Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts
and New York

September 23, 2021

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification**
398 Pomfret Street, Pomfret, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. The tower was approved by the Town of Pomfret ("Town") in December 1999. Cellco's use of the tower was approved by the Council in July 2000 (TS-BAM-112-000614). A copy of the Town's approval and Cellco's TS-BAM-112-000614 approval are included in Attachment 1.

Cellco now intends to modify its facility by replacing nine (9) antennas with three (3) Samsung MT6407-77A antennas and six (6) MX0FRO660-03 antennas on its existing mounting platform. Cellco also intends to replace six (6) remote radio heads ("RRHs") with six (6) new RRHs behind its antennas. A set of project plans showing Cellco's proposed facility modifications and new antennas and RRHs specifications are included in Attachment 2.

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

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

1. The proposed modifications will not result in an increase in the height of the existing tower.

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 platform, with certain modifications, can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4.

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

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:

Maureen Nicholson, First Selectman for the Town of Pomfret
James Rabbitt, Pomfret Town Planner
Pomfret School Inc., Property Owner
Karla Hanna

ATTACHMENT 1

TOWN OF POMFRET
BOARD OF SELECTMEN'S MINUTES
MEETING OF DECEMBER 6, 1999

Present: David Patenaude, First Selectman, Thomas Pahl and Charles Balch, Selectmen. Others Present: Robert Ikonen, Ford Fay, and Esther McNany and Maureen Chmielecki of SBA, Inc.

Dave Patenaude opened the meeting at 7:01 P.M. The minutes of the previous meeting of November 15, 1999 were duly approved.

Citizen Participation: Robert Ikonen informed the Selectmen of Pomfret's plans to participate in the "Israel Putnam March". The Democratic Town Committee has volunteered to help with food preparation. There will be one rest stop in Pomfret at the Old Town House. The "march" is scheduled for April 28-30, 2000. There may be a craft fair and Sally Rogers may sing or Donna Dufresne may perform her Dorcas Higginbotham impersonation. The Boy Scouts plan on having a honor guard, and hopefully, the local VFW may get involved. Discussion followed regarding road security.

Communications: None

Current Business

1. Road Issues:

A. Kearney Fork Speed Humps. Dave reported that he had talked to both the State Police and our insurance company about this issue. Both of which were not crazy about the idea. The police mentioned that they could post a cruiser there to help with the speed problems and was concerned about the signs. Dave has asked the State DOT to do a traffic survey. Chuck mentioned that a few citizens in the area have complained that some cars go through the Kearney Rd. and Kearney Fork intersection without stopping.

B. Wrights Crossing Road Bridge-Guardrails. Dave read a letter from WMC Engineering regarding the guardrails. The letter states that extending the rails would cause a hardship to the neighbor and on the other side of the road to the Wyndham Land Trust. Also that the inspection results state that the guardrails are to specification. Discussion followed and Tom Pahl said he would talk to Don Aubrey, Town Engineer.

2. Wolf Den Springs, LLC. Letters regarding the wetland disturbances have been received from the Army Corps of Engineers and from Don Aubrey, Town Engineer. Dave reported that he is writing to request a joint meeting with the Army Corps and the Board of Selectmen, Inland Wetlands Commission, James Rabbitt, Donald Aubrey, and the applicant, Stephen Perrone. Discussion followed. Tom had concerns regarding working out issues sited with Mr. Perrone. He felt the Selectmen should take the recommendations of Don Aubrey seriously and act on them in systemactic way.

3. SBA, Inc. Application for Wireless Telecommunications Structure-Tyrone Road.

Esther McNany of SBA, Inc. submitted the application packet. SBA, Inc. will be using the existing entrance of the Morissettes to get to the site. They have received a declaratory ruling from the Wetlands Commission that a wetlands permit is not required and have received site plan approval from the NEDDH. The tower will be on Pomfret

School property, should have minimal visual impact, and is to extend coverage along Route 44. The tower will be the same height as the existing SNET tower and. Ms. McNany stated that all requirements of the Town Ordinance have been complied with. Discussion followed on the expected cell tower users, whether the use of existing buildings and/or structures were considered. Tom asked what other areas are not covered and will there be other towers. Ms. McNany said there is a need along Route 97 and there may possibily be two more towers. The next tower may be on Easter Hill.

Dave asked about the bond requirement and how this was handled with a $10,000 in lieu of contribution with the last tower SBA did. Discussion followed on this issue and the 65 day timeline for approval. The application fee of $1,000 has been paid. The Selectmen requested the amount of $15,000 that could be paid in lieu of the security bond. SBA, Inc. is to return back to the next meeting with an answer to this request.

New Business

1. Billboards-Moratorium. Dave asked the Selectmen for support to declare a six month moratorium on billboards. He reported that we have (recently) received three applications for these in Town. and that he would like to bring an ordinance to Town Meeting regarding this. Discussion followed. Tom made motion for a moratorium to construct billboards for six months that began December 1, 1999. Dave seconded the motion. Motion was approved with two in favor and Chuck Balch abstaining due to a conflict of interest.

Other Business:

Tom reported that he attended the Tobacco Needs Assessment in NE CT meeting. He said there was a poor turn out and felt bad for Bob Brex, who sponsored this. Grant money is available to Towns for materials to educate kids on tobacco awareness.

Chuck reported that both a copy of the letter to John LaConche and a proposal letter was submitted at the NELTA board of trustee meeting. Mr. LaConche felt the proposal has a good chance and it will go officially before the board in January. Chuck also reported that the Recreation Committee recommends that the Board of Selectmen go ahead with the soccer field(s) at the Murdock property. Also an extension until mid year 2001 has been received on the DEP recreation grant. The Committee also wishes that the Selectmen take a positive step to use the Murdock property for the grant monies. Discussion followed. Discussion took place on other possible land for recreation. Chuck would like to make inquiries regarding the Modica land with the Recreation Committee.

Discussion took place regarding the Open Space Land Trust Ordinance. The ordinance has been give to the Selectmen for action to take to Town Meeting.

Approve Schedule of Meetings Year 2000. Motion was duly passed to approve the schedule of meetings for 2000 as presented.

Tax Refunds/Abatements: None

Gun Permits: None

Approval to Pay Bills: Manual checks #6076-6086 dated 11/17-11/30/99 for $48,510.37 and checks #6087-6089 dated 12/1/99 for $883.76; checks #17950-17952 dated 11/17 for $897.96; and bill checks dated 12/6/99 for $65,388.44. Motion was duly passed to approve the bills as presented.

Adjournment: Motion was duly approved and the meeting adjourned at 8:40 P.M.

Respectfully submitted, Cheryl A. Grist, Clerk

TOWN OF POMFRET
BOARD OF SELECTMEN'S MINUTES
MEETING OF DECEMBER 20, 1999

Present: David Patenaude, First Selectman, Charles Balch and Thomas Pahl, Selectmen. Others Present: Esther McNany of SBA, Inc. and Henry Woodbridge.

David Patenaude opened the meeting at 8:07 A.M. The minutes of the previous meeting of December 6, 1999 were duly approved with one correction under Other Business from "Also an extension from the year 2000" to "2001".

Citizen Participation: None

Communications: None

Current Business

1. **Road Issues**-None at this time.

2. **SBA, Inc. Application for Wireless Telecommunications Structure-Tyrone Road.** Esther McNany of SBA, Inc. presented the Board of Selectmen with a check in the amount the $15,000 as a donation for recreation land in lieu of the surety bond. The check was accepted by the Selectmen. Motion was made by Tom Pahl to approve the application, Chuck Balch seconded and discussion followed. Dave Patenaude mentioned that a pilot called to say the tower is in the direct line with the Woodstock Airport strip. Esther McNany said that since this is a small, private airport FAA did not require them to take this into consideration. Ms. McNany said the cell tower is below the height that would require lighting. The Selectmen felt all was in order. Motion was voted and approved unanimously.

3. **Recreation Site Committee-Report.** Chuck Balch reported that the Committee would like the Selectmen to take whatever steps necessary so they can begin to take steps to use the Murdock property for a soccer field and senior baseball field. Chuck made a motion to begin development at the Murdock property for recreation purposes. Tom seconded and discussion followed. Chuck said they would like first to make a practice field for soccer and a senior league baseball field. He was not sure on the specifics or exact plans of how and where. Dave reminded him that to do this would include the entrance off Route 101 issue and the fact that we are still taking gravel from this area. Tom felt the Selectmen need a proposal of exactly what the Committee plans on doing and who will handle what needs to be done. Discussion also followed on: 1) the recreation grant and the money to match this; 2) the issue of investing the money for a short term answer to immediate needs; 3) what about the gravel issue; 4) and who will be overseeing the construction etc. Tom Pahl felt the Selectmen would need to check with the State DOT regarding the entrance off Route 101.

There was much discussion on what authority the Recreation Site Committee has or doesn't have and would a new committee need to be appointed or should the Selectmen handle this. Discussion followed on whether the Selectmen should act on the Committee's recommendation and/or find another piece of property better suited. Chuck said the Committee felt, in order to meet the present needs and to use the recreation grant and not lose it, this was the best answer a this time. Chuck amended the motion that the Board of Selectmen accept the recommendation of the Site Committee that we develop recreation in two locations and that one location be the Murdock property. Tom seconded the motion and more discussion followed. Tom felt that they should still keep exploring other pieces of land. He said he would be willing to help on the Committee. He said he would be

TOWN ON POMFRET
APPLICATION FOR WIRELESS TELECOMMUNICATION STRUCTURES

Permit Number:
Date Submitted: 10/29/99 /ccg
Received by:
(Section 2.3.1) Fee: $1000.00 Pd 10/29/99 ck#65363

(Procedures for this application are explained in the Wireless Telecommunication ordinance)

APPLICANT TO FILL OUT THIS SECTION - Please print

Applicant's Name SBA, Inc. **Phone** (860) 439-0152
Address 125 Shaw St, New London CT 06320 **Fax #** (860) 439-0159

Co-Applicant's Name ______ **Phone** ______
Address ______ **Fax #** ______

If there is an agent for the applicant, please fill in name below:

Name Esther McNany **Phone** (860) 439-0152
Address Same as applicant **Fax #** (860) 439-0159

LOCATION OF TOWER

Owner of the land Pomfret School Inc. Phone (860) 963-5228
Address 398 Pomfret St, Pomfret, CT 06258
Street Name Pomfret St. Map 19 Block C Lot 001 (Get from Assessor's office)
Nearest roads/intersections: Tyrone Rd.

PROPOSED ACTIVITY: (check those that apply)

☐ Commercial ☐ Industrial ☑ Other-specify Wireless Telecommunication Facility
☐ New Construction ☐ Addition ☐ Alteration

Please provide the following information with this application:

a. Site Plan Ingredients (section 3.2) Five (5) copies of site plan - 24" x 36" at a scale of 1" = 40' prepared by a professional land surveyor licensed in the State of Connecticut.
b. Name of Connecticut Registration Number of Land Surveyor and Professional Engineer. All final plans must have original signatures on maps.
c. Soil Erosion and Sediment Control Plan (section 3.3) a map of 1" = 50'
d. Name of Soil Scientist David H. Lord
e. Architectural Plans (see section 4.1.2)
f. Fees: $1,000.00. Please note: If the cost to process and review the application exceeds the initial fee of $1000.00, the applicant shall pay all associated costs incurred by the Commision and/or the Town prior to the issuance of a permit. (Section 2.3).

The undersigned hereby acknowledges that this application, to the best of his/her knowledge, conforms to the Wireless Telecommunications Regulations Ordinance of the Town of Pomfret and that approval of the plan is contingent upon compliance with all requirements of said ordinance. The undersigned hereby authorizes the Pomfret Board of Selectmen, or its agent, to enter upon the property for the purpose of inspection and enforcement of said regulations.The undersigned warrants and guarantees that all of the improvements as shown on the final approved site plan map will be installed in a good and workmanlike manner, and individually and severally guarantee to provide all necessary funds with respect thereto.

Signed E. McNany Dated 10/20/99
(Applicant)

Signed Pomfret School, Inc. [signature], Bus Mgr Dated 10-28-99
(Property Owner)

Note: Before site plan approval is granted, the applicant shall file a surety with the Board of Selectmen payable to the Treasurer of the Town of Pomfret and in a form satisfactory to the Town Counsel and in an amount approved by the Board of Selectmen as sufficient to guarantee completion of those items specified by the Board of Selectmen and in conformity with the provisions of these Regulations or any amendments thereto in force at the time of filing. Such surety shall be held by the Town Clerk who shall not be authorized by the Board of Selectmen to release such bond until written certification has been received from the Building Official that all of the requirements of these Regulations have been fully satisfied.

A public hearing ☐ was or ☑ was not held on this application. (Section 3.1.1)
Applicant has compiled with all requirements of the Ordinance ☐ yes. ☑ no. In no, explain, IN LIEU OF A SURETY BOND THE TOWN ACCEPTED A PAYMENT OF $15,000.

Signed [signature] Date 1-10-99
First Selectmen or Commission Chairman

wireapp.wpd

July 13, 2000

Sandy M. Carter
Manager-Regulatory
Verizon Wireless
20 Alexander Drive, P.O. Box 5029
Wallingford, CT 06492-2430

RE: TS-BAM-112-000614 - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications tower located at 398 Pomfret Street, Pomfret, Connecticut.

Dear Ms. Carter

At a public meeting held July 11, 2000, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Any additional change to this facility may require an explicit request to this agency pursuant to General Statutes § 16-50aa or notice pursuant to Regulations of Connecticut State Agencies Section 16-50j-73, as applicable. Such request or notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated June 12, 2000.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/grg

c: Honorable David I. Patenaude, First Selectman, Town of Pomfret
Brian Cosentino, Sprint Spectrum L.P.

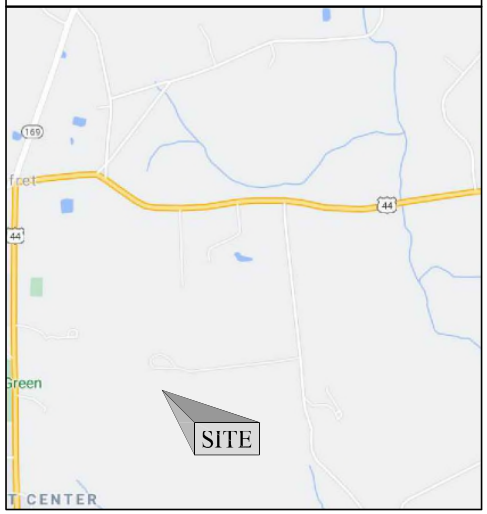
ATTACHMENT 2

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE PROJECT OWNERS REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

SHEET INDEX

VICINITY MAP



APPLICANT:
CELLCO PARTNERSHIP d/b/a
VERIZON WIRELESS

SCOPE OF WORK:
PROPOSED EQUIPMENT & ANTENNA MODIFICATIONS TO AN EXISTING VERIZON WIRELESS INSTALLATION AT A 170'-0"± MONOPOLE

Digitally signed by Jiazhu Hu, Ph.D., P.E.
DN: cn=Jiazhu Hu, Ph.D., P.E., o=Nexius, ou=Engineering, email=Jiazhu.Hu@Nexius.com, c=US
Date: 2021.07.06 15:47:10 -04'00'

SITE NAME
POMFRET EAST CT

LOCATION CODE
467148

SITE OWNER
SBA

SITE NUMBER
CT02217

ADDRESS
398 POMFRET STREET
POMFRET CENTER, CT 06259

COORDINATES
41° 53' 24.33" N
71° 57' 18.02" W

NOTES

GENERAL NOTES:

1. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
2. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
3. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
4. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
5. "KITTING LIST" SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY CONTRACTOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE SUBCONTRACTOR.
6. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
7. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.
8. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
9. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
10. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
11. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
12. ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL BE AIR-ENTRAINED AND SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.
13. ALL STRUCTURAL STEEL WORK SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL SHALL BE ASTM A36 (Fy = 36 ksi) UNLESS OTHERWISE NOTED. PIPES SHALL BE ASTM A53 TYPE E (Fy = 36 ksi). ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED. TOUCHUP ALL SCRATCHES AND OTHER MARKS IN THE FIELD AFTER STEEL IS ERECTED USING A COMPATIBLE ZINC RICH PAINT.
14. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
15. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
16. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
17. APPLICABLE BUILDING CODES:
    SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
    BUILDING CODE: 2018 CONNECTICUT STATE BUILDING CODE (IBC 2015)
    ELECTRICAL CODE: REFER TO ELECTRICAL DRAWINGS
    LIGHTENING CODE: REFER TO ELECTRICAL DRAWINGS

    SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

    ACI 318-14: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.

    AISC 360-10: SPECIFICATIONS STEEL FOR STRUCTURAL STEEL BUILDINGS.

    ANSI/TIA-222-G WITH ADDENDUMS, STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS.

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ELECTRICAL & GROUNDING NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS APPLICABLE STATE AND LOCAL CODES.
2. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PROCURED PER SPECIFICATION REQUIREMENTS.
3. THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATION INCLUDING INCIDENTAL WORK TO PROVIDE COMPLETE OPERATING AND APPROVED ELECTRICAL SYSTEM.
4. GENERAL CONTRACTOR SHALL PAY FEES FOR PERMITS, AND IS RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.
5. ALL EQUIPMENT LOCATED OUTSIDE SHALL HAVE NEMA 3R ENCLOSURE.
6. GROUNDING SHALL COMPLY WITH NEC ART. 250.
7. GROUND COAXIAL CABLE SHIELDS MINIMUM AT BOTH ENDS USING MANUFACTURERS COAX CABLE GROUNDING KITS SUPPLIED BY PROJECT OWNER.
8. USE #6 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING.
9. ALL GROUND CONNECTIONS TO BE BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD. DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.
10. ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLE. ALWAYS MAKE AT LEAST 12" RADIUS BENDS. #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY. BOND ANY METAL OBJECTS WITHIN 7 FEET OF PROPOSED EQUIPMENT OR CABINET TO MASTER GROUND BAR.
11. CONNECTIONS TO MGB SHALL BE ARRANGED IN THREE MAIN GROUPS: SURGE PRODUCERS (COAXIAL CABLE GROUND KITS, TELCO AND POWER PANEL GROUND); (GROUNDING ELECTRODE RING OR BUILDING STEEL); NON-SURGING OBJECTS (EGB GROUND IN BTS UNIT).
12. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS. APPLY OXIDE INHIBITING COMPOUND TO ALL LOCATIONS
13. APPLY OXIDE INHIBITING COMPOUND TO ALL COMPRESSION TYPE GROUND CONNECTIONS.
14. BOND ANTENNA MOUNTING BRACKETS, COAXIAL CABLE GROUND KITS, AND ALNA TO EGB PLACED NEAR THE ANTENNA LOCATION.
15. BOND ANTENNA EGB'S AND MGB TO WATER MAIN.
16. TEST COMPLETED GROUND SYSTEM AND RECORD RESULTS FOR PROJECT CLOSE-OUT DOCUMENTATION.
17. BOND ANY METAL OBJECTS WITHIN 7 FEET OF PROPOSED EQUIPMENT OR CABINET TO MASTER GROUND BAR.

PREPARED BY:
nexius
TRANFORM YOUR BUSINESS...THROUGH WIRELESS
A&E OFFICE:
300 APOLLO DRIVE, SUITE 7
CHELMSFORD, MA 01824
1 (978) 923-7965

APPLICANT:
CELLCO PARTNERSHIP d/b/a
verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

PROFESSIONAL STAMP:

SUBMITTALS

REV	DATE	DESCRIPTION	BY
0	03/12/21	PER CONSTRUCTION	MLB
1	07/06/21	PER NEW RFDS, MA/MOD	MLB

SITE INFORMATION:
SITE NAME:
POMFRET EAST CT
LOCATION CODE:
467148
SITE ADDRESS:
398 POMFRET STREET
POMFRET CENTER, CT 06259

DRAWN BY:	DATE:
MLB	07/06/21
CHECKED BY:	DATE:
KB	07/06/21

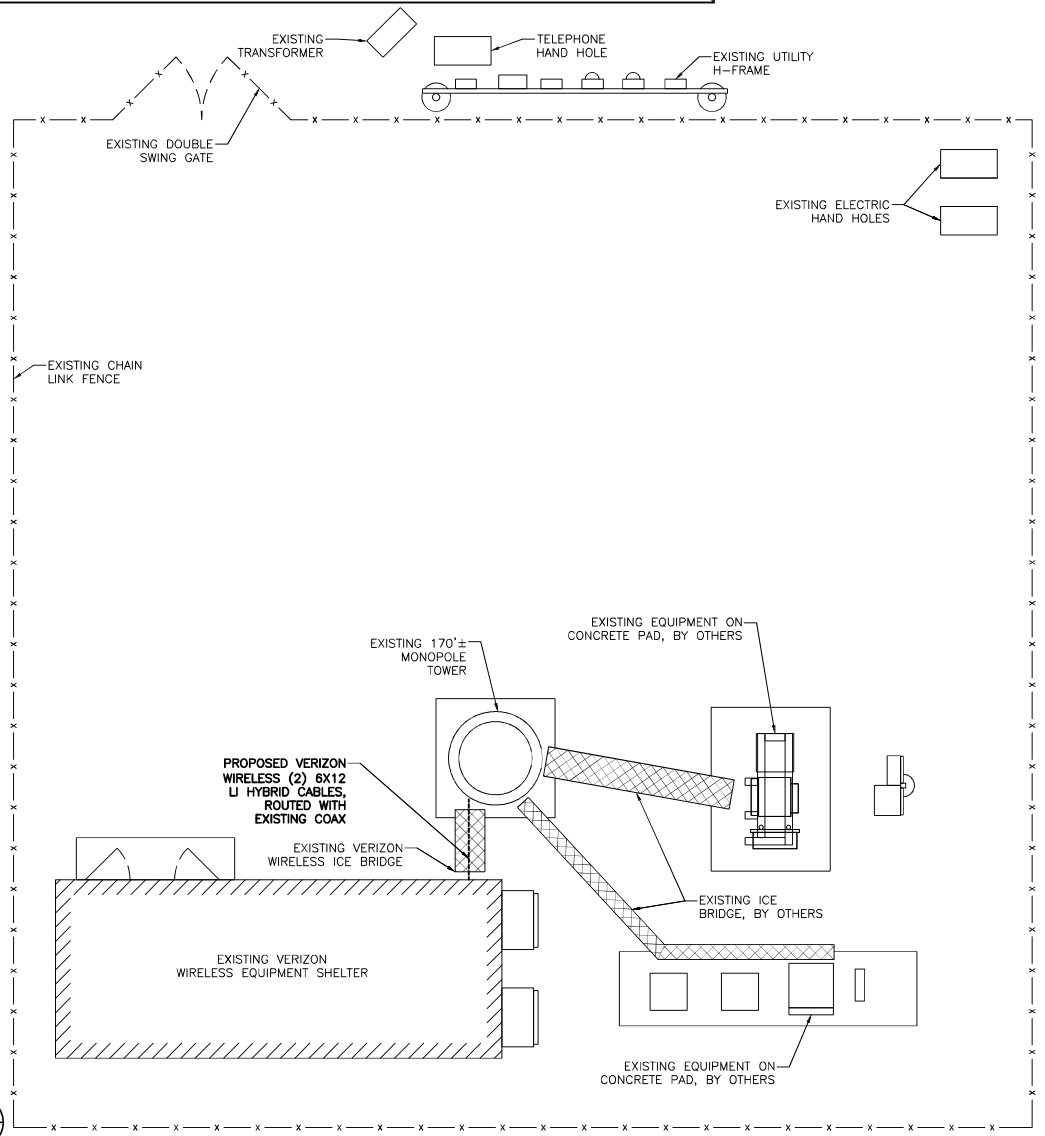
NEXIUS PROJECT NO.:
VZ11509

SHEET TITLE:
TITLE SHEET

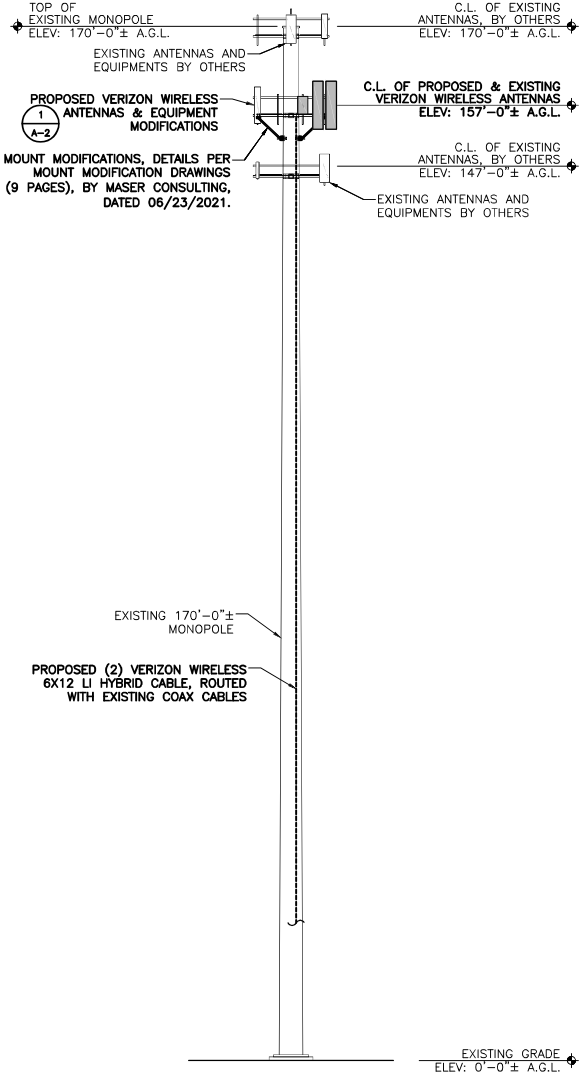
SHEET NUMBER:
T-1

NOTE:
PROJECT OWNER IS RESPONSIBLE FOR PROVIDING A TOWER STRUCTURAL ANALYSIS FOR THE TOWER STRUCTURE TO DETERMINE CAPACITY AND SUITABILITY OF THE TOWER STRUCTURE TO ADEQUATELY CARRY ALL LOADS IMPOSED BY BOTH EXISTING AND PROPOSED EQUIPMENT AS SHOWN HEREIN. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INCORPORATING ANY REQUIRED TOWER MODIFICATIONS INTO THEIR SCOPE OF WORK. CONTRACTOR TO CHECK WITH PROJECT OWNER AND VERIFY TOWER INSTALLATION DETAILS PER TOWER STRUCTURAL ANALYSIS.

MOUNT STRUCTURAL ANALYSIS PREPARED BY MASER
STRUCTURAL ANALYSIS PREPARED BY MASER, ENTITLED POST-MOD ANTENNA MOUNT ANALYSIS REPORT AND PMI REQUIREMENTS, DATED JUNE 23, 2021, STATES THAT THE EXISTING MOUNTS ARE ADEQUATE FOR THE EXISTING AND PROPOSED LOADING ON THE CONDITION OF INSTALLING THE PROPOSED MOUNT MODIFICATION.



1 COMPOUND PLAN
SCALE: 1/4" = 1'-0"
GRAPHIC SCALE: 1/4"=1'-0"



2 STRUCTURE ELEVATION
SCALE: 3/32" = 1'-0"
GRAPHIC SCALE: 3/32"=1'-0"

PREPARED BY:
nexius
TRANFORM YOUR BUSINESS...THROUGH WIRELESS
A&E OFFICE:
300 APOLLO DRIVE, SUITE 7
CHELMSFORD, MA 01824
1 (978) 923-7965

APPLICANT:
CELLCO PARTNERSHIP d/b/a
verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

PROFESSIONAL STAMP:
STATE OF CONNECTICUT
JIAZHU HU
31530
LICENSED
PROFESSIONAL ENGINEER

DRAWING SCALES ARE INTENDED FOR 22"x34" SIZE PRINTED MEDIA ONLY. 11"x17" IS DEEMED HALF SCALE, AND ALL OTHER PRINTED SIZES ARE DEEMED "NOT TO SCALE".

