 | 0 | %100 %100 |
| 24 | M14 | Z | 0 | 0 | 0 | %100 %100 |
| 25 | M15 | X | -2.717 | -2.717 | 0 | %100 %100 |
| 26 | M15 | Z | 0 | 0 | 0 | %100 %100 |
| 27 | M16 | X | -1.79 | -1.79 | 0 | %100 %100 |
| 28 | | Z | 0 | 0 | 0 | %100 %100 |
| | M16 | | | | | |
| 29 | M17 | X | -2.717 | -2.717 | 0 | %100 |
| 30 | M17 | Z | 0 | 0 | 0 | %100 |
| 31 | M18 | X | -1.79 | -1.79 | 0 | %100 |
| 32 | M18 | Z | 0 | 0 | 0 | %100 |
| 33 | M19 | X | -2.717 | -2.717 | 0 | %100 |
| 34 | M19 | Z | 0 | 0 | 0 | %100 |
| 35 | M20 | X | -2.717 | -2.717 | 0 | %100 |
| 36 | M20 | Z | 0 | 0 | 0 | %100 |
| 37 | M21 | X | -2.717 | -2.717 | 0 | %100 |
| 38 | M21 | Z | 0 | 0 | 0 | %100 |
| 39 | M22 | X | -1.999 | -1.999 | 0 | %100 |
| 40 | M22 | Z | 0 | 0 | 0 | %100 |
| 41 | M23 | X | -1.999 | -1.999 | 0 | %100 |
| 42 | M23 | Z | 0 | 0 | 0 | %100 |
| 43 | M24 | X | -2.337 | -2.337 | 0 | %100 |
| 44 | M24 | Z | 0 | 0 | 0 | %100 |
| 45 | M25 | X | -2.717 | -2.717 | 0 | %100 |
| 46 | M25 | Z | 0 | 0 | 0 | %100 |
| 47 | M26 | X | -2.717 | -2.717 | 0 | %100 |
| 48 | M26 | Z | 0 | 0 | 0 | %100 |
| 49 | M27 | X | -1.79 | -1.79 | 0 | %100 |
| 50 | M27 | Z | 0 | 0 | Ö | %100 %100 |
| 51 | M28 | X | -2.717 | -2.717 | 0 | %100 |
| 52 | M28 | Z | 0 | 0 | 0 | %100 %100 |
| 53 | M29 | X | -1.79 | -1.79 | 0 | %100 |
| 54 | M29 | Z | 0 | 0 | 0 | %100 %100 |
| 55 | M30 | X | -2.717 | -2.717 | 0 | %100 %100 |
| 56 | M30 | Z | -2.717 | 0 | 0 | %100 %100 |
| 57 | M31 | X | -2.717 | -2.717 | 0 | %100 %100 |
| 58 | M31 | Z | -2.717 | -2.717 | 0 | %100 %100 |
| | | | | | | |
| 59 | M32 | X | -2.717 | -2.717 | 0 | %100 |
| 60 | M32 | Z | 0 | 0 | 0 | %100 |
| 61 | M33 | X | -1.999 | -1.999 | 0 | %100 |
| 62 | M33 | Z | 0 | 0 | 0 | %100 |
| 63 | M34 | X | -1.999 | -1.999 | 0 | %100 |
| 64 | M34 | Z | 0 | 0 | 0 | %100 |
| 65 | M35 | X | -2.337 | -2.337 | 0 | %100 |
| 66 | M35 | Z | 0 | 0 | 0 | %100 |
| 67 | M36 | X | -2.717 | -2.717 | 0 | %100 |
| 68 | M36 | Z | 0 | 0 | 0 | %100 |
| 69 | MP6A | X | -2.938 | -2.938 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 70 | MP6A | Z | 0 | 0 | 0 | %100 |
| 71 | MP5A | X | -2.938 | -2.938 | 0 | %100 |
| 72 | MP5A | Z | 0 | 0 | 0 | %100 |
| 73 | MP3A | X | -3.249 | -3.249 | 0 | %100 |
| 74 | MP3A | Z | 0 | 0 | 0 | %100 |
| 75 | MP1A | X | -2.938 | -2.938 | 0 | %100 |
| 76 | MP1A | Z | 0 | 0 | 0 | %100 |
| 77 | MP4A | X | -2.938 | -2.938 | 0 | %100 |
| 78 | MP4A | Z | 0 | 0 | 0 | %100 |
| 79 | MP2A | X | -2.938 | -2.938 | 0 | %100 |
| 80 | MP2A | Z | 0 | 0 | 0 | %100 |
| 81 | M55 | X | -3.09 | -3.09 | 0 | %100 |
| 82 | M55 | 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,F | Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|----------------------|--------------------|
| 1 | M1 | X | 59 | 59 | 0 | %100 |
| 2 | M1 | Z | 341 | 341 | 0 | %100 |
| 3 | M3 | X | 59 | 59 | 0 | %100 |
| 4 | M3 | Z | 341 | 341 | 0 | %100 |
| 5 | M5 | X | 882 | 882 | 0 | %100 |
| 6 | M5 | Z | 509 | 509 | 0 | %100 |
| 7 | M6 | X | 068 | 068 | 0 | %100 |
| 8 | M6 | Z | 039 | 039 | 0 | %100 |
| 9 | M7 | X | 703 | 703 | 0 | %100 |
| 10 | M7 | Z | 406 | 406 | 0 | %100 |
| 11 | M8 | X | 882 | 882 | 0 | %100 |
| 12 | M8 | Z | 509 | 509 | 0 | %100 |
| 13 | M9 | X | 068 | 068 | 0 | %100 |
| 14 | M9 | Z | 039 | 039 | 0 | %100 |
| 15 | M10 | X | 703 | 703 | 0 | %100 |
| 16 | M10 | Z | 406 | 406 | 0 | %100 |
| 17 | OVP | X | -2.386 | -2.386 | 0 | %100 |
| 18 | OVP | Z | -1.378 | -1.378 | 0 | %100 |
| 19 | M12 | X | 183 | 183 | 0 | %100 |
| 20 | M12 | Z | 106 | 106 | 0 | %100 |
| 21 | M13 | X | -2.386 | -2.386 | 0 | %100 |
| 22 | M13 | Z | -1.378 | -1.378 | 0 | %100 |
| 23 | M14 | X | 183 | 183 | 0 | %100 |
| 24 | M14 | Z | 106 | 106 | 0 | %100 |
| 25 | M15 | X | -2.003 | -2.003 | 0 | %100 |
| 26 | M15 | Z | -1.156 | -1.156 | 0 | %100 |
| 27 | M16 | X | -1.28 | -1.28 | 0 | %100 |
| 28 | M16 | Z | 739 | 739 | 0 | %100 |
| 29 | M17 | X | -2.003 | -2.003 | 0 | %100 |
| 30 | M17 | Z | -1.156 | -1.156 | 0 | %100 |
| 31 | M18 | X | -1.28 | -1.28 | 0 | %100 |
| 32 | M18 | Z | 739 | 739 | 0 | %100 |
| 33 | M19 | X | -2.013 | -2.013 | 0 | %100 |
| 34 | M19 | Z | -1.162 | -1.162 | 0 | %100 |
| 35 | M20 | X | -2.003 | -2.003 | 0 | %100 |
| 36 | M20 | Z | -1.156 | -1.156 | 0 | %100 |
| 37 | M21 | X | -2.003 | -2.003 | 0 | %100 |
| 38 | M21 | Z | -1.156 | -1.156 | 0 | %100 |
| 39 | M22 | | -1.731 | -1.731 | 0 | %100 |
| 40 | M22 | X Z | -1 | -1 | 0 | %100 |
| | | | | | | |

Company Designer : NL

Job Number 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|----------------------|--------------------|
| 41 | M23 | X | -1.731 | -1.731 | 0 | %100 |
| 42 | M23 | Z | -1 | -1 | 0 | %100 |
| 43 | M24 | X | -2.024 | -2.024 | 0 | %100 |
| 44 | M24 | Z | -1.169 | -1.169 | 0 | %100 |
| 45 | M25 | X | -2.013 | -2.013 | 0 | %100 |
| 46 | M25 | Z | -1.162 | -1.162 | 0 | %100 |
| 47 | M26 | X | -2.003 | -2.003 | 0 | %100 |
| 48 | M26 | Z | -1.156 | -1.156 | 0 | %100 |
| 49 | M27 | X | -1.815 | -1.815 | 0 | %100 |
| 50 | M27 | Z | -1.048 | -1.048 | 0 | %100 |
| 51 | M28 | X | -2.003 | -2.003 | 0 | %100 |
| 52 | M28 | Z | -1.156 | -1.156 | 0 | %100 |
| 53 | M29 | X | -1.815 | -1.815 | 0 | %100 |
| 54 | M29 | Z | -1.048 | -1.048 | 0 | %100 |
| 55 | M30 | X | -2.013 | -2.013 | 0 | %100 |
| 56 | M30 | Z | -1.162 | -1.162 | 0 | %100 |
| 57 | M31 | X | -2.003 | -2.003 | 0 | %100 |
| 58 | M31 | Z | -1.156 | -1.156 | 0 | %100 |
| 59 | M32 | X | -2.003 | -2.003 | 0 | %100 |
| 60 | M32 | Z | -1.156 | -1.156 | 0 | %100 |
| 61 | M33 | X | -1.731 | -1.731 | 0 | %100 |
| 62 | M33 | Z | -1 | -1 | 0 | %100 |
| 63 | M34 | X | -1.731 | -1.731 | 0 | %100 |
| 64 | M34 | Z | -1 | -1 | 0 | %100 |
| 65 | M35 | X | -2.024 | -2.024 | 0 | %100 |
| 66 | M35 | Z | -1.169 | -1.169 | 0 | %100 |
| 67 | M36 | X | -2.013 | -2.013 | 0 | %100 |
| 68 | M36 | Z | -1.162 | -1.162 | 0 | %100 |
| 69 | MP6A | X | -2.544 | -2.544 | 0 | %100 |
| 70 | MP6A | Z | -1.469 | -1.469 | 0 | %100 |
| 71 | MP5A | X | -2.544 | -2.544 | 0 | %100 |
| 72 | MP5A | Z | -1.469 | -1.469 | 0 | %100 |
| 73 | MP3A | X | -2.813 | -2.813 | 0 | %100 |
| 74 | MP3A | Z | -1.624 | -1.624 | 0 | %100 |
| 75 | MP1A | X | -2.544 | -2.544 | 0 | %100 |
| 76 | MP1A | Z | -1.469 | -1.469 | 0 | %100 |
| 77 | MP4A | X | -2.544 | -2.544 | 0 | %100 |
| 78 | MP4A | Z | -1.469 | -1.469 | 0 | %100 |
| 79 | MP2A | Χ | -2.544 | -2.544 | 0 | %100 |
| 80 | MP2A | Z | -1.469 | -1.469 | 0 | %100 |
| 81 | M55 | X | -1.205 | -1.205 | 0 | %100 |
| 82 | M55 | Z | 696 | 696 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 1 | M1 | X | -1.023 | -1.023 | 0 | %100 |
| 2 | M1 | Z | -1.771 | -1.771 | 0 | %100 |
| 3 | M3 | X | -1.023 | -1.023 | 0 | %100 |
| 4 | M3 | Z | -1.771 | -1.771 | 0 | %100 |
| 5 | M5 | X | 504 | 504 | 0 | %100 |
| 6 | M5 | Z | 873 | 873 | 0 | %100 |
| 7 | M6 | X | 034 | 034 | 0 | %100 |
| 8 | M6 | Z | 059 | 059 | 0 | %100 |
| 9 | M7 | X | -1.218 | -1.218 | 0 | %100 |
| 10 | M7 | Z | -2.11 | -2.11 | 0 | %100 |
| 11 | M8 | X | 504 | 504 | 0 | %100 |

Company Designer Job Number : NL : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | |
|----|--------------|-----------|------------------------|-------------------------|-----------------------|--------------|
| 12 | M8 | Z | 873 | 873 | 0 | %100 |
| 13 | M9 | X | 034 | 034 | 0 | %100 |
| 14 | M9 | Z | 059 | 059 | 0 | %100 |
| 15 | M10 | X | -1.218 | -1.218 | 0 | %100 |
| 16 | M10 | Z | -2.11 | -2.11 | 0 | %100 |
| 17 | OVP | X | -1.364 | -1.364 | 0 | %100 |
| 18 | OVP | Z | -2.362 | -2.362 | 0 | %100 |
| 19 | M12 | X | 092 | 092 | 0 | %100 |
| 20 | M12 | Z | 159 | 159 | Ö | %100 |
| 21 | M13 | X | -1.364 | -1.364 | 0 | %100 %100 |
| 22 | M13 | Z | -2.362 | -2.362 | Ö | %100 |
| 23 | M14 | X | 092 | 092 | 0 | %100 |
| 24 | M14 | Z | 159 | 159 | 0 | %100 %100 |
| 25 | M15 | X | 752 | 752 | 0 | %100 %100 |
| 26 | M15 | Z | -1.302 | -1.302 | 0 | %100 %100 |
| 27 | | | | | | |
| | M16 | X | 735 -1.274 | 735 -1.274 | 0 | %100 |
| 28 | M16 | Z | | | 0 | %100 |
| 29 | M17 | X | 752 | 752 | 0 | %100 |
| 30 | M17 | Z | -1.302 | -1.302 | 0 | %100 |
| 31 | M18 | X | 735 | 735 | 0 | %100 |
| 32 | M18 | Z | -1.274 | -1.274 | 0 | %100 |
| 33 | M19 | X | 77 | 77 | 0 | %100 |
| 34 | M19 | Z | -1.334 | -1.334 | 0 | %100 |
| 35 | M20 | X | 752 | 752 | 0 | %100 |
| 36 | M20 | Z | -1.302 | -1.302 | 0 | %100 |
| 37 | M21 | X | 752 | 752 | 0 | %100 |
| 38 | M21 | Z | -1.302 | -1.302 | 0 | %100 |
| 39 | M22 | X | -1 | -1 | 0 | %100 |
| 40 | M22 | Z | -1.731 | -1.731 | 0 | %100 |
| 41 | M23 | X | -1 | -1 | 0 | %100 |
| 42 | M23 | Z | -1.731 | -1.731 | 0 | %100 |
| 43 | M24 | X | -1.169 | -1.169 | 0 | %100 |
| 44 | M24 | Z | -2.024 | -2.024 | 0 | %100 |
| 45 | M25 | X | 77 | 77 | 0 | %100 |
| 46 | M25 | Z | -1.334 | -1.334 | 0 | %100 |
| 47 | M26 | X | 752 | 752 | 0 | %100 |
| 48 | M26 | Z | -1.302 | -1.302 | 0 | %100 |
| 49 | M27 | X | -1.044 | -1.044 | 0 | %100 |
| 50 | M27 | Z | -1.809 | -1.809 | 0 | %100 |
| 51 | M28 | X | 752 | 752 | 0 | %100 |
| 52 | M28 | Z | -1.302 | -1.302 | 0 | %100 |
| 53 | M29 | X | -1.044 | -1.044 | 0 | %100 |
| 54 | M29 | Z | -1.809 | -1.809 | 0 | %100 %100 |
| 55 | M30 | X | 77 | 77 | 0 | %100 %100 |
| 56 | M30 | Z | -1.334 | -1.334 | 0 | %100 %100 |
| 57 | M31 | X | 752 | 752 | 0 | %100 %100 |
| 58 | M31 | Z | -1.302 | -1.302 | 0 | %100 |
| 59 | M32 | | 752 | | 0 | %100 %100 |
| 60 | M32 | X Z | -1.302 | 752 -1.302 | 0 | %100 %100 |
| 61 | M33 | X | -1.302 | -1.302 | 0 | %100 %100 |
| 62 | M33 | Z | -1.731 | -1.731 | 0 | %100 %100 |
| | | | | | | |
| 63 | M34 | X | -1 | -1 | 0 | %100 |
| 64 | M34 | Z | -1.731 | -1.731 | 0 | %100 |
| 65 | M35 | X | -1.169 | -1.169 | 0 | %100 |
| 66 | M35 | Z | -2.024 | -2.024 | 0 | %100 |
| 67 | M36 | X | 77 | 77 | 0 | %100 |
| 68 | M36 | Z | -1.334 | -1.334 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 69 | MP6A | X | -1.469 | -1.469 | 0 | %100 |
| 70 | MP6A | Z | -2.544 | -2.544 | 0 | %100 |
| 71 | MP5A | X | -1.469 | -1.469 | 0 | %100 |
| 72 | MP5A | Z | -2.544 | -2.544 | 0 | %100 |
| 73 | MP3A | X | -1.624 | -1.624 | 0 | %100 |
| 74 | MP3A | Z | -2.813 | -2.813 | 0 | %100 |
| 75 | MP1A | X | -1.469 | -1.469 | 0 | %100 |
| 76 | MP1A | Z | -2.544 | -2.544 | 0 | %100 |
| 77 | MP4A | X | -1.469 | -1.469 | 0 | %100 |
| 78 | MP4A | Z | -2.544 | -2.544 | 0 | %100 |
| 79 | MP2A | X | -1.469 | -1.469 | 0 | %100 |
| 80 | MP2A | Z | -2.544 | -2.544 | 0 | %100 |
| 81 | M55 | X | 097 | 097 | 0 | %100 |
| 82 | M55 | Z | 167 | 167 | 0 | %100 |