SUBMITTALS

REV	DATE	DESCRIPTION	BY
0	03/12/21	PER CONSTRUCTION	MLB
1	07/06/21	PER NEW RFDS, MA/MOD	MLB

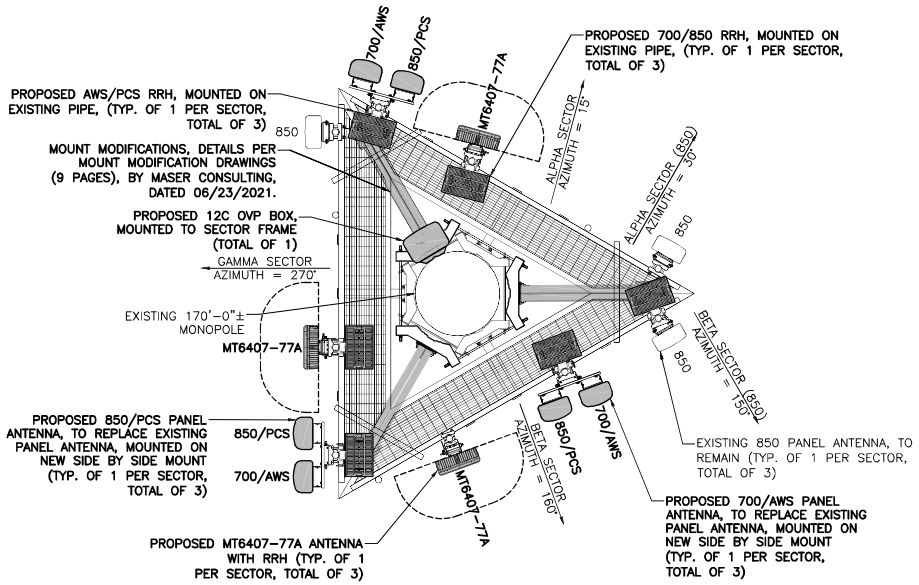
SITE INFORMATION:
SITE NAME:
POMFRET EAST CT
LOCATION CODE:
467148
SITE ADDRESS:
398 POMFRET STREET
POMFRET CENTER, CT 06259

DRAWN BY:	DATE:
MLB	07/06/21
CHECKED BY:	DATE:
KB	07/06/21

NEXIUS PROJECT NO.:
VZ11509

SHEET TITLE:
COMPOUND PLAN & STRUCTURE ELEVATION

SHEET NUMBER:
A-1



APPROX. NORTH

1 ANTENNA PLAN
SCALE: 1/2" = 1'-0"

GRAPHIC SCALE: 1/2"=1'-0"

SCOPE OF WORK:

INSTALL MOUNT MODIFICATIONS FOR ALL SECTORS.

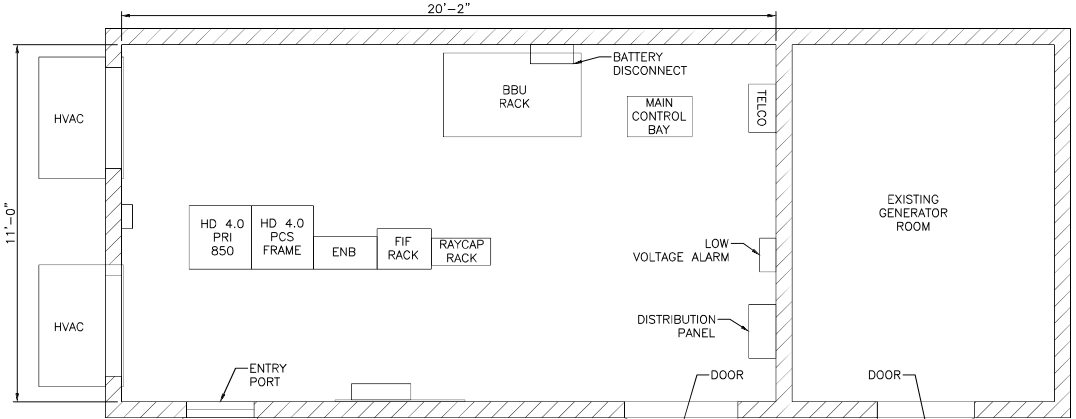
ALPHA SECTOR:
- REMOVE (3) EXISTING PANEL ANTENNAS, 700, PCS & AWS.
- INSTALL (1) NEW JMA 91900314-02 SIDE-BY-SIDE MOUNT.
- INSTALL (2) NEW JMA MX06FRO660-03 PANEL ANTENNAS ON NEW SIDE-BY-SIDE MOUNT.
- INSTALL (1) NEW MT6407-77A ANTENNA W/ RRH AS SHOWN ON PLANS.
- REMOVE (2) EXISTING RRHS, 700 & AWS.
- INSTALL (1) NEW BRO4C B5/B13 700/850 RRH AT ANTENNAS, AS SHOWN ON PLANS.
- INSTALL (1) NEW BRO49 B2/B66A AWS/PCS RRH AT ANTENNAS, AS SHOWN ON PLANS.
- INSTALL (1) NEW SAMSUNG JUMPER FROM OVP BOX TO 700/850 RRH.
- INSTALL (1) NEW POWER CABLE FROM OVP BOX TO 700/850 RRH.
- INSTALL (1) NEW SAMSUNG JUMPER FROM OVP BOX TO AWS/PCS RRH.
- INSTALL (1) NEW POWER CABLE FROM OVP BOX TO AWS/PCS RRH.
- INSTALL (1) NEW 1x2 HYBRID CABLE FROM OVP BOX TO MT6407-77A ANTENNA W/ RRH.
- INSTALL 1/2" ANTENNA JUMPERS, AS REQUIRED.

BETA SECTOR:
- REMOVE (3) EXISTING PANEL ANTENNAS, 700, PCS & AWS.
- RELOCATE (1) EXISTING 850 PANEL ANTENNA.
- INSTALL (1) NEW JMA 91900314-02 SIDE-BY-SIDE MOUNT.
- INSTALL (2) NEW JMA MX06FRO660-03 PANEL ANTENNAS ON NEW SIDE-BY-SIDE MOUNT.
- INSTALL (1) NEW MT6407-77A ANTENNA W/ RRH AS SHOWN ON PLANS.
- REMOVE (2) EXISTING RRHS, 700 & AWS.
- INSTALL (1) NEW BRO4C B5/B13 700/850 RRH AT ANTENNAS, AS SHOWN ON PLANS.
- INSTALL (1) NEW BRO49 B2/B66A AWS/PCS RRH AT ANTENNAS, AS SHOWN ON PLANS.
- INSTALL (1) NEW SAMSUNG JUMPER FROM OVP BOX TO 700/850 RRH.
- INSTALL (1) NEW POWER CABLE FROM OVP BOX TO 700/850 RRH.
- INSTALL (1) NEW SAMSUNG JUMPER FROM OVP BOX TO AWS/PCS RRH.
- INSTALL (1) NEW POWER CABLE FROM OVP BOX TO AWS/PCS RRH.
- INSTALL (1) NEW 1x2 HYBRID CABLE FROM OVP BOX TO MT6407-77A ANTENNA W/ RRH.
- INSTALL 1/2" ANTENNA JUMPERS, AS REQUIRED.

GAMMA SECTOR:
- REMOVE (3) EXISTING PANEL ANTENNAS, 700, PCS & AWS.
- INSTALL (1) NEW JMA 91900314-02 SIDE-BY-SIDE MOUNT.
- INSTALL (2) NEW JMA MX06FRO660-03 PANEL ANTENNAS ON NEW SIDE-BY-SIDE MOUNT.
- INSTALL (1) NEW MT6407-77A ANTENNA W/ RRH AS SHOWN ON PLANS.
- REMOVE (2) EXISTING RRHS, 700 & AWS.
- INSTALL (1) NEW BRO4C B5/B13 700/850 RRH AT ANTENNAS, AS SHOWN ON PLANS.
- INSTALL (1) NEW BRO49 B2/B66A AWS/PCS RRH AT ANTENNAS, AS SHOWN ON PLANS.
- INSTALL (1) NEW SAMSUNG JUMPER FROM OVP BOX TO 700/850 RRH.
- INSTALL (1) NEW POWER CABLE FROM OVP BOX TO 700/850 RRH.
- INSTALL (1) NEW SAMSUNG JUMPER FROM OVP BOX TO AWS/PCS RRH.
- INSTALL (1) NEW POWER CABLE FROM OVP BOX TO AWS/PCS RRH.
- INSTALL (1) NEW 1x2 HYBRID CABLE FROM OVP BOX TO MT6407-77A ANTENNA W/ RRH.
- INSTALL 1/2" ANTENNA JUMPERS, AS REQUIRED.

TOWER:
- REMOVE (1) EXISTING OVP BOX.
- REMOVE (1) EXISTING HYBRID CABLE.
- INSTALL (1) NEW 12C OVP BOX.
- INSTALL (2) NEW 6X12 LI HYBRID CABLES.

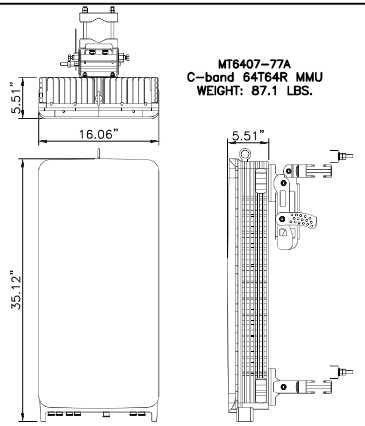
DESIGN SHOWN HEREIN IS BASED OFF A RFDS PROVIDED BY VERIZON WIRELESS DATED 04/08/21.



APPROX. NORTH

2 SHELTER PLAN
SCALE: 1/2" = 1'-0"

GRAPHIC SCALE: 1/2"=1'-0"



MT6407-77A
C-band 64T64R MMU
WEIGHT: 87.1 LBS.

3 ANTENNA SPEC. (NOT TO EXCEED)
SCALE: N.T.S.

PREPARED BY:
nexius
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A&E OFFICE:
300 APOLLO DRIVE, SUITE 7
CHELMSFORD, MA 01824
1 (978) 923-7965

APPLICANT:
CELLCO PARTNERSHIP d/b/a
verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

PROFESSIONAL STAMP:

STATE OF CONNECTICUT
JIAZHU HU
31530
LICENSED
PROFESSIONAL ENGINEER

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SUBMITTALS

REV	DATE	DESCRIPTION	BY
0	03/12/21	PER CONSTRUCTION	MLB
1	07/06/21	PER NEW RFDS, MA/MOD	MLB

SITE INFORMATION:
SITE NAME:
POMFRET EAST CT
LOCATION CODE:
467148
SITE ADDRESS:
398 POMFRET STREET
POMFRET CENTER, CT 06259

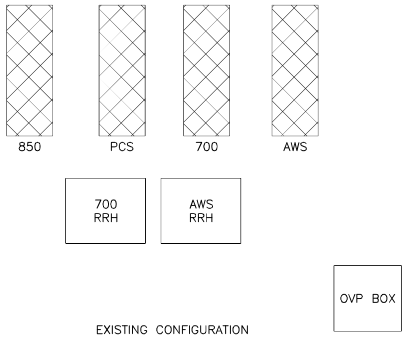
DRAWN BY:	DATE:
MLB	07/06/21
CHECKED BY:	DATE:
KB	07/06/21

NEXIUS PROJECT NO.:
VZ11509

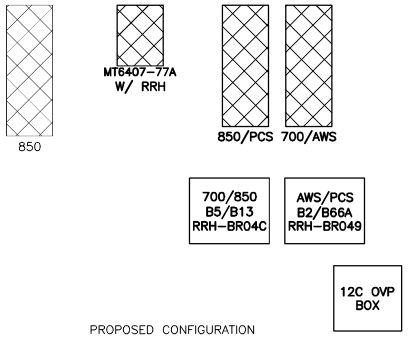
SHEET TITLE:
ANTENNA PLAN, DETAILS & NOTES

SHEET NUMBER:
A-2

NOTE: ALL ANTENNAS ARE VIEWED FROM IN FRONT

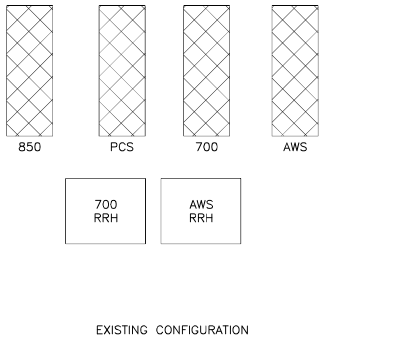


EXISTING CONFIGURATION

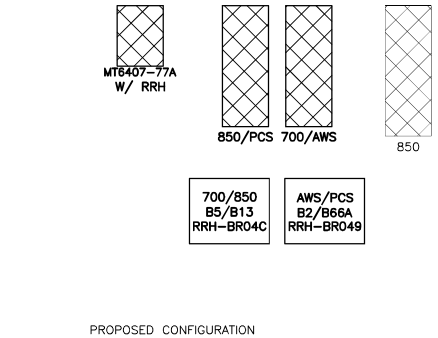


PROPOSED CONFIGURATION

ALPHA SECTOR ANTENNA CONFIGURATION

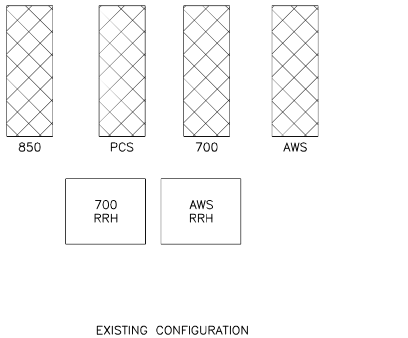


EXISTING CONFIGURATION

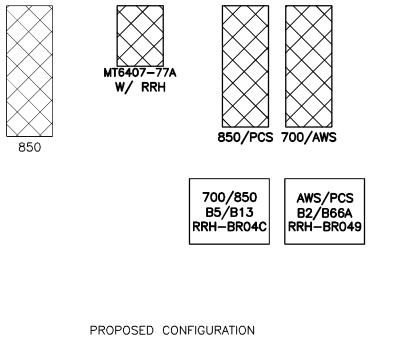


PROPOSED CONFIGURATION

BETA SECTOR ANTENNA CONFIGURATION



EXISTING CONFIGURATION



PROPOSED CONFIGURATION

GAMMA SECTOR ANTENNA CONFIGURATION

GENERAL NOTES:

1. INSTALL ALL EQUIPMENT, MOUNTING BRACKETS, AND HARDWARE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. GROUND DISTRIBUTION BOXES, MOUNTING PIPES, AND RRH'S IN ACCORDANCE WITH THE NEC ARTICLE 250 & THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
3. INSTALLED EQUIPMENT AND MOUNTING BRACKETS SHALL NOT INTERFERE WITH CLIMBING ACCESS NOR ANY INSTALLED SAFETY DEVICES.

PREPARED BY:

nexius

TRANFORM YOUR BUSINESS...THROUGH WIRELESS

A&E OFFICE:
300 APOLLO DRIVE, SUITE 7
CHELMSFORD, MA 01824
1 (978) 923-7965

APPLICANT:

CELLCO PARTNERSHIP d/b/a

verizon

20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

PROFESSIONAL STAMP:

SUBMITTALS

REV	DATE	DESCRIPTION	BY
0	03/12/21	PER CONSTRUCTION	MLB
1	07/06/21	PER NEW RFDS, MA/MOD	MLB

SITE INFORMATION:

SITE NAME:
POMFRET EAST CT

LOCATION CODE:
467148

SITE ADDRESS:
398 POMFRET STREET
POMFRET CENTER, CT 06259

DRAWN BY:	DATE:
MLB	07/06/21
CHECKED BY:	DATE:
KB	07/06/21

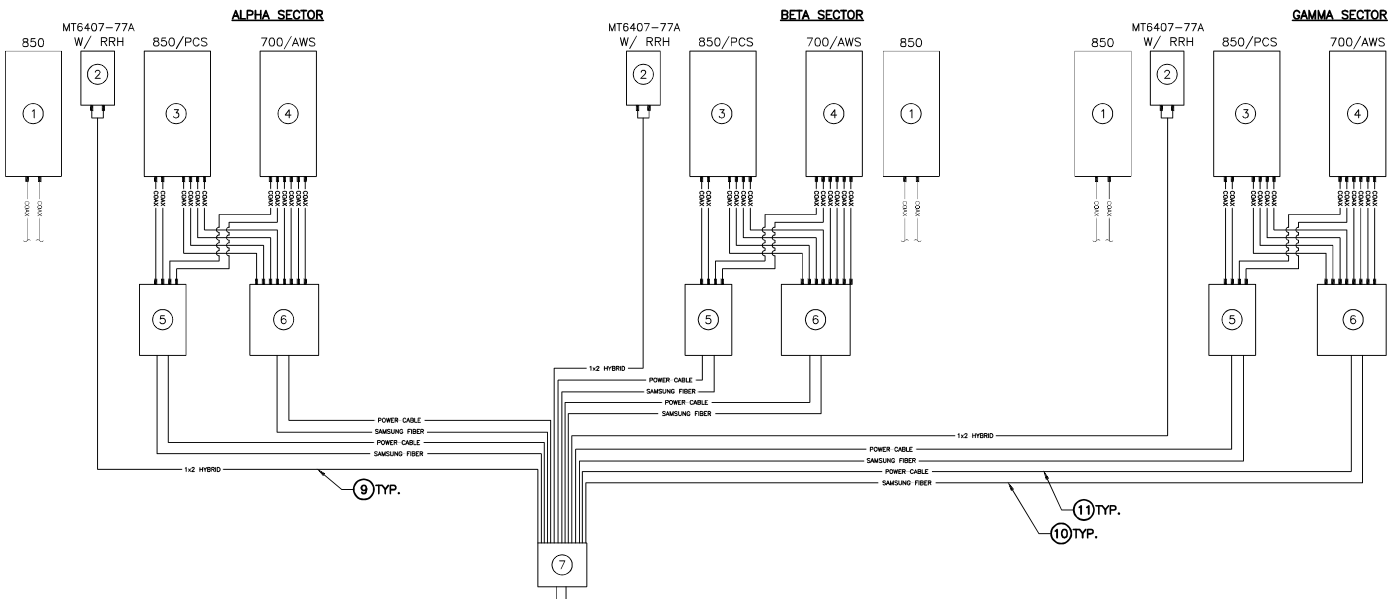
NEXIUS PROJECT NO.:
VZ11509

SHEET TITLE:
ANTENNA SECTOR CONFIGURATIONS, DETAILS & NOTES

SHEET NUMBER:

A-3

NOTE: ALL ANTENNAS ARE VIEWED FROM IN FRONT



GENERAL NOTES:

1. CONTRACTOR SHALL REFER TO THE LATEST VERIZON WIRELESS RFDS WHICH MAY INCLUDE ANTENNA SECTOR AZIMUITHS/ANTENNA CHANGES, ETC. THAT ARE REQUIRED AS PART OF THE PROJECT.
2. CONTRACTOR SHALL SECURE ALL CONTROL CABLES IN ACCORDANCE WITH INDUSTRY STANDARDS & MANUFACTURERS INSTRUCTIONS. EXTERIOR CONTROL CABLES MAY BE TAPED OR TIE-WRAPPED TO EXISTING COAXIAL CABLES EVERY 4' MAX. FOR HORIZONTAL RUNS. CONTRACTOR MAY USE HOISTING GRIPS AT TOP OF VERTICAL CABLE RUNS IN CERTAIN APPLICATIONS.
3. RET CABLES SHALL BE ROUTED & SECURED ON STRUCTURAL MEMBERS ONLY. DO NOT LOOP THE CABLES IN MID-AIR BETWEET ANTENNAS.
4. CONTRACTOR SHALL VERIFY ALL CABLE LENGTHS PRIOR TO CONSTRUCTION.

BILL OF MATERIALS

ITEM	DESCRIPTION	EXISTING/PROPOSED	QTY.	LENGTH	COMMENTS
1	850 ANTENNA	EXISTING	3	NA	RETAIN EXISTING 850 PANEL ANTENNA
2	MT6407-77A ANTENNA	PROPOSED	3	NA	INSTALL NEW MT6407-77A ANTENNA W/ RRH
3	850/PCS ANTENNA	PROPOSED	3	NA	INSTALL NEW JMA MX06FRO660-03 PANEL ANTENNA
4	700/AWS ANTENNA	PROPOSED	3	NA	INSTALL NEW JMA MX06FRO660-03 PANEL ANTENNA
5	700/850 RRH	PROPOSED	3	NA	INSTALL NEW RRH: 700/850 SAMSUNG B5/B13 RRH BRO4C AT ANTENNAS
6	AWS/PCS RRH	PROPOSED	3	NA	INSTALL NEW RHH: AWS/PCS SAMSUNG B2/B66A RRH BRO49 AT ANTENNAS
7	UPPER 12C OVP BOX	PROPOSED	1	NA	INSTALL NEW 12C OVP BOX AT ANTENNAS
8	LOWER OVP RACK MOUNT	PROPOSED	1	NA	INSTALL NEW MATCHING RAYCAP WITHIN SHELTER
9	1x2 HYBRID	PROPOSED	3	15'	INSTALL AT NEW MT6407-77A ANTENNA W/ RRH
10	SAMSUNG FIBER	PROPOSED	6	15'	INSTALL NEW AT 700/850 & AWS/PCS RRH
11	POWER CABLE	PROPOSED	6	15'	INSTALL NEW AT 700/850 & AWS/PCS RRH
12	6X12 LI HYBRID CABLE	PROPOSED	2	165'±	INSTALL NEW FROM SHELTER TO TOWER OVP
13	SIDE-BY-SIDE MOUNT	PROPOSED	3	NA	INSTALL NEW JMA 91900314-02 SIDE-BY-SIDE MOUNT

1. ITEMS SHOWN ARE FOR MAJOR DESIGN ELEMENTS ONLY, REFER TO VERIZON WIRELESS' B.O.M. FOR ALL MANUFACTURERS PART NUMBERS & ACCESSORY ITEMS REQUIRED FOR A COMPLETE INSTALLATION.
2. CONTRACTOR SHALL REFER TO THE LATEST VERIZON WIRELESS RFDS WHICH MAY INCLUDE ANTENNA SECTOR AZIMUTHS/ANTENNA CHANGES, ETC. THAT ARE REQUIRED AS PART OF THE PROJECT.

* SIGNIFIES LEASE ONLY.

PREPARED BY:

nexius
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A&E OFFICE:
300 APOLLO DRIVE, SUITE 7
CHELMSFORD, MA 01824
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APPLICANT:
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WALLINGFORD, CT 06492

PROFESSIONAL STAMP:

SUBMITTALS

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DRAWN BY:	DATE:
MLB	07/06/21
CHECKED BY:	DATE:
KB	07/06/21

NEXIUS PROJECT NO.:
VZ11509

SHEET TITLE:
RET SYSTEM WIRING SCHEMATIC

SHEET NUMBER:
A-4

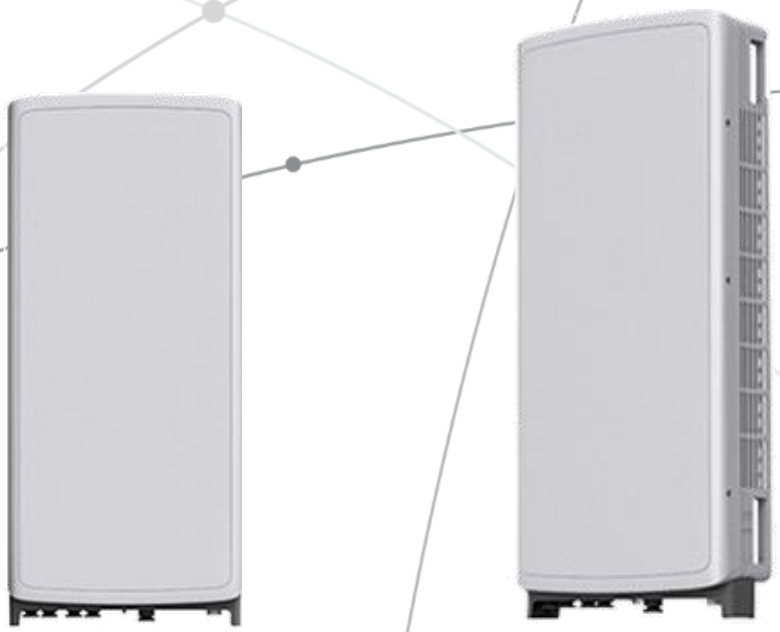
SAMSUNG

SAMSUNG C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

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

Model Code : MT6407-77A

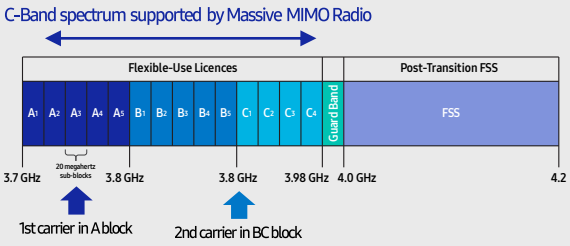


Points of Differentiation

Wide Bandwidth

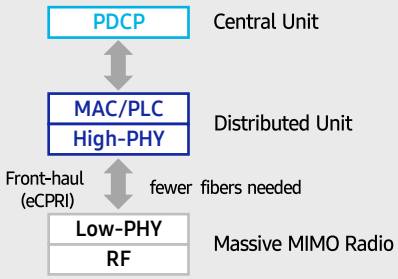
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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



Future Proof Product

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



Enhanced Performance

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

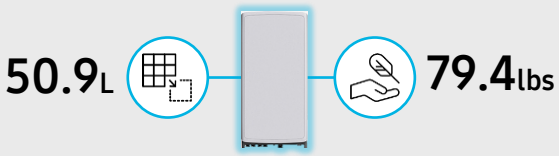
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

Well Matched Design

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

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



Technical Specifications

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

SAMSUNG

About Samsung Electronics Co., Ltd.

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

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

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

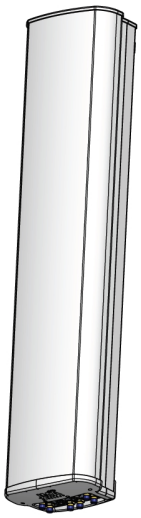
MX06FRO660-03

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

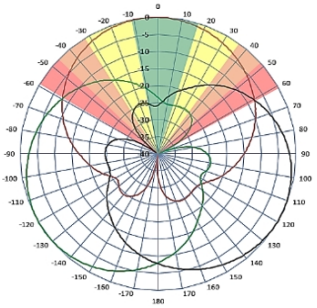
- Fast Roll Off (FRO™) azimuth beam pattern improves Intra- and Inter-cell SINR
- Compatible with dual band 700/850 MHz radios with independent low band EDT without external diplexers
- Fully integrated (iRETs) with independent RET control for low and high bands for ease of network optimization
- SON-Ready 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 .

Non-FRO antenna



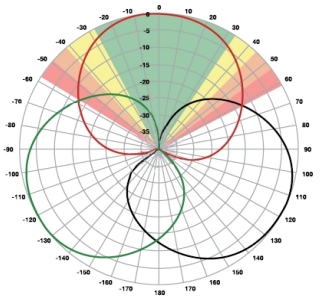
Large traditional antenna pattern overlap creates harmful interference.