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

| 1 M1 X 0 0 %100 3 M3 X 0 0 0 %100 4 M3 Z 007 007 0 %100 5 M5 X 0 0 0 %100 6 M5 Z 000411 000411 0 %100 7 M6 X 0 0 0 %100 8 M6 Z 000411 000411 0 %100 9 M7 X 0 0 0 %100 10 M7 Z 006 006 0 %100 11 M8 X 0 0 0 %100 12 M8 Z 000411 000411 0 %100 13 M9 X 0 0 0 %100 14 M9 Z 000411 000411 < | | Member Label | | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | Start Location[in,%] | |
|---|----|--------------|---|------------------------|-------------------------|----------------------|------|
| 3 M3 X 0 0 0 %100 4 M3 Z 007 007 0 %100 5 M5 X 0 0 0 %100 6 M5 Z 000411 000411 0 %100 7 M6 X 0 0 0 %100 8 M6 Z 000411 000411 0 %100 9 M7 X 0 0 0 %100 10 M7 Z 006 006 0 %100 11 M8 X 0 0 0 %100 12 M8 Z 000411 000411 0 %100 13 M9 X 0 0 0 %100 14 M9 Z 000411 000411 0 %100 15 M10 X 0 | | M1 | | • | | 0 | |
| 4 M3 Z -,007 -,007 0 %100 5 M5 X 0 0 0 %100 6 M5 Z -,000411 -,000411 0 %100 7 M6 X 0 0 0 %100 8 M6 Z -,000411 -,000411 0 %100 9 M7 X 0 0 0 %100 10 M7 Z -,006 -,006 0 %100 11 M8 X 0 0 0 %100 12 M8 Z -,000411 -,000411 0 %100 13 M9 X 0 0 0 %100 14 M9 Z -,000411 -,000411 0 %100 15 M10 X 0 0 0 %100 17 OVP X 0 | | | | | | - | |
| 6 M5 X 0 0 %100 6 M5 Z 000411 000411 0 %100 7 M6 X 0 0 0 %100 8 M6 Z 000411 000411 0 %100 9 M7 X 0 0 0 %100 10 M7 Z 006 0 %100 11 M8 X 0 0 0 %100 12 M8 Z 000411 000411 0 %100 13 M9 X 0 0 0 %100 14 M9 Z 000411 000411 0 %100 15 M10 X 0 0 0 %100 16 M10 Z 006 006 0 %100 17 OVP X 0 0 0 | | | X | | | | |
| 6 M5 Z 000411 000411 0 %100 7 M6 X 0 0 0 %100 8 M6 Z 000411 0 %100 9 M7 X 0 0 0 %100 10 M7 Z 006 006 0 %100 11 M8 X 0 0 0 %100 12 M8 Z 00411 000411 0 %100 13 M9 X 0 0 0 %100 14 M9 Z 000411 0 %100 15 M10 X 0 0 0 %100 16 M10 X 0 0 0 %100 17 OVP X 0 0 0 %100 18 OVP Z 003 003 0 %100 | | | | 007 | 007 | 0 | |
| 7 M6 X 0 0 %100 8 M6 Z 000411 000411 0 %100 9 M7 X 0 0 0 %100 10 M7 Z 006 006 0 %100 11 M8 X 0 0 0 %100 12 M8 Z 000411 0 %100 13 M9 X 0 0 0 %100 14 M9 Z 00411 000411 0 %100 15 M10 X 0 0 0 %100 15 M10 X 0 0 0 %100 16 M10 Z 006 006 0 %100 17 OVP X 0 0 0 %100 18 OVP Z 003 003 0 % | | | X | | | | |
| 8 M6 Z 000411 000411 0 %100 9 M7 X 0 0 0 %100 10 M7 Z 006 006 0 %100 11 M8 X 0 0 0 %100 12 M8 Z 00411 000411 0 %100 14 M9 X 0 0 0 %100 15 M10 X 0 0 0 %100 15 M10 X 0 0 0 %100 17 OVP X 0 0 0 %100 17 OVP X 0 0 0 %100 18 OVP Z 003 003 0 %100 20 M12 X 0 0 0 %100 21 M13 X 0 0 | 6 | | | 000411 | 000411 | | |
| 9 M7 X 0 0 %100 10 M7 Z 006 006 0 %100 11 M8 X 0 0 0 %100 12 M8 Z 000411 000411 0 %100 13 M9 X 0 0 0 %100 14 M9 Z 00411 0 %100 15 M10 X 0 0 0 %100 16 M10 Z 006 006 0 %100 17 OVP X 0 0 0 %100 18 OVP Z 003 003 0 %100 19 M12 X 0 0 0 %100 20 M12 Z 003 003 0 %100 21 M13 X 0 0 0 %10 | | M6 | X | | | 0 | |
| 10 M7 Z 006 006 0 %100 11 M8 X 0 0 0 %100 12 M8 Z 000411 000411 0 %100 13 M9 X 0 0 0 %100 14 M9 Z 000411 000411 0 %100 15 M10 X 0 0 0 %100 16 M10 Z 006 006 0 %100 17 OVP X 0 0 0 %100 18 OVP Z 003 003 0 %100 19 M12 X 0 0 0 %100 20 M12 Z 003 003 0 %100 21 M13 X 0 0 0 %100 22 M13 Z 003 | | M6 | | 000411 | 000411 | 0 | %100 |
| 111 M8 X 0 0 %100 122 M8 Z 000411 000411 0 %100 13 M9 X 0 0 0 %100 14 M9 Z 00411 000411 0 %100 15 M10 X 0 0 0 %100 16 M10 Z 006 006 0 %100 16 M10 Z 006 0 0 %100 18 OVP Z 003 003 0 %100 18 OVP Z 003 003 0 %100 19 M12 X 0 0 0 %100 20 M12 X 0 0 0 %100 21 M13 X 0 0 0 %100 22 M13 Z 003 003 | | | X | 0 | 0 | 0 | %100 |
| 12 M8 Z 000411 000411 0 %100 13 M9 X 0 0 0 %100 14 M9 Z 000411 000411 0 %100 15 M10 X 0 0 0 %100 16 M10 Z 006 006 0 %100 17 OVP X 0 0 0 %100 18 OVP Z 003 003 0 %100 19 M12 X 0 0 0 %100 20 M12 Z 003 003 0 %100 21 M13 X 0 0 0 %100 21 M13 X 0 0 0 %100 23 M14 X 0 0 0 %100 24 M14 X 0 <td< td=""><td>10</td><td>M7</td><td>Z</td><td>006</td><td>006</td><td>0</td><td>%100</td></td<> | 10 | M7 | Z | 006 | 006 | 0 | %100 |
| 13 M9 X 0 0 %100 14 M9 Z 000411 000411 0 %4100 15 M10 X 0 0 0 %100 16 M10 Z 006 006 0 %100 17 OVP X 0 0 0 %100 18 OVP Z 003 003 0 %100 19 M12 X 0 0 0 %100 20 M12 Z 003 003 0 %100 21 M13 X 0 0 0 %100 21 M13 X 0 0 0 %100 22 M13 Z 003 003 0 %100 23 M14 X 0 0 0 %100 24 M14 Z 003 003 | 11 | M8 | X | 0 | 0 | 0 | %100 |
| 14 M9 Z 000411 000411 0 %100 15 M10 X 0 0 0 %100 16 M10 Z 006 006 0 %100 17 OVP X 0 0 0 %100 18 OVP Z 003 003 0 %100 19 M12 X 0 0 0 %100 20 M12 Z 003 003 0 %100 20 M12 Z 003 003 0 %100 21 M13 X 0 0 0 %100 22 M13 Z 003 003 0 %100 23 M14 X 0 0 0 %100 24 M14 Z 003 003 0 %100 26 M15 X 0 | 12 | M8 | Z | 000411 | 000411 | 0 | %100 |
| 14 M9 Z 000411 000411 0 %100 15 M10 X 0 0 0 %100 16 M10 Z 006 006 0 %100 17 OVP X 0 0 0 %100 18 OVP Z 003 003 0 %100 19 M12 X 0 0 0 %100 20 M12 Z 003 003 0 %100 20 M12 Z 003 003 0 %100 21 M13 X 0 0 0 %100 22 M13 Z 003 003 0 %100 23 M14 X 0 0 0 %100 24 M14 Z 003 003 0 %100 26 M15 X 0 | 13 | M9 | X | 0 | 0 | 0 | %100 |
| 16 M10 Z 006 006 0 %100 17 OVP X 0 0 0 %100 18 OVP Z 003 003 0 %100 19 M12 X 0 0 0 %100 20 M12 Z 003 003 0 %100 21 M13 X 0 0 0 %100 22 M13 Z 003 003 0 %100 23 M14 X 0 0 0 %100 24 M14 X 0 0 0 %100 25 M15 X 0 0 0 %100 26 M15 Z 000885 000885 0 %100 27 M16 X 0 0 0 %100 29 M17 X 0 0< | | M9 | Z | 000411 | 000411 | 0 | %100 |
| 17 OVP X 0 0 %100 18 OVP Z 003 003 0 %100 19 M12 X 0 0 0 %100 20 M12 Z 003 003 0 %100 21 M13 X 0 0 0 %100 22 M13 Z 003 003 0 %100 23 M14 X 0 0 0 %100 24 M14 X 0 0 0 %100 25 M15 X 0 0 0 %100 25 M15 X 0 0 0 %100 26 M15 Z 00885 000885 0 %100 27 M16 X 0 0 0 %100 28 M16 Z 002 002 0 </td <td></td> <td>M10</td> <td>X</td> <td></td> <td></td> <td>0</td> <td>%100</td> | | M10 | X | | | 0 | %100 |
| 17 OVP X 0 0 %100 18 OVP Z 003 003 0 %100 19 M12 X 0 0 0 %100 20 M12 Z 003 003 0 %100 21 M13 X 0 0 0 %100 22 M13 Z 003 003 0 %100 23 M14 X 0 0 0 %100 24 M14 Z 003 003 0 %100 25 M15 X 0 0 0 %100 26 M15 Z 00885 000885 0 %100 27 M16 X 0 0 0 %100 28 M16 Z 002 002 0 %100 29 M17 X 0 0 | 16 | M10 | Z | 006 | 006 | 0 | %100 |
| 19 M12 X 0 0 %100 20 M12 Z 003 003 0 %100 21 M13 X 0 0 0 %100 22 M13 Z 003 003 0 %100 23 M14 X 0 0 0 %100 24 M14 Z 003 003 0 %100 25 M15 X 0 0 0 %100 26 M15 Z 000885 000885 0 %100 27 M16 X 0 0 0 %100 28 M16 Z 002 002 0 %100 29 M17 X 0 0 0 %100 31 M18 X 0 0 0 %100 32 M18 X 0 0 0< | 17 | OVP | X | | | 0 | %100 |
| 20 M12 Z 003 003 0 %100 21 M13 X 0 0 0 %100 22 M13 Z 003 003 0 %100 23 M14 X 0 0 0 %100 24 M14 Z 003 003 0 %100 25 M15 X 0 0 0 %100 26 M15 Z 000885 000885 0 %100 27 M16 X 0 0 0 %100 28 M16 Z 002 002 0 %100 29 M17 X 0 0 0 %100 30 M17 Z 000885 000885 0 %100 31 M18 X 0 0 0 %100 32 M18 Z 002 </td <td>18</td> <td>OVP</td> <td>Z</td> <td>003</td> <td>003</td> <td>0</td> <td>%100</td> | 18 | OVP | Z | 003 | 003 | 0 | %100 |
| 20 M12 Z 003 003 0 %100 21 M13 X 0 0 0 %100 22 M13 Z 003 003 0 %100 23 M14 X 0 0 0 %100 24 M14 Z 003 003 0 %100 25 M15 X 0 0 0 %100 26 M15 Z 000885 000885 0 %100 27 M16 X 0 0 0 %100 28 M16 Z 002 002 0 %100 29 M17 X 0 0 0 %100 30 M17 Z 000885 000885 0 %100 31 M18 X 0 0 0 %100 32 M18 Z 002 </td <td>19</td> <td>M12</td> <td>X</td> <td>0</td> <td>0</td> <td>0</td> <td>%100</td> | 19 | M12 | X | 0 | 0 | 0 | %100 |
| 21 M13 X 0 0 0 %100 22 M13 Z 003 003 0 %100 23 M14 X 0 0 0 %100 24 M14 Z 003 003 0 %100 25 M15 X 0 0 0 %100 26 M15 Z 00885 000885 0 %100 26 M16 X 0 0 0 %100 27 M16 X 0 0 0 %100 28 M16 Z 002 002 0 %100 29 M17 X 0 0 0 %100 30 M17 X 0 0 0 %100 31 M18 X 0 0 0 %100 32 M18 X 0 0 | 20 | M12 | Z | 003 | 003 | 0 | %100 |
| 22 M13 Z 003 003 0 %100 23 M14 X 0 0 0 %100 24 M14 Z 003 003 0 %100 25 M15 X 0 0 0 %100 26 M15 Z 000885 000885 0 %100 27 M16 X 0 0 0 %100 28 M16 Z 002 002 0 %100 29 M17 X 0 0 0 %100 30 M17 Z 000885 000885 0 %100 31 M18 X 0 0 0 %100 32 M18 X 0 0 %100 33 M19 X 0 0 %100 34 M19 X 0 0 %100 < | 21 | M13 | X | 0 | 0 | 0 | |
| 23 M14 X 0 0 %100 24 M14 Z 003 003 0 %100 25 M15 X 0 0 0 %100 26 M15 Z 000885 000885 0 %100 27 M16 X 0 0 0 %100 28 M16 Z 002 002 0 %100 29 M17 X 0 0 0 %100 30 M17 Z 000885 000885 0 %100 31 M18 X 0 0 0 %100 32 M18 X 0 0 %100 33 M19 X 0 0 %100 34 M19 X 0 0 %100 35 M20 X 0 0 %100 36 | | M13 | Z | 003 | 003 | 0 | |
| 25 M15 X 0 0 %100 26 M15 Z 000885 000885 0 %100 27 M16 X 0 0 0 %100 28 M16 Z 002 002 0 %100 29 M17 X 0 0 0 %100 30 M17 Z 000885 000885 0 %100 31 M18 X 0 0 0 %100 32 M18 Z 002 002 0 %100 33 M19 X 0 0 0 %100 34 M19 Z 001 001 0 %100 35 M20 X 0 0 0 %100 36 M20 Z 000885 000885 0 %100 37 M21 X 0 0 | 23 | M14 | X | | | 0 | %100 |
| 26 M15 Z 000885 000885 0 %100 27 M16 X 0 0 0 %100 28 M16 Z 002 002 0 %100 29 M17 X 0 0 0 %100 30 M17 Z 000885 000885 0 %100 31 M18 X 0 0 0 %100 32 M18 Z 002 002 0 %100 33 M19 X 0 0 0 %100 34 M19 Z 001 001 0 %100 35 M20 X 0 0 0 %100 36 M20 Z 000885 000885 0 %100 37 M21 X 0 0 0 %100 38 M21 Z - | 24 | M14 | Z | 003 | 003 | 0 | %100 |
| 27 M16 X 0 0 0 %100 28 M16 Z 002 002 0 %100 29 M17 X 0 0 0 %100 30 M17 Z 000885 000885 0 %100 31 M18 X 0 0 0 %100 32 M18 Z 002 002 0 %100 33 M19 X 0 0 0 %100 34 M19 Z 001 001 0 %100 35 M20 X 0 0 %100 36 M20 Z 000885 000885 0 %100 38 M21 Z 000885 000885 0 %100 | 25 | M15 | X | 0 | 0 | 0 | %100 |
| 27 M16 X 0 0 0 %100 28 M16 Z 002 002 0 %100 29 M17 X 0 0 0 %100 30 M17 Z 000885 000885 0 %100 31 M18 X 0 0 0 %100 32 M18 Z 002 002 0 %100 33 M19 X 0 0 0 %100 34 M19 Z 001 001 0 %100 35 M20 X 0 0 %100 36 M20 Z 000885 000885 0 %100 37 M21 X 0 0 0 %100 38 M21 Z 000885 000885 0 %100 | 26 | M15 | | 000885 | 000885 | 0 | %100 |
| 28 M16 Z 002 002 0 %100 29 M17 X 0 0 0 %100 30 M17 Z 000885 000885 0 %100 31 M18 X 0 0 0 %100 32 M18 Z 002 002 0 %100 33 M19 X 0 0 0 %100 34 M19 Z 001 001 0 %100 35 M20 X 0 0 0 %100 36 M20 Z 000885 000885 0 %100 37 M21 X 0 0 0 %100 38 M21 Z 000885 000885 0 %100 | 27 | M16 | X | | 0 | 0 | %100 |
| 30 M17 Z 000885 000885 0 %100 31 M18 X 0 0 0 %100 32 M18 Z 002 002 0 %100 33 M19 X 0 0 0 %100 34 M19 Z 001 001 0 %100 35 M20 X 0 0 0 %100 36 M20 Z 000885 000885 0 %100 37 M21 X 0 0 0 %100 38 M21 Z 000885 000885 0 %100 | 28 | M16 | Z | 002 | 002 | 0 | %100 |
| 31 M18 X 0 0 0 %100 32 M18 Z 002 002 0 %100 33 M19 X 0 0 0 %100 34 M19 Z 001 001 0 %100 35 M20 X 0 0 0 %100 36 M20 Z 000885 000885 0 %100 37 M21 X 0 0 0 %100 38 M21 Z 000885 000885 0 %100 | 29 | M17 | X | 0 | 0 | 0 | %100 |
| 32 M18 Z 002 002 0 %100 33 M19 X 0 0 0 %100 34 M19 Z 001 001 0 %100 35 M20 X 0 0 0 %100 36 M20 Z 000885 000885 0 %100 37 M21 X 0 0 0 %100 38 M21 Z 000885 000885 0 %100 | 30 | M17 | Z | 000885 | 000885 | 0 | %100 |
| 33 M19 X 0 0 0 %100 34 M19 Z 001 001 0 %100 35 M20 X 0 0 0 %100 36 M20 Z 000885 000885 0 %100 37 M21 X 0 0 0 %100 38 M21 Z 000885 000885 0 %100 | | M18 | X | | | | |
| 34 M19 Z 001 001 0 %100 35 M20 X 0 0 0 %100 36 M20 Z 000885 000885 0 %100 37 M21 X 0 0 0 %100 38 M21 Z 000885 000885 0 %100 | | M18 | | 002 | 002 | 0 | %100 |
| 35 M20 X 0 0 0 %100 36 M20 Z 000885 000885 0 %100 37 M21 X 0 0 0 %100 38 M21 Z 000885 000885 0 %100 | 33 | M19 | X | 0 | 0 | 0 | %100 |
| 35 M20 X 0 0 0 %100 36 M20 Z 000885 000885 0 %100 37 M21 X 0 0 0 %100 38 M21 Z 000885 000885 0 %100 | | | | | | 0 | |
| 36 M20 Z 000885 000885 0 %100 37 M21 X 0 0 0 %100 38 M21 Z 000885 000885 0 %100 | 35 | M20 | X | 0 | 0 | 0 | %100 |
| 37 M21 X 0 0 0 %100 38 M21 Z 000885 000885 0 %100 | | M20 | Z | 000885 | 000885 | | |
| 38 M21 Z000885000885 0 %100 | 37 | M21 | X | | | 0 | |
| | | | Z | 000885 | 000885 | | |
| | | | | | | | |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|----------------------|--------------------|
| 40 | M22 | Z | 003 | 003 | 0 | %100 |
| 41 | M23 | X | 0 | 0 | 0 | %100 |
| 42 | M23 | Z | 003 | 003 | 0 | %100 |
| 43 | M24 | X | 0 | 0 | 0 | %100 |
| 44 | M24 | Z | 004 | 004 | 0 | %100 |
| 45 | M25 | X | 0 | 0 | 0 | %100 |
| 46 | M25 | Z | 001 | 001 | 0 | %100 |
| 47 | M26 | X | 0 | 0 | 0 | %100 |
| 48 | M26 | Z | 000885 | 000885 | 0 | %100 |
| 49 | M27 | X | 0 | 0 | 0 | %100 |
| 50 | M27 | Z | 002 | 002 | 0 | %100 |
| 51 | M28 | X | 0 | 0 | 0 | %100 |
| 52 | M28 | Z | 000885 | 000885 | Ö | %100 |
| 53 | M29 | X | 0 | 0 | 0 | %100 |
| 54 | M29 | Z | 002 | 002 | Ö | %100 |
| 55 | M30 | X | 0 | 0 | 0 | %100 |
| 56 | M30 | Z | 001 | 001 | 0 | %100 |
| 57 | M31 | X | 0 | 0 | Ö | %100 |
| 58 | M31 | Ž | 000885 | 000885 | Ö | %100 |
| 59 | M32 | X | 0 | 0 | Ö | %100 |
| 60 | M32 | Z | 000885 | 000885 | Ö | %100 |
| 61 | M33 | X | 0 | 0 | Ö | %100 |
| 62 | M33 | Z | 003 | 003 | Ö | %100 |
| 63 | M34 | X | 0 | 0 | 0 | %100 |
| 64 | M34 | Z | 003 | 003 | 0 | %100 |
| 65 | M35 | X | 0 | 0 | 0 | %100 |
| 66 | M35 | Z | 004 | 004 | 0 | %100 |
| 67 | M36 | X | 0 | 0 | 0 | %100 |
| 68 | M36 | Z | 001 | 001 | 0 | %100 |
| 69 | MP6A | X | 0 | 0 | 0 | %100 |
| 70 | MP6A | Z | 005 | 005 | 0 | %100 |
| 71 | MP5A | X | 0 | 0 | 0 | %100 |
| 72 | MP5A | Z | 005 | 005 | 0 | %100 |
| 73 | MP3A | X | 0 | 0 | 0 | %100 |
| 74 | MP3A | Z | 006 | 006 | 0 | %100 |
| 75 | MP1A | X | 0 | 0 | 0 | %100 |
| 76 | MP1A | Z | 005 | 005 | 0 | %100 |
| 77 | MP4A | X | 0 | 0 | 0 | %100 |
| 78 | MP4A | Z | 005 | 005 | Ö | %100 |
| 79 | MP2A | X | 0 | 0 | 0 | %100 |
| 80 | MP2A | Ž | 005 | 005 | Ö | %100 |
| 81 | M55 | X | 0 | 0 | 0 | %100 |
| 82 | M55 | Z | 001 | 001 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-------------------------|-----------------------|--------------------|
| 1 | M1 | X | .003 | .003 | 0 | %100 |
| 2 | M1 | Z | 004 | 004 | 0 | %100 |
| 3 | M3 | X | .003 | .003 | 0 | %100 |
| 4 | M3 | Z | 004 | 004 | 0 | %100 |
| 5 | M5 | X | 2.6e-5 | 2.6e-5 | 0 | %100 |
| 6 | M5 | Z | -4.5e-5 | -4.5e-5 | 0 | %100 |
| 7 | M6 | X | .000389 | .000389 | 0 | %100 |
| 8 | M6 | Z | 000674 | 000674 | 0 | %100 |
| 9 | M7 | X | .002 | .002 | 0 | %100 |
| 10 | M7 | Z | 004 | 004 | 0 | %100 |