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

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

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

JMA FRO antenna



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

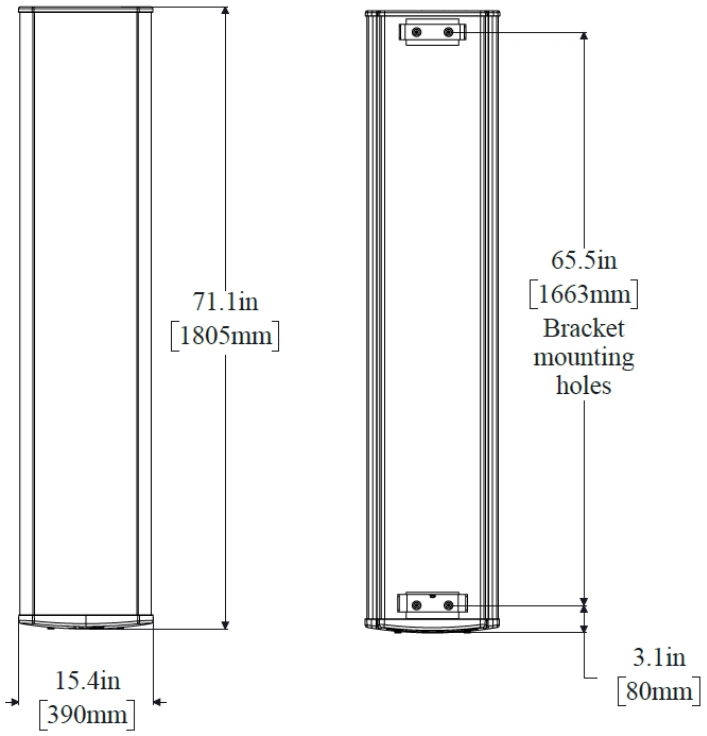
[1] Typical value over frequency and tilt

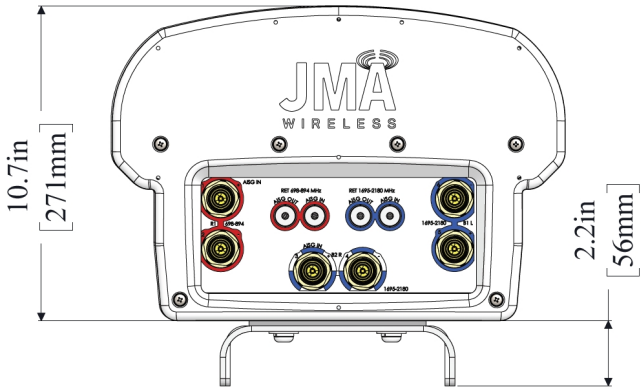
MX06FRO660-03

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

Front view | **Back view** | **Bottom view**





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

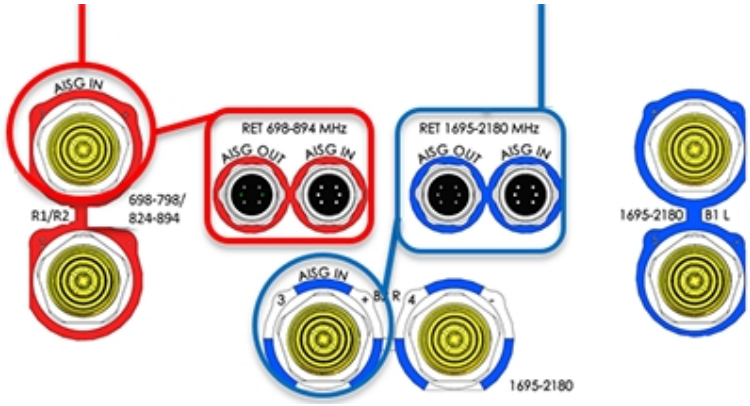
Remote electrical tilt (RET 1000) information	
RET location	Integrated into antenna
RET interface connector type	8-pin AISG connector per IEC 60130-9
RET connector torque	Min 0.5 N·m to max 1.0 N·m (hand pressure & finger tight)
RET interface connector quantity	2 pairs of AISG male/female connectors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

RET and RF connector topology

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

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

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

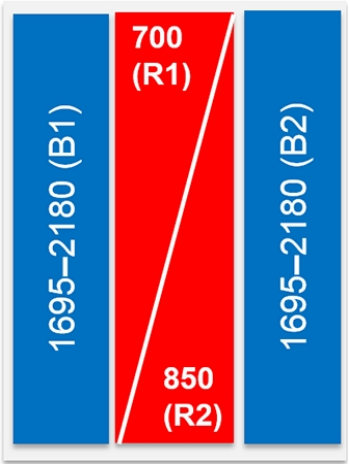


Array topology

3 sets of radiating arrays

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

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



ATTACHMENT 3

	General	Power	Density					
Site Name: Pomfret E								
Tower Height: Verizon @ 157ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS. EXP.**	**FRACTION MPE**	**Total**
*Sprint	1	377	167	850	0.0052	0.5667	0.09%	
*Sprint	2	942	167	850	0.0261	0.5667	0.46%	
*Sprint	5	512	167	1900	0.0355	1.0000	0.36%	
*Sprint	2	1280	167	1900	0.0355	1.0000	0.36%	
*Sprint	8	778	167	2500	0.0863	1.0000	0.86%	
*T-Mobile	1	10	147	5000	0.0002	1.0000	0.00%	
*T-Mobile	4	1115	147	1900	0.0807	1.0000	0.81%	
*T-Mobile	1	418	147	1900	0.0076	1.0000	0.08%	
*T-Mobile	2	789	147	600	0.0285	0.4000	0.71%	
*T-Mobile	2	433	147	700	0.0157	0.4667	0.34%	
VZW 700	**4**	**623**	**157**	**751**	**0.0036**	**0.5007**	**0.73%**	
VZW CDMA	**2**	**471**	**157**	**876.03**	**0.0014**	**0.5840**	**0.24%**	
VZW Cellular	**4**	**623**	**157**	**874**	**0.0036**	**0.5827**	**0.62%**	
VZW PCS	**4**	**1428**	**157**	**1977.5**	**0.0083**	**1.0000**	**0.83%**	
VZW AWS	**4**	**1530**	**157**	**2120**	**0.0089**	**1.0000**	**0.89%**	
VZW CBAND	**4**	**6531**	**157**	**3730.08**	**0.0381**	**1.0000**	**3.81%**	
								11.19%
* Source: Siting Council								

ATTACHMENT 4

Tower Engineering Solutions
Phone (972) 483-0607, Fax (972) 975-9615
1320 Greenway Drive, Suite 600, Irving, Texas 75038

Structural Analysis Report

Existing 168 ft SUMMIT Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT02217-S

Customer Site Name: Pomfret School

Carrier Name: Verizon (App#: 164513, v2)

Carrier Site ID / Name: 467148 / POMFRET_EAST_CT

Site Location: 398 Pomfret Street

Pomfret, Connecticut

Windham County

Latitude: 41.890094

Longitude: -71.955008

Analysis Result:

Max Structural Usage: 73.8% [Pass]

Max Foundation Usage: 63.4% [Pass]

Additional Usage Caused by Mount Modification: +2.50%

Report Prepared By: Walter Velez

Tower Engineering Solutions
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Additional Usage Caused by Mount Modification:

Report Prepared By: Walter Velez

Introduction

The purpose of this report is to summarize the analysis results on the 168 ft SUMMIT Monopole to support the proposed antennas and transmission lines in addition to those currently installed. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

Sources of Information

Tower Drawings	Original shaft section data prepared by Summit, LLC & Paul J. Ford and Company. Dated 11-23-1999. Job No 29299-802. Design No 5762. Previous structural report prepared by Tower Engineering Solutions. Dated 07-05-2019. TES Project No 80482.
Foundation Drawing	Foundation mapping report prepared by FDH Engineering, Inc. Dated 08-21-2012. Project
Geotechnical Report	Geotechnical report prepared by FDH Engineering, Inc. Dated 09-12-2012. Project No
Modification Drawings	
Mount Analysis	Post-Mod antenna mount analysis report and PMI requirements prepared by Master Consulting Connecticut. Dated 06-23-20201. Project No 20777646A.

Analysis Criteria

The rigorous analysis was performed in accordance with the requirements and stipulations of the TIA-

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

Wind Speed Used in the Analysis:	Ultimate Design Wind Speed V_{ult} =130.0 mph (3-Sec. Gust)
(Based on IBC 2015)	Nominal Design Wind Speed V_{asd} = 101.0 mph (3-Sec. Gust)
Wind Speed with Ice:	50 mph (3-Sec. Gust) with 3/4" radial ice concurrent
Operational Wind Speed:	60 mph + 0" Radial ice
Standard/Codes:	TIA-222-G-2, 2015 IBC & 2018 Connecticut State Building Code
Exposure Category:	
Structure Class:	
Topographic Category:	
Crest Height:	0 ft
Seismic Parameters:	

This structural analysis is based upon the tower being classified as a Structure Class II; however, if a different classification is required subsequent to the date hereof, the tower classification will be changed to meet such requirement and a new structural analysis will be run.

Existing Antennas, Mounts and Transmission Lines

The table below summarizes the antennas, mounts and transmission lines that were considered in the analysis as existing on the tower.

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
			RFS APXVTM14-C-I20 - Panel	Low Profile Platform w/ Reinforcement Kit (Site Pro PRK-1245L), V-Brace Kit (Site Pro PRK-SFS-H-L), (3) Pipe2.0STD x 15' Horizontal Rail, (3) Pipe2.0STD x 4' Long Corner Braces, & (6) Pipe2.0STD Mount Pipes	(4) 1-1/4" Fiber	Sprint Nextel
			Commscope NNVV-65B-R4 - Panel			
			ALU 1900 Mhz RRU's			
			ALU 800 Mhz RRU's			
			ALU TD-RRH8x20-25 RRU's			
			Commscope LNX-6514DS-AIM - Panel	Low Profile Platform	Coax; (1) 1 5/8" Fiber	Verizon
			Commscope HBXX-6517DS-A2M - Panel			
			Amphenol QUAD656COOOOx - Panel			
			Alcatel Lucent RRH2x60-AWS RRH's			
			Alcatel Lucent RRH2x60-700 RRH's			
			Rfs DB-T1-6Z-8AB-0Z ODU			
			RFS APXV18-206516S-C-A20 - Panel	Low Profile Platform w/ Reinforcement Kit (Site Pro PRK-1245)	Coax; (3) 1 5/8" Fiber	T-Mobile
			RFS APXVAARR24_43-U-NA20 - Panel			
			Ericsson KRY 112 489/2 TMA's			
			Allen Telecom FE15501P77/75 TMA's			
			Ericsson Radio 4449 B71+B12 RRU's			
			Kathrein 782 11056 Bias Ts			

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

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

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
			Commscope LNX6514DS-AIM - Panel	Platform w/ Hand Rails w/ (3) Mount Equipment + Modifications	Coax; Hybrid	Verizon
		6	JMA Wireless MX06FRO660-03 - Panel			
			Samsung MT6407-77A - Panel			
			Samsung B2/B66A RRU's			
			Samsung B5/B13 RRU's			
			Raycap RVZDC-6627-PF-48 DC Surge			

All transmission lines are considered running inside of the pole shafts. Please see the attached coax layout for the line placement considered in the analysis.

Analysis Results

The results of the structural analysis, performed for the wind and ice loading and antenna equipment as defined above, are summarized as the following:

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:			
Pass/Fail	**Pass**	**Pass**	**Pass**

Foundations

	Moment (Kip-Ft)	Shear (Kips)	Axial (Kips)
Original Design Reactions			
Analysis Reactions			
Factored Reactions*			

* Per section 15.5.1 of the TIA-222-G standard, factored reactions were obtained by multiplying a 1.35 factor to the original design reactions.

The foundation has been investigated using the supplied documents and soils report and was found adequate. Therefore, no modification to the foundation will be required.

Operational Condition (Rigidity):

Operational characteristics of the tower are found to be within the limits prescribed by TIA-222 for the installed antennas. The maximum twist/sway at the elevation of the proposed equipment is 1.4710 degrees under the operational wind speed as specified in the Analysis Criteria.

Conclusions

Based on the analysis results, the existing structure and its foundation were found to be adequate to safely support the existing and proposed equipment and meet the minimum requirements per the ANSI/TIA-222-G standards, the 2015 IBC and the 2018 Connecticut State Building Code under the design basic wind speed specified in the Analysis Criteria.

Standard Conditions

This analysis was performed based on the information supplied to **Tower Engineering Solutions,** Verification of the information provided was not included in the Scope of Work for . The accuracy of the analysis is dependent on the accuracy of the information provided.

The structural analysis was performance based upon the evidence available at the time of this report. All information provided by the client is considered to be accurate.

The analyses will be performed based on the codes as specified by the client or based on the best knowledge of the engineering staff of . In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/TIA-222. If wind speed and/or ice loads are different from the minimum values recommended by the ANSI/TIA-222 standard or other codes, should be notified in writing and the applicable minimum values provided by the client.

The configuration of the existing mounts, antennas, coax and other appurtenances were supplied by the customer for the current structural analysis. has not visited the tower site to verify the adequacy of the information provided. If there is any discrepancy found in the report regarding the existing conditions, should be notified immediately to evaluate the effect of the discrepancy on the analysis results.

The client will assume responsibility for rework associated with the differences in initially provided information, including tower and foundation information, existing and/or proposed equipment and transmission lines.

If a feasibility analysis was performed, final acceptance of changed conditions shall be based upon a rigorous structural analysis.

Usage Diagram - Max Ratio 73.83% at 87.8ft

Structure:	CT02217-S-SBA	**Code:**	EIA/TIA-222-G	8/23/2021
Site Name:	Pomfret School	**Exposure:**	C	
Height:	168.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

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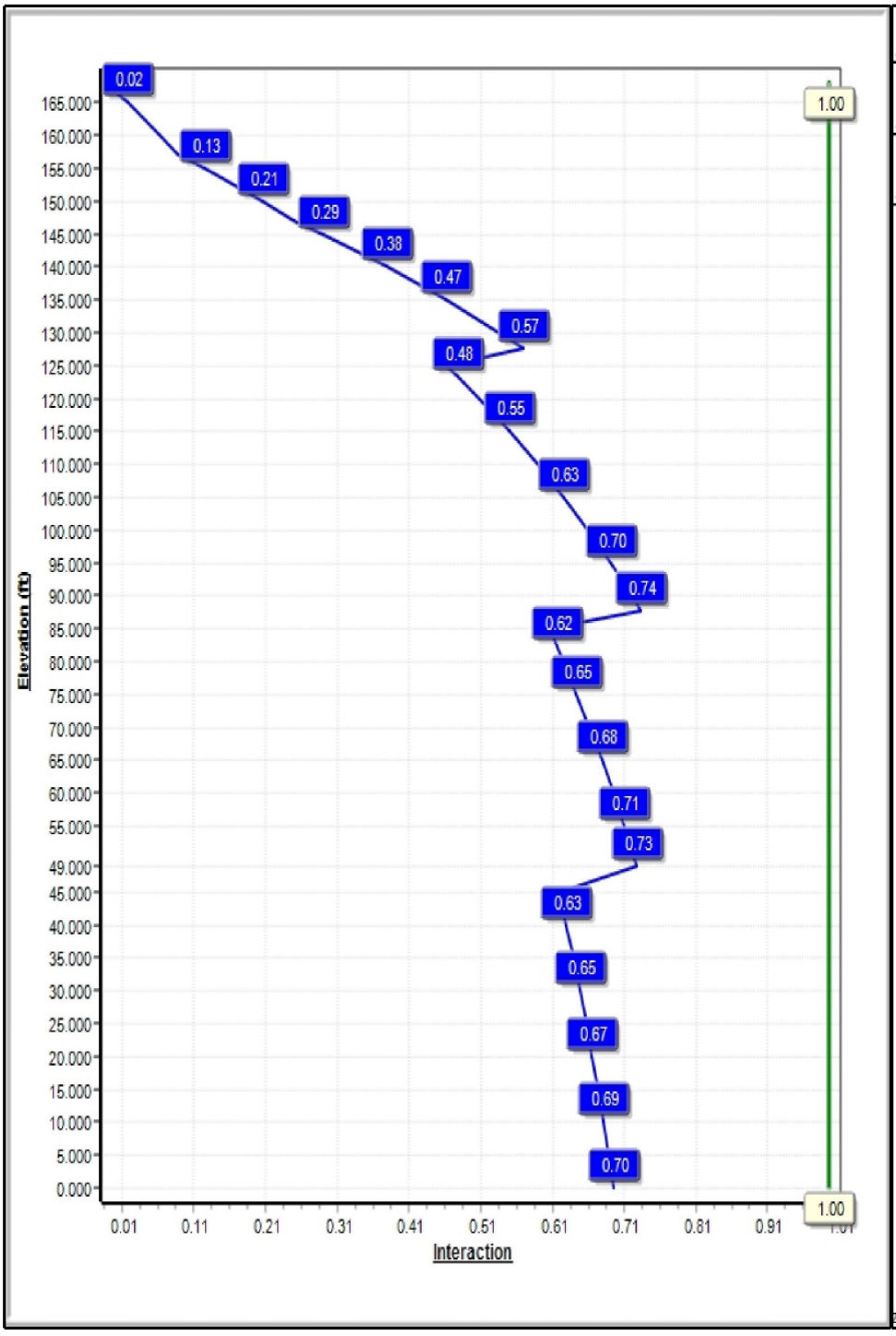
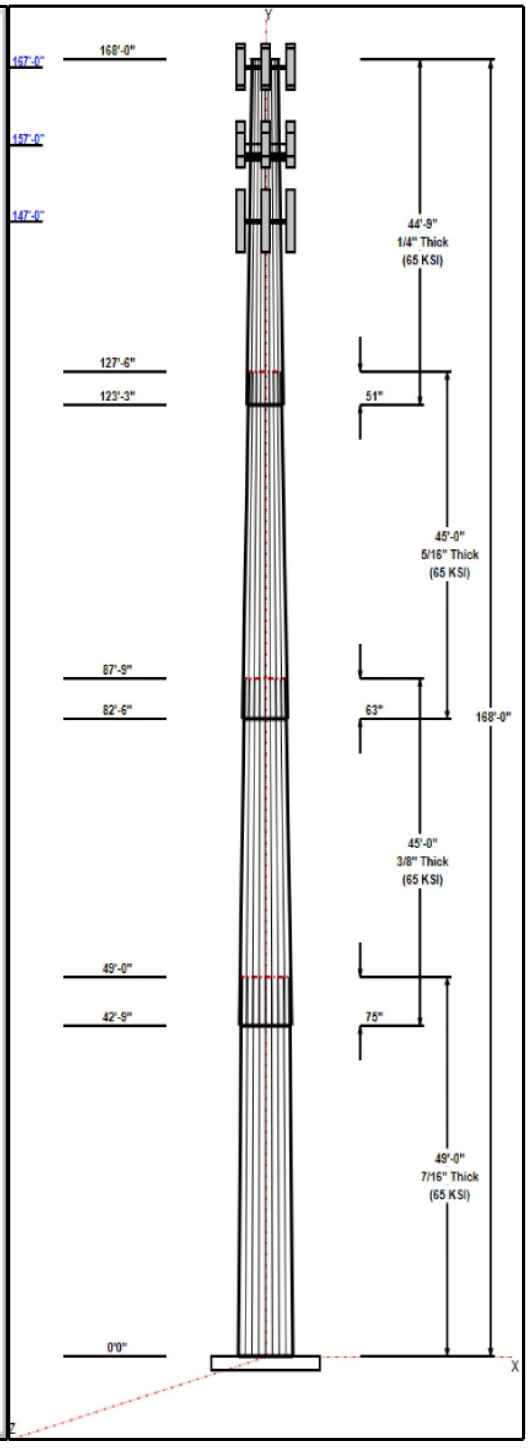
Dead Load Factor:	1.20	**Iterations:**	25
Wind Load Factor:	1.60		

Load Case : 1.2D + 1.6W 101 mph Wind





Structure: CT02217-S-SBA

Type: Tapered
Site Name: Pomfret School
Height: 168.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.22003

8/23/2021

Tower Engineering Solutions

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	49.00	48.31	59.09	0.438		0.22003	65
2	45.00	40.53	50.43	0.375	Slip	0.22003	65
3	45.00	32.41	42.31	0.313	Slip	0.22003	65
4	44.75	24.00	33.85	0.250	Slip	0.22003	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
168.00	170.50	1	Lightning Rod	---
167.00	167.00	1	V-Brace Kit (Site Pro	Sprint Nextel
167.00	167.00	1	Pipe2.0STD x 15'	Sprint Nextel
167.00	167.00	6	Pipe2.0STD Mount Pipes	Sprint Nextel
167.00	167.00	3	RFS APXVTM14-C-I20	Sprint Nextel
167.00	167.00	3	Commscope	Sprint Nextel
167.00	167.00	3	ALU 1900 Mhz RRU's	Sprint Nextel
167.00	167.00	6	ALU 800 Mhz RRU's	Sprint Nextel
167.00	167.00	3	ALU TD-RRH8x20-25	Sprint Nextel
167.00	167.00	1	Reinforcement Kit (Site	Sprint Nextel
167.00	167.00	1	Low Profile Platform	Sprint Nextel
157.00	157.00	3	Commscope	Verizon
157.00	157.00	6	JMA Wireless	Verizon
157.00	157.00	3	Samsung MT6407-77A	Verizon
157.00	157.00	3	Samsung B2/B66A RRU's	Verizon
157.00	157.00	3	Samsung B5/B13 RRU's	Verizon
157.00	157.00	1	Raycap	Verizon
157.00	157.00	3	JMA 91900314-02	Verizon
157.00	157.00	1	Platform w/ Hand Rails	Verizon
157.00	157.00	1	Kicker Kit	Verizon
157.00	157.00	1	Monopole Collar Mount	Verizon
147.00	147.00	3	RFS	T-Mobile
147.00	147.00	3	RFS	T-Mobile
147.00	147.00	3	Ericsson KRY 112 489/2	T-Mobile
147.00	147.00	3	Allen Telecom	T-Mobile
147.00	147.00	3	Ericsson Radio 4449	T-Mobile
147.00	147.00	3	Kathrein 782 11056 Bias	T-Mobile
147.00	147.00	1	Low Profile Platform	T-Mobile
147.00	147.00	1	Reinforcement Kit (Site	T-Mobile

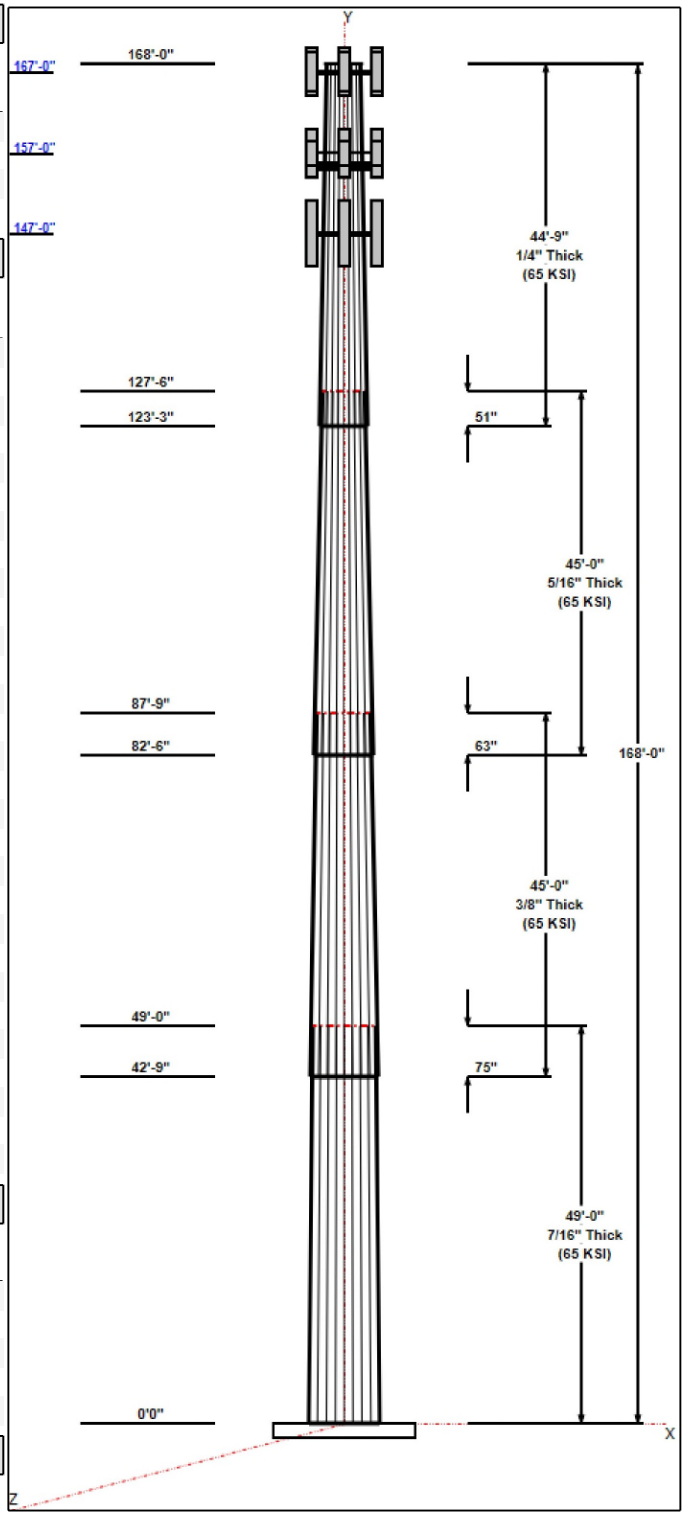
Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
3.00	167.00	Inside	1-1/4" Fiber	Sprint Nextel
3.00	157.00	Inside	1 5/8" Coax	Verizon
3.00	157.00	Inside	1 5/8" Hybrid	Verizon
3.00	147.00	Inside	1 5/8" Coax	T-Mobile
3.00	147.00	Inside	1 5/8" Fiber	T-Mobile

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
20	2.25" 18J	75.0	Cluster

Base Plate



Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
3.0000	65.0	50.0	Clipped

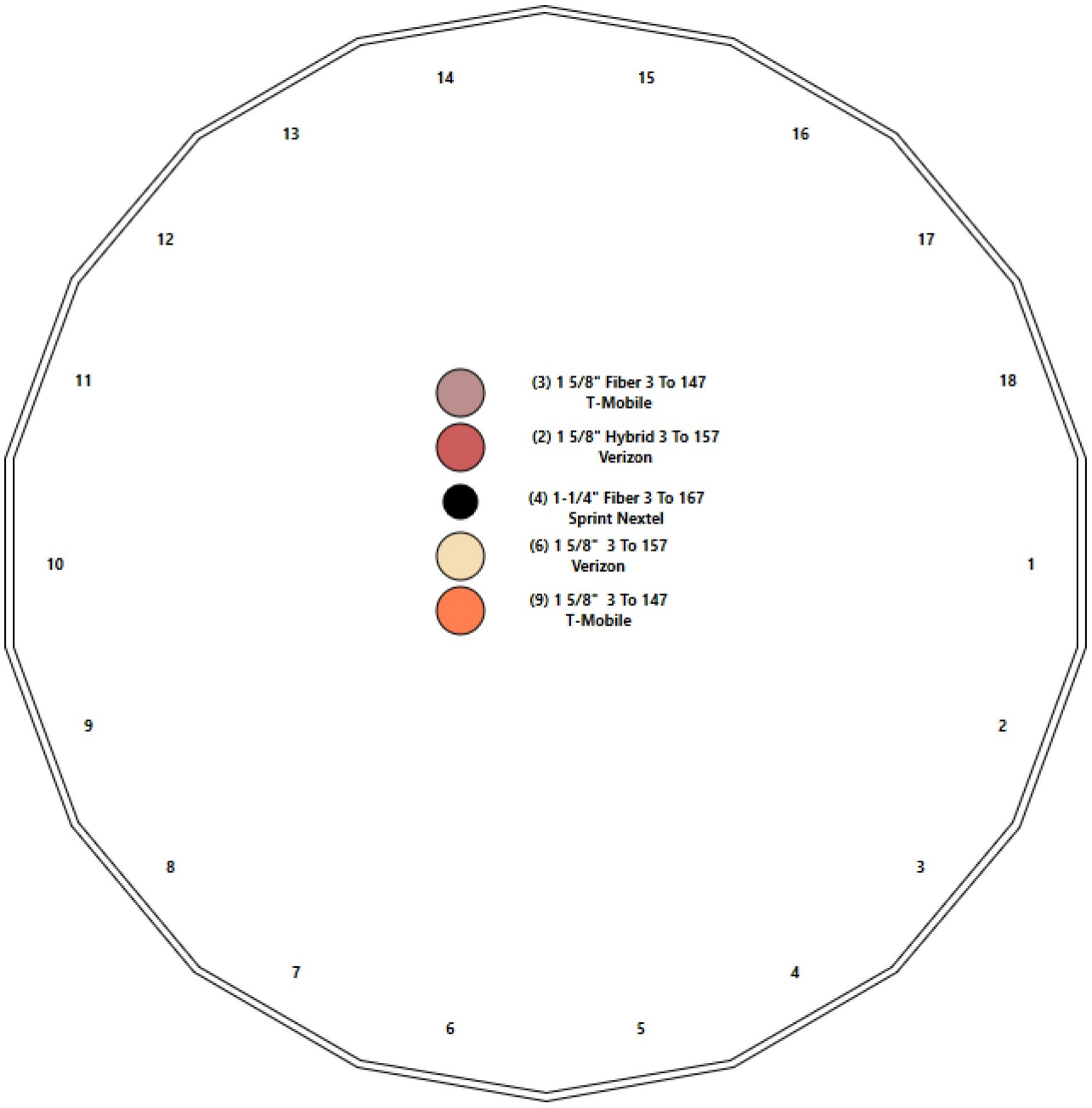
Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 101 mph Wind	4588.3	37.2	52.2
0.9D + 1.6W 101 mph Wind	4533.8	37.2	39.1
1.2D + 1.0Di + 1.0Wi 50 mph Wind	1228.8	10.0	78.5
1.2D + 1.0E	339.8	2.5	52.2
0.9D + 1.0E	335.4	2.5	39.2
1.0D + 1.0W 60 mph Wind	1005.9	8.2	43.5

Structure: CT02217-S-SBA - Coax Line Placement

Type: Monopole
Site Name: Pomfret School
Height: 168.00 (ft)

8/23/2021



Shaft Properties

Structure:	CT02217-S-SBA		**Code:**	EIA/TIA-222-G	8/23/2021
Site Name:	Pomfret School		**Exposure:**	C	
Height:	168.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 5

Tower Engineering Solutions

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	49.000	0.4375	65		0.00	12,331
2	18	45.000	0.3750	65	Slip	75.00	8,221
3	18	45.000	0.3125	65	Slip	63.00	5,627
4	18	44.750	0.2500	65	Slip	51.00	3,464
					Total Shaft Weight:		**29,644**

	Bottom						Top						
Sec. No.	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Taper**
1	59.09	0.00	81.44	35398.27	22.40	135.06	48.31	49.00	66.47	19246.0	18.06	110.4	0.220030
2	50.43	42.75	59.58	18863.19	22.30	134.49	40.53	87.75	47.80	9738.05	17.65	108.0	0.220030
3	42.31	82.50	41.66	9284.18	22.46	135.40	32.41	127.50	31.84	4144.35	16.88	103.7	0.220030
4	33.85	123.2	26.66	3801.54	22.46	135.39	24.00	168.00	18.84	1343.00	15.52	96.00	0.220030

Load Summary

Structure:	CT02217-S-SBA	**Code:**	EIA/TIA-222-G	8/23/2021	
Site Name:	Pomfret School	**Exposure:**	C		
Height:	168.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 6	

Tower Engineering Solutions

Discrete Appurtenances

				No Ice			Ice				
No.	**Elev (ft)**	**Description**	**Qty**	**Weight (lb)**	**CaAa (sf)**	**CaAa Factor**	**Weight (lb)**	**CaAa (sf)**	**CaAa Factor**	**Hor. Ecc. (ft)**	**Vert Ecc (ft)**
1	168.00	Lightning Rod	1	35.00	1.05	1.00	66.77	3.450	1.00	0.00	2.50
2	167.00	V-Brace Kit (Site Pro PRK-SFS-H-L)	1	230.00	6.70	1.00	554.59	13.791	1.00	0.00	0.00
3	167.00	Pipe2.0STD x 15' Horizontal Rail	1	261.72	6.75	1.00	575.67	13.418	1.00	0.00	0.00
4	167.00	Pipe2.0STD Mount Pipes	6	40.00	1.43	0.80	121.15	4.710	0.80	0.00	0.00
5	167.00	RFS APXVTM14-C-I20	3	56.00	6.34	0.78	218.50	7.466	0.78	0.00	0.00
6	167.00	Commscope NNVV-65B-R4	3	84.70	12.27	0.73	400.56	13.742	0.73	0.00	0.00
7	167.00	ALU 1900 Mhz RRU's	3	60.00	2.38	0.67	144.34	3.482	0.67	0.00	0.00
8	167.00	ALU 800 Mhz RRU's	6	53.00	2.13	0.67	127.76	3.119	0.67	0.00	0.00
9	167.00	ALU TD-RRH8x20-25 RRU's	3	70.00	4.05	0.67	181.91	4.873	0.67	0.00	0.00
10	167.00	Reinforcement Kit (Site Pro	1	464.91	9.50	1.00	792.96	19.555	1.00	0.00	0.00
11	167.00	Low Profile Platform	1	1500.00	22.00	1.00	2823.04	39.852	1.00	0.00	0.00
12	157.00	Commscope LNX6514DS-AIM	3	38.80	8.17	0.83	217.73	11.006	0.83	0.00	0.00
13	157.00	JMA Wireless MX06FRO660-03	6	60.00	9.87	0.87	330.39	11.252	0.87	0.00	0.00
14	157.00	Samsung MT6407-77A	3	87.10	4.70	0.70	207.22	5.632	0.70	0.00	0.00
15	157.00	Samsung B2/B66A RRU's	3	84.40	1.88	0.67	161.39	2.446	0.67	0.00	0.00
16	157.00	Samsung B5/B13 RRU's	3	70.30	1.88	0.67	140.06	2.446	0.67	0.00	0.00
17	157.00	Raycap RVZDC-6627-PF-48 DC	1	32.00	4.06	0.67	146.45	4.886	0.67	0.00	0.00
18	157.00	JMA 91900314-02	3	28.00	0.80	0.50	47.64	1.361	0.50	0.00	0.00
19	157.00	Platform w/ Hand Rails	1	2000.00	40.00	1.00	4103.83	61.038	1.00	0.00	0.00
20	157.00	Kicker Kit	1	291.00	9.50	1.00	495.07	19.493	1.00	0.00	0.00
21	157.00	Monopole Collar Mount Assembly	1	150.00	2.50	1.00	360.38	5.130	1.00	0.00	0.00
22	147.00	RFS APXV18-206516S-C-A20	3	18.70	3.62	0.78	88.63	5.479	0.78	0.00	0.00
23	147.00	RFS APXVAARR24_43-U-NA20	3	128.00	20.24	0.72	557.52	22.136	0.72	0.00	0.00
24	147.00	Ericsson KRY 112 489/2 TMA's	3	15.40	0.56	0.60	40.22	0.908	0.60	0.00	0.00
25	147.00	Allen Telecom FE15501P77/75	3	17.50	0.54	0.60	45.59	0.890	0.60	0.00	0.00
26	147.00	Ericsson Radio 4449 B71+B12	3	74.00	1.63	0.67	141.11	2.160	0.67	0.00	0.00
27	147.00	Kathrein 782 11056 Bias Ts	3	1.80	0.15	0.60	11.05	0.353	0.60	0.00	0.00
28	147.00	Low Profile Platform	1	1500.00	22.00	1.00	2806.27	39.626	1.00	0.00	0.00
29	147.00	Reinforcement Kit (Site Pro	1	464.91	9.50	1.00	788.80	19.428	1.00	0.00	0.00
		Totals:	**74**	**10,351.64**			**24,800.02**				

Linear Appurtenances

Bottom Elev. (ft)	**Top Elev. (ft)**	**Description**	**Exposed Width**	**Exposed**
3.00	167.00	(4) 1-1/4" Fiber	0.00	Inside
3.00	157.00	(6) 1 5/8" Coax	0.00	Inside
3.00	157.00	(2) 1 5/8" Hybrid	0.00	Inside
3.00	147.00	(9) 1 5/8" Coax	0.00	Inside
3.00	147.00	(3) 1 5/8" Fiber	0.00	Inside

Shaft Section Properties

Structure:	CT02217-S-SBA	**Code:**	EIA/TIA-222-G	8/23/2021	
Site Name:	Pomfret School	**Exposure:**	C		
Height:	168.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 7	

Increment Length: **5 (ft)**

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
0.00		0.4375	59.090	81.443	35398.3	22.40	135.06	75.0	1179.	0.0
5.00		0.4375	57.990	79.916	33443.5	21.96	132.55	75.6	1135.	1372.7
10.00		0.4375	56.890	78.388	31562.0	21.52	130.03	76.1	1092.	1346.7
15.00		0.4375	55.790	76.860	29752.5	21.07	127.52	76.6	1050.	1320.7
20.00		0.4375	54.689	75.333	28013.5	20.63	125.00	77.1	1008.	1294.7
25.00		0.4375	53.589	73.805	26343.6	20.19	122.49	77.7	968.2	1268.7
30.00		0.4375	52.489	72.278	24741.4	19.74	119.98	78.2	928.4	1242.7
35.00		0.4375	51.389	70.750	23205.6	19.30	117.46	78.7	889.4	1216.7
40.00		0.4375	50.289	69.222	21734.6	18.86	114.95	79.2	851.3	1190.7
42.75	Bot - Section 2	0.4375	49.684	68.382	20952.8	18.61	113.56	79.5	830.6	643.8
45.00		0.4375	49.189	67.695	20327.2	18.41	112.43	79.7	813.9	974.8
49.00	Top - Section 1	0.3750	49.059	57.943	17350.9	21.66	130.82	0.0	0.0	1708.9
50.00		0.3750	48.839	57.682	17116.7	21.55	130.24	76.0	690.3	196.7
55.00		0.3750	47.738	56.372	15977.3	21.04	127.30	76.7	659.2	970.2
60.00		0.3750	46.638	55.063	14889.6	20.52	124.37	77.3	628.8	948.0
65.00		0.3750	45.538	53.753	13852.4	20.00	121.43	77.9	599.1	925.7
70.00		0.3750	44.438	52.444	12864.6	19.48	118.50	78.5	570.2	903.4
75.00		0.3750	43.338	51.135	11924.8	18.97	115.57	79.1	542.0	881.1
80.00		0.3750	42.238	49.825	11032.0	18.45	112.63	79.7	514.4	858.9
82.50	Bot - Section 3	0.3750	41.688	49.170	10602.8	18.19	111.17	80.0	501.0	421.1
85.00		0.3750	41.137	48.516	10184.9	17.93	109.70	80.3	487.6	767.6
87.75	Top - Section 2	0.3125	41.157	40.512	8539.0	21.81	131.70	0.0	0.0	832.5
90.00		0.3125	40.662	40.021	8232.3	21.53	130.12	76.1	398.8	308.3
95.00		0.3125	39.562	38.929	7577.1	20.91	126.60	76.8	377.2	671.6
100.00		0.3125	38.462	37.838	6957.6	20.29	123.08	77.5	356.3	653.1
105.00		0.3125	37.362	36.747	6372.9	19.67	119.56	78.3	336.0	634.5
110.00		0.3125	36.262	35.656	5821.9	19.05	116.04	79.0	316.2	615.9
115.00		0.3125	35.162	34.565	5303.6	18.43	112.52	79.7	297.1	597.4
120.00		0.3125	34.061	33.474	4817.0	17.81	109.00	80.5	278.5	578.8
123.25	Bot - Section 4	0.3125	33.346	32.764	4517.2	17.40	106.71	80.9	266.8	366.3
125.00		0.3125	32.961	32.382	4361.1	17.19	105.48	81.2	260.6	351.8
127.50	Top - Section 3	0.2500	32.911	25.916	3492.9	21.80	131.64	0.0	0.0	495.5
130.00		0.2500	32.361	25.479	3319.3	21.41	129.44	76.2	202.0	218.6
135.00		0.2500	31.261	24.606	2989.7	20.64	125.04	77.1	188.4	426.1
140.00		0.2500	30.161	23.733	2682.7	19.86	120.64	78.0	175.2	411.2
145.00		0.2500	29.061	22.860	2397.4	19.09	116.24	79.0	162.5	396.4
147.00		0.2500	28.621	22.511	2289.2	18.78	114.48	79.3	157.5	154.4
150.00		0.2500	27.961	21.988	2133.1	18.31	111.84	79.9	150.3	227.1
155.00		0.2500	26.860	21.115	1889.0	17.53	107.44	80.8	138.5	366.7
157.00		0.2500	26.420	20.765	1796.9	17.22	105.68	81.1	134.0	142.5
160.00		0.2500	25.760	20.242	1664.3	16.76	103.04	81.7	127.3	209.3
165.00		0.2500	24.660	19.369	1458.1	15.98	98.64	82.5	116.5	337.0
167.00		0.2500	24.220	19.020	1380.7	15.67	96.88	82.5	112.3	130.6
168.00		0.2500	24.000	18.845	1343.0	15.52	96.00	82.5	110.2	64.4
										29643.8

Wind Loading - Shaft

Structure:	CT02217-S-SBA	**Code:**	EIA/TIA-222-G	8/23/2021	
Site Name:	Pomfret School	**Exposure:**	C		
Height:	168.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 8	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 101 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 25

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	21.088	23.20	465.60	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	21.088	23.20	456.93	0.650	0.000	5.00	24.768	16.10	597.5	0.0	1647.2
10.00		1.00	0.85	21.088	23.20	448.26	0.650	0.000	5.00	24.302	15.80	586.3	0.0	1616.0
15.00		1.00	0.85	21.088	23.20	439.59	0.650	0.000	5.00	23.837	15.49	575.0	0.0	1584.8
20.00		1.00	0.90	22.375	24.61	443.88	0.650	0.000	5.00	23.372	15.19	598.2	0.0	1553.6
25.00		1.00	0.95	23.451	25.80	445.29	0.650	0.000	5.00	22.906	14.89	614.5	0.0	1522.5
30.00		1.00	0.98	24.369	26.81	444.60	0.650	0.000	5.00	22.441	14.59	625.6	0.0	1491.3
35.00		1.00	1.01	25.172	27.69	442.40	0.650	0.000	5.00	21.975	14.28	632.8	0.0	1460.1
40.00		1.00	1.04	25.890	28.48	439.06	0.650	0.000	5.00	21.510	13.98	637.1	0.0	1428.9
42.75	Bot - Section 2	1.00	1.06	26.255	28.88	436.82	0.650	0.000	2.75	11.632	7.56	349.4	0.0	772.6
45.00		1.00	1.07	26.540	29.19	434.81	0.650	0.000	2.25	9.555	6.21	290.1	0.0	1169.8
49.00	Top - Section 1	1.00	1.09	27.020	29.72	430.88	0.650	0.000	4.00	16.754	10.89	517.9	0.0	2050.7
50.00		1.00	1.09	27.135	29.85	436.53	0.650	0.000	1.00	4.142	2.69	128.6	0.0	236.1
55.00		1.00	1.12	27.685	30.45	431.00	0.650	0.000	5.00	20.431	13.28	647.1	0.0	1164.3
60.00		1.00	1.14	28.197	31.02	424.94	0.650	0.000	5.00	19.965	12.98	644.0	0.0	1137.6
65.00		1.00	1.16	28.676	31.54	418.43	0.650	0.000	5.00	19.500	12.67	639.7	0.0	1110.8
70.00		1.00	1.17	29.127	32.04	411.52	0.650	0.000	5.00	19.034	12.37	634.2	0.0	1084.1
75.00		1.00	1.19	29.553	32.51	404.25	0.650	0.000	5.00	18.569	12.07	627.8	0.0	1057.4
80.00		1.00	1.21	29.958	32.95	396.68	0.650	0.000	5.00	18.103	11.77	620.4	0.0	1030.6
82.50	Bot - Section 3	1.00	1.22	30.152	33.17	392.78	0.650	0.000	2.50	8.877	5.77	306.2	0.0	505.3
85.00		1.00	1.22	30.342	33.38	388.82	0.650	0.000	2.50	8.893	5.78	308.7	0.0	921.1
87.75	Top - Section 2	1.00	1.23	30.546	33.60	384.39	0.650	0.000	2.75	9.648	6.27	337.1	0.0	999.0
90.00		1.00	1.24	30.710	33.78	386.65	0.650	0.000	2.25	7.789	5.06	273.6	0.0	369.9
95.00		1.00	1.25	31.061	34.17	378.33	0.650	0.000	5.00	16.971	11.03	603.1	0.0	805.9
100.00		1.00	1.27	31.399	34.54	369.80	0.650	0.000	5.00	16.506	10.73	592.9	0.0	783.7
105.00		1.00	1.28	31.723	34.89	361.08	0.650	0.000	5.00	16.040	10.43	582.1	0.0	761.4
110.00		1.00	1.29	32.035	35.24	352.16	0.650	0.000	5.00	15.575	10.12	570.8	0.0	739.1
115.00		1.00	1.30	32.336	35.57	343.08	0.650	0.000	5.00	15.109	9.82	558.9	0.0	716.8
120.00		1.00	1.32	32.627	35.89	333.84	0.650	0.000	5.00	14.644	9.52	546.6	0.0	694.6
123.25	Bot - Section 4	1.00	1.32	32.811	36.09	327.75	0.650	0.000	3.25	9.269	6.02	347.9	0.0	439.5
125.00		1.00	1.33	32.909	36.20	324.45	0.650	0.000	1.75	4.984	3.24	187.6	0.0	422.2
127.50	Top - Section 3	1.00	1.33	33.046	36.35	319.70	0.650	0.000	2.50	7.020	4.56	265.4	0.0	594.6
130.00		1.00	1.34	33.182	36.50	319.86	0.650	0.000	2.50	6.904	4.49	262.1	0.0	262.3
135.00		1.00	1.35	33.446	36.79	310.21	0.650	0.000	5.00	13.459	8.75	515.0	0.0	511.3
140.00		1.00	1.36	33.703	37.07	300.45	0.650	0.000	5.00	12.994	8.45	501.0	0.0	493.5
145.00		1.00	1.37	33.953	37.35	290.56	0.650	0.000	5.00	12.528	8.14	486.6	0.0	475.6
147.00	Appurtenance(s)	1.00	1.37	34.051	37.46	286.57	0.650	0.000	2.00	4.881	3.17	190.1	0.0	185.3
150.00		1.00	1.38	34.196	37.62	280.56	0.650	0.000	3.00	7.182	4.67	281.0	0.0	272.6
155.00		1.00	1.39	34.433	37.88	270.45	0.650	0.000	5.00	11.597	7.54	456.8	0.0	440.0
157.00	Appurtenance(s)	1.00	1.39	34.526	37.98	266.38	0.650	0.000	2.00	4.509	2.93	178.1	0.0	171.0
160.00		1.00	1.40	34.664	38.13	260.24	0.650	0.000	3.00	6.623	4.31	262.6	0.0	251.2
165.00		1.00	1.41	34.890	38.38	249.94	0.650	0.000	5.00	10.666	6.93	425.7	0.0	404.4
167.00	Appurtenance(s)	1.00	1.41	34.978	38.48	245.79	0.650	0.000	2.00	4.136	2.69	165.5	0.0	156.8
168.00	Appurtenance(s)	1.00	1.41	35.022	38.52	243.71	0.650	0.000	1.00	2.040	1.33	81.7	0.0	77.3
								Totals:	**168.00**			**19,253.6**		**35,572.5**

Discrete Appurtenance Forces

Structure:	CT02217-S-SBA	**Code:**	EIA/TIA-222-G	8/23/2021	
Site Name:	Pomfret School	**Exposure:**	C		
Height:	168.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 9	

Load Case: 1.2D + 1.6W 101 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 25

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	168.00	Lightning Rod	1	35.131	38.644	1.00	1.00	1.05	42.00	0.000	2.500	64.92	0.00	162.31
2	167.00	V-Brace Kit (Site Pro	1	34.978	38.476	0.75	0.75	5.03	276.00	0.000	0.000	309.35	0.00	0.00
3	167.00	Pipe2.0STD x 15'	1	34.978	38.476	0.75	0.75	5.06	314.06	0.000	0.000	311.66	0.00	0.00
4	167.00	Pipe2.0STD Mount Pipes	6	34.978	38.476	0.64	0.80	5.49	288.00	0.000	0.000	338.05	0.00	0.00
5	167.00	RFS APXVTM14-C-I20	3	34.978	38.476	0.62	0.80	11.87	201.60	0.000	0.000	730.64	0.00	0.00
6	167.00	Commscope	3	34.978	38.476	0.58	0.80	21.50	304.92	0.000	0.000	1323.39	0.00	0.00
7	167.00	ALU 1900 Mhz RRU's	3	34.978	38.476	0.54	0.80	3.83	216.00	0.000	0.000	235.60	0.00	0.00
8	167.00	ALU 800 Mhz RRU's	6	34.978	38.476	0.54	0.80	6.85	381.60	0.000	0.000	421.70	0.00	0.00
9	167.00	ALU TD-RRH8x20-25	3	34.978	38.476	0.54	0.80	6.51	252.00	0.000	0.000	400.91	0.00	0.00
10	167.00	Reinforcement Kit (Site	1	34.978	38.476	0.75	0.75	7.13	557.89	0.000	0.000	438.63	0.00	0.00
11	167.00	Low Profile Platform	1	34.978	38.476	1.00	1.00	22.00	1800.00	0.000	0.000	1354.35	0.00	0.00
12	157.00	Monopole Collar Mount	1	34.526	37.979	1.00	1.00	2.50	180.00	0.000	0.000	151.92	0.00	0.00
13	157.00	Kicker Kit	1	34.526	37.979	1.00	1.00	9.50	349.20	0.000	0.000	577.28	0.00	0.00
14	157.00	Platform w/ Hand Rails	1	34.526	37.979	1.00	1.00	40.00	2400.00	0.000	0.000	2430.66	0.00	0.00
15	157.00	JMA 91900314-02	3	34.526	37.979	0.38	0.75	0.90	100.80	0.000	0.000	54.69	0.00	0.00
16	157.00	Samsung B5/B13 RRU's	3	34.526	37.979	0.50	0.75	2.83	253.08	0.000	0.000	172.22	0.00	0.00
17	157.00	Samsung B2/B66A RRU's	3	34.526	37.979	0.50	0.75	2.83	303.84	0.000	0.000	172.22	0.00	0.00
18	157.00	Samsung MT6407-77A	3	34.526	37.979	0.52	0.75	7.40	313.56	0.000	0.000	449.82	0.00	0.00
19	157.00	JMA Wireless	6	34.526	37.979	0.65	0.75	38.64	432.00	0.000	0.000	2348.08	0.00	0.00
20	157.00	Commscope	3	34.526	37.979	0.62	0.75	15.26	139.68	0.000	0.000	927.14	0.00	0.00
21	157.00	Raycap	1	34.526	37.979	0.50	0.75	2.04	38.40	0.000	0.000	123.97	0.00	0.00
22	147.00	Allen Telecom	3	34.051	37.456	0.48	0.80	0.78	63.00	0.000	0.000	46.60	0.00	0.00
23	147.00	RFS	3	34.051	37.456	0.62	0.80	6.78	67.32	0.000	0.000	406.13	0.00	0.00
24	147.00	RFS	3	34.051	37.456	0.58	0.80	34.97	460.80	0.000	0.000	2096.05	0.00	0.00
25	147.00	Ericsson KRY 112 489/2	3	34.051	37.456	0.48	0.80	0.81	55.44	0.000	0.000	48.33	0.00	0.00
26	147.00	Reinforcement Kit (Site	1	34.051	37.456	0.75	0.75	7.13	557.89	0.000	0.000	427.00	0.00	0.00
27	147.00	Ericsson Radio 4449	3	34.051	37.456	0.54	0.80	2.62	266.40	0.000	0.000	157.08	0.00	0.00
28	147.00	Kathrein 782 11056 Bias	3	34.051	37.456	0.48	0.80	0.22	6.48	0.000	0.000	12.94	0.00	0.00
29	147.00	Low Profile Platform	1	34.051	37.456	1.00	1.00	22.00	1800.00	0.000	0.000	1318.47	0.00	0.00
							Totals:		**12,421.97**			**17,849.80**		

Total Applied Force Summary

Structure:	CT02217-S-SBA		**Code:**	EIA/TIA-222-G	8/23/2021
Site Name:	Pomfret School		**Exposure:**	C	
Height:	168.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 10

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 101 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 25

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		597.50	1703.75	0.00	0.00
10.00		586.27	1757.38	0.00	0.00
15.00		575.05	1726.19	0.00	0.00
20.00		598.23	1695.00	0.00	0.00
25.00		614.52	1663.81	0.00	0.00
30.00		625.59	1632.62	0.00	0.00
35.00		632.82	1601.43	0.00	0.00
40.00		637.08	1570.24	0.00	0.00
42.75		349.37	850.34	0.00	0.00
45.00		290.11	1233.40	0.00	0.00
49.00		517.89	2163.75	0.00	0.00
50.00		128.58	264.34	0.00	0.00
55.00		647.08	1305.66	0.00	0.00
60.00		644.02	1278.93	0.00	0.00
65.00		639.70	1252.19	0.00	0.00
70.00		634.25	1225.46	0.00	0.00
75.00		627.79	1198.72	0.00	0.00
80.00		620.43	1171.99	0.00	0.00
82.50		306.21	575.97	0.00	0.00
85.00		308.69	991.75	0.00	0.00
87.75		337.14	1076.78	0.00	0.00
90.00		273.64	433.56	0.00	0.00
95.00		603.06	947.31	0.00	0.00
100.00		592.89	925.03	0.00	0.00
105.00		582.12	902.75	0.00	0.00
110.00		570.79	880.47	0.00	0.00
115.00		558.93	858.19	0.00	0.00
120.00		546.59	835.92	0.00	0.00
123.25		347.92	531.40	0.00	0.00
125.00		187.62	471.64	0.00	0.00
127.50		265.41	665.25	0.00	0.00
130.00		262.08	333.01	0.00	0.00
135.00		514.98	652.65	0.00	0.00
140.00		500.99	634.83	0.00	0.00
145.00		486.62	617.01	0.00	0.00
147.00	(20) attachments	4702.73	3519.14	0.00	0.00
150.00		280.96	312.44	0.00	0.00
155.00		456.83	506.48	0.00	0.00
157.00	(25) attachments	7586.08	4708.16	0.00	0.00
160.00		262.65	260.67	0.00	0.00
165.00		425.73	420.20	0.00	0.00
167.00	(28) attachments	6029.79	4755.16	0.00	0.00
168.00	(1) attachments	146.66	119.31	0.00	162.31
	Totals:	**37,103.37**	**52,230.29**	**0.00**	**162.31**

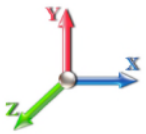
Calculated Forces

Structure:	CT02217-S-SBA	**Code:**	EIA/TIA-222-G	8/23/2021	
Site Name:	Pomfret School	**Exposure:**	C		
Height:	168.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 11	

Load Case: 1.2D + 1.6W 101 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 25

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-52.17	-37.19	0.00	-4588.3	0.00	4588.31	5501.01	2750.51	13262.9	6641.33	0.00	0.000	0.000	0.701
5.00	-50.35	-36.75	0.00	-4402.3	0.00	4402.38	5435.34	2717.67	12856.9	6438.04	0.10	-0.181	0.000	0.693
10.00	-48.48	-36.31	0.00	-4218.6	0.00	4218.65	5368.23	2684.11	12453.6	6236.09	0.38	-0.364	0.000	0.686
15.00	-46.64	-35.87	0.00	-4037.1	0.00	4037.10	5299.69	2649.84	12053.2	6035.57	0.87	-0.550	0.000	0.678
20.00	-44.84	-35.40	0.00	-3857.7	0.00	3857.75	5229.71	2614.86	11655.8	5836.57	1.54	-0.739	0.000	0.670
25.00	-43.06	-34.91	0.00	-3680.7	0.00	3680.73	5158.30	2579.15	11261.6	5639.20	2.42	-0.930	0.000	0.661
30.00	-41.33	-34.40	0.00	-3506.1	0.00	3506.18	5085.46	2542.73	10870.9	5443.55	3.50	-1.124	0.000	0.652
35.00	-39.62	-33.87	0.00	-3334.2	0.00	3334.20	5011.18	2505.59	10483.8	5249.72	4.78	-1.321	0.000	0.643
40.00	-37.98	-33.29	0.00	-3164.8	0.00	3164.86	4935.46	2467.73	10100.6	5057.82	6.27	-1.520	0.000	0.634
42.75	-37.08	-32.99	0.00	-3073.3	0.00	3073.31	4893.21	2446.61	9891.54	4953.12	7.18	-1.632	0.000	0.628
45.00	-35.78	-32.74	0.00	-2999.0	0.00	2999.08	4858.32	2429.16	9721.41	4867.93	7.97	-1.725	0.000	0.624
49.00	-33.58	-32.22	0.00	-2868.1	0.00	2868.12	3959.59	1979.80	7922.06	3966.92	9.49	-1.889	0.000	0.732
50.00	-33.24	-32.16	0.00	-2835.9	0.00	2835.90	3948.01	1974.01	7862.92	3937.31	9.89	-1.931	0.000	0.729
55.00	-31.83	-31.59	0.00	-2675.1	0.00	2675.11	3889.26	1944.63	7568.72	3789.99	12.03	-2.160	0.000	0.714
60.00	-30.45	-31.02	0.00	-2517.1	0.00	2517.15	3829.07	1914.54	7277.15	3643.98	14.42	-2.392	0.000	0.699
65.00	-29.11	-30.45	0.00	-2362.0	0.00	2362.03	3767.45	1883.72	6988.40	3499.39	17.05	-2.625	0.000	0.683
70.00	-27.79	-29.87	0.00	-2209.8	0.00	2209.80	3704.39	1852.20	6702.67	3356.32	19.92	-2.859	0.000	0.666
75.00	-26.50	-29.29	0.00	-2060.4	0.00	2060.45	3639.90	1819.95	6420.16	3214.85	23.04	-3.096	0.000	0.648
80.00	-25.28	-28.68	0.00	-1914.0	0.00	1914.00	3573.98	1786.99	6141.06	3075.10	26.41	-3.333	0.000	0.630
82.50	-24.66	-28.40	0.00	-1842.2	0.00	1842.29	3540.48	1770.24	6002.85	3005.89	28.19	-3.454	0.000	0.620
85.00	-23.63	-28.08	0.00	-1771.3	0.00	1771.30	3506.62	1753.31	5865.57	2937.15	30.03	-3.575	0.000	0.610
87.75	-22.52	-27.72	0.00	-1694.0	0.00	1694.08	2761.71	1380.86	4636.01	2321.45	32.13	-3.708	0.000	0.738
90.00	-22.01	-27.50	0.00	-1631.7	0.00	1631.70	2740.07	1370.04	4543.51	2275.13	33.90	-3.817	0.000	0.726
95.00	-20.98	-26.93	0.00	-1494.2	0.00	1494.23	2690.94	1345.47	4339.45	2172.95	38.04	-4.087	0.000	0.696
100.00	-19.98	-26.36	0.00	-1359.5	0.00	1359.59	2640.38	1320.19	4137.62	2071.89	42.46	-4.355	0.000	0.664
105.00	-19.01	-25.80	0.00	-1227.7	0.00	1227.79	2588.38	1294.19	3938.22	1972.04	47.16	-4.620	0.000	0.630
110.00	-18.07	-25.24	0.00	-1098.8	0.00	1098.81	2534.95	1267.48	3741.44	1873.50	52.14	-4.879	0.000	0.594
115.00	-17.15	-24.68	0.00	-972.63	0.00	972.63	2480.09	1240.04	3547.48	1776.38	57.38	-5.133	0.000	0.555
120.00	-16.29	-24.12	0.00	-849.23	0.00	849.23	2423.79	1211.90	3356.53	1680.76	62.88	-5.377	0.000	0.512
123.25	-15.74	-23.75	0.00	-770.86	0.00	770.86	2386.43	1193.21	3234.12	1619.46	66.59	-5.532	0.000	0.483
125.00	-15.25	-23.54	0.00	-729.30	0.00	729.30	2366.06	1183.03	3168.79	1586.75	68.63	-5.615	0.000	0.466
127.50	-14.57	-23.24	0.00	-670.44	0.00	670.44	1766.99	883.49	2371.88	1187.70	71.59	-5.729	0.000	0.573
130.00	-14.19	-22.99	0.00	-612.33	0.00	612.33	1747.69	873.85	2306.16	1154.80	74.62	-5.839	0.000	0.539
135.00	-13.51	-22.47	0.00	-497.36	0.00	497.36	1708.02	854.01	2176.01	1089.62	80.86	-6.077	0.000	0.465
140.00	-12.86	-21.94	0.00	-385.03	0.00	385.03	1666.92	833.46	2047.71	1025.37	87.33	-6.287	0.000	0.384
145.00	-12.26	-21.42	0.00	-275.32	0.00	275.32	1624.39	812.19	1921.45	962.15	94.00	-6.462	0.000	0.294
147.00	-9.27	-16.36	0.00	-232.49	0.00	232.49	1606.97	803.49	1871.57	937.18	96.71	-6.522	0.000	0.254
150.00	-8.97	-16.06	0.00	-183.42	0.00	183.42	1580.42	790.21	1797.44	900.06	100.83	-6.600	0.000	0.210
155.00	-8.50	-15.55	0.00	-103.15	0.00	103.15	1535.02	767.51	1675.88	839.18	107.78	-6.695	0.000	0.129
157.00	-4.71	-7.47	0.00	-72.05	0.00	72.05	1516.46	758.23	1627.98	815.20	110.59	-6.722	0.000	0.092
160.00	-4.48	-7.18	0.00	-49.64	0.00	49.64	1488.18	744.09	1556.95	779.63	114.81	-6.751	0.000	0.067
165.00	-4.11	-6.71	0.00	-13.74	0.00	13.74	1439.00	719.50	1439.93	721.04	121.88	-6.778	0.000	0.022
167.00	-0.10	-0.16	0.00	-0.32	0.00	0.32	1413.06	706.53	1388.23	695.14	124.71	-6.780	0.000	0.001
168.00	0.00	-0.15	0.00	-0.16	0.00	0.16	1400.09	700.04	1362.73	682.38	126.13	-6.781	0.000	0.000