Company Designer Job Number : NL : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | | . End Magnitude[lb/ft,F | .Start Location[in,%] | |
|----|--------------|-----------|---------|-------------------------|-----------------------|--------------|
| 11 | M8 | X | 2.6e-5 | 2.6e-5 | 0 | %100 |
| 12 | M8 | Z | -4.5e-5 | -4.5e-5 | 0 | %100 |
| 13 | M9 | X | .000389 | .000389 | 0 | %100 |
| 14 | M9 | Z | 000674 | 000674 | 0 | %100 |
| 15 | M10 | X | .002 | .002 | 0 | %100 |
| 16 | M10 | Z | 004 | 004 | 0 | %100 |
| 17 | OVP | X | .000165 | .000165 | 0 | %100 |
| 18 | OVP | Z | 000287 | 000287 | 0 | %100 |
| 19 | M12 | X | .002 | .002 | 0 | %100 |
| 20 | M12 | Z | 004 | 004 | 0 | %100 |
| 21 | M13 | X | .000165 | .000165 | 0 | %100 |
| 22 | M13 | Z | 000287 | 000287 | Ö | %100 %100 |
| 23 | M14 | X | .002 | .002 | 0 | %100 %100 |
| 24 | M14 | Z | 004 | 004 | 0 | %100 %100 |
| 25 | M15 | X | .001 | .001 | 0 | %100 %100 |
| 26 | M15 | Z | 002 | 002 | 0 | %100 %100 |
| 27 | M16 | X | .001 | .001 | | %100 %100 |
| 28 | | Z | 002 | 002 | 0 | |
| | M16 | | | | | %100 %400 |
| 29 | M17 | X | .001 | .001 | 0 | %100 |
| 30 | M17 | Z | 002 | 002 | 0 | %100 |
| 31 | M18 | X | .001 | .001 | 0 | %100 |
| 32 | M18 | Z | 002 | 002 | 0 | %100 |
| 33 | M19 | X | .001 | .001 | 0 | %100 |
| 34 | M19 | Z | 002 | 002 | 0 | %100 |
| 35 | M20 | X | .001 | .001 | 0 | %100 |
| 36 | M20 | Z | 002 | 002 | 0 | %100 |
| 37 | M21 | X | .001 | .001 | 0 | %100 |
| 38 | M21 | Z | 002 | 002 | 0 | %100 |
| 39 | M22 | X | .001 | .001 | 0 | %100 |
| 40 | M22 | Z | 002 | 002 | 0 | %100 |
| 41 | M23 | X | .001 | .001 | 0 | %100 |
| 42 | M23 | Z | 002 | 002 | 0 | %100 |
| 43 | M24 | X | .002 | .002 | 0 | %100 |
| 44 | M24 | Z | 004 | 004 | 0 | %100 |
| 45 | M25 | X | .001 | .001 | 0 | %100 |
| 46 | M25 | Z | 002 | 002 | 0 | %100 |
| 47 | M26 | X | .001 | .001 | 0 | %100 |
| 48 | M26 | Z | 002 | 002 | Ö | %100 %100 |
| 49 | M27 | X | .000961 | .000961 | 0 | %100 %100 |
| 50 | M27 | Z | 002 | 002 | 0 | %100 %100 |
| 51 | M28 | X | .001 | .001 | 0 | %100 %100 |
| 52 | M28 | Z | 002 | 002 | 0 | %100 %100 |
| 53 | M29 | X | .000961 | .000961 | 0 | %100 %100 |
| 54 | M29 | Z | 002 | 002 | 0 | %100 %100 |
| 55 | M30 | X | .001 | .001 | 0 | %100 %100 |
| 56 | M30 | Z | 002 | 002 | 0 | %100 %100 |
| | | | | | | |
| 57 | M31 | X | .001 | .001 | 0 | %100 %100 |
| 58 | M31 | Z | 002 | 002 | 0 | %100 |
| 59 | M32 | X | .001 | .001 | 0 | %100 %400 |
| 60 | M32 | Z | 002 | 002 | 0 | %100 |
| 61 | M33 | X | .001 | .001 | 0 | %100 |
| 62 | M33 | Z | 002 | 002 | 0 | %100 |
| 63 | M34 | X | .001 | .001 | 0 | %100 |
| 64 | M34 | Z | 002 | 002 | 0 | %100 |
| 65 | M35 | X | .002 | .002 | 0 | %100 |
| 66 | M35 | Z | 004 | 004 | 0 | %100 |
| 67 | M36 | X | .001 | .001 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 68 | M36 | Z | 002 | 002 | 0 | %100 |
| 69 | MP6A | X | .003 | .003 | 0 | %100 |
| 70 | MP6A | Z | 005 | 005 | 0 | %100 |
| 71 | MP5A | X | .003 | .003 | 0 | %100 |
| 72 | MP5A | Z | 005 | 005 | 0 | %100 |
| 73 | MP3A | X | .003 | .003 | 0 | %100 |
| 74 | MP3A | Z | 006 | 006 | 0 | %100 |
| 75 | MP1A | X | .003 | .003 | 0 | %100 |
| 76 | MP1A | Z | 005 | 005 | 0 | %100 |
| 77 | MP4A | X | .003 | .003 | 0 | %100 |
| 78 | MP4A | Z | 005 | 005 | 0 | %100 |
| 79 | MP2A | X | .003 | .003 | 0 | %100 |
| 80 | MP2A | Z | 005 | 005 | 0 | %100 |
| 81 | M55 | X | .003 | .003 | 0 | %100 |
| 82 | M55 | Z | 004 | 004 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | Start Location[in,%] | |
|----|--------------|-----------|------------------------|-----------------------|----------------------|------|
| 1 | M1 | X | .001 | .001 | 0 | %100 |
| 2 | M1 | Z | 000839 | 000839 | 0 | %100 |
| 3 | M3 | X | .001 | .001 | 0 | %100 |
| 4 | M3 | Z | 000839 | 000839 | 0 | %100 |
| 5 | M5 | X | 5.2e-5 | 5.2e-5 | 0 | %100 |
| 6 | M5 | Z | -3e-5 | -3e-5 | 0 | %100 |
| 7 | M6 | X | .000681 | .000681 | 0 | %100 |
| 8 | M6 | Z | 000393 | 000393 | 0 | %100 |
| 9 | M7 | X | .001 | .001 | 0 | %100 |
| 10 | M7 | Z | 000804 | 000804 | 0 | %100 |
| 11 | M8 | X | 5.2e-5 | 5.2e-5 | 0 | %100 |
| 12 | M8 | Z | -3e-5 | -3e-5 | 0 | %100 |
| 13 | M9 | X | .000681 | .000681 | 0 | %100 |
| 14 | M9 | Z | 000393 | 000393 | 0 | %100 |
| 15 | M10 | X | .001 | .001 | 0 | %100 |
| 16 | M10 | Z | 000804 | 000804 | 0 | %100 |
| 17 | OVP | X | .00033 | .00033 | 0 | %100 |
| 18 | OVP | Z | 000191 | 000191 | 0 | %100 |
| 19 | M12 | X | .004 | .004 | 0 | %100 |
| 20 | M12 | Z | 002 | 002 | 0 | %100 |
| 21 | M13 | X | .00033 | .00033 | 0 | %100 |
| 22 | M13 | Z | 000191 | 000191 | 0 | %100 |
| 23 | M14 | X | .004 | .004 | 0 | %100 |
| 24 | M14 | Z | 002 | 002 | 0 | %100 |
| 25 | M15 | X | .005 | .005 | 0 | %100 |
| 26 | M15 | Z | 003 | 003 | 0 | %100 |
| 27 | M16 | X | .002 | .002 | 0 | %100 |
| 28 | M16 | Z | 001 | 001 | 0 | %100 |
| 29 | M17 | X | .005 | .005 | 0 | %100 |
| 30 | M17 | Z | 003 | 003 | 0 | %100 |
| 31 | M18 | X | .002 | .002 | 0 | %100 |
| 32 | M18 | Z | 001 | 001 | 0 | %100 |
| 33 | M19 | X | .005 | .005 | 0 | %100 |
| 34 | M19 | Z | 003 | 003 | 0 | %100 |
| 35 | M20 | X | .005 | .005 | 0 | %100 |
| 36 | M20 | Z | 003 | 003 | 0 | %100 |
| 37 | M21 | X | .005 | .005 | 0 | %100 |
| 38 | M21 | Z | 003 | 003 | 0 | %100 |
| | | | | | | |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-------------------------|-----------------------|--------------------|
| 39 | M22 | X | .002 | .002 | 0 | %100 |
| 40 | M22 | Z | 001 | 001 | 0 | %100 |
| 41 | M23 | X | .002 | .002 | 0 | %100 |
| 42 | M23 | Z | 001 | 001 | 0 | %100 |
| 43 | M24 | X | .004 | .004 | 0 | %100 |
| 44 | M24 | Z | 002 | 002 | 0 | %100 |
| 45 | M25 | X | .005 | .005 | 0 | %100 |
| 46 | M25 | Z | 003 | 003 | 0 | %100 |
| 47 | M26 | X | .005 | .005 | 0 | %100 |
| 48 | M26 | Z | 003 | 003 | 0 | %100 |
| 49 | M27 | X | .002 | .002 | 0 | %100 |
| 50 | M27 | Z | 000965 | 000965 | Ŏ | %100 |
| 51 | M28 | X | .005 | .005 | 0 | %100 |
| 52 | M28 | Ž | 003 | 003 | Ö | %100 %100 |
| 53 | M29 | X | .002 | .002 | 0 | %100 %100 |
| 54 | M29 | Z | 000965 | 000965 | Ö | %100 %100 |
| 55 | M30 | X | .005 | .005 | 0 | %100 %100 |
| 56 | M30 | Z | 003 | 003 | 0 | %100 %100 |
| 57 | M31 | X | .005 | .005 | 0 | %100 %100 |
| 58 | M31 | Z | 003 | 003 | 0 | %100 %100 |
| 59 | M32 | X | .005 | .005 | 0 | %100 %100 |
| 60 | M32 | Z | 003 | 003 | 0 | %100 %100 |
| 61 | M33 | X | .002 | .002 | 0 | %100 %100 |
| 62 | M33 | Ž | 001 | 001 | 0 | %100 %100 |
| 63 | M34 | X | .002 | .002 | 0 | %100 %100 |
| 64 | M34 | Z | 001 | 001 | 0 | %100 %100 |
| 65 | M35 | X | .004 | .004 | 0 | %100 %100 |
| 66 | M35 | Ž | 002 | 002 | 0 | %100 %100 |
| 67 | M36 | X | .005 | .005 | 0 | %100 %100 |
| 68 | M36 | Ž | 003 | 003 | 0 | %100 %100 |
| 69 | MP6A | X | .005 | .005 | 0 | %100 %100 |
| 70 | MP6A | Z | 003 | 003 | 0 | %100 %100 |
| 71 | MP5A | X | .005 | .005 | 0 | %100 %100 |
| 72 | MP5A | Ž | | | 0 | |
| 73 | MP3A | | 003 .006 | 003 .006 | - | %100 %100 |
| | | X Z | | | 0 | %100 |
| 74 | MP3A | | 003 | 003 | - | %100 |
| 75 | MP1A | X | .005 | .005 | 0 | %100 |
| 76 | MP1A | Z | 003 | 003 | 0 | %100 |
| 77 | MP4A | X | .005 | .005 | 0 | %100 |
| 78 | MP4A | Z | 003 | 003 | 0 | %100 |
| 79 | MP2A | X | .005 | .005 | 0 | %100 |
| 80 | MP2A | Z | 003 | 003 | 0 | %100 |
| 81 | <u>M55</u> | X | .007 | .007 | 0 | %100 |
| 82 | M55 | Z | 004 | 004 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|---|--------------|-----------|------------------------|-------------------------|-----------------------|--------------------|
| 1 | M1 | X | 0 | 0 | 0 | %100 |
| 2 | M1 | Z | 0 | 0 | 0 | %100 |
| 3 | M3 | X | 0 | 0 | 0 | %100 |
| 4 | M3 | Z | 0 | 0 | 0 | %100 |
| 5 | M5 | X | .000427 | .000427 | 0 | %100 |
| 6 | M5 | Z | 0 | 0 | 0 | %100 |
| 7 | M6 | X | .000427 | .000427 | 0 | %100 |
| 8 | M6 | Z | 0 | 0 | 0 | %100 |
| 9 | M7 | X | 0 | 0 | 0 | %100 |

Company Designer

: Maser Consulting : NL : 21777866A Job Number Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| 40 | Member Label | Direction | _ | . End Magnitude[lb/ft,F. | | |
|----------|--------------|-----------|---------|--------------------------|---|--------------|
| 10 | M7 | Z | 0 | 0 | 0 | %100 |
| 11 | M8 | X | .000427 | .000427 | 0 | %100 |
| 12 | M8 | Z | 0 | 0 | 0 | %100 |
| 13 | M9 | X | .000427 | .000427 | 0 | %100 |
| 14 | M9 | Z | 0 | 0 | 0 | %100 |
| 15 | M10 | X | 0 | 0 | 0 | %100 |
| 16 | M10 | Z | 0 | 0 | 0 | %100 |
| 17 | OVP | X | .003 | .003 | 0 | %100 |
| 18 | OVP | Z | 0 | 0 | 0 | %100 |
| 19 | M12 | X Z | .003 | .003 | 0 | %100 |
| 20 | M12 | Z | 0 | 0 | 0 | %100 |
| 21 | M13 | Χ | .003 | .003 | 0 | %100 |
| 22 | M13 | Z | 0 | 0 | 0 | %100 |
| 23 | M14 | X | .003 | .003 | 0 | %100 |
| 24 | M14 | Z | 0 | 0 | 0 | %100 |
| 25 | M15 | X | .007 | .007 | 0 | %100 |
| 26 | M15 | Z | 0 | 0 | 0 | %100 |
| 27 | M16 | X | .002 | .002 | 0 | %100 |
| 28 | M16 | Z | 0 | 0 | Ö | %100 |
| 29 | M17 | X | .007 | .007 | 0 | %100 |
| 30 | M17 | X Z | 0 | 0 | 0 | %100 %100 |
| 31 | M18 | X | .002 | .002 | 0 | %100 |
| 32 | M18 | Z | 0 | 0 | 0 | %100 %100 |
| 33 | M19 | X | .007 | .007 | Ö | %100 %100 |
| 34 | M19 | Z | 0 | 0 | 0 | %100 %100 |
| 35 | M20 | X | .007 | .007 | 0 | %100 %100 |
| 36 | M20 | Ž | 0 | 0 | 0 | %100 %100 |
| 37 | M21 | X | .007 | .007 | 0 | %100 %100 |
| 38 | M21 | Z | 0 | 0 | 0 | %100 %100 |
| 39 | M22 | <u> </u> | .003 | .003 | 0 | %100 %100 |
| 40 | M22 | X Z | 0 | 0 | 0 | %100 %100 |
| 41 | M23 | X | .003 | .003 | 0 | %100 %100 |
| 42 | M23 | Z | 0 | 0 | 0 | %100 %100 |
| 43 | M24 | X | .004 | .004 | 0 | %100 %100 |
| 44 | M24 | Z | 0 | 0 | 0 | %100 %100 |
| 45 | M25 | X | .007 | .007 | 0 | %100 %100 |
| 46 | M25 | Z | 0 | 0 | 0 | %100 %100 |
| 47 | M26 | X | .007 | .007 | 0 | %100 %100 |
| 48 | M26 | Z | 0 | 0 | 0 | %100 %100 |
| 49 | M27 | X | .002 | .002 | 0 | %100 %100 |
| 50 | M27 | Z | 0 | 0 | 0 | %100 %100 |
| 51 | M28 | X | .007 | .007 | 0 | %100 %100 |
| 52 | M28 | Z | 0 | 0 | 0 | %100 %100 |
| 53 | M29 | X | .002 | .002 | 0 | %100 %100 |
| 54 | M29 | Z | 0 | 0 | 0 | %100 %100 |
| 55 | M30 | X | .007 | .007 | | %100 %100 |
| 56 | M30 | Z | 0 | 0 | 0 | |
| | | | | | | %100 %100 |
| 57 | M31 | X Z | .007 | .007 | 0 | %100 |
| 58 59 | M31 | | .007 | 0 | 0 | %100 %100 |
| | M32 | X Z | | .007 | 0 | %100 %100 |
| 60 | M32 | | 0 | 0 | 0 | %100 %100 |
| 61 62 | M33 | X Z | .003 | .003 | 0 | |
| | M33 | | | | 0 | %100 %100 |
| 63 64 | M34 | X Z | .003 | .003 | 0 | %100 %100 |
| 65 | M34 M35 | X | .004 | .004 | 0 | %100 %100 |
| 66 | | Z | | | 0 | %100 %100 |
| 00 | M35 | | 0 | 0 | U | 76 100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 67 | M36 | X | .007 | .007 | 0 | %100 |
| 68 | M36 | Z | 0 | 0 | 0 | %100 |
| 69 | MP6A | X | .005 | .005 | 0 | %100 |
| 70 | MP6A | Z | 0 | 0 | 0 | %100 |
| 71 | MP5A | X | .005 | .005 | 0 | %100 |
| 72 | MP5A | Z | 0 | 0 | 0 | %100 |
| 73 | MP3A | X | .006 | .006 | 0 | %100 |
| 74 | MP3A | Z | 0 | 0 | 0 | %100 |
| 75 | MP1A | X | .005 | .005 | 0 | %100 |
| 76 | MP1A | Z | 0 | 0 | 0 | %100 |
| 77 | MP4A | X | .005 | .005 | 0 | %100 |
| 78 | MP4A | Z | 0 | 0 | 0 | %100 |
| 79 | MP2A | X | .005 | .005 | 0 | %100 |
| 80 | MP2A | Z | 0 | 0 | 0 | %100 |
| 81 | M55 | X | .007 | .007 | 0 | %100 |
| 82 | M55 | 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,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-------------------------|-----------------------|--------------------|
| 1 | M1 | X | .001 | .001 | 0 | %100 |
| 2 | M1 | Z | .000839 | .000839 | 0 | %100 |
| 3 | M3 | X | .001 | .001 | 0 | %100 |
| 4 | M3 | Z | .000839 | .000839 | 0 | %100 |
| 5 | M5 | X | .000681 | .000681 | 0 | %100 |
| 6 | M5 | Z | .000393 | .000393 | 0 | %100 |
| 7 | M6 | X | 5.2e-5 | 5.2e-5 | 0 | %100 |
| 8 | M6 | Z | 3e-5 | 3e-5 | 0 | %100 |
| 9 | M7 | X | .001 | .001 | 0 | %100 |
| 10 | M7 | Z | .000804 | .000804 | 0 | %100 |
| 11 | M8 | X | .000681 | .000681 | 0 | %100 |
| 12 | M8 | Z | .000393 | .000393 | 0 | %100 |
| 13 | M9 | X | 5.2e-5 | 5.2e-5 | 0 | %100 |
| 14 | M9 | Z | 3e-5 | 3e-5 | 0 | %100 |
| 15 | M10 | X | .001 | .001 | 0 | %100 |
| 16 | M10 | Z | .000804 | .000804 | 0 | %100 |
| 17 | OVP | X | .004 | .004 | 0 | %100 |
| 18 | OVP | Z | .002 | .002 | 0 | %100 |
| 19 | M12 | X | .00033 | .00033 | 0 | %100 |
| 20 | M12 | Z | .000191 | .000191 | 0 | %100 |
| 21 | M13 | X | .004 | .004 | 0 | %100 |
| 22 | M13 | Z | .002 | .002 | 0 | %100 |
| 23 | M14 | X | .00033 | .00033 | 0 | %100 |
| 24 | M14 | Z | .000191 | .000191 | 0 | %100 |
| 25 | M15 | X | .005 | .005 | 0 | %100 |
| 26 | M15 | Z | .003 | .003 | 0 | %100 |
| 27 | M16 | X | .002 | .002 | 0 | %100 |
| 28 | M16 | Z | .000965 | .000965 | 0 | %100 |
| 29 | M17 | X | .005 | .005 | 0 | %100 |
| 30 | M17 | Z | .003 | .003 | 0 | %100 |
| 31 | M18 | X | .002 | .002 | 0 | %100 |
| 32 | M18 | Z | .000965 | .000965 | 0 | %100 |
| 33 | M19 | X | .005 | .005 | 0 | %100 |
| 34 | M19 | Z | .003 | .003 | 0 | %100 |
| 35 | M20 | X | .005 | .005 | 0 | %100 |
| 36 | M20 | Z | .003 | .003 | 0 | %100 |
| 37 | M21 | X | .005 | .005 | 0 | %100 |

Company Designer : Maser Consulting

: NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----------|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 38 | M21 | Z | .003 | .003 | 0 | %100 |
| 39 | M22 | X | .002 | .002 | 0 | %100 |
| 40 | M22 | Z | .001 | .001 | 0 | %100 |
| 41 | M23 | X | .002 | .002 | 0 | %100 |
| 42 | M23 | Z | .001 | .001 | 0 | %100 |
| 43 | M24 | X | .004 | .004 | 0 | %100 |
| 44 | M24 | Z | .002 | .002 | 0 | %100 |
| 45 | M25 | X | .005 | .005 | Ö | %100 |
| 46 | M25 | Ž | .003 | .003 | 0 | %100 %100 |
| 47 | M26 | X | .005 | .005 | 0 | %100 |
| 48 | M26 | Z | .003 | .003 | Ö | %100 %100 |
| 49 | M27 | X | .002 | .002 | 0 | %100 %100 |
| 50 | M27 | Z | .001 | .001 | Ö | %100 %100 |
| 51 | M28 | X | .005 | .005 | 0 | %100 %100 |
| 52 | M28 | Z | .003 | .003 | 0 | %100 %100 |
| 53 | M29 | X | .002 | .002 | 0 | %100 %100 |
| 54 | M29 | Z | .002 | .002 | 0 | %100 %100 |
| 55 | M30 | X | .005 | .005 | 0 | %100 %100 |
| 56 | M30 | Z | .003 | .003 | 0 | %100 %100 |
| 57 | M31 | X | .005 | .005 | 0 | %100 %100 |
| 58 | M31 | Ž | .003 | .003 | 0 | %100 %100 |
| 59 | M32 | X | .005 | .005 | 0 | %100 %100 |
| 60 | M32 | Z | .003 | .003 | 0 | %100 %100 |
| 61 | M33 | X | .003 | .003 | 0 | %100 %100 |
| 62 | M33 | Z | .002 | .002 | 0 | %100 %100 |
| 63 | M34 | X | .001 | .001 | 0 | %100 %100 |
| | | | | | 0 | |
| 64 65 | M34 | Z X | .001 .004 | .001 | | %100 %100 |
| | M35 | | | .004 | 0 | %100 |
| 66 | M35 | Z | .002 | .002 | 0 | %100 |
| 67 | M36 | X Z | .005 | .005 | 0 | %100 |
| 68 | M36 | | .003 | .003 | 0 | %100 %100 |
| 69 70 | MP6A | X Z | .005 | .005 | 0 | %100 |
| | MP6A | | .003 | | 0 | %100 |
| 71 72 | MP5A | X Z | .005 | .005 | 0 | %100 %100 |
| | MP5A | | .003 | .003 | 0 | %100 %100 |
| 73 | MP3A | X | .006 | .006 | 0 | %100 %100 |
| 74 | MP3A | Z | .003 | .003 | 0 | %100 %100 |
| 75 | MP1A | X | .005 | .005 | 0 | %100 |
| 76 | MP1A | Z | .003 | .003 | 0 | %100 |
| 77 | MP4A | X | .005 | .005 | 0 | %100 |
| 78 | MP4A | Z | .003 | .003 | 0 | %100 |
| 79 | MP2A | X | .005 | .005 | 0 | %100 |
| 80 | MP2A | Z | .003 | .003 | 0 | %100 |
| 81 | <u>M55</u> | X | .003 | .003 | 0 | %100 |
| 82 | M55 | Z | .001 | .001 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | Start Location[in,%] | End Location[in,%] |
|---|--------------|-----------|------------------------|-----------------------|----------------------|--------------------|
| 1 | M1 | X | .003 | .003 | 0 | %100 |
| 2 | M1 | Z | .004 | .004 | 0 | %100 |
| 3 | M3 | X | .003 | .003 | 0 | %100 |
| 4 | M3 | Z | .004 | .004 | 0 | %100 |
| 5 | M5 | X | .000389 | .000389 | 0 | %100 |
| 6 | M5 | Z | .000674 | .000674 | 0 | %100 |
| 7 | M6 | X | 2.6e-5 | 2.6e-5 | 0 | %100 |
| 8 | M6 | Z | 4.5e-5 | 4.5e-5 | 0 | %100 |