Wind Loading - Shaft

Structure:	CT02217-S-SBA	**Code:**	EIA/TIA-222-G	8/23/2021	
Site Name:	Pomfret School	**Exposure:**	C		
Height:	168.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 12	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 101 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 25

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	21.088	23.20	465.60	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	21.088	23.20	456.93	0.650	0.000	5.00	24.768	16.10	597.5	0.0	1235.4
10.00		1.00	0.85	21.088	23.20	448.26	0.650	0.000	5.00	24.302	15.80	586.3	0.0	1212.0
15.00		1.00	0.85	21.088	23.20	439.59	0.650	0.000	5.00	23.837	15.49	575.0	0.0	1188.6
20.00		1.00	0.90	22.375	24.61	443.88	0.650	0.000	5.00	23.372	15.19	598.2	0.0	1165.2
25.00		1.00	0.95	23.451	25.80	445.29	0.650	0.000	5.00	22.906	14.89	614.5	0.0	1141.8
30.00		1.00	0.98	24.369	26.81	444.60	0.650	0.000	5.00	22.441	14.59	625.6	0.0	1118.4
35.00		1.00	1.01	25.172	27.69	442.40	0.650	0.000	5.00	21.975	14.28	632.8	0.0	1095.1
40.00		1.00	1.04	25.890	28.48	439.06	0.650	0.000	5.00	21.510	13.98	637.1	0.0	1071.7
42.75	Bot - Section 2	1.00	1.06	26.255	28.88	436.82	0.650	0.000	2.75	11.632	7.56	349.4	0.0	579.4
45.00		1.00	1.07	26.540	29.19	434.81	0.650	0.000	2.25	9.555	6.21	290.1	0.0	877.3
49.00	Top - Section 1	1.00	1.09	27.020	29.72	430.88	0.650	0.000	4.00	16.754	10.89	517.9	0.0	1538.0
50.00		1.00	1.09	27.135	29.85	436.53	0.650	0.000	1.00	4.142	2.69	128.6	0.0	177.1
55.00		1.00	1.12	27.685	30.45	431.00	0.650	0.000	5.00	20.431	13.28	647.1	0.0	873.2
60.00		1.00	1.14	28.197	31.02	424.94	0.650	0.000	5.00	19.965	12.98	644.0	0.0	853.2
65.00		1.00	1.16	28.676	31.54	418.43	0.650	0.000	5.00	19.500	12.67	639.7	0.0	833.1
70.00		1.00	1.17	29.127	32.04	411.52	0.650	0.000	5.00	19.034	12.37	634.2	0.0	813.1
75.00		1.00	1.19	29.553	32.51	404.25	0.650	0.000	5.00	18.569	12.07	627.8	0.0	793.0
80.00		1.00	1.21	29.958	32.95	396.68	0.650	0.000	5.00	18.103	11.77	620.4	0.0	773.0
82.50	Bot - Section 3	1.00	1.22	30.152	33.17	392.78	0.650	0.000	2.50	8.877	5.77	306.2	0.0	379.0
85.00		1.00	1.22	30.342	33.38	388.82	0.650	0.000	2.50	8.893	5.78	308.7	0.0	690.8
87.75	Top - Section 2	1.00	1.23	30.546	33.60	384.39	0.650	0.000	2.75	9.648	6.27	337.1	0.0	749.3
90.00		1.00	1.24	30.710	33.78	386.65	0.650	0.000	2.25	7.789	5.06	273.6	0.0	277.5
95.00		1.00	1.25	31.061	34.17	378.33	0.650	0.000	5.00	16.971	11.03	603.1	0.0	604.5
100.00		1.00	1.27	31.399	34.54	369.80	0.650	0.000	5.00	16.506	10.73	592.9	0.0	587.8
105.00		1.00	1.28	31.723	34.89	361.08	0.650	0.000	5.00	16.040	10.43	582.1	0.0	571.0
110.00		1.00	1.29	32.035	35.24	352.16	0.650	0.000	5.00	15.575	10.12	570.8	0.0	554.3
115.00		1.00	1.30	32.336	35.57	343.08	0.650	0.000	5.00	15.109	9.82	558.9	0.0	537.6
120.00		1.00	1.32	32.627	35.89	333.84	0.650	0.000	5.00	14.644	9.52	546.6	0.0	520.9
123.25	Bot - Section 4	1.00	1.32	32.811	36.09	327.75	0.650	0.000	3.25	9.269	6.02	347.9	0.0	329.6
125.00		1.00	1.33	32.909	36.20	324.45	0.650	0.000	1.75	4.984	3.24	187.6	0.0	316.6
127.50	Top - Section 3	1.00	1.33	33.046	36.35	319.70	0.650	0.000	2.50	7.020	4.56	265.4	0.0	445.9
130.00		1.00	1.34	33.182	36.50	319.86	0.650	0.000	2.50	6.904	4.49	262.1	0.0	196.7
135.00		1.00	1.35	33.446	36.79	310.21	0.650	0.000	5.00	13.459	8.75	515.0	0.0	383.5
140.00		1.00	1.36	33.703	37.07	300.45	0.650	0.000	5.00	12.994	8.45	501.0	0.0	370.1
145.00		1.00	1.37	33.953	37.35	290.56	0.650	0.000	5.00	12.528	8.14	486.6	0.0	356.7
147.00	Appurtenance(s)	1.00	1.37	34.051	37.46	286.57	0.650	0.000	2.00	4.881	3.17	190.1	0.0	139.0
150.00		1.00	1.38	34.196	37.62	280.56	0.650	0.000	3.00	7.182	4.67	281.0	0.0	204.4
155.00		1.00	1.39	34.433	37.88	270.45	0.650	0.000	5.00	11.597	7.54	456.8	0.0	330.0
157.00	Appurtenance(s)	1.00	1.39	34.526	37.98	266.38	0.650	0.000	2.00	4.509	2.93	178.1	0.0	128.3
160.00		1.00	1.40	34.664	38.13	260.24	0.650	0.000	3.00	6.623	4.31	262.6	0.0	188.4
165.00		1.00	1.41	34.890	38.38	249.94	0.650	0.000	5.00	10.666	6.93	425.7	0.0	303.3
167.00	Appurtenance(s)	1.00	1.41	34.978	38.48	245.79	0.650	0.000	2.00	4.136	2.69	165.5	0.0	117.6
168.00	Appurtenance(s)	1.00	1.41	35.022	38.52	243.71	0.650	0.000	1.00	2.040	1.33	81.7	0.0	58.0
								Totals:	**168.00**			**19,253.6**		**26,679.4**

Discrete Appurtenance Forces

Structure:	CT02217-S-SBA	**Code:**	EIA/TIA-222-G	8/23/2021	
Site Name:	Pomfret School	**Exposure:**	C		
Height:	168.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 13	

Load Case: 0.9D + 1.6W 101 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 25

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	168.00	Lightning Rod	1	35.131	38.644	1.00	1.00	1.05	31.50	0.000	2.500	64.92	0.00	162.31
2	167.00	V-Brace Kit (Site Pro	1	34.978	38.476	0.75	0.75	5.03	207.00	0.000	0.000	309.35	0.00	0.00
3	167.00	Pipe2.0STD x 15'	1	34.978	38.476	0.75	0.75	5.06	235.55	0.000	0.000	311.66	0.00	0.00
4	167.00	Pipe2.0STD Mount Pipes	6	34.978	38.476	0.64	0.80	5.49	216.00	0.000	0.000	338.05	0.00	0.00
5	167.00	RFS APXVTM14-C-I20	3	34.978	38.476	0.62	0.80	11.87	151.20	0.000	0.000	730.64	0.00	0.00
6	167.00	Commscope	3	34.978	38.476	0.58	0.80	21.50	228.69	0.000	0.000	1323.39	0.00	0.00
7	167.00	ALU 1900 Mhz RRU's	3	34.978	38.476	0.54	0.80	3.83	162.00	0.000	0.000	235.60	0.00	0.00
8	167.00	ALU 800 Mhz RRU's	6	34.978	38.476	0.54	0.80	6.85	286.20	0.000	0.000	421.70	0.00	0.00
9	167.00	ALU TD-RRH8x20-25	3	34.978	38.476	0.54	0.80	6.51	189.00	0.000	0.000	400.91	0.00	0.00
10	167.00	Reinforcement Kit (Site	1	34.978	38.476	0.75	0.75	7.13	418.42	0.000	0.000	438.63	0.00	0.00
11	167.00	Low Profile Platform	1	34.978	38.476	1.00	1.00	22.00	1350.00	0.000	0.000	1354.35	0.00	0.00
12	157.00	Monopole Collar Mount	1	34.526	37.979	1.00	1.00	2.50	135.00	0.000	0.000	151.92	0.00	0.00
13	157.00	Kicker Kit	1	34.526	37.979	1.00	1.00	9.50	261.90	0.000	0.000	577.28	0.00	0.00
14	157.00	Platform w/ Hand Rails	1	34.526	37.979	1.00	1.00	40.00	1800.00	0.000	0.000	2430.66	0.00	0.00
15	157.00	JMA 91900314-02	3	34.526	37.979	0.38	0.75	0.90	75.60	0.000	0.000	54.69	0.00	0.00
16	157.00	Samsung B5/B13 RRU's	3	34.526	37.979	0.50	0.75	2.83	189.81	0.000	0.000	172.22	0.00	0.00
17	157.00	Samsung B2/B66A RRU's	3	34.526	37.979	0.50	0.75	2.83	227.88	0.000	0.000	172.22	0.00	0.00
18	157.00	Samsung MT6407-77A	3	34.526	37.979	0.52	0.75	7.40	235.17	0.000	0.000	449.82	0.00	0.00
19	157.00	JMA Wireless	6	34.526	37.979	0.65	0.75	38.64	324.00	0.000	0.000	2348.08	0.00	0.00
20	157.00	Commscope	3	34.526	37.979	0.62	0.75	15.26	104.76	0.000	0.000	927.14	0.00	0.00
21	157.00	Raycap	1	34.526	37.979	0.50	0.75	2.04	28.80	0.000	0.000	123.97	0.00	0.00
22	147.00	Allen Telecom	3	34.051	37.456	0.48	0.80	0.78	47.25	0.000	0.000	46.60	0.00	0.00
23	147.00	RFS	3	34.051	37.456	0.62	0.80	6.78	50.49	0.000	0.000	406.13	0.00	0.00
24	147.00	RFS	3	34.051	37.456	0.58	0.80	34.97	345.60	0.000	0.000	2096.05	0.00	0.00
25	147.00	Ericsson KRY 112 489/2	3	34.051	37.456	0.48	0.80	0.81	41.58	0.000	0.000	48.33	0.00	0.00
26	147.00	Reinforcement Kit (Site	1	34.051	37.456	0.75	0.75	7.13	418.42	0.000	0.000	427.00	0.00	0.00
27	147.00	Ericsson Radio 4449	3	34.051	37.456	0.54	0.80	2.62	199.80	0.000	0.000	157.08	0.00	0.00
28	147.00	Kathrein 782 11056 Bias	3	34.051	37.456	0.48	0.80	0.22	4.86	0.000	0.000	12.94	0.00	0.00
29	147.00	Low Profile Platform	1	34.051	37.456	1.00	1.00	22.00	1350.00	0.000	0.000	1318.47	0.00	0.00
							Totals:		**9,316.48**			**17,849.80**		

Total Applied Force Summary

Structure:	CT02217-S-SBA		**Code:**	EIA/TIA-222-G	8/23/2021
Site Name:	Pomfret School		**Exposure:**	C	
Height:	168.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 14

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 101 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 25

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		597.50	1277.81	0.00	0.00
10.00		586.27	1318.03	0.00	0.00
15.00		575.05	1294.64	0.00	0.00
20.00		598.23	1271.25	0.00	0.00
25.00		614.52	1247.86	0.00	0.00
30.00		625.59	1224.47	0.00	0.00
35.00		632.82	1201.07	0.00	0.00
40.00		637.08	1177.68	0.00	0.00
42.75		349.37	637.75	0.00	0.00
45.00		290.11	925.05	0.00	0.00
49.00		517.89	1622.81	0.00	0.00
50.00		128.58	198.25	0.00	0.00
55.00		647.08	979.24	0.00	0.00
60.00		644.02	959.19	0.00	0.00
65.00		639.70	939.14	0.00	0.00
70.00		634.25	919.09	0.00	0.00
75.00		627.79	899.04	0.00	0.00
80.00		620.43	878.99	0.00	0.00
82.50		306.21	431.98	0.00	0.00
85.00		308.69	743.82	0.00	0.00
87.75		337.14	807.58	0.00	0.00
90.00		273.64	325.17	0.00	0.00
95.00		603.06	710.48	0.00	0.00
100.00		592.89	693.77	0.00	0.00
105.00		582.12	677.06	0.00	0.00
110.00		570.79	660.35	0.00	0.00
115.00		558.93	643.65	0.00	0.00
120.00		546.59	626.94	0.00	0.00
123.25		347.92	398.55	0.00	0.00
125.00		187.62	353.73	0.00	0.00
127.50		265.41	498.94	0.00	0.00
130.00		262.08	249.76	0.00	0.00
135.00		514.98	489.49	0.00	0.00
140.00		500.99	476.12	0.00	0.00
145.00		486.62	462.75	0.00	0.00
147.00	(20) attachments	4702.73	2639.36	0.00	0.00
150.00		280.96	234.33	0.00	0.00
155.00		456.83	379.86	0.00	0.00
157.00	(25) attachments	7586.08	3531.12	0.00	0.00
160.00		262.65	195.50	0.00	0.00
165.00		425.73	315.15	0.00	0.00
167.00	(28) attachments	6029.79	3566.37	0.00	0.00
168.00	(1) attachments	146.66	89.48	0.00	162.31
	Totals:	**37,103.37**	**39,172.72**	**0.00**	**162.31**

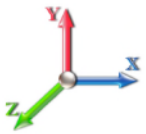
Calculated Forces

Structure:	CT02217-S-SBA	**Code:**	EIA/TIA-222-G	8/23/2021	
Site Name:	Pomfret School	**Exposure:**	C		
Height:	168.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 15	

Load Case: 0.9D + 1.6W 101 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 25

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-39.11	-37.17	0.00	-4533.8	0.00	4533.80	5501.01	2750.51	13262.9	6641.33	0.00	0.000	0.000	0.690
5.00	-37.72	-36.68	0.00	-4347.9	0.00	4347.97	5435.34	2717.67	12856.9	6438.04	0.10	-0.178	0.000	0.682
10.00	-36.29	-36.21	0.00	-4164.5	0.00	4164.55	5368.23	2684.11	12453.6	6236.09	0.38	-0.360	0.000	0.675
15.00	-34.89	-35.74	0.00	-3983.5	0.00	3983.52	5299.69	2649.84	12053.2	6035.57	0.86	-0.543	0.000	0.667
20.00	-33.51	-35.23	0.00	-3804.8	0.00	3804.85	5229.71	2614.86	11655.8	5836.57	1.52	-0.729	0.000	0.658
25.00	-32.15	-34.71	0.00	-3628.6	0.00	3628.69	5158.30	2579.15	11261.6	5639.20	2.39	-0.918	0.000	0.650
30.00	-30.82	-34.16	0.00	-3455.1	0.00	3455.15	5085.46	2542.73	10870.9	5443.55	3.45	-1.109	0.000	0.641
35.00	-29.52	-33.61	0.00	-3284.3	0.00	3284.34	5011.18	2505.59	10483.8	5249.72	4.72	-1.303	0.000	0.632
40.00	-28.27	-33.02	0.00	-3116.3	0.00	3116.31	4935.46	2467.73	10100.6	5057.82	6.19	-1.499	0.000	0.622
42.75	-27.59	-32.70	0.00	-3025.5	0.00	3025.52	4893.21	2446.61	9891.54	4953.12	7.09	-1.610	0.000	0.617
45.00	-26.60	-32.44	0.00	-2951.9	0.00	2951.95	4858.32	2429.16	9721.41	4867.93	7.87	-1.701	0.000	0.612
49.00	-24.94	-31.92	0.00	-2822.1	0.00	2822.19	3959.59	1979.80	7922.06	3966.92	9.36	-1.863	0.000	0.718
50.00	-24.67	-31.84	0.00	-2790.2	0.00	2790.28	3948.01	1974.01	7862.92	3937.31	9.76	-1.904	0.000	0.715
55.00	-23.59	-31.25	0.00	-2631.0	0.00	2631.08	3889.26	1944.63	7568.72	3789.99	11.87	-2.129	0.000	0.701
60.00	-22.53	-30.66	0.00	-2474.8	0.00	2474.83	3829.07	1914.54	7277.15	3643.98	14.22	-2.357	0.000	0.685
65.00	-21.50	-30.07	0.00	-2321.5	0.00	2321.53	3767.45	1883.72	6988.40	3499.39	16.81	-2.586	0.000	0.669
70.00	-20.50	-29.47	0.00	-2171.2	0.00	2171.20	3704.39	1852.20	6702.67	3356.32	19.65	-2.817	0.000	0.653
75.00	-19.51	-28.88	0.00	-2023.8	0.00	2023.83	3639.90	1819.95	6420.16	3214.85	22.72	-3.049	0.000	0.635
80.00	-18.58	-28.27	0.00	-1879.4	0.00	1879.43	3573.98	1786.99	6141.06	3075.10	26.03	-3.281	0.000	0.617
82.50	-18.11	-27.98	0.00	-1808.7	0.00	1808.76	3540.48	1770.24	6002.85	3005.89	27.78	-3.400	0.000	0.607
85.00	-17.33	-27.66	0.00	-1738.8	0.00	1738.83	3506.62	1753.31	5865.57	2937.15	29.60	-3.519	0.000	0.597
87.75	-16.49	-27.31	0.00	-1662.7	0.00	1662.76	2761.71	1380.86	4636.01	2321.45	31.66	-3.650	0.000	0.723
90.00	-16.09	-27.07	0.00	-1601.3	0.00	1601.32	2740.07	1370.04	4543.51	2275.13	33.41	-3.757	0.000	0.710
95.00	-15.30	-26.49	0.00	-1465.9	0.00	1465.99	2690.94	1345.47	4339.45	2172.95	37.48	-4.022	0.000	0.681
100.00	-14.54	-25.91	0.00	-1333.5	0.00	1333.56	2640.38	1320.19	4137.62	2071.89	41.83	-4.285	0.000	0.650
105.00	-13.79	-25.34	0.00	-1204.0	0.00	1204.00	2588.38	1294.19	3938.22	1972.04	46.46	-4.544	0.000	0.616
110.00	-13.07	-24.78	0.00	-1077.2	0.00	1077.29	2534.95	1267.48	3741.44	1873.50	51.35	-4.799	0.000	0.581
115.00	-12.37	-24.22	0.00	-953.41	0.00	953.41	2480.09	1240.04	3547.48	1776.38	56.50	-5.047	0.000	0.542
120.00	-11.72	-23.66	0.00	-832.33	0.00	832.33	2423.79	1211.90	3356.53	1680.76	61.91	-5.287	0.000	0.500
123.25	-11.31	-23.30	0.00	-755.45	0.00	755.45	2386.43	1193.21	3234.12	1619.46	65.56	-5.439	0.000	0.472
125.00	-10.93	-23.09	0.00	-714.68	0.00	714.68	2366.06	1183.03	3168.79	1586.75	67.56	-5.520	0.000	0.455
127.50	-10.42	-22.80	0.00	-656.95	0.00	656.95	1766.99	883.49	2371.88	1187.70	70.48	-5.632	0.000	0.560
130.00	-10.13	-22.55	0.00	-599.94	0.00	599.94	1747.69	873.85	2306.16	1154.80	73.46	-5.740	0.000	0.526
135.00	-9.61	-22.02	0.00	-487.21	0.00	487.21	1708.02	854.01	2176.01	1089.62	79.59	-5.973	0.000	0.453
140.00	-9.12	-21.50	0.00	-377.11	0.00	377.11	1666.92	833.46	2047.71	1025.37	85.94	-6.178	0.000	0.374
145.00	-8.67	-20.99	0.00	-269.60	0.00	269.60	1624.39	812.19	1921.45	962.15	92.50	-6.350	0.000	0.286
147.00	-6.55	-16.03	0.00	-227.63	0.00	227.63	1606.97	803.49	1871.57	937.18	95.17	-6.409	0.000	0.247
150.00	-6.33	-15.73	0.00	-179.55	0.00	179.55	1580.42	790.21	1797.44	900.06	99.21	-6.485	0.000	0.204
155.00	-5.99	-15.24	0.00	-100.90	0.00	100.90	1535.02	767.51	1675.88	839.18	106.04	-6.578	0.000	0.125
157.00	-3.35	-7.30	0.00	-70.42	0.00	70.42	1516.46	758.23	1627.98	815.20	108.80	-6.604	0.000	0.089
160.00	-3.18	-7.02	0.00	-48.52	0.00	48.52	1488.18	744.09	1556.95	779.63	112.95	-6.632	0.000	0.064
165.00	-2.91	-6.56	0.00	-13.44	0.00	13.44	1439.00	719.50	1439.93	721.04	119.90	-6.659	0.000	0.021
167.00	-0.07	-0.16	0.00	-0.32	0.00	0.32	1413.06	706.53	1388.23	695.14	122.68	-6.661	0.000	0.001
168.00	0.00	-0.15	0.00	-0.16	0.00	0.16	1400.09	700.04	1362.73	682.38	124.07	-6.661	0.000	0.000

Wind Loading - Shaft

Structure:	CT02217-S-SBA	**Code:**	EIA/TIA-222-G	8/23/2021	
Site Name:	Pomfret School	**Exposure:**	C		
Height:	168.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 16	

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 24

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	5.168	5.68	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	5.168	5.68	0.00	1.200	1.242	5.00	25.803	30.96	176.0	460.9	2108.1
10.00		1.00	0.85	5.168	5.68	0.00	1.200	1.331	5.00	25.412	30.49	173.4	485.5	2101.5
15.00		1.00	0.85	5.168	5.68	0.00	1.200	1.386	5.00	24.992	29.99	170.5	496.5	2081.3
20.00		1.00	0.90	5.483	6.03	0.00	1.200	1.427	5.00	24.560	29.47	177.8	501.5	2055.2
25.00		1.00	0.95	5.747	6.32	0.00	1.200	1.459	5.00	24.122	28.95	183.0	503.1	2025.5
30.00		1.00	0.98	5.972	6.57	0.00	1.200	1.486	5.00	23.679	28.41	186.7	502.3	1993.6
35.00		1.00	1.01	6.169	6.79	0.00	1.200	1.509	5.00	23.232	27.88	189.2	500.0	1960.0
40.00		1.00	1.04	6.345	6.98	0.00	1.200	1.529	5.00	22.784	27.34	190.8	496.3	1925.2
42.75	Bot - Section 2	1.00	1.06	6.434	7.08	0.00	1.200	1.539	2.75	12.337	14.80	104.8	271.6	1044.2
45.00		1.00	1.07	6.504	7.15	0.00	1.200	1.547	2.25	10.135	12.16	87.0	224.5	1394.3
49.00	Top - Section 1	1.00	1.09	6.622	7.28	0.00	1.200	1.560	4.00	17.794	21.35	155.5	395.8	2446.5
50.00		1.00	1.09	6.650	7.32	0.00	1.200	1.564	1.00	4.403	5.28	38.6	98.7	334.8
55.00		1.00	1.12	6.785	7.46	0.00	1.200	1.579	5.00	21.746	26.10	194.8	487.6	1651.9
60.00		1.00	1.14	6.910	7.60	0.00	1.200	1.592	5.00	21.292	25.55	194.2	481.1	1618.6
65.00		1.00	1.16	7.028	7.73	0.00	1.200	1.605	5.00	20.837	25.00	193.3	474.0	1584.8
70.00		1.00	1.17	7.138	7.85	0.00	1.200	1.617	5.00	20.382	24.46	192.0	466.5	1550.6
75.00		1.00	1.19	7.243	7.97	0.00	1.200	1.628	5.00	19.926	23.91	190.5	458.6	1516.0
80.00		1.00	1.21	7.342	8.08	0.00	1.200	1.639	5.00	19.469	23.36	188.7	450.4	1481.0
82.50	Bot - Section 3	1.00	1.22	7.390	8.13	0.00	1.200	1.644	2.50	9.562	11.47	93.3	223.1	728.4
85.00		1.00	1.22	7.436	8.18	0.00	1.200	1.649	2.50	9.580	11.50	94.0	224.2	1145.2
87.75	Top - Section 2	1.00	1.23	7.486	8.23	0.00	1.200	1.654	2.75	10.406	12.49	102.8	243.9	1243.0
90.00		1.00	1.24	7.526	8.28	0.00	1.200	1.658	2.25	8.411	10.09	83.6	197.8	567.7
95.00		1.00	1.25	7.612	8.37	0.00	1.200	1.667	5.00	18.361	22.03	184.5	430.5	1236.5
100.00		1.00	1.27	7.695	8.46	0.00	1.200	1.676	5.00	17.902	21.48	181.8	421.3	1204.9
105.00		1.00	1.28	7.774	8.55	0.00	1.200	1.684	5.00	17.444	20.93	179.0	411.8	1173.2
110.00		1.00	1.29	7.851	8.64	0.00	1.200	1.692	5.00	16.985	20.38	176.0	402.1	1141.2
115.00		1.00	1.30	7.925	8.72	0.00	1.200	1.699	5.00	16.526	19.83	172.9	392.3	1109.1
120.00		1.00	1.32	7.996	8.80	0.00	1.200	1.707	5.00	16.066	19.28	169.6	382.3	1076.8
123.25	Bot - Section 4	1.00	1.32	8.041	8.85	0.00	1.200	1.711	3.25	10.196	12.24	108.2	244.2	683.7
125.00		1.00	1.33	8.065	8.87	0.00	1.200	1.714	1.75	5.483	6.58	58.4	132.1	554.3
127.50	Top - Section 3	1.00	1.33	8.099	8.91	0.00	1.200	1.717	2.50	7.736	9.28	82.7	186.2	780.7
130.00		1.00	1.34	8.132	8.95	0.00	1.200	1.720	2.50	7.621	9.15	81.8	183.6	445.9
135.00		1.00	1.35	8.197	9.02	0.00	1.200	1.727	5.00	14.898	17.88	161.2	356.7	868.0
140.00		1.00	1.36	8.260	9.09	0.00	1.200	1.733	5.00	14.438	17.33	157.4	346.1	839.6
145.00		1.00	1.37	8.321	9.15	0.00	1.200	1.739	5.00	13.978	16.77	153.5	335.4	811.1
147.00	Appurtenance(s)	1.00	1.37	8.345	9.18	0.00	1.200	1.742	2.00	5.461	6.55	60.2	132.4	317.7
150.00		1.00	1.38	8.381	9.22	0.00	1.200	1.745	3.00	8.054	9.67	89.1	194.8	467.3
155.00		1.00	1.39	8.439	9.28	0.00	1.200	1.751	5.00	13.056	15.67	145.4	313.6	753.6
157.00	Appurtenance(s)	1.00	1.39	8.462	9.31	0.00	1.200	1.753	2.00	5.093	6.11	56.9	123.7	294.7
160.00		1.00	1.40	8.495	9.34	0.00	1.200	1.757	3.00	7.501	9.00	84.1	181.6	432.7
165.00		1.00	1.41	8.551	9.41	0.00	1.200	1.762	5.00	12.135	14.56	137.0	291.4	695.8
167.00	Appurtenance(s)	1.00	1.41	8.572	9.43	0.00	1.200	1.764	2.00	4.724	5.67	53.5	114.8	271.5
168.00	Appurtenance(s)	1.00	1.41	8.583	9.44	0.00	1.200	1.765	1.00	2.334	2.80	26.4	56.9	134.2
								Totals:	**168.00**			**5,880.1**		**49,850.3**

Discrete Appurtenance Forces

Structure:	CT02217-S-SBA	**Code:**	EIA/TIA-222-G	8/23/2021	
Site Name:	Pomfret School	**Exposure:**	C		
Height:	168.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 17	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 24

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	168.00	Lightning Rod	1	8.610	9.471	1.00	1.00	3.45	64.77	0.000	2.500	32.68	0.00	81.70
2	167.00	V-Brace Kit (Site Pro	1	8.572	9.429	0.75	0.75	10.34	499.59	0.000	0.000	97.53	0.00	0.00
3	167.00	Pipe2.0STD x 15'	1	8.572	9.429	0.75	0.75	10.06	889.73	0.000	0.000	94.89	0.00	0.00
4	167.00	Pipe2.0STD Mount Pipes	6	8.572	9.429	0.64	0.80	18.09	636.88	0.000	0.000	170.56	0.00	0.00
5	167.00	RFS APXVTM14-C-I20	3	8.572	9.429	0.62	0.80	13.98	689.09	0.000	0.000	131.79	0.00	0.00
6	167.00	Commscope	3	8.572	9.429	0.58	0.80	24.08	1077.01	0.000	0.000	227.02	0.00	0.00
7	167.00	ALU 1900 Mhz RRU's	3	8.572	9.429	0.54	0.80	5.60	397.31	0.000	0.000	52.79	0.00	0.00
8	167.00	ALU 800 Mhz RRU's	6	8.572	9.429	0.54	0.80	10.03	703.55	0.000	0.000	94.58	0.00	0.00
9	167.00	ALU TD-RRH8x20-25	3	8.572	9.429	0.54	0.80	7.84	587.72	0.000	0.000	73.88	0.00	0.00
10	167.00	Reinforcement Kit (Site	1	8.572	9.429	0.75	0.75	14.67	790.85	0.000	0.000	138.30	0.00	0.00
11	167.00	Low Profile Platform	1	8.572	9.429	1.00	1.00	39.85	2823.04	0.000	0.000	375.78	0.00	0.00
12	157.00	Monopole Collar Mount	1	8.462	9.308	1.00	1.00	5.13	323.48	0.000	0.000	47.75	0.00	0.00
13	157.00	Kicker Kit	1	8.462	9.308	1.00	1.00	19.49	284.27	0.000	0.000	181.44	0.00	0.00
14	157.00	Platform w/ Hand Rails	1	8.462	9.308	1.00	1.00	61.04	3903.83	0.000	0.000	568.12	0.00	0.00
15	157.00	JMA 91900314-02	3	8.462	9.308	0.38	0.75	1.53	-11.29	0.000	0.000	14.25	0.00	0.00
16	157.00	Samsung B5/B13 RRU's	3	8.462	9.308	0.50	0.75	3.69	462.35	0.000	0.000	34.32	0.00	0.00
17	157.00	Samsung B2/B66A RRU's	3	8.462	9.308	0.50	0.75	3.69	534.82	0.000	0.000	34.32	0.00	0.00
18	157.00	Samsung MT6407-77A	3	8.462	9.308	0.52	0.75	8.87	673.92	0.000	0.000	82.57	0.00	0.00
19	157.00	JMA Wireless	6	8.462	9.308	0.65	0.75	44.05	2054.36	0.000	0.000	410.04	0.00	0.00
20	157.00	Commscope	3	8.462	9.308	0.62	0.75	20.55	526.17	0.000	0.000	191.31	0.00	0.00
21	157.00	Raycap	1	8.462	9.308	0.50	0.75	2.46	127.65	0.000	0.000	22.85	0.00	0.00
22	147.00	Allen Telecom	3	8.345	9.180	0.48	0.80	1.28	147.26	0.000	0.000	11.76	0.00	0.00
23	147.00	RFS	3	8.345	9.180	0.62	0.80	10.26	217.12	0.000	0.000	94.15	0.00	0.00
24	147.00	RFS	3	8.345	9.180	0.58	0.80	38.25	1749.35	0.000	0.000	351.13	0.00	0.00
25	147.00	Ericsson KRY 112 489/2	3	8.345	9.180	0.48	0.80	1.31	129.91	0.000	0.000	12.00	0.00	0.00
26	147.00	Reinforcement Kit (Site	1	8.345	9.180	0.75	0.75	14.57	786.69	0.000	0.000	133.75	0.00	0.00
27	147.00	Ericsson Radio 4449	3	8.345	9.180	0.54	0.80	3.47	467.74	0.000	0.000	31.88	0.00	0.00
28	147.00	Kathrein 782 11056 Bias	3	8.345	9.180	0.48	0.80	0.51	34.24	0.000	0.000	4.67	0.00	0.00
29	147.00	Low Profile Platform	1	8.345	9.180	1.00	1.00	39.63	2806.27	0.000	0.000	363.75	0.00	0.00
							Totals:		**24,377.69**			**4,079.87**		

Total Applied Force Summary

Structure:	CT02217-S-SBA		**Code:**	EIA/TIA-222-G	8/23/2021
Site Name:	Pomfret School		**Exposure:**	C	
Height:	168.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 18

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 24

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		176.02	2164.63	0.00	0.00
10.00		173.35	2242.89	0.00	0.00
15.00		170.49	2222.71	0.00	0.00
20.00		177.77	2196.53	0.00	0.00
25.00		183.00	2166.89	0.00	0.00
30.00		186.66	2134.96	0.00	0.00
35.00		189.19	2101.39	0.00	0.00
40.00		190.82	2066.57	0.00	0.00
42.75		104.79	1121.98	0.00	0.00
45.00		87.02	1457.94	0.00	0.00
49.00		155.54	2559.57	0.00	0.00
50.00		38.65	363.07	0.00	0.00
55.00		194.76	1793.30	0.00	0.00
60.00		194.22	1759.98	0.00	0.00
65.00		193.30	1726.17	0.00	0.00
70.00		192.05	1691.94	0.00	0.00
75.00		190.50	1657.32	0.00	0.00
80.00		188.68	1622.36	0.00	0.00
82.50		93.27	799.04	0.00	0.00
85.00		94.03	1215.90	0.00	0.00
87.75		102.83	1320.71	0.00	0.00
90.00		83.56	631.35	0.00	0.00
95.00		184.49	1377.82	0.00	0.00
100.00		181.84	1346.29	0.00	0.00
105.00		179.01	1314.55	0.00	0.00
110.00		176.02	1282.61	0.00	0.00
115.00		172.87	1250.49	0.00	0.00
120.00		169.58	1218.19	0.00	0.00
123.25		108.22	775.59	0.00	0.00
125.00		58.38	603.75	0.00	0.00
127.50		82.70	851.42	0.00	0.00
130.00		81.80	516.59	0.00	0.00
135.00		161.20	1009.36	0.00	0.00
140.00		157.42	980.96	0.00	0.00
145.00		153.53	952.43	0.00	0.00
147.00	(20) attachments	1063.25	6712.84	0.00	0.00
150.00		89.10	507.20	0.00	0.00
155.00		145.44	820.13	0.00	0.00
157.00	(25) attachments	1643.85	9200.86	0.00	0.00
160.00		84.12	442.23	0.00	0.00
165.00		136.96	711.64	0.00	0.00
167.00	(28) attachments	1510.59	9372.63	0.00	0.00
168.00	(1) attachments	59.13	199.02	0.00	81.70
	Totals:	**9,959.97**	**78,463.80**	**0.00**	**81.70**

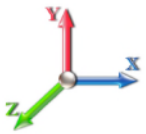
Calculated Forces

Structure:	CT02217-S-SBA	**Code:**	EIA/TIA-222-G	8/23/2021	
Site Name:	Pomfret School	**Exposure:**	C		
Height:	168.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 19	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-78.46	-9.99	0.00	-1228.8	0.00	1228.82	5501.01	2750.51	13262.9	6641.33	0.00	0.000	0.000	0.199
5.00	-76.29	-9.88	0.00	-1178.8	0.00	1178.86	5435.34	2717.67	12856.9	6438.04	0.03	-0.048	0.000	0.197
10.00	-74.04	-9.77	0.00	-1129.4	0.00	1129.45	5368.23	2684.11	12453.6	6236.09	0.10	-0.097	0.000	0.195
15.00	-71.80	-9.66	0.00	-1080.6	0.00	1080.61	5299.69	2649.84	12053.2	6035.57	0.23	-0.147	0.000	0.193
20.00	-69.60	-9.53	0.00	-1032.3	0.00	1032.33	5229.71	2614.86	11655.8	5836.57	0.41	-0.198	0.000	0.190
25.00	-67.43	-9.40	0.00	-984.66	0.00	984.66	5158.30	2579.15	11261.6	5639.20	0.65	-0.249	0.000	0.188
30.00	-65.28	-9.27	0.00	-937.65	0.00	937.65	5085.46	2542.73	10870.9	5443.55	0.94	-0.301	0.000	0.185
35.00	-63.17	-9.12	0.00	-891.32	0.00	891.32	5011.18	2505.59	10483.8	5249.72	1.28	-0.353	0.000	0.182
40.00	-61.10	-8.96	0.00	-845.71	0.00	845.71	4935.46	2467.73	10100.6	5057.82	1.68	-0.407	0.000	0.180
42.75	-59.98	-8.88	0.00	-821.07	0.00	821.07	4893.21	2446.61	9891.54	4953.12	1.92	-0.437	0.000	0.178
45.00	-58.51	-8.81	0.00	-801.09	0.00	801.09	4858.32	2429.16	9721.41	4867.93	2.13	-0.461	0.000	0.177
49.00	-55.95	-8.66	0.00	-765.83	0.00	765.83	3959.59	1979.80	7922.06	3966.92	2.54	-0.505	0.000	0.207
50.00	-55.58	-8.66	0.00	-757.17	0.00	757.17	3948.01	1974.01	7862.92	3937.31	2.65	-0.517	0.000	0.206
55.00	-53.78	-8.50	0.00	-713.88	0.00	713.88	3889.26	1944.63	7568.72	3789.99	3.22	-0.578	0.000	0.202
60.00	-52.02	-8.35	0.00	-671.36	0.00	671.36	3829.07	1914.54	7277.15	3643.98	3.86	-0.639	0.000	0.198
65.00	-50.28	-8.19	0.00	-629.63	0.00	629.63	3767.45	1883.72	6988.40	3499.39	4.56	-0.702	0.000	0.193
70.00	-48.59	-8.03	0.00	-588.69	0.00	588.69	3704.39	1852.20	6702.67	3356.32	5.33	-0.764	0.000	0.189
75.00	-46.92	-7.87	0.00	-548.55	0.00	548.55	3639.90	1819.95	6420.16	3214.85	6.16	-0.827	0.000	0.184
80.00	-45.30	-7.69	0.00	-509.23	0.00	509.23	3573.98	1786.99	6141.06	3075.10	7.06	-0.890	0.000	0.178
82.50	-44.50	-7.61	0.00	-490.00	0.00	490.00	3540.48	1770.24	6002.85	3005.89	7.54	-0.922	0.000	0.176
85.00	-43.28	-7.52	0.00	-470.98	0.00	470.98	3506.62	1753.31	5865.57	2937.15	8.03	-0.955	0.000	0.173
87.75	-41.95	-7.42	0.00	-450.30	0.00	450.30	2761.71	1380.86	4636.01	2321.45	8.59	-0.990	0.000	0.209
90.00	-41.32	-7.36	0.00	-433.60	0.00	433.60	2740.07	1370.04	4543.51	2275.13	9.06	-1.019	0.000	0.206
95.00	-39.93	-7.20	0.00	-396.80	0.00	396.80	2690.94	1345.47	4339.45	2172.95	10.17	-1.091	0.000	0.197
100.00	-38.58	-7.04	0.00	-360.79	0.00	360.79	2640.38	1320.19	4137.62	2071.89	11.35	-1.162	0.000	0.189
105.00	-37.26	-6.88	0.00	-325.59	0.00	325.59	2588.38	1294.19	3938.22	1972.04	12.61	-1.232	0.000	0.180
110.00	-35.98	-6.72	0.00	-291.19	0.00	291.19	2534.95	1267.48	3741.44	1873.50	13.93	-1.301	0.000	0.170
115.00	-34.72	-6.56	0.00	-257.60	0.00	257.60	2480.09	1240.04	3547.48	1776.38	15.33	-1.368	0.000	0.159
120.00	-33.51	-6.39	0.00	-224.82	0.00	224.82	2423.79	1211.90	3356.53	1680.76	16.80	-1.433	0.000	0.148
123.25	-32.73	-6.28	0.00	-204.07	0.00	204.07	2386.43	1193.21	3234.12	1619.46	17.79	-1.474	0.000	0.140
125.00	-32.12	-6.22	0.00	-193.08	0.00	193.08	2366.06	1183.03	3168.79	1586.75	18.33	-1.496	0.000	0.135
127.50	-31.27	-6.13	0.00	-177.54	0.00	177.54	1766.99	883.49	2371.88	1187.70	19.13	-1.526	0.000	0.167
130.00	-30.75	-6.06	0.00	-162.21	0.00	162.21	1747.69	873.85	2306.16	1154.80	19.93	-1.555	0.000	0.158
135.00	-29.74	-5.90	0.00	-131.92	0.00	131.92	1708.02	854.01	2176.01	1089.62	21.60	-1.618	0.000	0.139
140.00	-28.76	-5.74	0.00	-102.42	0.00	102.42	1666.92	833.46	2047.71	1025.37	23.32	-1.674	0.000	0.117
145.00	-27.81	-5.57	0.00	-73.71	0.00	73.71	1624.39	812.19	1921.45	962.15	25.10	-1.720	0.000	0.094
147.00	-21.13	-4.32	0.00	-62.57	0.00	62.57	1606.97	803.49	1871.57	937.18	25.82	-1.737	0.000	0.080
150.00	-20.63	-4.22	0.00	-49.62	0.00	49.62	1580.42	790.21	1797.44	900.06	26.92	-1.758	0.000	0.068
155.00	-19.81	-4.05	0.00	-28.52	0.00	28.52	1535.02	767.51	1675.88	839.18	28.78	-1.784	0.000	0.047
157.00	-10.66	-2.13	0.00	-20.41	0.00	20.41	1516.46	758.23	1627.98	815.20	29.53	-1.791	0.000	0.032
160.00	-10.22	-2.03	0.00	-14.04	0.00	14.04	1488.18	744.09	1556.95	779.63	30.66	-1.799	0.000	0.025
165.00	-9.52	-1.87	0.00	-3.89	0.00	3.89	1439.00	719.50	1439.93	721.04	32.54	-1.807	0.000	0.012
167.00	-0.20	-0.07	0.00	-0.15	0.00	0.15	1413.06	706.53	1388.23	695.14	33.30	-1.808	0.000	0.000
168.00	0.00	-0.06	0.00	-0.08	0.00	0.08	1400.09	700.04	1362.73	682.38	33.68	-1.808	0.000	0.000

Seismic Segment Forces (Factored)

Structure:	CT02217-S-SBA		**Code:**	EIA/TIA-222-G	8/23/2021
Site Name:	Pomfret School		**Exposure:**	C	
Height:	168.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 20

Load Case:	1.2D + 1.0E							**Iterations**	23
Gust Response Factor	1.10				**Sds**	0.18		**Ss**	0.17
Dead Load Factor	1.20	**Seismic Load Factor**	1.00		**Sd1**	0.10		**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.33		**SA**	0.03	**Seismic Importance Factor**		1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		1372.6	0.00	0.03	0.02	22.54	
10.00		1346.6	0.01	0.05	0.03	32.80	
15.00		1320.6	0.02	0.06	0.04	37.68	
20.00		1294.7	0.03	0.07	0.04	39.88	
25.00		1268.7	0.04	0.07	0.04	40.75	
30.00		1242.7	0.06	0.07	0.04	41.01	
35.00		1216.7	0.08	0.07	0.04	41.07	
40.00		1190.7	0.11	0.07	0.04	41.06	
42.75	Bot - Section 2	643.83	0.12	0.07	0.03	22.46	
45.00		974.82	0.14	0.07	0.03	34.30	
49.00	Top - Section 1	1708.8	0.16	0.07	0.03	60.88	
50.00		196.72	0.17	0.07	0.03	7.02	
55.00		970.25	0.20	0.06	0.02	34.72	
60.00		947.97	0.24	0.06	0.02	33.21	
65.00		925.69	0.28	0.05	0.01	30.54	
70.00		903.42	0.33	0.04	0.01	26.29	
75.00		881.14	0.38	0.03	0.01	20.19	
80.00		858.86	0.43	0.01	0.01	12.24	
82.50	Bot - Section 3	421.08	0.46	0.00	0.01	3.82	
85.00		767.56	0.48	-0.01	0.01	2.69	
87.75	Top - Section 2	832.52	0.52	-0.02	0.01	-2.43	
90.00		308.29	0.54	-0.03	0.01	-2.53	
95.00		671.62	0.60	-0.05	0.02	-12.96	
100.00		653.06	0.67	-0.08	0.02	-18.39	
105.00		634.49	0.74	-0.10	0.04	-21.41	
110.00		615.93	0.81	-0.11	0.06	-21.87	
115.00		597.36	0.89	-0.12	0.08	-19.89	
120.00		578.80	0.96	-0.12	0.11	-15.71	
123.25	Bot - Section 4	366.26	1.02	-0.11	0.14	-7.71	
125.00		351.80	1.05	-0.10	0.16	-6.02	
127.50	Top - Section 3	495.47	1.09	-0.08	0.18	-5.28	
130.00		218.61	1.13	-0.05	0.21	-0.71	
135.00		426.08	1.22	0.02	0.27	6.16	
140.00		411.22	1.31	0.14	0.35	14.81	
145.00		396.37	1.41	0.30	0.44	24.35	
147.00	Appurtenance(s)	2885.5	1.45	0.38	0.48	209.84	
150.00		227.13	1.51	0.52	0.55	20.63	
155.00		366.67	1.61	0.81	0.68	45.56	
157.00	Appurtenance(s)	3901.3	1.65	0.94	0.74	541.45	
160.00		209.31	1.71	1.18	0.84	33.87	
165.00		336.96	1.82	1.65	1.02	68.59	
167.00	Appurtenance(s)	3957.3	1.87	1.86	1.10	876.34	
168.00	Appurtenance(s)	99.42	1.89	1.98	1.14	22.93	
	Totals:	**39,995.4**				**2,314.8**	**Total Wind:** **37,103.4**

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

Calculated Forces

Structure:	CT02217-S-SBA	**Code:**	EIA/TIA-222-G	8/23/2021	
Site Name:	Pomfret School	**Exposure:**	C		
Height:	168.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 21	

Tower Engineering Solutions

Load Case:	1.2D + 1.0E							**Iterations**	23
Gust Response Factor	1.10			**Sds**	0.18			**Ss**	0.17
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.33	**SA**	0.03	**Seismic Importance Factor**			1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-52.23	-2.46	0.00	-339.85	0.00	339.85	5501.01	2750.51	13262.9	6641.33		0.00	0.00	0.061
5.00	-50.53	-2.44	0.00	-327.57	0.00	327.57	5435.34	2717.67	12856.9	6438.04		0.01	-0.01	0.060
10.00	-48.77	-2.42	0.00	-315.35	0.00	315.35	5368.23	2684.11	12453.6	6236.09		0.03	-0.03	0.060
15.00	-47.04	-2.40	0.00	-303.24	0.00	303.24	5299.69	2649.84	12053.2	6035.57		0.06	-0.04	0.059
20.00	-45.35	-2.37	0.00	-291.26	0.00	291.26	5229.71	2614.86	11655.8	5836.57		0.11	-0.06	0.059
25.00	-43.68	-2.33	0.00	-279.43	0.00	279.43	5158.30	2579.15	11261.6	5639.20		0.18	-0.07	0.058
30.00	-42.05	-2.30	0.00	-267.76	0.00	267.76	5085.46	2542.73	10870.9	5443.55		0.26	-0.08	0.057
35.00	-40.45	-2.27	0.00	-256.25	0.00	256.25	5011.18	2505.59	10483.8	5249.72		0.36	-0.10	0.057
40.00	-38.88	-2.23	0.00	-244.90	0.00	244.90	4935.46	2467.73	10100.6	5057.82		0.47	-0.11	0.056
42.75	-38.02	-2.21	0.00	-238.76	0.00	238.76	4893.21	2446.61	9891.54	4953.12		0.54	-0.12	0.056
45.00	-36.79	-2.18	0.00	-233.78	0.00	233.78	4858.32	2429.16	9721.41	4867.93		0.60	-0.13	0.056
49.00	-34.63	-2.12	0.00	-225.05	0.00	225.05	3959.59	1979.80	7922.06	3966.92		0.71	-0.14	0.065
50.00	-34.36	-2.12	0.00	-222.92	0.00	222.92	3948.01	1974.01	7862.92	3937.31		0.74	-0.15	0.065
55.00	-33.06	-2.09	0.00	-212.32	0.00	212.32	3889.26	1944.63	7568.72	3789.99		0.91	-0.17	0.065
60.00	-31.78	-2.07	0.00	-201.85	0.00	201.85	3829.07	1914.54	7277.15	3643.98		1.09	-0.18	0.064
65.00	-30.52	-2.04	0.00	-191.52	0.00	191.52	3767.45	1883.72	6988.40	3499.39		1.29	-0.20	0.063
70.00	-29.30	-2.02	0.00	-181.31	0.00	181.31	3704.39	1852.20	6702.67	3356.32		1.52	-0.22	0.062
75.00	-28.10	-2.01	0.00	-171.20	0.00	171.20	3639.90	1819.95	6420.16	3214.85		1.76	-0.24	0.061
80.00	-26.93	-2.00	0.00	-161.17	0.00	161.17	3573.98	1786.99	6141.06	3075.10		2.02	-0.26	0.060
82.50	-26.35	-1.99	0.00	-156.18	0.00	156.18	3540.48	1770.24	6002.85	3005.89		2.16	-0.27	0.059
85.00	-25.36	-1.99	0.00	-151.20	0.00	151.20	3506.62	1753.31	5865.57	2937.15		2.31	-0.28	0.059
87.75	-24.28	-1.99	0.00	-145.72	0.00	145.72	2761.71	1380.86	4636.01	2321.45		2.47	-0.29	0.072
90.00	-23.85	-1.99	0.00	-141.25	0.00	141.25	2740.07	1370.04	4543.51	2275.13		2.61	-0.30	0.071
95.00	-22.90	-2.00	0.00	-131.27	0.00	131.27	2690.94	1345.47	4339.45	2172.95		2.94	-0.33	0.069
100.00	-21.97	-2.00	0.00	-121.28	0.00	121.28	2640.38	1320.19	4137.62	2071.89		3.29	-0.35	0.067
105.00	-21.07	-2.01	0.00	-111.26	0.00	111.26	2588.38	1294.19	3938.22	1972.04		3.67	-0.37	0.065
110.00	-20.19	-2.01	0.00	-101.24	0.00	101.24	2534.95	1267.48	3741.44	1873.50		4.08	-0.40	0.062
115.00	-19.33	-2.01	0.00	-91.19	0.00	91.19	2480.09	1240.04	3547.48	1776.38		4.50	-0.42	0.059
120.00	-18.49	-2.01	0.00	-81.15	0.00	81.15	2423.79	1211.90	3356.53	1680.76		4.96	-0.44	0.056
123.25	-17.96	-2.01	0.00	-74.61	0.00	74.61	2386.43	1193.21	3234.12	1619.46		5.26	-0.46	0.054
125.00	-17.49	-2.01	0.00	-71.10	0.00	71.10	2366.06	1183.03	3168.79	1586.75		5.43	-0.47	0.052
127.50	-16.82	-2.01	0.00	-66.08	0.00	66.08	1766.99	883.49	2371.88	1187.70		5.68	-0.48	0.065
130.00	-16.49	-2.01	0.00	-61.06	0.00	61.06	1747.69	873.85	2306.16	1154.80		5.93	-0.49	0.062
135.00	-15.84	-2.00	0.00	-51.02	0.00	51.02	1708.02	854.01	2176.01	1089.62		6.46	-0.51	0.056
140.00	-15.20	-1.99	0.00	-41.00	0.00	41.00	1666.92	833.46	2047.71	1025.37		7.01	-0.53	0.049
145.00	-14.58	-1.96	0.00	-31.07	0.00	31.07	1624.39	812.19	1921.45	962.15		7.58	-0.55	0.041
147.00	-11.07	-1.72	0.00	-27.14	0.00	27.14	1606.97	803.49	1871.57	937.18		7.81	-0.56	0.036
150.00	-10.75	-1.70	0.00	-21.99	0.00	21.99	1580.42	790.21	1797.44	900.06		8.17	-0.57	0.031
155.00	-10.25	-1.65	0.00	-13.51	0.00	13.51	1535.02	767.51	1675.88	839.18		8.77	-0.58	0.023
157.00	-5.54	-1.06	0.00	-10.21	0.00	10.21	1516.46	758.23	1627.98	815.20		9.02	-0.59	0.016
160.00	-5.28	-1.02	0.00	-7.04	0.00	7.04	1488.18	744.09	1556.95	779.63		9.38	-0.59	0.013
165.00	-4.86	-0.95	0.00	-1.92	0.00	1.92	1439.00	719.50	1439.93	721.04		10.00	-0.59	0.006
167.00	-0.12	-0.02	0.00	-0.02	0.00	0.02	1413.06	706.53	1388.23	695.14		10.25	-0.59	0.000
168.00	0.00	-0.02	0.00	0.00	0.00	0.00	1400.09	700.04	1362.73	682.38		10.38	-0.59	0.000

Seismic Segment Forces (Factored)

Structure:	CT02217-S-SBA		**Code:**	EIA/TIA-222-G	8/23/2021
Site Name:	Pomfret School		**Exposure:**	C	
Height:	168.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 22

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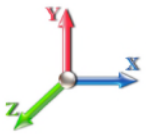
Load Case: 0.9D + 1.0E



Gust Response Factor	1.10			**Sds**	0.18	**Iterations**	23
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10	**Ss**	0.17
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.33	**SA**	0.03	**S1**	0.06
						Seismic Importance Factor	1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		1372.6	0.00	0.03	0.02	22.54	
10.00		1346.6	0.01	0.05	0.03	32.80	
15.00		1320.6	0.02	0.06	0.04	37.68	
20.00		1294.7	0.03	0.07	0.04	39.88	
25.00		1268.7	0.04	0.07	0.04	40.75	
30.00		1242.7	0.06	0.07	0.04	41.01	
35.00		1216.7	0.08	0.07	0.04	41.07	
40.00		1190.7	0.11	0.07	0.04	41.06	
42.75	Bot - Section 2	643.83	0.12	0.07	0.03	22.46	
45.00		974.82	0.14	0.07	0.03	34.30	
49.00	Top - Section 1	1708.8	0.16	0.07	0.03	60.88	
50.00		196.72	0.17	0.07	0.03	7.02	
55.00		970.25	0.20	0.06	0.02	34.72	
60.00		947.97	0.24	0.06	0.02	33.21	
65.00		925.69	0.28	0.05	0.01	30.54	
70.00		903.42	0.33	0.04	0.01	26.29	
75.00		881.14	0.38	0.03	0.01	20.19	
80.00		858.86	0.43	0.01	0.01	12.24	
82.50	Bot - Section 3	421.08	0.46	0.00	0.01	3.82	
85.00		767.56	0.48	-0.01	0.01	2.69	
87.75	Top - Section 2	832.52	0.52	-0.02	0.01	-2.43	
90.00		308.29	0.54	-0.03	0.01	-2.53	
95.00		671.62	0.60	-0.05	0.02	-12.96	
100.00		653.06	0.67	-0.08	0.02	-18.39	
105.00		634.49	0.74	-0.10	0.04	-21.41	
110.00		615.93	0.81	-0.11	0.06	-21.87	
115.00		597.36	0.89	-0.12	0.08	-19.89	
120.00		578.80	0.96	-0.12	0.11	-15.71	
123.25	Bot - Section 4	366.26	1.02	-0.11	0.14	-7.71	
125.00		351.80	1.05	-0.10	0.16	-6.02	
127.50	Top - Section 3	495.47	1.09	-0.08	0.18	-5.28	
130.00		218.61	1.13	-0.05	0.21	-0.71	
135.00		426.08	1.22	0.02	0.27	6.16	
140.00		411.22	1.31	0.14	0.35	14.81	
145.00		396.37	1.41	0.30	0.44	24.35	
147.00	Appurtenance(s)	2885.5	1.45	0.38	0.48	209.84	
150.00		227.13	1.51	0.52	0.55	20.63	
155.00		366.67	1.61	0.81	0.68	45.56	
157.00	Appurtenance(s)	3901.3	1.65	0.94	0.74	541.45	
160.00		209.31	1.71	1.18	0.84	33.87	
165.00		336.96	1.82	1.65	1.02	68.59	
167.00	Appurtenance(s)	3957.3	1.87	1.86	1.10	876.34	
168.00	Appurtenance(s)	99.42	1.89	1.98	1.14	22.93	
	Totals:	**39,995.4**				**2,314.8**	**Total Wind:** **37,103.4**