Company Designer Job Number : NL : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| 9 M7 X | | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | Start Location[in,%] | |
|--|----|--------------|-----------|------------------------|-------------------------|----------------------|------|
| 11 M8 X .000389 .000389 0 %100 12 M8 Z .000674 .000674 0 %100 13 M9 X 2.6e-5 2.6e-5 0 %100 14 M9 Z 4.5e-5 4.5e-5 0 %100 15 M10 X .002 .002 0 %100 16 M10 Z .004 .004 0 %100 17 OVP X .002 .002 0 %100 18 OVP Z .004 .004 0 %100 19 M12 X .00165 .000165 0 %100 20 M12 Z .000287 .000287 0 %100 21 M13 X .002 .002 0 %100 22 M13 X .002 .002 0 %100 24 M14 | | | | | | 0 | |
| 12 | | | | | | - | |
| 13 M9 X 2.6e-5 2.6e-5 0 %100 14 M9 Z 4.5e-5 0 %100 15 M10 X .002 .002 0 %100 16 M10 Z .004 .004 0 %100 17 OVP X .002 .002 0 %100 18 OVP Z .004 .004 0 %100 19 M12 X .000165 .000165 0 %100 20 M12 Z .000287 .000287 0 %100 21 M13 X .002 .002 0 %100 21 M13 X .002 .002 0 %100 22 M13 X .002 .002 0 %100 23 M14 X .000165 .000165 0 %100 25 M15 X | | | X | | | | |
| 14 M9 Z 4.5e-5 0 %100 15 M10 X .002 .002 0 %100 16 M10 Z .004 .004 0 %100 17 OVP X .002 .002 0 %100 18 OVP Z .004 .004 0 %100 19 M12 X .000165 .000165 0 %100 20 M12 Z .000287 .002 .002 .004 21 M13 X .002 .002 .004 | | M8 | | .000674 | .000674 | 0 | |
| 15 M10 X .002 .002 0 %100 16 M10 Z .004 .004 0 %100 17 OVP X .002 .002 0 %100 18 OVP Z .004 .004 0 %100 20 M12 X .000165 .000165 0 %100 20 M12 Z .000287 .000287 0 %100 21 M13 X .002 .002 .004 .004 22 M13 Z .004 .004 .0 %100 23 M14 X .000165 .000165 0 %100 24 M14 Z .000287 .000287 0 %100 25 M15 X .001 .001 0 %100 26 M15 Z .002 .002 .0 %100 28 M16 <td>13</td> <td>M9</td> <td></td> <td>2.6e-5</td> <td>2.6e-5</td> <td>0</td> <td>%100</td> | 13 | M9 | | 2.6e-5 | 2.6e-5 | 0 | %100 |
| 16 M10 Z .004 .004 0 %100 17 OVP X .002 .002 0 %100 18 OVP Z .004 .004 0 %6100 19 M12 X .000165 .000165 0 %6100 20 M12 Z .000287 .00287 0 %6100 21 M13 X .002 .002 0 %6100 22 M13 Z .004 .004 0 %6100 23 M14 X .000165 .00165 0 %6100 24 M14 Z .000287 .00287 0 %6100 25 M15 X .001 .001 .001 0 %6100 27 M16 X .000961 .00961 .00961 0 %6100 28 M16 Z .002 .002 .002 %6100 | 14 | M9 | Z | 4.5e-5 | 4.5e-5 | 0 | %100 |
| 16 M10 Z .004 .004 0 %100 17 OVP X .002 .002 0 %100 18 OVP Z .004 .004 0 %6100 19 M12 X .000165 .000165 0 %6100 20 M12 Z .000287 .00287 0 %6100 21 M13 X .002 .002 0 %6100 22 M13 Z .004 .004 0 %6100 23 M14 X .000165 .00165 0 %6100 24 M14 Z .000287 .00287 0 %6100 25 M15 X .001 .001 .001 0 %6100 27 M16 X .000961 .00961 .00961 0 %6100 28 M16 Z .002 .002 .002 %6100 | | | | | | 0 | %100 |
| 17 OVP X .002 .004 .0 4 0 %100 19 M12 X .000165 .000165 0 %100 20 M12 Z .000287 .000287 0 %100 21 M13 X .002 .002 0 %100 22 M13 Z .004 .004 0 %100 23 M14 X .000165 .00165 0 %100 24 M14 Z .000287 .00287 0 %100 25 M15 X .001 .001 0 %100 26 M15 Z .002 .002 0 %100 28 M16 X .00961 .00961 .00961 .004 29 M17 X .001 .001 .0 %100 30 M17 Z .002 .002 .0 %100 | | | Z | | | | |
| 18 OVP Z .004 .004 0 %100 19 M12 X .000165 .000165 0 %100 20 M12 Z .000287 0 %100 21 M13 X .002 .002 0 %100 22 M13 Z .004 .004 0 %100 23 M14 X .000165 .000165 0 %100 24 M14 Z .000287 .000287 0 %100 25 M15 X .001 .001 0 %100 25 M15 X .001 .001 0 %100 27 M16 X .009961 .00961 0 %100 28 M16 Z .002 .002 0 %100 29 M17 X .001 .001 0 %100 30 M17 Z | | | | | | | |
| 19 | | | | | | | |
| 20 M12 Z .000287 .000287 0 %100 21 M13 X .002 .002 0 %100 22 M13 Z .004 .004 0 %100 23 M14 X .000165 .000165 0 %100 24 M14 Z .000287 .000287 0 %100 25 M15 X .001 .001 0 %100 26 M15 Z .002 .002 0 %100 27 M16 X .00061 .00061 0 %100 28 M16 Z .002 .002 0 %100 29 M17 X .001 .001 0 %100 30 M17 Z .002 .002 0 %100 31 M18 X .000961 .00961 0 %100 32 M18 | | | | | | | |
| 21 M13 X .004 .004 0 %100 22 M13 Z .004 .004 0 %100 23 M144 X .000165 .000165 0 %100 24 M14 Z .000287 .000287 0 %100 25 M15 X .001 .001 0 %100 26 M155 Z .002 .002 0 %100 27 M16 X .000961 .000961 0 %100 28 M16 Z .002 .002 0 %100 29 M17 X .001 .001 0 %100 30 M17 Z .002 .002 0 %100 31 M18 X .009961 .00961 0 %100 32 M18 Z .002 .002 0 %100 34 M19 | | | | | | | |
| 22 M13 Z .004 .004 0 %100 23 M14 X .000165 .000165 0 %100 24 M14 Z .000287 .000 %100 25 M15 X .001 .001 0 %100 26 M15 Z .002 .002 0 %1100 27 M16 X .000961 .000961 0 %1100 28 M16 Z .002 .002 0 %1100 29 M17 X .001 .001 0 %1100 30 M17 Z .002 .002 0 %1100 31 M18 X .000961 .000961 0 %100 32 M18 Z .002 .002 0 %100 33 M19 X .001 .001 0 %100 34 M19 Z | | | | | | | |
| 23 M14 X .000165 .000187 0 %100 24 M14 Z .000287 .000287 0 %100 25 M15 X .001 .001 0 %100 26 M15 Z .002 .002 0 %100 27 M16 X .000961 .000961 0 %100 28 M16 Z .002 .002 0 %100 29 M17 X .001 .001 0 %100 30 M17 Z .002 .002 0 %100 31 M18 X .00961 .00961 0 %100 32 M18 Z .002 .002 0 %100 33 M19 X .001 .001 0 %100 34 M19 Z .002 .002 0 %100 36 M20 | | | | | | | |
| 24 M14 Z .000287 .000287 0 %100 25 M15 X .001 .001 0 %100 26 M15 Z .002 .002 0 %100 27 M16 X .009861 .000961 0 %100 28 M16 Z .002 .002 0 %100 29 M17 X .001 .001 0 %100 30 M17 Z .002 .002 0 %100 31 M18 X .009961 .000961 0 %100 32 M18 Z .002 .002 0 %100 33 M19 X .001 .001 0 %100 34 M19 Z .002 .002 0 %100 35 M20 X .001 .001 0 %100 36 M20 | | | | | | | |
| 25 M15 X .001 .001 0 %100 26 M15 Z .002 .002 0 %100 27 M16 X .000961 .000961 0 %100 28 M16 Z .002 .002 0 %100 29 M17 X .001 .001 0 %100 30 M17 Z .002 .002 0 %100 31 M18 X .000961 .000961 0 %100 32 M18 Z .002 .002 0 %100 33 M19 X .001 .001 0 %100 34 M19 Z .002 .002 .002 0 %100 35 M20 X .001 .001 0 %100 36 M20 Z .002 .002 0 %100 37 M | | | | | | | |
| 26 M15 Z .002 .002 0 %100 27 M16 X .000961 .000961 0 %100 28 M16 Z .002 .002 0 %100 29 M17 X .001 .001 0 %100 30 M17 Z .002 .002 0 %100 31 M18 X .000961 .000961 0 %100 32 M18 Z .002 .002 0 %100 33 M19 X .001 .001 0 %100 34 M19 Z .002 .002 0 %100 35 M20 X .001 .001 0 %100 36 M20 X .001 .001 0 %100 37 M21 X .001 .001 0 %100 38 M21 Z< | | | | | | | |
| 27 M16 X .000961 .000961 0 %100 28 M16 Z .002 .002 0 %100 29 M17 X .001 .001 0 %100 30 M17 Z .002 .002 0 %100 31 M18 X .000961 .000961 0 %100 32 M18 Z .002 .002 0 %100 33 M19 X .001 .001 0 %100 34 M19 Z .002 .002 0 %100 34 M19 Z .002 .002 0 %100 35 M20 X .001 .001 0 %100 36 M20 X .001 .001 0 %100 37 M21 X .001 .001 0 %100 38 M21 X< | | | | | | | |
| 28 M16 Z .002 .002 0 %100 29 M17 X .001 .001 0 %100 30 M17 Z .002 .002 0 %100 31 M18 X .000961 .000961 0 %100 32 M18 Z .002 .002 0 %100 33 M19 X .001 .001 0 %100 34 M19 Z .002 .002 0 %100 35 M20 X .001 .001 0 %100 36 M20 Z .002 .002 0 %100 37 M21 X .001 .001 0 %100 38 M21 Z .002 .002 0 %100 40 M22 X .001 .001 0 %100 41 M23 X | | | | | | | |
| 29 M17 X .001 .001 0 %100 30 M17 Z .002 .002 0 %100 31 M18 X .000961 .002 0 %100 32 M18 Z .002 .002 0 %100 33 M19 X .001 .001 0 %100 34 M19 Z .002 .002 0 %100 35 M20 X .001 .001 0 %100 36 M20 Z .002 .002 0 %100 37 M21 X .001 .001 0 %100 38 M21 Z .002 .002 0 %100 39 M22 X .001 .001 0 %100 40 M22 Z .002 .002 0 %100 41 M23 X | | | | | | | |
| 30 | | | | | | | |
| 31 M18 X .000961 .000961 0 %100 32 M18 Z .002 .002 0 %100 33 M19 X .001 .001 0 %100 34 M19 Z .002 .002 0 %100 35 M20 X .001 .001 0 %100 36 M20 Z .002 .002 0 %100 37 M21 X .001 .001 0 %100 38 M21 Z .002 .002 0 %100 39 M22 X .001 .001 0 %100 40 M22 Z .002 .002 0 %100 41 M23 X .001 .001 0 %100 42 M23 Z .002 .002 0 %100 43 M24 X | | | | | | | |
| 32 M18 Z .002 .002 0 %100 33 M19 X .001 .001 0 %100 34 M19 Z .002 .002 0 %100 35 M20 X .001 .001 0 %100 36 M20 Z .002 .002 0 %100 37 M21 X .001 .001 0 %100 38 M21 Z .002 .002 0 %100 39 M22 X .001 .001 0 %100 40 M22 Z .002 .002 0 %100 41 M23 X .001 .001 0 %100 42 M23 Z .002 .002 0 %100 43 M24 X .002 .002 0 %100 44 M24 Z | | | | | | | |
| 33 M19 X .001 .001 0 %100 34 M19 Z .002 .002 0 %100 35 M20 X .001 .001 0 %100 36 M20 Z .002 .002 0 %100 37 M21 X .001 .001 0 %100 38 M21 Z .002 .002 0 %100 39 M22 X .001 .001 0 %100 40 M22 Z .002 .002 0 %100 41 M23 X .001 .001 0 %100 42 M23 Z .002 .002 0 %100 43 M24 X .002 .002 0 %100 45 M25 X .001 .004 0 %100 46 M25 Z | | | X | | | | |
| 34 M19 Z .002 .002 0 %100 35 M20 X .001 .001 0 %100 36 M20 Z .002 .002 0 %100 37 M21 X .001 .001 0 %100 38 M21 Z .002 .002 0 %100 39 M22 X .001 .001 0 %100 40 M22 Z .002 .002 0 %100 40 M22 Z .002 .002 0 %100 41 M23 X .001 .001 0 %100 42 M23 Z .002 .002 0 %100 43 M24 X .002 .002 0 %100 44 M24 Z .004 .004 0 %100 45 M25 X | | | | | | | |
| 35 M20 X .001 .001 0 %100 36 M20 Z .002 .002 0 %100 37 M21 X .001 .001 0 %100 38 M21 Z .002 .002 0 %100 39 M22 X .001 .001 0 %100 40 M22 Z .002 .002 0 %100 41 M23 X .001 .001 0 %100 42 M23 Z .002 .002 0 %100 43 M24 X .002 .002 0 %100 44 M24 Z .004 .004 0 %100 45 M25 X .001 .001 0 %100 46 M25 Z .002 .002 0 %100 47 M26 X | | | | | | | |
| 36 M20 Z .002 .002 0 %100 37 M21 X .001 .001 0 %100 38 M21 Z .002 .002 0 %100 39 M22 X .001 .001 0 %100 40 M22 Z .002 .002 0 %100 41 M23 X .001 .001 0 %100 42 M23 Z .002 .002 0 %100 43 M24 X .002 .002 0 %100 44 M24 Z .004 .004 0 %100 45 M25 X .001 .001 0 %100 46 M25 Z .002 .002 0 %100 48 M26 X .001 .001 0 %100 49 M27 X | 34 | M19 | | .002 | .002 | 0 | %100 |
| 36 M20 Z .002 .002 0 %100 37 M21 X .001 .001 0 %100 38 M21 Z .002 .002 0 %100 39 M22 X .001 .001 0 %100 40 M22 Z .002 .002 0 %100 41 M23 X .001 .001 0 %100 42 M23 Z .002 .002 0 %100 43 M24 X .002 .002 0 %100 44 M24 Z .004 .004 0 %100 45 M25 X .001 .001 0 %100 46 M25 Z .002 .002 0 %100 48 M26 X .001 .001 0 %100 49 M27 X | 35 | M20 | X | .001 | .001 | 0 | %100 |
| 37 M21 X .001 .001 0 %100 38 M21 Z .002 .002 0 %100 39 M22 X .001 .001 0 %100 40 M22 Z .002 .002 0 %100 41 M23 X .001 .001 0 %100 42 M23 Z .002 .002 0 %100 43 M24 X .002 .002 0 %100 44 M24 Z .004 .004 0 %100 45 M25 X .001 .001 0 %100 46 M25 Z .002 .002 0 %100 47 M26 X .001 .001 0 %100 49 M27 X .001 .001 0 %100 50 M27 Z | 36 | M20 | Z | .002 | .002 | 0 | %100 |
| 38 M21 Z .002 .002 0 %100 39 M22 X .001 .001 0 %100 40 M22 Z .002 .002 0 %100 41 M23 X .001 .001 0 %100 42 M23 Z .002 .002 0 %100 43 M24 X .002 .002 0 %100 44 M24 Z .004 .004 0 %100 45 M25 X .001 .001 0 %100 46 M25 Z .002 .002 0 %100 47 M26 X .001 .001 0 %100 48 M26 Z .002 .002 0 %100 49 M27 X .001 .001 0 %100 50 M27 Z | 37 | | | | .001 | 0 | |
| 39 M22 X .001 .001 0 %100 40 M22 Z .002 .002 0 %100 41 M23 X .001 .001 0 %100 42 M23 Z .002 .002 0 %100 43 M24 X .002 .002 0 %100 44 M24 Z .004 .004 0 %100 45 M25 X .001 .001 0 %100 46 M25 Z .002 .002 0 %100 47 M26 X .001 .001 0 %100 48 M26 Z .002 .002 0 %100 49 M27 X .001 .001 0 %100 50 M27 Z .002 .002 0 %100 51 M28 X | 38 | M21 | Z | | | | |
| 40 M22 Z .002 .002 0 %100 41 M23 X .001 .001 0 %100 42 M23 Z .002 .002 0 %100 43 M24 X .002 .002 0 %100 44 M24 Z .004 .004 0 %100 45 M25 X .001 .001 0 %100 46 M25 Z .002 .002 0 %100 47 M26 X .001 .001 0 %100 48 M26 Z .002 .002 0 %100 49 M27 X .001 .001 0 %100 50 M27 Z .002 .002 0 %100 51 M28 X .001 .001 0 %100 52 M28 Z .002 .002 0 %100 | | | | | | 0 | |
| 41 M23 X .001 .001 0 %100 42 M23 Z .002 .002 0 %100 43 M24 X .002 .002 0 %100 44 M24 Z .004 .004 0 %100 45 M25 X .001 .001 0 %100 46 M25 Z .002 .002 0 %100 47 M26 X .001 .001 0 %100 48 M26 Z .002 .002 0 %100 49 M27 X .001 .001 0 %100 50 M27 Z .002 .002 0 %100 51 M28 X .001 .001 0 %100 52 M28 Z .002 .002 0 %100 | | | | | | | |
| 42 M23 Z .002 .002 0 %100 43 M24 X .002 .002 0 %100 44 M24 Z .004 .004 0 %100 45 M25 X .001 .001 0 %100 46 M25 Z .002 .002 0 %100 47 M26 X .001 .001 0 %100 48 M26 Z .002 .002 0 %100 49 M27 X .001 .001 0 %100 50 M27 Z .002 .002 0 %100 51 M28 X .001 .001 0 %100 52 M28 Z .002 .002 0 %100 | | | | | | - | |
| 43 M24 X .002 .002 0 %100 44 M24 Z .004 .004 0 %100 45 M25 X .001 .001 0 %100 46 M25 Z .002 .002 0 %100 47 M26 X .001 .001 0 %100 48 M26 Z .002 .002 0 %100 49 M27 X .001 .001 0 %100 50 M27 Z .002 .002 0 %100 51 M28 X .001 .001 0 %100 52 M28 Z .002 .002 0 %100 | | | 7 | | | | |
| 44 M24 Z .004 .004 0 %100 45 M25 X .001 .001 0 %100 46 M25 Z .002 .002 0 %100 47 M26 X .001 .001 0 %100 48 M26 Z .002 .002 0 %100 49 M27 X .001 .001 0 %100 50 M27 Z .002 .002 0 %100 51 M28 X .001 .001 0 %100 52 M28 Z .002 .002 0 %100 | | | | | | | |
| 45 M25 X .001 .001 0 %100 46 M25 Z .002 .002 0 %100 47 M26 X .001 .001 0 %100 48 M26 Z .002 .002 0 %100 49 M27 X .001 .001 0 %100 50 M27 Z .002 .002 0 %100 51 M28 X .001 .001 0 %100 52 M28 Z .002 .002 0 %100 | | | | | | | |
| 46 M25 Z .002 .002 0 %100 47 M26 X .001 .001 0 %100 48 M26 Z .002 .002 0 %100 49 M27 X .001 .001 0 %100 50 M27 Z .002 .002 0 %100 51 M28 X .001 .001 0 %100 52 M28 Z .002 .002 0 %100 | | | | | | | |
| 47 M26 X .001 .001 0 %100 48 M26 Z .002 .002 0 %100 49 M27 X .001 .001 0 %100 50 M27 Z .002 .002 0 %100 51 M28 X .001 .001 0 %100 52 M28 Z .002 .002 0 %100 | | | 7 | | | | |
| 48 M26 Z .002 .002 0 %100 49 M27 X .001 .001 0 %100 50 M27 Z .002 .002 0 %100 51 M28 X .001 .001 0 %100 52 M28 Z .002 .002 0 %100 | | | | | | | |
| 49 M27 X .001 .001 0 %100 50 M27 Z .002 .002 0 %100 51 M28 X .001 .001 0 %100 52 M28 Z .002 .002 0 %100 | | | 7 | | | | |
| 50 M27 Z .002 .002 0 %100 51 M28 X .001 .001 0 %100 52 M28 Z .002 .002 0 %100 | | | | | | | |
| 51 M28 X .001 .001 0 %100 52 M28 Z .002 .002 0 %100 | | | 7 | | | | |
| 52 M28 Z .002 .002 0 %100 | | | | | | | |
| | | | ^ | | | | |
| | | | | | | | |
| 53 M29 X .001 .001 0 %100 | | | <u> </u> | | | | |
| 54 M29 Z .002 .002 0 %100 | | | | | | | |
| 55 M30 X .001 .001 0 %100 | | | X | | | | |
| 56 M30 Z .002 .002 0 %100 | | | Z | | | | |
| 57 M31 X .001 .001 0 %100 | | | X | | | | |
| 58 M31 Z .002 .002 0 %100 | | | | | | | |
| 59 M32 X .001 .001 0 %100 | | | X | | | | |
| 60 M32 Z .002 .002 0 %100 | | | | | | | |
| 61 M33 X .001 .001 0 %100 | | | X | | | | |
| 62 M33 Z .002 .002 0 %100 | | | Z | | .002 | 0 | |
| 63 M34 X .001 .001 0 %100 | 63 | M34 | X | .001 | .001 | 0 | %100 |
| 64 M34 Z .002 .002 0 %100 | 64 | M34 | Z | .002 | .002 | | |
| 65 M35 X .002 .002 0 %100 | 65 | M35 | | .002 | .002 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 66 | M35 | Z | .004 | .004 | 0 | %100 |
| 67 | M36 | X | .001 | .001 | 0 | %100 |
| 68 | M36 | Z | .002 | .002 | 0 | %100 |
| 69 | MP6A | X | .003 | .003 | 0 | %100 |
| 70 | MP6A | Z | .005 | .005 | 0 | %100 |
| 71 | MP5A | X | .003 | .003 | 0 | %100 |
| 72 | MP5A | Z | .005 | .005 | 0 | %100 |
| 73 | MP3A | X | .003 | .003 | 0 | %100 |
| 74 | MP3A | Z | .006 | .006 | 0 | %100 |
| 75 | MP1A | X | .003 | .003 | 0 | %100 |
| 76 | MP1A | Z | .005 | .005 | 0 | %100 |
| 77 | MP4A | X | .003 | .003 | 0 | %100 |
| 78 | MP4A | Z | .005 | .005 | 0 | %100 |
| 79 | MP2A | X | .003 | .003 | 0 | %100 |
| 80 | MP2A | Z | .005 | .005 | 0 | %100 |
| 81 | M55 | X | .000208 | .000208 | 0 | %100 |
| 82 | M55 | Z | .00036 | .00036 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 1 | M1 | X | 0 | 0 | 0 | %100 |
| 2 | M1 | Z | .007 | .007 | 0 | %100 |
| 3 | M3 | X | 0 | 0 | 0 | %100 |
| 4 | M3 | Z | .007 | .007 | 0 | %100 |
| 5 | M5 | X | 0 | 0 | 0 | %100 |
| 6 | M5 | Z | .000411 | .000411 | 0 | %100 |
| 7 | M6 | X | 0 | 0 | 0 | %100 |
| 8 | M6 | Z | .000411 | .000411 | 0 | %100 |
| 9 | M7 | X | 0 | 0 | 0 | %100 |
| 10 | M7 | Z | .006 | .006 | 0 | %100 |
| 11 | M8 | X | 0 | 0 | 0 | %100 |
| 12 | M8 | Z | .000411 | .000411 | 0 | %100 |
| 13 | M9 | X | 0 | 0 | 0 | %100 |
| 14 | M9 | Z | .000411 | .000411 | 0 | %100 |
| 15 | M10 | X | 0 | 0 | 0 | %100 |
| 16 | M10 | Z | .006 | .006 | 0 | %100 |
| 17 | OVP | X | 0 | 0 | 0 | %100 |
| 18 | OVP | Z | .003 | .003 | 0 | %100 |
| 19 | M12 | X | 0 | 0 | 0 | %100 |
| 20 | M12 | Z | .003 | .003 | 0 | %100 |
| 21 | M13 | X | 0 | 0 | 0 | %100 |
| 22 | M13 | Z | .003 | .003 | 0 | %100 |
| 23 | M14 | X | 0 | 0 | 0 | %100 |
| 24 | M14 | Z | .003 | .003 | 0 | %100 |
| 25 | M15 | X | 0 | 0 | 0 | %100 |
| 26 | M15 | Z | .000885 | .000885 | 0 | %100 |
| 27 | M16 | X | 0 | 0 | 0 | %100 |
| 28 | M16 | Z | .002 | .002 | 0 | %100 |
| 29 | M17 | X | 0 | 0 | 0 | %100 |
| 30 | M17 | Z | .000885 | .000885 | 0 | %100 |
| 31 | M18 | X | 0 | 0 | 0 | %100 |
| 32 | M18 | Z | .002 | .002 | 0 | %100 |
| 33 | M19 | X | 0 | 0 | 0 | %100 |
| 34 | M19 | Z | .001 | .001 | 0 | %100 |
| 35 | M20 | X | 0 | 0 | 0 | %100 |
| 36 | M20 | Z | .000885 | .000885 | 0 | %100 |

Company Designer : NL

Job Number 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| 38 M21 Z .000885 .000885 0 %6 39 M22 X 0 0 0 %6 40 M22 Z .003 .003 0 %6 41 M23 X 0 0 0 0 %6 42 M23 Z .003 .003 .003 0 %6 43 M24 X 0 0 0 %6 %6 44 M24 Z .004 .004 0 %6 %6 45 M25 X 0 0 0 %6 %6 46 M25 Z .001 .001 0 %6 %6 47 M26 X 0 0 0 %6 %6 49 M27 X 0 0 0 %6 %6 50 M27 Z .002 .002 .002 </th <th>100 100 100 100</th> | 100 100 100 100 |
|--|--------------------------|
| 39 M22 X 0 0 0 %' 40 M22 Z .003 .003 0 %' 41 M23 X 0 0 0 0 %' 42 M23 Z .003 .003 0 %' 43 M24 X 0 0 0 %' 44 M24 X 0 0 0 %' 45 M25 X 0 0 0 %' 46 M25 Z .001 .001 0 %' 46 M25 Z .001 .001 0 %' 48 M26 X 0 0 0 %' 49 M27 X 0 0 0 %' 50 M27 Z .002 .002 0 %' 51 M28 X 0 0 0 <td>100</td> | 100 |
| 40 M22 Z .003 .003 0 %' 41 M23 X 0 0 0 %' 42 M23 Z .003 .003 0 %' 43 M24 X 0 0 0 %' 44 M24 Z .004 .004 0 %' 45 M25 X 0 0 0 %' 46 M25 Z .001 .001 0 %' 47 M26 X 0 0 0 %' 48 M26 Z .000885 .000885 0 %' 49 M27 X 0 0 0 %' 50 M27 Z .002 .002 0 %' 51 M28 X 0 0 0 %' 52 M28 Z .000885 .000885 <td< td=""><td></td></td<> | |
| 41 M23 X 0 0 0 %' 42 M23 Z .003 .003 0 %' 43 M24 X 0 0 0 0 %' 44 M24 Z .004 .004 0 %' 45 M25 X 0 0 0 %' 46 M25 Z .001 .001 0 %' 47 M26 X 0 0 0 %' 48 M26 Z .000885 .000885 0 %' 49 M27 X 0 0 0 %' 50 M27 Z .002 .002 0 %' 51 M28 X 0 0 0 %' 52 M28 Z .000885 .000885 0 %' 53 M29 X 0 0 <td>100</td> | 100 |
| 42 M23 Z .003 .003 0 %' 43 M24 X 0 0 0 %' 44 M24 Z .004 .004 0 %' 45 M25 X 0 0 0 %' 46 M25 Z .001 .001 0 %' 47 M26 X 0 0 0 %' 48 M26 Z .000885 .000885 0 %' 49 M27 X 0 0 0 %' 50 M27 Z .002 .002 0 %' 51 M28 X 0 0 0 %' 52 M28 Z .000885 .000885 0 %' 53 M29 X 0 0 0 %' 54 M29 Z .002 .002 <td< td=""><td></td></td<> | |
| 43 M24 X 0 0 0 % 44 M24 Z .004 .004 0 % 45 M25 X 0 0 0 % 46 M25 Z .001 .001 0 % 47 M26 X 0 0 0 0 % 48 M26 Z .000885 .000885 0 % 49 M27 X 0 0 0 % 50 M27 Z .002 .002 0 % 51 M28 X 0 0 0 % 52 M28 Z .000885 .000885 0 % 53 M29 X 0 0 0 % 54 M29 Z .002 .002 0 % 55 M30 X 0 0 <t< td=""><td>100</td></t<> | 100 |
| 44 M24 Z .004 .004 0 %' 45 M25 X 0 0 0 %' 46 M25 Z .001 .001 0 %' 47 M26 X 0 0 0 %' 48 M26 Z .000885 .000885 0 %' 49 M27 X 0 0 0 %' 50 M27 Z .002 .002 0 %' 51 M28 X 0 0 0 %' 52 M28 Z .000885 .000885 0 %' 53 M29 X 0 0 0 %' 54 M29 Z .002 .002 0 %' 55 M30 X 0 0 0 %' 56 M30 Z .001 .001 <td< td=""><td>100</td></td<> | 100 |
| 44 M24 Z .004 .004 0 %' 45 M25 X 0 0 0 %' 46 M25 Z .001 .001 0 %' 47 M26 X 0 0 0 %' 48 M26 Z .000885 .000885 0 %' 49 M27 X 0 0 0 %' 50 M27 Z .002 .002 0 %' 51 M28 X 0 0 0 %' 52 M28 Z .000885 .000885 0 %' 53 M29 X 0 0 0 %' 54 M29 Z .002 .002 0 %' 55 M30 X 0 0 0 %' 56 M30 Z .001 .001 <td< td=""><td>100</td></td<> | 100 |
| 45 M25 X 0 0 0 % 46 M25 Z .001 .001 0 % 47 M26 X 0 0 0 % 48 M26 Z .000885 .000885 0 % 49 M27 X 0 0 0 % % 50 M27 Z .002 .002 .002 0 % % 51 M28 X 0 0 0 % % 52 M28 Z .000885 .000885 0 % 53 M29 X 0 0 0 % 54 M29 Z .002 .002 .002 0 % 55 M30 X 0 0 0 % % 56 M30 Z .001 .001 0 % % <td>100</td> | 100 |
| 46 M25 Z .001 .001 0 % 47 M26 X 0 0 0 % 48 M26 Z .000885 .000885 0 % 49 M27 X 0 0 0 % 50 M27 Z .002 .002 0 % 51 M28 X 0 0 0 % 52 M28 Z .000885 .000885 0 % 53 M29 X 0 0 0 % 54 M29 Z .002 .002 0 % 55 M30 X 0 0 0 % 56 M30 Z .001 .001 0 % 57 M31 X 0 0 0 % 59 M32 X 0 0 0 <t< td=""><td>100</td></t<> | 100 |
| 47 M26 X 0 0 0 % 48 M26 Z .000885 .000885 0 % 49 M27 X 0 0 0 % 50 M27 Z .002 .002 0 % 51 M28 X 0 0 0 % 52 M28 Z .000885 .000885 0 % 53 M29 X 0 0 0 % 54 M29 Z .002 .002 0 % 55 M30 X 0 0 0 % 56 M30 Z .001 .001 0 % 57 M31 X 0 0 0 % 58 M31 Z .000885 .000885 0 % 59 M32 X 0 0 0 % 60 M32 Z .000885 .000885 .000885 0 <td>100</td> | 100 |
| 48 M26 Z .000885 .000885 0 %' 49 M27 X 0 0 0 %' 50 M27 Z .002 .002 0 %' 51 M28 X 0 0 0 %' 52 M28 Z .000885 .000885 0 %' 53 M29 X 0 0 0 %' 54 M29 Z .002 .002 0 %' 55 M30 X 0 0 0 %' 56 M30 Z .001 .001 0 %' 57 M31 X 0 0 0 %' 58 M31 Z .000885 .000885 0 %' 59 M32 X 0 0 0 %' 60 M32 Z .000885 .000885 .000885 0 %' | 100 |
| 49 M27 X 0 0 0 %' 50 M27 Z .002 .002 0 %' 51 M28 X 0 0 0 0 %' 52 M28 Z .000885 .000885 0 %' 53 M29 X 0 0 0 %' 54 M29 Z .002 .002 0 %' 55 M30 X 0 0 0 %' 56 M30 Z .001 .001 0 %' 57 M31 X 0 0 0 %' 58 M31 Z .000885 .000885 0 %' 59 M32 X 0 0 0 %' 60 M32 Z .000885 .000885 .000885 0 %' | 100 |
| 50 M27 Z .002 .002 0 %' 51 M28 X 0 0 0 0 %' 52 M28 Z .000885 .000885 0 %' 53 M29 X 0 0 0 %' 54 M29 Z .002 .002 0 %' 55 M30 X 0 0 0 %' 56 M30 Z .001 .001 0 %' 57 M31 X 0 0 0 %' 58 M31 Z .000885 .000885 0 %' 59 M32 X 0 0 0 %' 60 M32 Z .000885 .000885 .000885 0 %' | 100 |
| 51 M28 X 0 0 0 %' 52 M28 Z .000885 .000885 0 %' 53 M29 X 0 0 0 %' 54 M29 Z .002 .002 0 %' 55 M30 X 0 0 0 %' 56 M30 Z .001 .001 0 %' 57 M31 X 0 0 0 %' 58 M31 Z .000885 .000885 0 %' 60 M32 Z .000885 .000885 0 %' | 100 |
| 52 M28 Z .000885 .000885 0 %' 53 M29 X 0 0 0 %' 54 M29 Z .002 .002 0 %' 55 M30 X 0 0 0 %' 56 M30 Z .001 .001 0 %' 57 M31 X 0 0 0 %' 58 M31 Z .000885 .000885 0 %' 59 M32 X 0 0 0 %' 60 M32 Z .000885 .000885 0 %' | 100 |
| 53 M29 X 0 0 0 %' 54 M29 Z .002 .002 0 %' 55 M30 X 0 0 0 0 %' 56 M30 Z .001 .001 0 %' 57 M31 X 0 0 0 %' 58 M31 Z .000885 .000885 0 %' 59 M32 X 0 0 0 %' 60 M32 Z .000885 .000885 0 %' | 100 |
| 54 M29 Z .002 .002 0 %' 55 M30 X 0 0 0 0 %' 56 M30 Z .001 .001 0 %' 57 M31 X 0 0 0 %' 58 M31 Z .000885 .000885 0 %' 59 M32 X 0 0 0 %' 60 M32 Z .000885 .000885 0 %' | 100 |
| 55 M30 X 0 0 0 %' 56 M30 Z .001 .001 0 %' 57 M31 X 0 0 0 0 %' 58 M31 Z .000885 .000885 0 %' 59 M32 X 0 0 0 %' 60 M32 Z .000885 .000885 0 %' | 100 |
| 56 M30 Z .001 .001 0 %' 57 M31 X 0 0 0 0 %' 58 M31 Z .000885 .000885 0 %' 59 M32 X 0 0 0 %' 60 M32 Z .000885 .000885 0 %' | 100 |
| 57 M31 X 0 0 0 %' 58 M31 Z .000885 .000885 0 %' 59 M32 X 0 0 0 %' 60 M32 Z .000885 .000885 0 %' | 100 |
| 58 M31 Z .000885 .000885 0 %' 59 M32 X 0 0 0 %' 60 M32 Z .000885 .000885 0 %' | 100 |
| 59 M32 X 0 0 0 % 60 M32 Z .000885 .000885 0 % | 100 |
| 60 M32 Z .000885 .000885 0 % | 100 |
| | 100 |
| | 100 |
| 62 M33 Z .003 .003 0 % | 100 |
| | 100 |
| | 100 |
| | 100 |
| | 100 |
| | 100 |
| | 100 |
| | 100 |
| 70 MP6A Z .005 .005 0 % | 100 |
| | 100 |
| | 100 |
| | 100 |
| 74 MP3A Z .006 .006 0 % | 100 |
| | 100 |
| | 100 |
| | 100 |
| | 100 |
| | 100 |
| | 100 |
| | 100 |
| 82 M55 Z .001 .001 0 % | |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|---|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 1 | M1 | X | 003 | 003 | 0 | %100 |
| 2 | M1 | Z | .004 | .004 | 0 | %100 |
| 3 | M3 | X | 003 | 003 | 0 | %100 |
| 4 | M3 | Z | .004 | .004 | 0 | %100 |
| 5 | M5 | X | -2.6e-5 | -2.6e-5 | 0 | %100 |
| 6 | M5 | Z | 4.5e-5 | 4.5e-5 | 0 | %100 |
| 7 | M6 | X | 000389 | 000389 | 0 | %100 |

: NL

Company Designer Job Number : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | 1 | . End Magnitude[lb/ft,F | .Start Location[in,%] | |
|----|--------------|-----------|---------|-------------------------|-----------------------|--------------|
| 8 | M6 | Z | .000674 | .000674 | 0 | %100 |
| 9 | M7 | X | 002 | 002 | 0 | %100 |
| 10 | M7 | Z | .004 | .004 | 0 | %100 |
| 11 | <u>M8</u> | X | -2.6e-5 | -2.6e-5 | 0 | %100 |
| 12 | M8 | Z | 4.5e-5 | 4.5e-5 | 0 | %100 |
| 13 | M9 | X | 000389 | 000389 | 0 | %100 |
| 14 | M9 | Z | .000674 | .000674 | 0 | %100 |
| 15 | M10 | X | 002 | 002 | 0 | %100 |
| 16 | M10 | Z | .004 | .004 | 0 | %100 |
| 17 | OVP | X | 000165 | 000165 | 0 | %100 |
| 18 | OVP | Z | .000287 | .000287 | 0 | %100 |
| 19 | M12 | Χ | 002 | 002 | 0 | %100 |
| 20 | M12 | Z | .004 | .004 | 0 | %100 |
| 21 | M13 | X | 000165 | 000165 | 0 | %100 |
| 22 | M13 | Z | .000287 | .000287 | 0 | %100 |
| 23 | M14 | X | 002 | 002 | 0 | %100 |
| 24 | M14 | Z | .004 | .004 | 0 | %100 |
| 25 | M15 | X | 001 | 001 | 0 | %100 |
| 26 | M15 | Z | .002 | .002 | 0 | %100 |
| 27 | M16 | X | 001 | 001 | 0 | %100 %100 |
| 28 | M16 | Z | .002 | .002 | Ö | %100 %100 |
| 29 | M17 | X | 001 | 001 | 0 | %100 %100 |
| 30 | M17 | Z | .002 | .002 | 0 | %100 %100 |
| 31 | M18 | X | 001 | 001 | 0 | %100 %100 |
| 32 | M18 | Ž | .002 | .002 | 0 | %100 %100 |
| 33 | M19 | X | 001 | 001 | 0 | %100 %100 |
| 34 | M19 | Ž | .002 | .002 | 0 | %100 %100 |
| 35 | M20 | X | 001 | 001 | | |
| | | Z | | | 0 | %100 %100 |
| 36 | M20 | | .002 | .002 | 0 | %100 %400 |
| 37 | M21 | X | 001 | 001 | 0 | %100 |
| 38 | M21 | Z | .002 | .002 | 0 | %100 |
| 39 | M22 | X | 001 | 001 | 0 | %100 |
| 40 | M22 | Z | .002 | .002 | 0 | %100 |
| 41 | M23 | X | 001 | 001 | 0 | %100 |
| 42 | M23 | Z | .002 | .002 | 0 | %100 |
| 43 | M24 | X | 002 | 002 | 0 | %100 |
| 44 | M24 | Z | .004 | .004 | 0 | %100 |
| 45 | M25 | X | 001 | 001 | 0 | %100 |
| 46 | M25 | Z | .002 | .002 | 0 | %100 |
| 47 | M26 | X | 001 | 001 | 0 | %100 |
| 48 | M26 | Z | .002 | .002 | 0 | %100 |
| 49 | M27 | X | 000961 | 000961 | 0 | %100 |
| 50 | M27 | Z | .002 | .002 | 0 | %100 |
| 51 | M28 | X | 001 | 001 | 0 | %100 |
| 52 | M28 | Z | .002 | .002 | 0 | %100 |
| 53 | M29 | X | 000961 | 000961 | 0 | %100 |
| 54 | M29 | Z | .002 | .002 | 0 | %100 |
| 55 | M30 | X | 001 | 001 | 0 | %100 |
| 56 | M30 | Z | .002 | .002 | 0 | %100 |
| 57 | M31 | X | 001 | 001 | 0 | %100 |
| 58 | M31 | Z | .002 | .002 | 0 | %100 |
| 59 | M32 | X | 001 | 001 | 0 | %100 |
| 60 | M32 | Z | .002 | .002 | 0 | %100 %100 |
| 61 | M33 | X | 001 | 001 | 0 | %100 %100 |
| 62 | M33 | Z | .002 | .002 | Ö | %100 %100 |
| 63 | M34 | X | 001 | 001 | 0 | %100 %100 |
| 64 | M34 | Z | .002 | .002 | 0 | %100 %100 |
| UT | IVIVT | _ | .002 | .002 | • | 70100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-------------------------|-----------------------|--------------------|
| 65 | M35 | X | 002 | 002 | 0 | %100 |
| 66 | M35 | Z | .004 | .004 | 0 | %100 |
| 67 | M36 | X | 001 | 001 | 0 | %100 |
| 68 | M36 | Z | .002 | .002 | 0 | %100 |
| 69 | MP6A | X | 003 | 003 | 0 | %100 |
| 70 | MP6A | Z | .005 | .005 | 0 | %100 |
| 71 | MP5A | X | 003 | 003 | 0 | %100 |
| 72 | MP5A | Z | .005 | .005 | 0 | %100 |
| 73 | MP3A | X | 003 | 003 | 0 | %100 |
| 74 | MP3A | Z | .006 | .006 | 0 | %100 |
| 75 | MP1A | X | 003 | 003 | 0 | %100 |
| 76 | MP1A | Z | .005 | .005 | 0 | %100 |
| 77 | MP4A | X | 003 | 003 | 0 | %100 |
| 78 | MP4A | Z | .005 | .005 | 0 | %100 |
| 79 | MP2A | X | 003 | 003 | 0 | %100 |
| 80 | MP2A | Z | .005 | .005 | 0 | %100 |
| 81 | M55 | X | 003 | 003 | 0 | %100 |
| 82 | M55 | Z | .004 | .004 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | |
|----|--------------|-----------|------------------------|-------------------------|-----------------------|------|
| 1 | <u>M1</u> | X | 001 | 001 | 0 | %100 |
| 2 | M1 | Z | .000839 | .000839 | 0 | %100 |
| 3 | M3 | X | 001 | 001 | 0 | %100 |
| 4 | M3 | Z | .000839 | .000839 | 0 | %100 |
| 5 | M5 | X | -5.2e-5 | -5.2e-5 | 0 | %100 |
| 6 | M5 | Z | 3e-5 | 3e-5 | 0 | %100 |
| 7 | M6 | X | 000681 | 000681 | 0 | %100 |
| 8 | M6 | Z | .000393 | .000393 | 0 | %100 |
| 9 | M7 | X | 001 | 001 | 0 | %100 |
| 10 | M7 | Z | .000804 | .000804 | 0 | %100 |
| 11 | M8 | X | -5.2e-5 | -5.2e-5 | 0 | %100 |
| 12 | M8 | Z | 3e-5 | 3e-5 | 0 | %100 |
| 13 | M9 | X | 000681 | 000681 | 0 | %100 |
| 14 | M9 | Z | .000393 | .000393 | 0 | %100 |
| 15 | M10 | X | 001 | 001 | 0 | %100 |
| 16 | M10 | Z | .000804 | .000804 | 0 | %100 |
| 17 | OVP | X | 00033 | 00033 | 0 | %100 |
| 18 | OVP | Z | .000191 | .000191 | 0 | %100 |
| 19 | M12 | X | 004 | 004 | 0 | %100 |
| 20 | M12 | Z | .002 | .002 | 0 | %100 |
| 21 | M13 | X | 00033 | 00033 | 0 | %100 |
| 22 | M13 | Z | .000191 | .000191 | 0 | %100 |
| 23 | M14 | X | 004 | 004 | 0 | %100 |
| 24 | M14 | Z | .002 | .002 | 0 | %100 |
| 25 | M15 | X | 005 | 005 | 0 | %100 |
| 26 | M15 | Z | .003 | .003 | 0 | %100 |
| 27 | M16 | X | 002 | 002 | 0 | %100 |
| 28 | M16 | Z | .001 | .001 | 0 | %100 |
| 29 | M17 | X | 005 | 005 | 0 | %100 |
| 30 | M17 | Z | .003 | .003 | 0 | %100 |
| 31 | M18 | X | 002 | 002 | 0 | %100 |
| 32 | M18 | Z | .001 | .001 | 0 | %100 |
| 33 | M19 | X Z | 005 | 005 | 0 | %100 |
| 34 | M19 | Z | .003 | .003 | 0 | %100 |
| 35 | M20 | X | 005 | 005 | 0 | %100 |
| | | | | | | |