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

Calculated Forces

Structure:	CT02217-S-SBA	**Code:**	EIA/TIA-222-G	8/23/2021	
Site Name:	Pomfret School	**Exposure:**	C		
Height:	168.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 23	

Tower Engineering Solutions

Load Case:	0.9D + 1.0E							**Iterations**	23
Gust Response Factor	1.10			**Sds**	0.18			**Ss**	0.17
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.33	**SA**	0.03	**Seismic Importance Factor**			1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-39.17	-2.45	0.00	-335.45	0.00	335.45	5501.01	2750.51	13262.9	6641.33		0.00	0.00	0.058
5.00	-37.89	-2.44	0.00	-323.18	0.00	323.18	5435.34	2717.67	12856.9	6438.04		0.01	-0.01	0.057
10.00	-36.58	-2.42	0.00	-310.98	0.00	310.98	5368.23	2684.11	12453.6	6236.09		0.03	-0.03	0.057
15.00	-35.28	-2.39	0.00	-298.90	0.00	298.90	5299.69	2649.84	12053.2	6035.57		0.06	-0.04	0.056
20.00	-34.01	-2.35	0.00	-286.98	0.00	286.98	5229.71	2614.86	11655.8	5836.57		0.11	-0.05	0.056
25.00	-32.76	-2.32	0.00	-275.21	0.00	275.21	5158.30	2579.15	11261.6	5639.20		0.18	-0.07	0.055
30.00	-31.54	-2.28	0.00	-263.62	0.00	263.62	5085.46	2542.73	10870.9	5443.55		0.26	-0.08	0.055
35.00	-30.33	-2.25	0.00	-252.20	0.00	252.20	5011.18	2505.59	10483.8	5249.72		0.35	-0.10	0.054
40.00	-29.16	-2.21	0.00	-240.95	0.00	240.95	4935.46	2467.73	10100.6	5057.82		0.46	-0.11	0.054
42.75	-28.52	-2.19	0.00	-234.87	0.00	234.87	4893.21	2446.61	9891.54	4953.12		0.53	-0.12	0.053
45.00	-27.59	-2.16	0.00	-229.93	0.00	229.93	4858.32	2429.16	9721.41	4867.93		0.59	-0.13	0.053
49.00	-25.97	-2.10	0.00	-221.29	0.00	221.29	3959.59	1979.80	7922.06	3966.92		0.70	-0.14	0.062
50.00	-25.77	-2.10	0.00	-219.19	0.00	219.19	3948.01	1974.01	7862.92	3937.31		0.73	-0.14	0.062
55.00	-24.79	-2.07	0.00	-208.71	0.00	208.71	3889.26	1944.63	7568.72	3789.99		0.90	-0.16	0.061
60.00	-23.83	-2.04	0.00	-198.37	0.00	198.37	3829.07	1914.54	7277.15	3643.98		1.08	-0.18	0.061
65.00	-22.89	-2.01	0.00	-188.18	0.00	188.18	3767.45	1883.72	6988.40	3499.39		1.27	-0.20	0.060
70.00	-21.97	-1.99	0.00	-178.11	0.00	178.11	3704.39	1852.20	6702.67	3356.32		1.49	-0.22	0.059
75.00	-21.07	-1.97	0.00	-168.16	0.00	168.16	3639.90	1819.95	6420.16	3214.85		1.73	-0.24	0.058
80.00	-20.19	-1.96	0.00	-158.30	0.00	158.30	3573.98	1786.99	6141.06	3075.10		1.99	-0.26	0.057
82.50	-19.76	-1.96	0.00	-153.39	0.00	153.39	3540.48	1770.24	6002.85	3005.89		2.13	-0.27	0.057
85.00	-19.02	-1.96	0.00	-148.49	0.00	148.49	3506.62	1753.31	5865.57	2937.15		2.27	-0.28	0.056
87.75	-18.21	-1.96	0.00	-143.10	0.00	143.10	2761.71	1380.86	4636.01	2321.45		2.43	-0.29	0.068
90.00	-17.88	-1.96	0.00	-138.70	0.00	138.70	2740.07	1370.04	4543.51	2275.13		2.57	-0.30	0.067
95.00	-17.17	-1.96	0.00	-128.90	0.00	128.90	2690.94	1345.47	4339.45	2172.95		2.89	-0.32	0.066
100.00	-16.48	-1.97	0.00	-119.08	0.00	119.08	2640.38	1320.19	4137.62	2071.89		3.24	-0.34	0.064
105.00	-15.80	-1.97	0.00	-109.25	0.00	109.25	2588.38	1294.19	3938.22	1972.04		3.61	-0.37	0.062
110.00	-15.14	-1.97	0.00	-99.41	0.00	99.41	2534.95	1267.48	3741.44	1873.50		4.01	-0.39	0.059
115.00	-14.49	-1.97	0.00	-89.55	0.00	89.55	2480.09	1240.04	3547.48	1776.38		4.43	-0.41	0.056
120.00	-13.87	-1.97	0.00	-79.70	0.00	79.70	2423.79	1211.90	3356.53	1680.76		4.88	-0.44	0.053
123.25	-13.47	-1.97	0.00	-73.29	0.00	73.29	2386.43	1193.21	3234.12	1619.46		5.18	-0.45	0.051
125.00	-13.11	-1.97	0.00	-69.84	0.00	69.84	2366.06	1183.03	3168.79	1586.75		5.35	-0.46	0.050
127.50	-12.61	-1.97	0.00	-64.91	0.00	64.91	1766.99	883.49	2371.88	1187.70		5.59	-0.47	0.062
130.00	-12.36	-1.97	0.00	-59.99	0.00	59.99	1747.69	873.85	2306.16	1154.80		5.84	-0.48	0.059
135.00	-11.87	-1.96	0.00	-50.14	0.00	50.14	1708.02	854.01	2176.01	1089.62		6.35	-0.50	0.053
140.00	-11.40	-1.95	0.00	-40.31	0.00	40.31	1666.92	833.46	2047.71	1025.37		6.89	-0.53	0.046
145.00	-10.93	-1.92	0.00	-30.56	0.00	30.56	1624.39	812.19	1921.45	962.15		7.46	-0.54	0.039
147.00	-8.30	-1.69	0.00	-26.72	0.00	26.72	1606.97	803.49	1871.57	937.18		7.68	-0.55	0.034
150.00	-8.06	-1.67	0.00	-21.65	0.00	21.65	1580.42	790.21	1797.44	900.06		8.03	-0.56	0.029
155.00	-7.68	-1.62	0.00	-13.31	0.00	13.31	1535.02	767.51	1675.88	839.18		8.63	-0.57	0.021
157.00	-4.16	-1.04	0.00	-10.07	0.00	10.07	1516.46	758.23	1627.98	815.20		8.87	-0.58	0.015
160.00	-3.96	-1.01	0.00	-6.94	0.00	6.94	1488.18	744.09	1556.95	779.63		9.23	-0.58	0.012
165.00	-3.65	-0.94	0.00	-1.90	0.00	1.90	1439.00	719.50	1439.93	721.04		9.84	-0.58	0.005
167.00	-0.09	-0.02	0.00	-0.02	0.00	0.02	1413.06	706.53	1388.23	695.14		10.08	-0.58	0.000
168.00	0.00	-0.02	0.00	0.00	0.00	0.00	1400.09	700.04	1362.73	682.38		10.21	-0.58	0.000

Wind Loading - Shaft

Structure:	CT02217-S-SBA	**Code:**	EIA/TIA-222-G	8/23/2021	
Site Name:	Pomfret School	**Exposure:**	C		
Height:	168.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 24	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 24

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	7.442	8.19	276.59	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	7.442	8.19	271.44	0.650	0.000	5.00	24.768	16.10	131.8	0.0	1372.7
10.00		1.00	0.85	7.442	8.19	266.29	0.650	0.000	5.00	24.302	15.80	129.3	0.0	1346.7
15.00		1.00	0.85	7.442	8.19	261.14	0.650	0.000	5.00	23.837	15.49	126.8	0.0	1320.7
20.00		1.00	0.90	7.896	8.69	263.69	0.650	0.000	5.00	23.372	15.19	132.0	0.0	1294.7
25.00		1.00	0.95	8.276	9.10	264.53	0.650	0.000	5.00	22.906	14.89	135.5	0.0	1268.7
30.00		1.00	0.98	8.600	9.46	264.12	0.650	0.000	5.00	22.441	14.59	138.0	0.0	1242.7
35.00		1.00	1.01	8.883	9.77	262.81	0.650	0.000	5.00	21.975	14.28	139.6	0.0	1216.7
40.00		1.00	1.04	9.137	10.05	260.83	0.650	0.000	5.00	21.510	13.98	140.5	0.0	1190.7
42.75	Bot - Section 2	1.00	1.06	9.266	10.19	259.50	0.650	0.000	2.75	11.632	7.56	77.1	0.0	643.8
45.00		1.00	1.07	9.366	10.30	258.30	0.650	0.000	2.25	9.555	6.21	64.0	0.0	974.8
49.00	Top - Section 1	1.00	1.09	9.536	10.49	255.97	0.650	0.000	4.00	16.754	10.89	114.2	0.0	1708.9
50.00		1.00	1.09	9.576	10.53	259.33	0.650	0.000	1.00	4.142	2.69	28.4	0.0	196.7
55.00		1.00	1.12	9.770	10.75	256.04	0.650	0.000	5.00	20.431	13.28	142.7	0.0	970.2
60.00		1.00	1.14	9.951	10.95	252.44	0.650	0.000	5.00	19.965	12.98	142.1	0.0	948.0
65.00		1.00	1.16	10.120	11.13	248.57	0.650	0.000	5.00	19.500	12.67	141.1	0.0	925.7
70.00		1.00	1.17	10.279	11.31	244.47	0.650	0.000	5.00	19.034	12.37	139.9	0.0	903.4
75.00		1.00	1.19	10.430	11.47	240.15	0.650	0.000	5.00	18.569	12.07	138.5	0.0	881.1
80.00		1.00	1.21	10.572	11.63	235.65	0.650	0.000	5.00	18.103	11.77	136.8	0.0	858.9
82.50	Bot - Section 3	1.00	1.22	10.641	11.71	233.34	0.650	0.000	2.50	8.877	5.77	67.5	0.0	421.1
85.00		1.00	1.22	10.708	11.78	230.98	0.650	0.000	2.50	8.893	5.78	68.1	0.0	767.6
87.75	Top - Section 2	1.00	1.23	10.780	11.86	228.35	0.650	0.000	2.75	9.648	6.27	74.4	0.0	832.5
90.00		1.00	1.24	10.838	11.92	229.69	0.650	0.000	2.25	7.789	5.06	60.4	0.0	308.3
95.00		1.00	1.25	10.962	12.06	224.75	0.650	0.000	5.00	16.971	11.03	133.0	0.0	671.6
100.00		1.00	1.27	11.081	12.19	219.69	0.650	0.000	5.00	16.506	10.73	130.8	0.0	653.1
105.00		1.00	1.28	11.195	12.31	214.50	0.650	0.000	5.00	16.040	10.43	128.4	0.0	634.5
110.00		1.00	1.29	11.305	12.44	209.21	0.650	0.000	5.00	15.575	10.12	125.9	0.0	615.9
115.00		1.00	1.30	11.412	12.55	203.81	0.650	0.000	5.00	15.109	9.82	123.3	0.0	597.4
120.00		1.00	1.32	11.514	12.67	198.32	0.650	0.000	5.00	14.644	9.52	120.6	0.0	578.8
123.25	Bot - Section 4	1.00	1.32	11.579	12.74	194.70	0.650	0.000	3.25	9.269	6.02	76.7	0.0	366.3
125.00		1.00	1.33	11.614	12.78	192.74	0.650	0.000	1.75	4.984	3.24	41.4	0.0	351.8
127.50	Top - Section 3	1.00	1.33	11.662	12.83	189.92	0.650	0.000	2.50	7.020	4.56	58.5	0.0	495.5
130.00		1.00	1.34	11.710	12.88	190.01	0.650	0.000	2.50	6.904	4.49	57.8	0.0	218.6
135.00		1.00	1.35	11.803	12.98	184.29	0.650	0.000	5.00	13.459	8.75	113.6	0.0	426.1
140.00		1.00	1.36	11.894	13.08	178.48	0.650	0.000	5.00	12.994	8.45	110.5	0.0	411.2
145.00		1.00	1.37	11.982	13.18	172.61	0.650	0.000	5.00	12.528	8.14	107.3	0.0	396.4
147.00	Appurtenance(s)	1.00	1.37	12.017	13.22	170.24	0.650	0.000	2.00	4.881	3.17	41.9	0.0	154.4
150.00		1.00	1.38	12.068	13.27	166.67	0.650	0.000	3.00	7.182	4.67	62.0	0.0	227.1
155.00		1.00	1.39	12.152	13.37	160.66	0.650	0.000	5.00	11.597	7.54	100.8	0.0	366.7
157.00	Appurtenance(s)	1.00	1.39	12.185	13.40	158.24	0.650	0.000	2.00	4.509	2.93	39.3	0.0	142.5
160.00		1.00	1.40	12.233	13.46	154.60	0.650	0.000	3.00	6.623	4.31	57.9	0.0	209.3
165.00		1.00	1.41	12.313	13.54	148.48	0.650	0.000	5.00	10.666	6.93	93.9	0.0	337.0
167.00	Appurtenance(s)	1.00	1.41	12.344	13.58	146.01	0.650	0.000	2.00	4.136	2.69	36.5	0.0	130.6
168.00	Appurtenance(s)	1.00	1.41	12.360	13.60	144.78	0.650	0.000	1.00	2.040	1.33	18.0	0.0	64.4
								Totals:	**168.00**			**4,246.7**		**29,643.8**

Discrete Appurtenance Forces

Structure:	CT02217-S-SBA	**Code:**	EIA/TIA-222-G	8/23/2021	
Site Name:	Pomfret School	**Exposure:**	C		
Height:	168.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 25	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 24

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	168.00	Lightning Rod	1	12.398	13.638	1.00	1.00	1.05	35.00	0.000	2.500	14.32	0.00	35.80
2	167.00	V-Brace Kit (Site Pro	1	12.344	13.578	0.75	0.75	5.03	230.00	0.000	0.000	68.23	0.00	0.00
3	167.00	Pipe2.0STD x 15'	1	12.344	13.578	0.75	0.75	5.06	261.72	0.000	0.000	68.74	0.00	0.00
4	167.00	Pipe2.0STD Mount Pipes	6	12.344	13.578	0.64	0.80	5.49	240.00	0.000	0.000	74.56	0.00	0.00
5	167.00	RFS APXVTM14-C-I20	3	12.344	13.578	0.62	0.80	11.87	168.00	0.000	0.000	161.16	0.00	0.00
6	167.00	Commscope	3	12.344	13.578	0.58	0.80	21.50	254.10	0.000	0.000	291.90	0.00	0.00
7	167.00	ALU 1900 Mhz RRU's	3	12.344	13.578	0.54	0.80	3.83	180.00	0.000	0.000	51.97	0.00	0.00
8	167.00	ALU 800 Mhz RRU's	6	12.344	13.578	0.54	0.80	6.85	318.00	0.000	0.000	93.01	0.00	0.00
9	167.00	ALU TD-RRH8x20-25	3	12.344	13.578	0.54	0.80	6.51	210.00	0.000	0.000	88.43	0.00	0.00
10	167.00	Reinforcement Kit (Site	1	12.344	13.578	0.75	0.75	7.13	464.91	0.000	0.000	96.75	0.00	0.00
11	167.00	Low Profile Platform	1	12.344	13.578	1.00	1.00	22.00	1500.00	0.000	0.000	298.73	0.00	0.00
12	157.00	Monopole Collar Mount	1	12.185	13.403	1.00	1.00	2.50	150.00	0.000	0.000	33.51	0.00	0.00
13	157.00	Kicker Kit	1	12.185	13.403	1.00	1.00	9.50	291.00	0.000	0.000	127.33	0.00	0.00
14	157.00	Platform w/ Hand Rails	1	12.185	13.403	1.00	1.00	40.00	2000.00	0.000	0.000	536.12	0.00	0.00
15	157.00	JMA 91900314-02	3	12.185	13.403	0.38	0.75	0.90	84.00	0.000	0.000	12.06	0.00	0.00
16	157.00	Samsung B5/B13 RRU's	3	12.185	13.403	0.50	0.75	2.83	210.90	0.000	0.000	37.99	0.00	0.00
17	157.00	Samsung B2/B66A RRU's	3	12.185	13.403	0.50	0.75	2.83	253.20	0.000	0.000	37.99	0.00	0.00
18	157.00	Samsung MT6407-77A	3	12.185	13.403	0.52	0.75	7.40	261.30	0.000	0.000	99.22	0.00	0.00
19	157.00	JMA Wireless	6	12.185	13.403	0.65	0.75	38.64	360.00	0.000	0.000	517.91	0.00	0.00
20	157.00	Commscope	3	12.185	13.403	0.62	0.75	15.26	116.40	0.000	0.000	204.50	0.00	0.00
21	157.00	Raycap	1	12.185	13.403	0.50	0.75	2.04	32.00	0.000	0.000	27.34	0.00	0.00
22	147.00	Allen Telecom	3	12.017	13.219	0.48	0.80	0.78	52.50	0.000	0.000	10.28	0.00	0.00
23	147.00	RFS	3	12.017	13.219	0.62	0.80	6.78	56.10	0.000	0.000	89.58	0.00	0.00
24	147.00	RFS	3	12.017	13.219	0.58	0.80	34.97	384.00	0.000	0.000	462.32	0.00	0.00
25	147.00	Ericsson KRY 112 489/2	3	12.017	13.219	0.48	0.80	0.81	46.20	0.000	0.000	10.66	0.00	0.00
26	147.00	Reinforcement Kit (Site	1	12.017	13.219	0.75	0.75	7.13	464.91	0.000	0.000	94.18	0.00	0.00
27	147.00	Ericsson Radio 4449	3	12.017	13.219	0.54	0.80	2.62	222.00	0.000	0.000	34.65	0.00	0.00
28	147.00	Kathrein 782 11056 Bias	3	12.017	13.219	0.48	0.80	0.22	5.40	0.000	0.000	2.86	0.00	0.00
29	147.00	Low Profile Platform	1	12.017	13.219	1.00	1.00	22.00	1500.00	0.000	0.000	290.81	0.00	0.00
							Totals:		**10,351.64**			**3,937.07**		

Total Applied Force Summary

Structure:	CT02217-S-SBA		**Code:**	EIA/TIA-222-G	8/23/2021
Site Name:	Pomfret School		**Exposure:**	C	
Height:	168.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 26

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 24

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		131.79	1419.79	0.00	0.00
10.00		129.31	1464.48	0.00	0.00
15.00		126.84	1438.49	0.00	0.00
20.00		131.95	1412.50	0.00	0.00
25.00		135.54	1386.51	0.00	0.00
30.00		137.98	1360.52	0.00	0.00
35.00		139.58	1334.53	0.00	0.00
40.00		140.52	1308.54	0.00	0.00
42.75		77.06	708.62	0.00	0.00
45.00		63.99	1027.83	0.00	0.00
49.00		114.23	1803.13	0.00	0.00
50.00		28.36	220.28	0.00	0.00
55.00		142.72	1088.05	0.00	0.00
60.00		142.05	1065.77	0.00	0.00
65.00		141.10	1043.49	0.00	0.00
70.00		139.89	1021.22	0.00	0.00
75.00		138.47	998.94	0.00	0.00
80.00		136.85	976.66	0.00	0.00
82.50		67.54	479.98	0.00	0.00
85.00		68.09	826.46	0.00	0.00
87.75		74.36	897.31	0.00	0.00
90.00		60.36	361.30	0.00	0.00
95.00		133.01	789.42	0.00	0.00
100.00		130.77	770.86	0.00	0.00
105.00		128.40	752.29	0.00	0.00
110.00		125.90	733.73	0.00	0.00
115.00		123.28	715.16	0.00	0.00
120.00		120.56	696.60	0.00	0.00
123.25		76.74	442.83	0.00	0.00
125.00		41.38	393.03	0.00	0.00
127.50		58.54	554.37	0.00	0.00
130.00		57.81	277.51	0.00	0.00
135.00		113.59	543.88	0.00	0.00
140.00		110.50	529.02	0.00	0.00
145.00		107.33	514.17	0.00	0.00
147.00	(20) attachments	1037.27	2932.62	0.00	0.00
150.00		61.97	260.37	0.00	0.00
155.00		100.76	422.07	0.00	0.00
157.00	(25) attachments	1673.24	3923.47	0.00	0.00
160.00		57.93	217.23	0.00	0.00
165.00		93.90	350.16	0.00	0.00
167.00	(28) attachments	1329.97	3962.64	0.00	0.00
168.00	(1) attachments	32.35	99.42	0.00	35.80
	Totals:	**8,183.76**	**43,525.24**	**0.00**	**35.80**

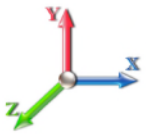
Calculated Forces

Structure:	CT02217-S-SBA	**Code:**	EIA/TIA-222-G	8/23/2021	
Site Name:	Pomfret School	**Exposure:**	C		
Height:	168.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 27	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 24

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-43.52	-8.20	0.00	-1005.8	0.00	1005.87	5501.01	2750.51	13262.9	6641.33	0.00	0.000	0.000	0.159
5.00	-42.10	-8.10	0.00	-964.87	0.00	964.87	5435.34	2717.67	12856.9	6438.04	0.02	-0.040	0.000	0.158
10.00	-40.63	-7.99	0.00	-924.40	0.00	924.40	5368.23	2684.11	12453.6	6236.09	0.08	-0.080	0.000	0.156
15.00	-39.18	-7.89	0.00	-884.43	0.00	884.43	5299.69	2649.84	12053.2	6035.57	0.19	-0.121	0.000	0.154
20.00	-37.77	-7.78	0.00	-844.97	0.00	844.97	5229.71	2614.86	11655.8	5836.57	0.34	-0.162	0.000	0.152
25.00	-36.37	-7.67	0.00	-806.05	0.00	806.05	5158.30	2579.15	11261.6	5639.20	0.53	-0.204	0.000	0.150
30.00	-35.01	-7.55	0.00	-767.69	0.00	767.69	5085.46	2542.73	10870.9	5443.55	0.77	-0.246	0.000	0.148
35.00	-33.67	-7.43	0.00	-729.92	0.00	729.92	5011.18	2505.59	10483.8	5249.72	1.05	-0.289	0.000	0.146
40.00	-32.36	-7.31	0.00	-692.76	0.00	692.76	4935.46	2467.73	10100.6	5057.82	1.37	-0.333	0.000	0.144
42.75	-31.65	-7.24	0.00	-672.67	0.00	672.67	4893.21	2446.61	9891.54	4953.12	1.57	-0.358	0.000	0.142
45.00	-30.61	-7.18	0.00	-656.39	0.00	656.39	4858.32	2429.16	9721.41	4867.93	1.75	-0.378	0.000	0.141
49.00	-28.81	-7.07	0.00	-627.66	0.00	627.66	3959.59	1979.80	7922.06	3966.92	2.08	-0.414	0.000	0.166
50.00	-28.59	-7.05	0.00	-620.60	0.00	620.60	3948.01	1974.01	7862.92	3937.31	2.17	-0.423	0.000	0.165
55.00	-27.49	-6.92	0.00	-585.35	0.00	585.35	3889.26	1944.63	7568.72	3789.99	2.64	-0.473	0.000	0.162
60.00	-26.42	-6.80	0.00	-550.73	0.00	550.73	3829.07	1914.54	7277.15	3643.98	3.16	-0.524	0.000	0.158
65.00	-25.37	-6.67	0.00	-516.76	0.00	516.76	3767.45	1883.72	6988.40	3499.39	3.74	-0.575	0.000	0.154
70.00	-24.35	-6.54	0.00	-483.42	0.00	483.42	3704.39	1852.20	6702.67	3356.32	4.36	-0.626	0.000	0.151
75.00	-23.35	-6.41	0.00	-450.73	0.00	450.73	3639.90	1819.95	6420.16	3214.85	5.05	-0.678	0.000	0.147
80.00	-22.37	-6.28	0.00	-418.69	0.00	418.69	3573.98	1786.99	6141.06	3075.10	5.79	-0.730	0.000	0.142
82.50	-21.88	-6.21	0.00	-403.00	0.00	403.00	3540.48	1770.24	6002.85	3005.89	6.17	-0.756	0.000	0.140
85.00	-21.06	-6.14	0.00	-387.47	0.00	387.47	3506.62	1753.31	5865.57	2937.15	6.58	-0.783	0.000	0.138
87.75	-20.16	-6.07	0.00	-370.57	0.00	370.57	2761.71	1380.86	4636.01	2321.45	7.04	-0.812	0.000	0.167
90.00	-19.79	-6.01	0.00	-356.93	0.00	356.93	2740.07	1370.04	4543.51	2275.13	7.43	-0.836	0.000	0.164
95.00	-19.00	-5.89	0.00	-326.85	0.00	326.85	2690.94	1345.47	4339.45	2172.95	8.33	-0.895	0.000	0.157
100.00	-18.22	-5.76	0.00	-297.41	0.00	297.41	2640.38	1320.19	4137.62	2071.89	9.30	-0.953	0.000	0.150
105.00	-17.47	-5.64	0.00	-268.59	0.00	268.59	2588.38	1294.19	3938.22	1972.04	10.33	-1.011	0.000	0.143
110.00	-16.73	-5.52	0.00	-240.38	0.00	240.38	2534.95	1267.48	3741.44	1873.50	11.42	-1.068	0.000	0.135
115.00	-16.01	-5.40	0.00	-212.79	0.00	212.79	2480.09	1240.04	3547.48	1776.38	12.57	-1.123	0.000	0.126
120.00	-15.32	-5.27	0.00	-185.81	0.00	185.81	2423.79	1211.90	3356.53	1680.76	13.77	-1.177	0.000	0.117
123.25	-14.87	-5.19	0.00	-168.67	0.00	168.67	2386.43	1193.21	3234.12	1619.46	14.59	-1.211	0.000	0.110
125.00	-14.48	-5.15	0.00	-159.58	0.00	159.58	2366.06	1183.03	3168.79	1586.75	15.03	-1.229	0.000	0.107
127.50	-13.92	-5.09	0.00	-146.71	0.00	146.71	1766.99	883.49	2371.88	1187.70	15.69	-1.254	0.000	0.131
130.00	-13.64	-5.03	0.00	-134.00	0.00	134.00	1747.69	873.85	2306.16	1154.80	16.35	-1.278	0.000	0.124
135.00	-13.10	-4.92	0.00	-108.84	0.00	108.84	1708.02	854.01	2176.01	1089.62	17.72	-1.330	0.000	0.108
140.00	-12.57	-4.80	0.00	-84.26	0.00	84.26	1666.92	833.46	2047.71	1025.37	19.13	-1.376	0.000	0.090
145.00	-12.06	-4.69	0.00	-60.25	0.00	60.25	1624.39	812.19	1921.45	962.15	20.60	-1.414	0.000	0.070
147.00	-9.15	-3.58	0.00	-50.88	0.00	50.88	1606.97	803.49	1871.57	937.18	21.19	-1.427	0.000	0.060
150.00	-8.89	-3.52	0.00	-40.14	0.00	40.14	1580.42	790.21	1797.44	900.06	22.09	-1.444	0.000	0.050
155.00	-8.47	-3.41	0.00	-22.56	0.00	22.56	1535.02	767.51	1675.88	839.18	23.62	-1.465	0.000	0.032
157.00	-4.59	-1.63	0.00	-15.75	0.00	15.75	1516.46	758.23	1627.98	815.20	24.23	-1.471	0.000	0.022
160.00	-4.37	-1.57	0.00	-10.85	0.00	10.85	1488.18	744.09	1556.95	779.63	25.16	-1.477	0.000	0.017
165.00	-4.03	-1.47	0.00	-3.00	0.00	3.00	1439.00	719.50	1439.93	721.04	26.71	-1.483	0.000	0.007
167.00	-0.10	-0.03	0.00	-0.07	0.00	0.07	1413.06	706.53	1388.23	695.14	27.33	-1.484	0.000	0.000
168.00	0.00	-0.03	0.00	-0.04	0.00	0.04	1400.09	700.04	1362.73	682.38	27.64	-1.484	0.000	0.000

Final Analysis Summary

Structure:	CT02217-S-SBA	**Code:**	EIA/TIA-222-G	8/23/2021	
Site Name:	Pomfret School	**Exposure:**	C		
Height:	168.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 28	