Company Designer : Maser Consulting Jan 11, 2022

: NL 1:33 PM Job Number : 21777866A Checked By: DH Model Name : Mount Analysis

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

| | Member Label | Direction | Start Magnitude[lb/ft, | . End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-------------------------|-----------------------|--------------------|
| 36 | M20 | Z | .003 | .003 | 0 | %100 |
| 37 | M21 | X | 005 | 005 | 0 | %100 |
| 38 | M21 | Z | .003 | .003 | 0 | %100 |
| 39 | M22 | X | 002 | 002 | 0 | %100 |
| 40 | M22 | Z | .001 | .001 | 0 | %100 |
| 41 | M23 | X | 002 | 002 | 0 | %100 |
| 42 | M23 | Z | .001 | .001 | 0 | %100 |
| 43 | M24 | X | 004 | 004 | 0 | %100 |
| 44 | M24 | Z | .002 | .002 | 0 | %100 |
| 45 | M25 | X | 005 | 005 | 0 | %100 |
| 46 | M25 | Z | .003 | .003 | 0 | %100 |
| 47 | M26 | X | 005 | 005 | 0 | %100 |
| 48 | M26 | Z | .003 | .003 | 0 | %100 |
| 49 | M27 | X | 002 | 002 | 0 | %100 |
| 50 | M27 | Z | .000965 | .000965 | Ö | %100 |
| 51 | M28 | X | 005 | 005 | 0 | %100 |
| 52 | M28 | Z | .003 | .003 | 0 | %100 |
| 53 | M29 | X | 002 | 002 | 0 | %100 |
| 54 | M29 | Z | .000965 | .000965 | 0 | %100 |
| 55 | M30 | X | 005 | 005 | 0 | %100 |
| 56 | M30 | Z | .003 | .003 | 0 | %100 |
| 57 | M31 | X | 005 | 005 | 0 | %100 |
| 58 | M31 | Z | .003 | .003 | 0 | %100 |
| 59 | M32 | X | 005 | 005 | 0 | %100 |
| 60 | M32 | Z | .003 | .003 | 0 | %100 |
| 61 | M33 | X | 002 | 002 | 0 | %100 |
| 62 | M33 | Z | .001 | .001 | Ö | %100 |
| 63 | M34 | X | 002 | 002 | 0 | %100 |
| 64 | M34 | Z | .001 | .001 | 0 | %100 |
| 65 | M35 | X | 004 | 004 | 0 | %100 |
| 66 | M35 | Z | .002 | .002 | 0 | %100 |
| 67 | M36 | X | 005 | 005 | 0 | %100 |
| 68 | M36 | Z | .003 | .003 | 0 | %100 |
| 69 | MP6A | X | 005 | 005 | 0 | %100 |
| 70 | MP6A | Z | .003 | .003 | 0 | %100 |
| 71 | MP5A | X | 005 | 005 | 0 | %100 |
| 72 | MP5A | Z | .003 | .003 | 0 | %100 |
| 73 | MP3A | X | 006 | 006 | 0 | %100 |
| 74 | MP3A | Z | .003 | .003 | 0 | %100 |
| 75 | MP1A | X | 005 | 005 | 0 | %100 |
| 76 | MP1A | Z | .003 | .003 | 0 | %100 |
| 77 | MP4A | X | 005 | 005 | 0 | %100 |
| 78 | MP4A | Z | .003 | .003 | 0 | %100 |
| 79 | MP2A | X | 005 | 005 | 0 | %100 %100 |
| 80 | MP2A | Z | .003 | .003 | 0 | %100 %100 |
| 81 | M55 | X | 007 | 007 | 0 | %100 %100 |
| 82 | M55 | Z | .004 | .004 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | Start Location[in,%] | End Location[in,%] |
|---|--------------|-----------|------------------------|-----------------------|----------------------|--------------------|
| 1 | M1 | X | 0 | 0 | 0 | %100 |
| 2 | M1 | Z | 0 | 0 | 0 | %100 |
| 3 | M3 | X | 0 | 0 | 0 | %100 |
| 4 | M3 | Z | 0 | 0 | 0 | %100 |
| 5 | M5 | X | 000427 | 000427 | 0 | %100 |
| 6 | M5 | Z | 0 | 0 | 0 | %100 |

Company Designer Job Number : NL : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | | End Magnitude[lb/ft,F | .Start Location[in,%] | |
|----|--------------|-----------|--------|-----------------------|-----------------------|--------------|
| 7 | M6 | X | 000427 | 000427 | 0 | %100 |
| 8 | M6 | Z | 0 | 0 | 0 | %100 |
| 9 | M7 | X | 0 | 0 | 0 | %100 |
| 10 | M7 | Z | 0 | 0 | 0 | %100 |
| 11 | M8 | X | 000427 | 000427 | 0 | %100 |
| 12 | M8 | Z | 0 | 0 | 0 | %100 |
| 13 | M9 | X | 000427 | 000427 | 0 | %100 |
| 14 | M9 | Z | 0 | 0 | 0 | %100 |
| 15 | M10 | X | 0 | 0 | 0 | %100 |
| 16 | M10 | Z | 0 | 0 | 0 | %100 |
| 17 | OVP | X | 003 | 003 | 0 | %100 |
| 18 | OVP | Ž | 0 | 0 | Ö | %100 |
| 19 | M12 | X | 003 | 003 | 0 | %100 |
| 20 | M12 | Z | 0 | 0 | 0 | %100 %100 |
| 21 | M13 | X | 003 | 003 | 0 | %100 %100 |
| 22 | M13 | Z | 0 | 0 | 0 | %100 %100 |
| 23 | M14 | X | 003 | 003 | 0 | %100 %100 |
| 24 | M14 | Z | 0 | 0 | 0 | %100 %100 |
| 25 | M15 | X | 007 | 007 | 0 | %100 %100 |
| 26 | M15 | Z | 007 | 007 | 0 | %100 %100 |
| 27 | M16 | X | 002 | 002 | 0 | %100 %100 |
| 28 | M16 | Z | 002 | 002 | 0 | %100 %100 |
| 29 | M17 | X | 007 | 007 | 0 | %100 %100 |
| 30 | M17 | Z | 007 | 007 | 0 | %100 %100 |
| 31 | M18 | X | 002 | 002 | | %100 %100 |
| | | Z | | | 0 | |
| 32 | M18 | | 0 | 0 | 0 | %100 |
| 33 | M19 | X | 007 | 007 | 0 | %100 |
| 34 | M19 | Z | 0 | 0 | 0 | %100 |
| 35 | M20 | X | 007 | 007 | 0 | %100 |
| 36 | M20 | Z | 0 | 0 | 0 | %100 |
| 37 | M21 | X | 007 | 007 | 0 | %100 |
| 38 | M21 | Z | 0 | 0 | 0 | %100 |
| 39 | M22 | X | 003 | 003 | 0 | %100 |
| 40 | M22 | Z | 0 | 0 | 0 | %100 |
| 41 | M23 | X | 003 | 003 | 0 | %100 |
| 42 | M23 | Z | 0 | 0 | 0 | %100 |
| 43 | M24 | X | 004 | 004 | 0 | %100 |
| 44 | M24 | Z | 0 | 0 | 0 | %100 |
| 45 | M25 | X | 007 | 007 | 0 | %100 |
| 46 | M25 | Z | 0 | 0 | 0 | %100 |
| 47 | M26 | X | 007 | 007 | 0 | %100 |
| 48 | M26 | Z | 0 | 0 | 0 | %100 |
| 49 | M27 | X | 002 | 002 | 0 | %100 |
| 50 | M27 | Z | 0 | 0 | 0 | %100 |
| 51 | M28 | X | 007 | 007 | 0 | %100 |
| 52 | M28 | Z | 0 | 0 | 0 | %100 |
| 53 | M29 | X | 002 | 002 | 0 | %100 |
| 54 | M29 | Z | 0 | 0 | 0 | %100 |
| 55 | M30 | X | 007 | 007 | 0 | %100 |
| 56 | M30 | Z | 0 | 0 | 0 | %100 |
| 57 | M31 | X | 007 | 007 | 0 | %100 |
| 58 | M31 | Z | 0 | 0 | 0 | %100 |
| 59 | M32 | X | 007 | 007 | 0 | %100 |
| 60 | M32 | Z | 0 | 0 | 0 | %100 |
| 61 | M33 | Χ | 003 | 003 | 0 | %100 |
| 62 | M33 | Z | 0 | 0 | 0 | %100 |
| 63 | M34 | X | 003 | 003 | 0 | %100 |

Company Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | .Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|-----------------------|--------------------|
| 64 | M34 | Z | 0 | 0 | 0 | %100 |
| 65 | M35 | X | 004 | 004 | 0 | %100 |
| 66 | M35 | Z | 0 | 0 | 0 | %100 |
| 67 | M36 | X | 007 | 007 | 0 | %100 |
| 68 | M36 | Z | 0 | 0 | 0 | %100 |
| 69 | MP6A | X | 005 | 005 | 0 | %100 |
| 70 | MP6A | Z | 0 | 0 | 0 | %100 |
| 71 | MP5A | X | 005 | 005 | 0 | %100 |
| 72 | MP5A | Z | 0 | 0 | 0 | %100 |
| 73 | MP3A | X | 006 | 006 | 0 | %100 |
| 74 | MP3A | Z | 0 | 0 | 0 | %100 |
| 75 | MP1A | X | 005 | 005 | 0 | %100 |
| 76 | MP1A | Z | 0 | 0 | 0 | %100 |
| 77 | MP4A | X | 005 | 005 | 0 | %100 |
| 78 | MP4A | Z | 0 | 0 | 0 | %100 |
| 79 | MP2A | X | 005 | 005 | 0 | %100 |
| 80 | MP2A | Z | 0 | 0 | 0 | %100 |
| 81 | M55 | X | 007 | 007 | 0 | %100 |
| 82 | M55 | 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,F | Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-------------------------|----------------------|--------------------|
| 1 | M1 | X | 001 | 001 | 0 | %100 |
| 2 | M1 | Z | 000839 | 000839 | 0 | %100 |
| 3 | M3 | X | 001 | 001 | 0 | %100 |
| 4 | M3 | Z | 000839 | 000839 | 0 | %100 |
| 5 | M5 | X | 000681 | 000681 | 0 | %100 |
| 6 | M5 | Z | 000393 | 000393 | 0 | %100 |
| 7 | M6 | X | -5.2e-5 | -5.2e-5 | 0 | %100 |
| 8 | M6 | Z | -3e-5 | -3e-5 | 0 | %100 |
| 9 | M7 | X | 001 | 001 | 0 | %100 |
| 10 | M7 | Z | 000804 | 000804 | 0 | %100 |
| 11 | M8 | X | 000681 | 000681 | 0 | %100 |
| 12 | M8 | Z | 000393 | 000393 | 0 | %100 |
| 13 | M9 | X | -5.2e-5 | -5.2e-5 | 0 | %100 |
| 14 | M9 | Z | -3e-5 | -3e-5 | 0 | %100 |
| 15 | M10 | X | 001 | 001 | 0 | %100 |
| 16 | M10 | Z | 000804 | 000804 | 0 | %100 |
| 17 | OVP | X | 004 | 004 | 0 | %100 |
| 18 | OVP | Z | 002 | 002 | 0 | %100 |
| 19 | M12 | X | 00033 | 00033 | 0 | %100 |
| 20 | M12 | Z | 000191 | 000191 | 0 | %100 |
| 21 | M13 | X | 004 | 004 | 0 | %100 |
| 22 | M13 | Z | 002 | 002 | 0 | %100 |
| 23 | M14 | X | 00033 | 00033 | 0 | %100 |
| 24 | M14 | Z | 000191 | 000191 | 0 | %100 |
| 25 | M15 | X | 005 | 005 | 0 | %100 |
| 26 | M15 | Z | 003 | 003 | 0 | %100 |
| 27 | M16 | X | 002 | 002 | 0 | %100 |
| 28 | M16 | Z | 000965 | 000965 | 0 | %100 |
| 29 | M17 | X | 005 | 005 | 0 | %100 |
| 30 | M17 | Z | 003 | 003 | 0 | %100 |
| 31 | M18 | X | 002 | 002 | 0 | %100 |
| 32 | M18 | Z | 000965 | 000965 | 0 | %100 |
| 33 | M19 | X | 005 | 005 | 0 | %100 |
| 34 | M19 | Z | 003 | 003 | 0 | %100 |
| | | | | | | |

Company Designer : Maser Consulting

: NL

Job Number 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|----------------------|--------------------|
| 35 | M20 | X | 005 | 005 | 0 | %100 |
| 36 | M20 | Z | 003 | 003 | 0 | %100 |
| 37 | M21 | X | 005 | 005 | 0 | %100 |
| 38 | M21 | Z | 003 | 003 | 0 | %100 |
| 39 | M22 | X | 002 | 002 | 0 | %100 |
| 40 | M22 | Z | 001 | 001 | 0 | %100 |
| 41 | M23 | X | 002 | 002 | 0 | %100 |
| 42 | M23 | Z | 001 | 001 | 0 | %100 |
| 43 | M24 | X | 004 | 004 | 0 | %100 |
| 44 | M24 | Z | 002 | 002 | 0 | %100 |
| 45 | M25 | X | 005 | 005 | 0 | %100 |
| 46 | M25 | Z | 003 | 003 | 0 | %100 |
| 47 | M26 | X | 005 | 005 | 0 | %100 |
| 48 | M26 | Z | 003 | 003 | 0 | %100 |
| 49 | M27 | X | 002 | 002 | 0 | %100 |
| 50 | M27 | Z | 001 | 001 | 0 | %100 |
| 51 | M28 | X | 005 | 005 | 0 | %100 |
| 52 | M28 | Z | 003 | 003 | 0 | %100 |
| 53 | M29 | X | 002 | 002 | 0 | %100 |
| 54 | M29 | Z | 001 | 001 | 0 | %100 |
| 55 | M30 | X | 005 | 005 | 0 | %100 |
| 56 | M30 | Z | 003 | 003 | 0 | %100 |
| 57 | M31 | X | 005 | 005 | 0 | %100 |
| 58 | M31 | Z | 003 | 003 | 0 | %100 |
| 59 | M32 | X | 005 | 005 | 0 | %100 |
| 60 | M32 | Z | 003 | 003 | 0 | %100 |
| 61 | M33 | X | 002 | 002 | 0 | %100 |
| 62 | M33 | Z | 001 | 001 | 0 | %100 |
| 63 | M34 | X | 002 | 002 | 0 | %100 |
| 64 | M34 | Z | 001 | 001 | 0 | %100 |
| 65 | M35 | X | 004 | 004 | 0 | %100 |
| 66 | M35 | Z | 002 | 002 | 0 | %100 |
| 67 | M36 | X | 005 | 005 | 0 | %100 |
| 68 | M36 | Z | 003 | 003 | 0 | %100 |
| 69 | MP6A | X | 005 | 005 | 0 | %100 |
| 70 | MP6A | Z | 003 | 003 | 0 | %100 |
| 71 | MP5A | X | 005 | 005 | 0 | %100 |
| 72 | MP5A | Z | 003 | 003 | 0 | %100 |
| 73 | MP3A | X | 006 | 006 | 0 | %100 |
| 74 | MP3A | Z | 003 | 003 | 0 | %100 |
| 75 | MP1A | X | 005 | 005 | 0 | %100 |
| 76 | MP1A | Z | 003 | 003 | 0 | %100 |
| 77 | MP4A | X | 005 | 005 | 0 | %100 |
| 78 | MP4A | X Z | 003 | 003 | 0 | %100 |
| 79 | MP2A | X | 005 | 005 | 0 | %100 |
| 80 | MP2A | Z | 003 | 003 | 0 | %100 |
| 81 | M55 | X | 003 | 003 | 0 | %100 |
| 82 | M55 | Z | 001 | 001 | 0 | %100 |

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | Start Location[in,%] | End Location[in,%] |
|---|--------------|-----------|------------------------|-----------------------|----------------------|--------------------|
| 1 | M1 | X | 003 | 003 | 0 | %100 |
| 2 | M1 | Z | 004 | 004 | 0 | %100 |
| 3 | M3 | X | 003 | 003 | 0 | %100 |
| 4 | M3 | Z | 004 | 004 | 0 | %100 |
| 5 | M5 | Χ | 000389 | 000389 | 0 | %100 |

Company Designer Job Number : NL : 21777866A Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude IIb/ft | End Magnitude[lb/ft,F | | End Location[in,%] |
|----------|--------------|-----------|------------------------|-----------------------|---|--------------------|
| 6 | M5 | Z | 000674 | 000674 | 0 | %100 |
| 7 | M6 | X | -2.6e-5 | -2.6e-5 | 0 | %100 %100 |
| 8 | M6 | Z | -4.5e-5 | -4.5e-5 | 0 | %100 |
| 9 | M7 | X | 002 | 002 | 0 | %100 |
| 10 | M7 | Z | 004 | 004 | 0 | %100 |
| 11 | M8 | X | 000389 | 000389 | 0 | %100 |
| 12 | M8 | Z | 000674 | 000674 | 0 | %100 |
| 13 | M9 | X | -2.6e-5 | -2.6e-5 | 0 | %100 |
| 14 | M9 | Z | -4.5e-5 | -4.5e-5 | 0 | %100 |
| 15 | M10 | X | 002 | 002 | 0 | %100 |
| 16 | M10 | Z | 004 | 004 | 0 | %100 |
| 17 | OVP | X | 002 | 002 | 0 | %100 |
| 18 | OVP | Z | 004 | 004 | 0 | %100 |
| 19 | M12 | X | 000165 | 000165 | 0 | %100 |
| 20 | M12 | Z | 000287 | 000287 | 0 | %100 |
| 21 | M13 | X | 002 | 002 | 0 | %100 |
| 22 | M13 | Z | 004 | 004 | 0 | %100 |
| 23 | M14 | X | 000165 | 000165 | 0 | %100 |
| 24 | M14 | Z | 000287 | 000287 | 0 | %100 |
| 25 | M15 | X | 001 | 001 | 0 | %100 |
| 26 | M15 | Z | 002 | 002 | 0 | %100 |
| 27 | M16 | X | 000961 | 000961 | 0 | %100 |
| 28 | M16 | Z | 002 | 002 | 0 | %100 |
| 29 | M17 | X | 001 | 001 | 0 | %100 |
| 30 | M17 | Z | 002 | 002 | 0 | %100 |
| 31 | M18 | X | 000961 | 000961 | 0 | %100 |
| 32 | M18 | Z | 002 | 002 | 0 | %100 |
| 33 | M19 | X | 001 | 001 | 0 | %100 |
| 34 | M19 | Z | 002 | 002 | 0 | %100 |
| 35 | M20 | X | 001 | 001 | 0 | %100 |
| 36 | M20 | Z | 002 | 002 | 0 | %100 %100 |
| 37 | M21 | X | 001 | 001 | 0 | %100 |
| 38 | M21 | Z | 002 | 002 | 0 | %100 %100 |
| 39 40 | M22 M22 | X Z | 001 002 | 001 002 | 0 | %100 %100 |
| 41 | M23 | X | 002 | 002 | 0 | %100 %100 |
| 42 | M23 | Z | 001 | 001 | 0 | %100 %100 |
| 43 | M24 | X | 002 | 002 | 0 | %100 %100 |
| 44 | M24 | Z | 002 | 002 | 0 | %100 %100 |
| 45 | M25 | X | 001 | 001 | 0 | %100 %100 |
| 46 | M25 | Z | 002 | 002 | 0 | %100 %100 |
| 47 | M26 | X | 001 | 001 | 0 | %100 %100 |
| 48 | M26 | Z | 002 | 002 | Ö | %100 %100 |
| 49 | M27 | X | 001 | 001 | Ö | %100 %100 |
| 50 | M27 | Z | 002 | 002 | Ö | %100 %100 |
| 51 | M28 | X | 001 | 001 | 0 | %100 |
| 52 | M28 | Z | 002 | 002 | 0 | %100 |
| 53 | M29 | X | 001 | 001 | 0 | %100 |
| 54 | M29 | Z | 002 | 002 | 0 | %100 |
| 55 | M30 | X | 001 | 001 | 0 | %100 |
| 56 | M30 | Z | 002 | 002 | 0 | %100 |
| 57 | M31 | X | 001 | 001 | 0 | %100 |
| 58 | M31 | Z | 002 | 002 | 0 | %100 |
| 59 | M32 | X | 001 | 001 | 0 | %100 |
| 60 | M32 | Z X | 002 | 002 | 0 | %100 |
| 61 | M33 | X | 001 | 001 | 0 | %100 |
| 62 | M33 | Z | 002 | 002 | 0 | %100 |

Company : Maser Consulting

Designer : NL

Job Number : 21777866A Model Name : Mount Analysis Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member Label | Direction | Start Magnitude[lb/ft, | End Magnitude[lb/ft,F | Start Location[in,%] | End Location[in,%] |
|----|--------------|-----------|------------------------|-----------------------|----------------------|--------------------|
| 63 | M34 | X | 001 | 001 | 0 | %100 |
| 64 | M34 | Z | 002 | 002 | 0 | %100 |
| 65 | M35 | X | 002 | 002 | 0 | %100 |
| 66 | M35 | Z | 004 | 004 | 0 | %100 |
| 67 | M36 | X | 001 | 001 | 0 | %100 |
| 68 | M36 | Z | 002 | 002 | 0 | %100 |
| 69 | MP6A | X | 003 | 003 | 0 | %100 |
| 70 | MP6A | Z | 005 | 005 | 0 | %100 |
| 71 | MP5A | X | 003 | 003 | 0 | %100 |
| 72 | MP5A | Z | 005 | 005 | 0 | %100 |
| 73 | MP3A | X | 003 | 003 | 0 | %100 |
| 74 | MP3A | Z | 006 | 006 | 0 | %100 |
| 75 | MP1A | X | 003 | 003 | 0 | %100 |
| 76 | MP1A | Z | 005 | 005 | 0 | %100 |
| 77 | MP4A | X | 003 | 003 | 0 | %100 |
| 78 | MP4A | Z | 005 | 005 | 0 | %100 |
| 79 | MP2A | X | 003 | 003 | 0 | %100 |
| 80 | MP2A | Z | 005 | 005 | 0 | %100 |
| 81 | M55 | X | 000208 | 000208 | 0 | %100 |
| 82 | M55 | Z | 00036 | 00036 | 0 | %100 |

Member Area Loads

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

Envelope Joint Reactions

| | Joint | | X [lb] | LC | Y [lb] | LC | Z [lb] | LC | MX [k-ft] | LC | MY [k-ft] | LC | MZ [k-ft] | LC |
|---|---------|-----|-----------|----|----------|----|-----------|----|-----------|----|-----------|----|-----------|----|
| 1 | N4 | max | 1118.145 | 10 | 1367.044 | 22 | 694.186 | 2 | 123 | 67 | 0 | 75 | .106 | 28 |
| 2 | | min | -1575.371 | 28 | 401.926 | 67 | -3391.893 | 20 | 416 | 22 | 0 | 1 | 051 | 49 |
| 3 | N65 | max | 1574.482 | 29 | 1251.705 | 22 | 3192.457 | 14 | 114 | 67 | 0 | 75 | .1 | 28 |
| 4 | | min | -630.138 | 49 | 372.978 | 67 | 273.982 | 8 | 385 | 21 | 0 | 1 | 049 | 49 |
| 5 | N84 | max | 641.086 | 10 | 340.697 | 4 | 1367.276 | 10 | 0 | 75 | 0 | 75 | 0 | 75 |
| 6 | | min | -643.934 | 4 | -268.723 | 10 | -1368.825 | 4 | 0 | 1 | 0 | 1 | 0 | 1 |
| 7 | Totals: | max | 1851.01 | 10 | 2613.65 | 22 | 2509.179 | 1 | | | | | | |
| 8 | | min | -1851.01 | 4 | 817.892 | 67 | -2509.173 | 7 | | | | | | |

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

| | Member | Shape | Code Check | Loc[| LC | Shear Check | Loc[in] | Dir | LC | phi*Pnc | phi*Pnt | .phi*Mn | .phi*Mn | Cb Eqn |
|----|--------|--------------|------------|-------|----|-------------|---------|-----|----|----------|---------|---------|---------|---------|
| 1 | M1 | L4X3X6 | .000 | 3.375 | 18 | .000 | 3.375 | z | 24 | 80199.0 | 80676 | 2.686 | 7.063 | 1 H2-1 |
| 2 | M3 | L4X3X6 | .000 | 3.375 | 18 | .000 | 3.375 | z | 24 | 80199.0 | 80676 | 2.686 | 7.063 | 1 H2-1 |
| 3 | M5 | PL3/8X3_H | .520 | 0 | 21 | .080 | 0 | У | 5 | 34985.7 | 36450 | .284 | 2.279 | 1H1-1b |
| 4 | M6 | PL3/8X3_H | .627 | 0 | 29 | .093 | 0 | z | 28 | 34985.7 | 36450 | .284 | 2.279 | 1H1-1b |
| 5 | M7 | PIPE 2.5 | .208 | 140 | 7 | .083 | 140 | | 1 | 10110.2 | 50715 | 3.596 | 3.596 | 1H1-1b |
| 6 | M8 | PL3/8X3_H | .482 | 0 | 21 | .077 | 0 | У | 29 | 34985.7 | 36450 | .284 | 2.279 | 1H1-1b |
| 7 | M9 | PL3/8X3_H | .582 | 0 | 27 | .096 | 0 | Z | 27 | 34985.7 | 36450 | .284 | 2.279 | 1H1-1b |
| 8 | M10 | PIPE 2.5 | .165 | 140 | 30 | .079 | 142.5 | | 29 | 10110.2 | 50715 | 3.596 | 3.596 | 2H1-1b |
| 9 | OVP | PIPE 2.0 | .239 | 5.937 | 21 | .135 | 64.57 | | 9 | 21054.34 | 32130 | 1.872 | 1.872 | 2H1-1b |
| 10 | M12 | PIPE 2.0 | .278 | 5.937 | 29 | .092 | 0 | | 28 | 21054.34 | 32130 | 1.872 | 1.872 | 2H1-1b |
| 11 | M13 | PIPE 2.0 | .257 | 6.68 | 23 | .160 | 64.57 | | 4 | 21054.34 | 32130 | 1.872 | 1.872 | 2H1-1b |
| 12 | M14 | PIPE 2.0 | .300 | 6.68 | 27 | .087 | 0 | | 28 | 21054.34 | 32130 | 1.872 | 1.872 | 2H1-1b |
| 13 | M15 | PL3/8X3_H | .036 | 0 | 43 | .045 | 0 | У | 29 | 36078.2 | 36450 | .284 | 2.279 | 1 H1-1b |
| 14 | M16 | 1.5" w 0.06" | .277 | 24.5 | 26 | .015 | 50.22 | | 3 | 5179.054 | 8536.5 | .325 | .325 | 1 H1-1a |

: Maser Consulting : NL : 21777866A Company Designer Job Number Model Name : Mount Analysis

Jan 11, 2022 1:33 PM Checked By: DH

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

| | Member | Shape | Code Check | Loc[| . LC | Shear Check | Loc[in] | Dir | LC | phi*Pnc | phi*Pnt | .phi*Mn | .phi*Mn | .Cb | Eqn |
|----|--------|--------------|------------|-------|------|-------------|---------|-----|----|----------|---------|---------|---------|-----|--------|
| 15 | M17 | PL3/8X3_H | .057 | 0 | 42 | .006 | 0 | У | 8 | 36078.2 | | .284 | 2.279 | 1 | H1-1b |
| 16 | M18 | 1.5" w 0.06" | .227 | 24.5 | . 26 | .015 | 50.22 | | 8 | 5179.054 | 8536.5 | .325 | .325 | 1 | H1-1a |
| 17 | M19 | PL3/8X3_H | .044 | 0 | 39 | .009 | 0 | У | 12 | 33887.6 | 36450 | .284 | 2.265 | 1 | H1-1b |
| 18 | M20 | PL3/8X3_H | .035 | 1.5 | 40 | .045 | 1.5 | У | 29 | 36078.2 | | .284 | 2.279 | 1 | H1-1b |
| 19 | M21 | PL3/8X3_H | .056 | 1.5 | 40 | .006 | 1.5 | У | 8 | 36078.2 | | .284 | 2.279 | 1 | H1-1b |
| 20 | M22 | 1.5" w 0.06" | .143 | 38 | 28 | .033 | 0 | | 28 | 6412.349 | | | .325 | 1 | H1-1b* |
| 21 | M23 | 1.5" w 0.06" | .277 | 0 | 29 | .007 | 0 | | 7 | 6412.349 | 8536.5 | .325 | .325 | 1 | H1-1a |
| 22 | M24 | PIPE_2.0 | .028 | 0 | 27 | .002 | 33 | | 12 | 29344.85 | | 1.872 | 1.872 | 1 | H1-1b* |
| 23 | M25 | PL3/8X3_H | .046 | 4 | 42 | .009 | 4 | У | 12 | 33887.6 | 36450 | .284 | 2.265 | 1 | H1-1b |
| 24 | M26 | PL3/8X3_H | .023 | 1.5 | 22 | .043 | 0 | У | 29 | 36078.2 | 36450 | .284 | 2.279 | 1 | H1-1b* |
| 25 | M27 | 1.5" w 0.06" | .255 | 24.5 | . 23 | .027 | 0 | | 5 | 5179.054 | 8536.5 | .325 | .325 | 1 | H1-1a |
| 26 | M28 | PL3/8X3_H | .039 | 1.5 | 22 | .006 | 0 | У | 8 | 36078.2 | 36450 | .284 | 2.279 | 1 | H1-1b* |
| 27 | M29 | 1.5" w 0.06" | .099 | 25.11 | 24 | .015 | 50.22 | | 5 | 5179.054 | 8536.5 | .325 | .325 | 1 | H1-1b |
| 28 | M30 | PL3/8X3_H | .579 | 0 | 10 | .048 | 4 | z | 11 | 33887.6 | 36450 | .284 | 2.279 | 1 | H1-1b |
| 29 | M31 | PL3/8X3_H | .033 | 1.5 | 11 | .043 | 1.5 | У | 29 | 36078.2 | | .284 | 2.279 | 1 | H1-1b |
| 30 | M32 | PL3/8X3_H | .074 | 1.5 | 11 | .006 | 1.5 | У | 8 | 36078.2 | 36450 | .284 | 2.279 | 1 | H1-1b |
| 31 | M33 | 1.5" w 0.06" | .131 | 38 | 22 | .031 | 38 | | 5 | 6412.349 | | | .325 | 1 | H1-1b* |
| 32 | M34 | 1.5" w 0.06" | .235 | 38 | 23 | .007 | 0 | | 8 | 6412.349 | 8536.5 | .325 | .325 | 1 | H1-1a |
| 33 | M35 | PIPE 2.0 | .599 | 14.0 | . 4 | .089 | 13.75 | | 10 | 29344.85 | 32130 | 1.872 | 1.872 | 1 | H1-1b |
| 34 | M36 | PL3/8X3_H | .485 | 4 | 4 | .039 | 0 | z | 11 | 33887.6 | 36450 | .284 | 2.279 | 1 | H1-1b |
| 35 | MP6A | PIPE 2.0 | .106 | 26 | 44 | .020 | 26 | | 8 | 14916.0 | 32130 | 1.872 | 1.872 | 4 | H1-1b |
| 36 | MP5A | PIPE 2.0 | .213 | 67 | 49 | .055 | 67 | | 5 | 14916.0 | 32130 | 1.872 | 1.872 | 4 | H1-1b |
| 37 | MP3A | PIPE 2.5 | .186 | 26 | 7 | .077 | 67 | | 5 | 30038.4 | 50715 | 3.596 | 3.596 | 4 | H1-1b |
| 38 | MP1A | PIPE 2.0 | .232 | 67 | 33 | .031 | 67 | | 8 | 14916.0 | 32130 | 1.872 | 1.872 | 4 | H1-1b |
| 39 | MP4A | PIPE 2.0 | .119 | 56.8 | . 46 | .031 | 41.25 | | 9 | 23808.54 | | 1.872 | 1.872 | 2 | H1-1b |
| 40 | MP2A | PIPE_2.0 | .249 | 56.8 | . 34 | .043 | 16.25 | | 31 | 23808.54 | 32130 | 1.872 | 1.872 | 2 | H1-1b |
| 41 | M55 | PIPE_3.0 | .047 | 58.5 | . 9 | .004 | 0 | | 22 | 39991.26 | 65205 | 5.749 | 5.749 | | |



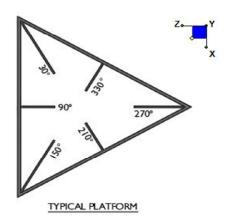
| Client: | Verizon Wireless | Date: | 1/11/2022 |
|-------------|--------------------|-------|-----------|
| Site Name: | MADISON CT | | |
| Project No. | 21777866A (Rev. 2) | | |
| Title: | Mount Analysis | Page: | 1 |
| | | | |

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

| Nodes (labeled per RISA) | Orientation (per graphic of typical platform) |
|-----------------------------|---|
| N4 | 90 |
| N65 | 90 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |



Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

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

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

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

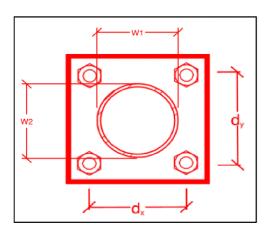
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

| yes |
|--------|
| 2 |
| 3.5 |
| 2 |
| U-Bolt |
| 0.5 |
| 8.5 |
| 2.6 |
| 16.3 |
| 9.8 |
| 26.0%* |
| 13.1% |



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



Maser Consulting Connecticut

<u>Subject</u> TIA-222-H Usage

<u>Site Information</u> Site ID: 469141-VZW / MADISON CT

Site Name: MADISON CT
Carrier Name: Verizon Wireless
Address: 864 Opening Hill Rd.

Madison, Connecticut 06443

New Haven County

Latitude: 41.356126° Longitude: -72.639080°

<u>Structure Information</u> Tower Type: 180-Ft Self Support

Mount Type: 15.00-Ft Sector Frame

FUZE ID # 16092583

To Whom It May Concern,

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

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

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

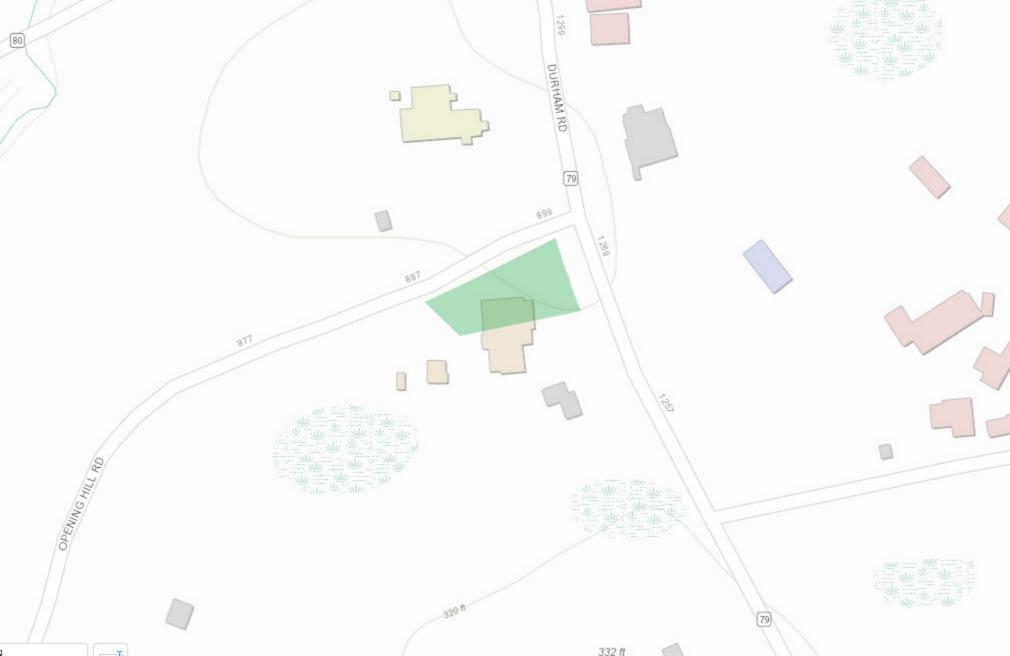
The TIA-222-H standard clarifies these specific requirements for the antenna mount analysis such as modeling methods, seismic analysis, 30-degree increment wind directions and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural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

Sincerely,

Derek Hartzell, PE

Technical Specialist

ATTACHMENT 5







Street Listing Sales Search Search Back Home

864 OPENING HILL RD

Q Sales

♠ Print

Location 864 OPENING HILL RD

MBLU 134/17///

Unique ID# 00665700

Owner NORTH MADISON VOLUNTEER

FIRE COMPANY INC

Assessment \$938,700

Appraisal \$1,341,000

PID 7027

Building Count 1

Dev. Map

Current Value

| | Appraisal | | | | | | | | | |
|------|----------------|-------------|----------------|--------------|-----------|-------------|--|--|--|--|
| | Valuation Year | Building | Extra Features | Outbuildings | Land | Total | | | | |
| 2021 | | \$1,211,400 | \$0 | \$7,000 | \$122,600 | \$1,341,000 | | | | |
| | | | Assessment | | | | | | | |
| | Valuation Year | Building | Extra Features | Outbuildings | Land | Total | | | | |
| 2021 | | \$848,000 | \$0 | \$4,90 | \$85,800 | \$938,700 | | | | |

Owner of Record

Owner

NORTH MADISON VOLUNTEER FIRE COMPANY INC.

Sale Price

\$0

Co-Owner

Book & Page 0044/0130

Sale Date

Care Of

ATTACHMENT 6



| Name and Address of Sender | TOTAL NO. of Pieces Listed by Sender TOTAL NO. of Pieces Received at Post | Office™ Affix Stamp He Postmark with Da | | | |
|---|---|--|---------------------------|----------------------------|----------------------|
| Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103 | Postmaster, per (name of receiving employee) | > . | neopos 05/05/ US PO | 2022 STAGE \$002 | 2.99º 06103 12203937 |
| USPS® Tracking Number Firm-specific Identifier | Address (Name, Street, City, State, and ZIP Code™) | Postage | Fee | Special Handling | Parcel Airlift |
| 1. | Peggy Lyons, First Selectwoman Town of Madison 8 Campus Drive Madison, CT 06443 Erin Mannix, Town Planner | | | | |
| 2. | Town of Madison 8 Campus Drive Madison, CT 06443 | | | | |
| 3. | North Madison Volunteer Fire Company. 864 Opening Hill Road Madison, CT 06443 | Inc. | Syau | | |
| 4. | | | S 2201 9 | DSTATE | |
| 5. | 41 | | SO NOITAT | Sasne | |
| 1/ | | | - | | |
| 6. | | | | | |
| | | | | | |