Tower Engineering Solutions

Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.6W 101 mph Wind	37.2	0.00	52.17	0.00	0.00	4588.31
0.9D + 1.6W 101 mph Wind	37.2	0.00	39.11	0.00	0.00	4533.80
1.2D + 1.0Di + 1.0Wi 50 mph Wind	10.0	0.00	78.46	0.00	0.00	1228.82
1.2D + 1.0E	2.5	0.00	52.23	0.00	0.00	339.85
0.9D + 1.0E	2.5	0.00	39.17	0.00	0.00	335.45
1.0D + 1.0W 60 mph Wind	8.2	0.00	43.52	0.00	0.00	1005.87

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.6W 101 mph Wind	-22.52	-27.72	0.00	-1694.0	0.00	-1694.0	2761.71	1380.8	4636.01	2321.45	87.75	0.738
0.9D + 1.6W 101 mph Wind	-16.49	-27.31	0.00	-1662.7	0.00	-1662.7	2761.71	1380.8	4636.01	2321.45	87.75	0.723
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-41.95	-7.42	0.00	-450.30	0.00	-450.30	2761.71	1380.8	4636.01	2321.45	87.75	0.209
1.2D + 1.0E	-24.28	-1.99	0.00	-145.72	0.00	-145.72	2761.71	1380.8	4636.01	2321.45	87.75	0.072
0.9D + 1.0E	-18.21	-1.96	0.00	-143.10	0.00	-143.10	2761.71	1380.8	4636.01	2321.45	87.75	0.068
1.0D + 1.0W 60 mph Wind	-20.16	-6.07	0.00	-370.57	0.00	-370.57	2761.71	1380.8	4636.01	2321.45	87.75	0.167

Base Plate Summary

Structure:	CT02217-S-SB		**Code:**	EIA/TIA-222-G	8/23/2021
Site Name:	Pomfret School		**Exposure:**	C	
Height:	168.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 29

Tower Engineering Solutions

Reactions	
Original Design	
Moment (kip-ft):	4750.00
Axial (kip):	38.00
Shear (kip):	37.50
Analysis (1.2D + 1.6W)	
Moment (kip-ft):	4588.31
Axial (kip):	52.17
Shear (kip):	37.19

Base Plate	
Yield (ksi):	50.00
Width (in):	65.00
Style:	Clipped
Polygon Sides:	0.00
Clip Length (in):	13.00
Effective Len (in):	9.15
Moment (kip-in):	590.01
Allow Stress (ksi):	67.50
Applied Stress (ksi):	43.20
Stress Ratio:	0.64

Anchor Bolts	
Bolt Circle:	66.00
Number Bolts:	20.00
Bolt Type:	2.25" 18J
Bolt Diameter (in):	2.25
Yield (ksi):	75.00
Ultimate (ksi):	100.00
Arrangement:	Clustered
Cluster Dist (in):	6.00
Start Angle (deg):	45.00
Compression	
Force (kip):	170.77
Allowable (kip):	260.00
Ratio:	0.67
Tension	
Force (kip):	162.92
Allowable (kip):	260.00
Ratio:	0.64

Monopole Mat Foundation Design

			Date: 8/23/2021
Customer Name:	Verizon	**EIA/TIA Standard:**	EIA-222-G
Site Name:	Pomfret School	**Structure Height (Ft.):**	168
Site Number:	CT02217-S-SBA	**Engineer Name:**	W. Velez
Engr. Number:	113820	**Engineer Login ID:**	

Foundation Info Obtained from: Mapping Operation

Structure Type: Monopole

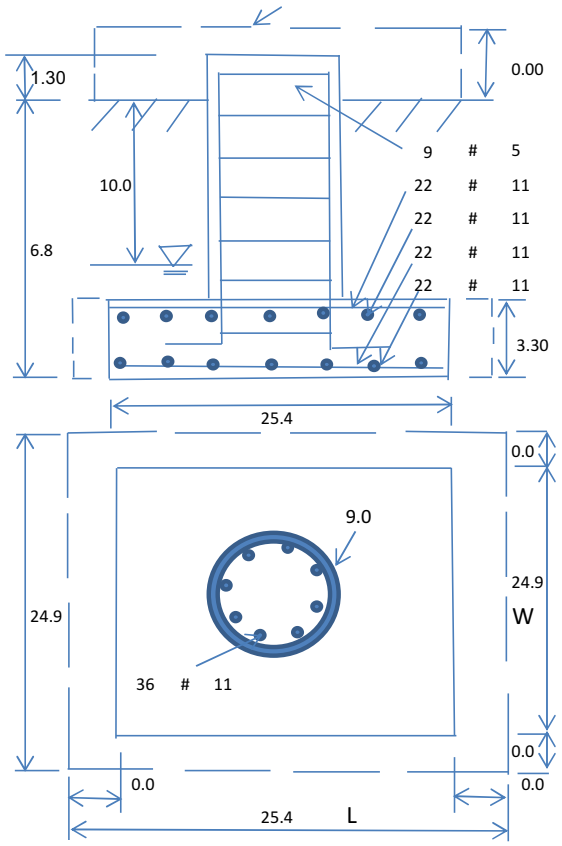
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	52.2	Shear Force (Kips):	37.2
Uplift Force (Kips):	0.0	Moment (Kips-ft):	4588.3
Allowable overstress %:	5.0%		

Foundation Geometries:

		Mods required- Yes/No ?:	No
Diameter of Pier (ft.):	9.0	Depth of Base BG (ft.):	6.8
Pier Height A. G. (ft.):	1.30	Thickness of Pad (ft):	3.30
Length of Pad (ft.):	25.4	Width of Pad (ft.):	24.9
Final Length of pad (ft)	25.4	Final width of pad (ft):	24.9



Material Properties and Reabr Info:

Concrete Strength (psi):	4000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	
Vertical Rebar Size #:	11	Tie / Stirrup Size #:	5	
Qty. of Vertical Rebars:	36	Tie Spacing (in):	12.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	11	
Concrete Cover (in.):	5	Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	22	Qty. of Rebar in Pad (W):	22	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	22	Qty. of Rebar in Pad (W):	22	
Apply 1.35 factor for e/w Per G:	1.35			

Soil Design Parameters:

Soil Unit Weight (pcf):	120.0	Soil Buoyant Weight:	57.6	Pcf		
Water Table B.G.S. (ft):	10.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	30000	Ultimate Skin Friction:		Psf	Angle from Bottm of Pad:	25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	Yes		Angle from Bottm of Pad:	25
Consider soil hor. resist. for OTM.:	Yes	Reduction factor on the maximum soil bearing pressure:			1.00	

Foundation Analysis and Design: Uplift Strength Reduction Factor: 0.75 — Compression Strength Reduction Factor: 0.75

Total Dry Soil Volume (cu. Ft.):	1990.95	Total Dry Soil Weight (Kips):	238.91
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	238.91	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	2392.48	Total Dry Concrete Weight (Kips):	358.87
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	358.87	Total Vertical Load on Base (Kips):	649.96

Check Soil Capacities:

					Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	3304	<	Allowable Factored Soil Bearing (psf):	22500	0.15	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	7347.7	>	Design Factored Momont (kips-ft):	4662	0.63	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	1.58	OK!				

Check the capacities of Reinforceing Concrete:

Strength reduction factor (Flexure and axial tension):	0.90	Strength reduction factor (Shear):	0.75			
Strength reduction factor (Axial compresion):	0.65	Wind Load Factor on Concrete Design:	1.00			
					Load/ Capacity Ratio	
(1) Concrete Pier:						
Vertical Steel Rebar Area (sq. in./each):	1.56		Tie / Stirrup Area (sq. in./each):	0.31		
Calculated Moment Capacity (Mn,Kips-Ft):	12145.2	>	Design Factored Moment (Mu, Kips-F	4766.9	0.39	OK!
Calculated Shear Capacity (Kips):	1136.9	>	Design Factored Shear (Kips):	37.2	0.03	OK!
Calculated Tension Capacity (Tn, Kips):	3032.6	>	Design Factored Tension (Tu Kips):	0.0	0.00	OK!
Calculated Compression Capacity (Pn, Kips):	16097.2	>	Design Factored Axial Load (Pu Kips):	52.2	0.00	OK!
Moment & Axial Strength Combination:	0.39	OK!	Check Tie Spacing (Design/Required):		1	OK!
Pier Reinforcement Ratio:	0.006		Reinforcement Ratio is satisfied per ACI			
(2).Concrete Pad:						
One-Way Design Shear Capacity (L-Direction, Kips):	980.6	>	One-Way Factored Shear (L-D. Kips):	249.9	0.25	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	961.3	>	One-Way Factored Shear (W-D., Kips)	238.3	0.25	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	807.5	>	One-Way Factored Shear (C-C, Kips):	240.2	0.30	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0034	OK!	Lower Steel Pad Reinf. Ratio (W-Direc	0.0033		
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	5080.9	>	Moment at Bottom (L-Dir. K-Ft):	1248.0	0.25	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	5084.0	>	Moment at Bottom (W-Dir. K-Ft):	1248.0	0.25	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	7113.5	>	Moment at Bottom (C-C Dir. K-Ft):	1764.9	0.25	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0034	OK!	Upper Steel Reinf. Ratio (W-Dir.):	0.0033		
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	5080.9	>	Moment at the top (L-Dir K-Ft):	559.2	0.11	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	5084.0	>	Moment at the top (W-Dir K-Ft):	559.2	0.11	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	7113.5	>	Moment at the top (C-C Dir. K-Ft):	544.4	0.08	OK!
(3).Check Punching Shear Capacity due to Moment in the Pier:						
Moment transferred by punching shear:	1835.3	k-ft.	Max. factored shear stress v_{u_CD}:		2.2	Psi
Max. factored shear stress v_{u_AB}:	7.7	Psi	Factored shear Strengthϕv_n:		189.7	Psi
Max. factored shear stress v_u:	7.7	Psi	Check Usage of Punching Shear Capacity:		0.04	OK!

Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
856.797.0412
greg.dulnik@colliersengineering.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10072879
Maser Consulting Connecticut Project #: 20777646A

June 23, 2021

Site Information	*Site ID:*	*467148-VZW / POMFRET EAST CT*
	Site Name:	*POMFRET EAST CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*398 Pomfret Street*
		Pomfret, Connecticut 06259
		Windham County
	Latitude:	*41.890094°*
	Longitude:	*-71.955008°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*14.00-Ft Platform*

FUZE ID # 16272041

Analysis Results

Platform: **61.2% Pass**

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements also Noted on Mount Modification Drawings
Requirements may also be Noted on A & E drawings

Report Prepared By: Selene Chen

Digitally signed by Justin Linette
Date: 2021.06.24 07:48:27-04'00'

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 324692, dated April 8,2021*
Mount Mapping Report	*Hudson Design Group LLC, Site ID: 467148, dated February 6, 2021*
Mount Analysis Report	*Maser Consulting Connecticut, Project #: 20777646A, dated May 21, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 20777646A, dated June 23, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust),	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.976
Seismic Parameters:	S_S:	0.182
	S_1:	0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 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 mount:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
			JMA Wireless		Added
			Samsung		
			Raycap		
			Samsung		
			Samsung		
			Commscope		Retained
				GPS Antenna	

The recent mount mapping did not report existing OVP units. However, it is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required.

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.

2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

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

Analysis Results:

Component	Utilization %	Pass/Fail
Inner Standoff		*Pass*
Standoff		*Pass*
Grating Angle		*Pass*
Cross Members		*Pass*
Face Horizontal		*Pass*
Support Rail		*Pass*
Mount Pipe		*Pass*
Kicker		*Pass*
Mount Connection		*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**61.2%**

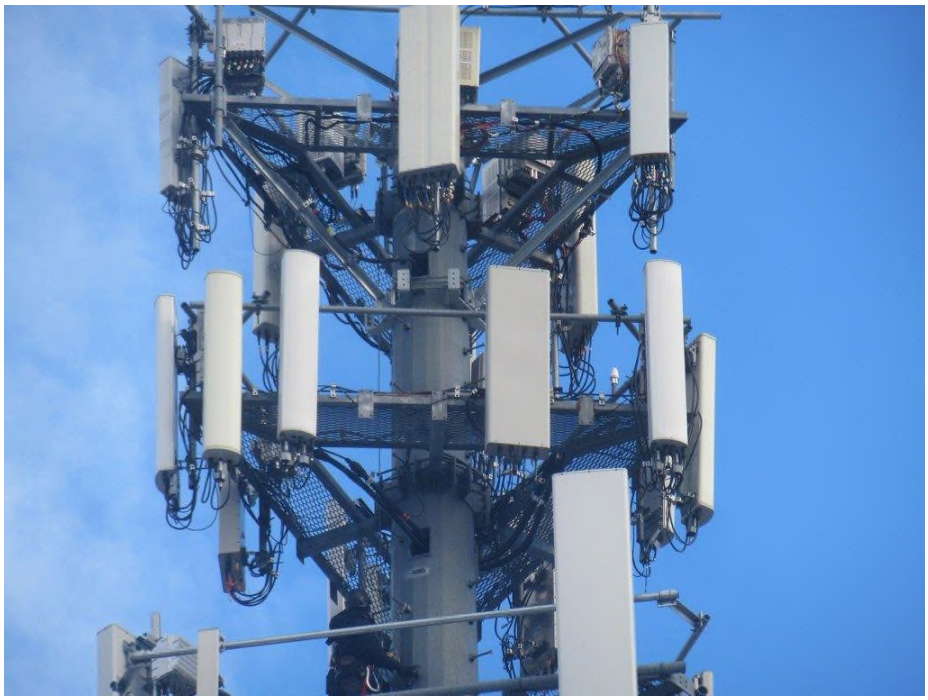
Recommendation:

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

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

Attachments:

Mount Photos
Mount Mapping Report (for reference only)
Analysis Calculations
Contractor Required PMI Report Deliverables
Antenna Placement Diagrams
TIA Adoption and Wind Speed Usage Letter

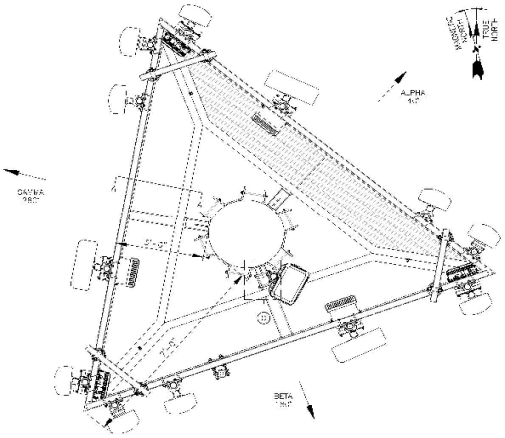


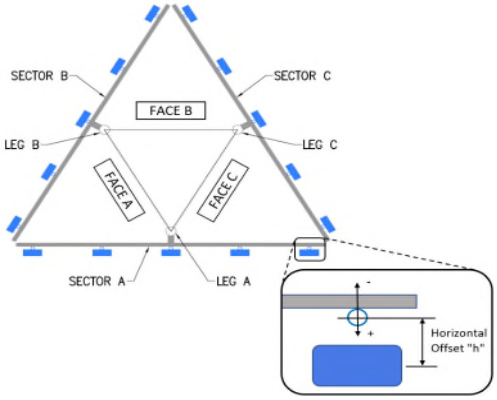
V3.0 Updated on 8-31-2020

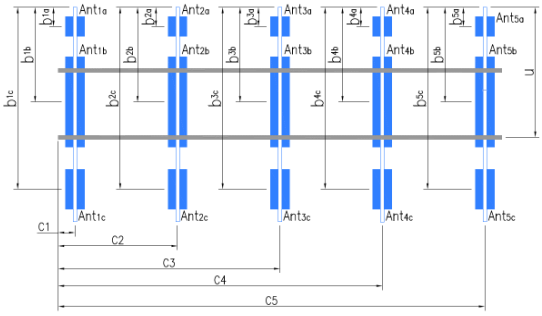
Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1232484

Tower Owner:	SBA	**Mapping Date:**	2/6/2021
Site Name:	Pomfret East	**Tower Type:**	Monopole
Site Number or ID:	467148	**Tower Height (Ft.):**	
Mapping Contractor:	Hudson Design Group LLC	**Mount Elevation (Ft.):**	154.1







Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2" STD X 6' LONG	41.00	12.00	C1	PIPE 2" STD X 6' LONG	41.00	12.00
A2	PIPE 2" STD X 6' LONG	41.00	60.00	C2	PIPE 2" STD X 6' LONG	41.00	60.00
A3	PIPE 2" STD X 6' LONG	41.00	132.00	C3	PIPE 2" STD X 6' LONG	41.00	132.00
A4	PIPE 2" STD X 6' LONG	41.00	156.00	C4	PIPE 2" STD X 6' LONG	41.00	156.00
A5				C5			
A6				C6			
B1	PIPE 2" STD X 6' LONG	41.00	12.00	D1			
B2	PIPE 2" STD X 6' LONG	41.00	60.00	D2			
B3	PIPE 2" STD X 6' LONG	41.00	132.00	D3			
B4	PIPE 2" STD X 6' LONG	41.00	156.00	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	20.50
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	5
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

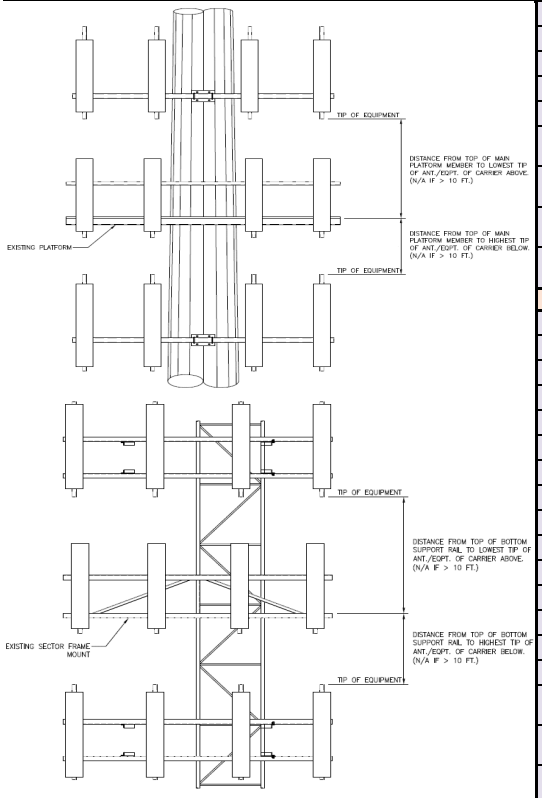
Please enter additional infomation or comments below.

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	29

Ants. Items	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
	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 Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	HBXX-6517DS-A2M	12.00	6.50	51.10		153.475	28.00	9.50	25.00	52
Ant_{1c}	B4 RRH 2X60 4R	12.00	7.00	37.00		152.975	34.00	-7.00		52
Ant_{2a}										
Ant_{2b}	QUAD656C0000G	20.50	7.20	74.40		153.058	33.00	10.00	25.00	52
Ant_{2c}	B13 RRH 4X30	12.00	9.00	22.00		154.058	21.00	-7.00		52
Ant_{3a}										
Ant_{3b}	HBXX-6517DS-A2M	12.00	6.50	51.10		153.475	28.00	9.50		55
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	SBNHH-1D65B	12.00	7.00	73.00		152.808	36.00	9.00	30.00	55
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	40.00	Deg	Leg A:		Deg
Sector B:	160.00	Deg	Leg B:		Deg
Sector C:	280.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	5.00 Deg	Other
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was obstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	HBXX-6517DS-A2M	12.00	6.50	51.10		153.475	28.00	9.50	25.00	52
Ant_{1c}	B4 RRH 2X60 4R	12.00	7.00	37.00		152.975	34.00	-7.00		52
Ant_{2a}										
Ant_{2b}	QUAD656C0000G	20.50	7.20	74.40		153.058	33.00	10.00	25.00	52
Ant_{2c}	B13 RRH 4X30	12.00	9.00	22.00		154.058	21.00	-7.00		52
Ant_{3a}	GPS	3.00	3.00	20.00		154.142	20.00	6.00	40.00	49
Ant_{3b}	HBXX-6517DS-A2M	12.00	6.50	51.10		153.475	28.00	9.50		55
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	SBNHH-1D65B	12.00	7.00	73.00		152.808	36.00	9.00	30.00	55
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	RRFDC-3315-PF-48	16.00	11.00	29.00			30.00			47
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	HBXX-6517DS-A2M	12.00	6.50	51.10		153.475	28.00	9.50	25.00	52
Ant_{1c}	B4 RRH 2X60 4R	12.00	7.00	37.00		152.975	34.00	-7.00		52
Ant_{2a}										
Ant_{2b}	QUAD656C0000G	20.50	7.20	74.40		153.058	33.00	10.00	25.00	52
Ant_{2c}	B13 RRH 4X30	12.00	9.00	22.00		154.058	21.00	-7.00		52
Ant_{3a}										
Ant_{3b}	HBXX-6517DS-A2M	12.00	6.50	51.10		153.475	28.00	9.50	25.00	55
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	SBNHH-1D65B	12.00	7.00	73.00		152.808	36.00	9.00		55
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1		
2	(6) 1-5/8"Ø COAX, (1) 1/2"Ø COAX, (1) 1/2"Ø HYBRID	57
3	SAFETY CLIMB OBSTRUCTED	10
4		
5		
6		
7		
8		

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

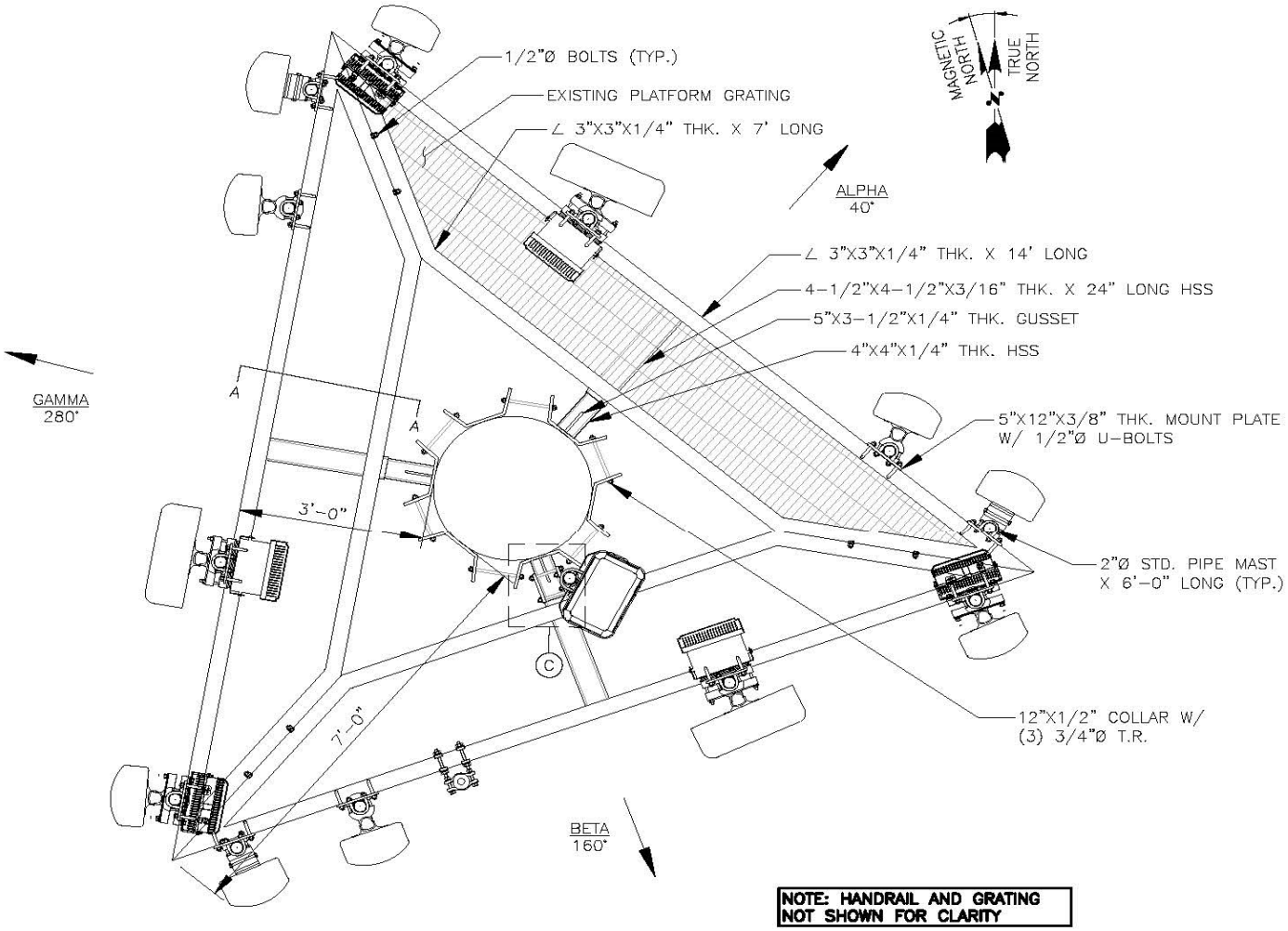
Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1232484

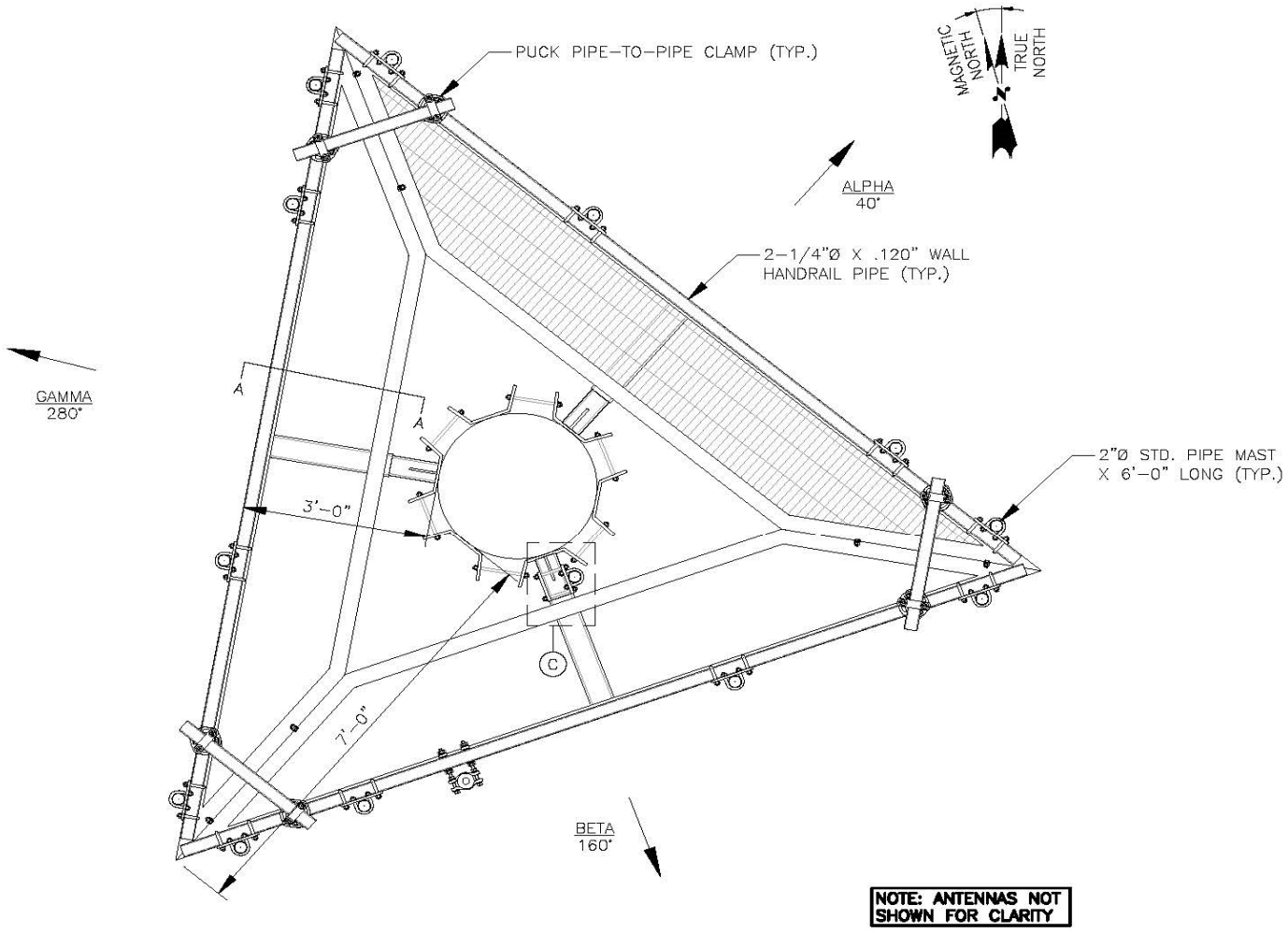
Tower Owner:	SBA	**Mapping Date:**	2/6/2021
Site Name:	Pomfret East	**Tower Type:**	Monopole
Site Number or ID:	467148	**Tower Height (Ft.):**	
Mapping Contractor:	Hudson Design Group LLC	**Mount Elevation (Ft.):**	154.1

Please Insert Sketches of the Antenna Mount



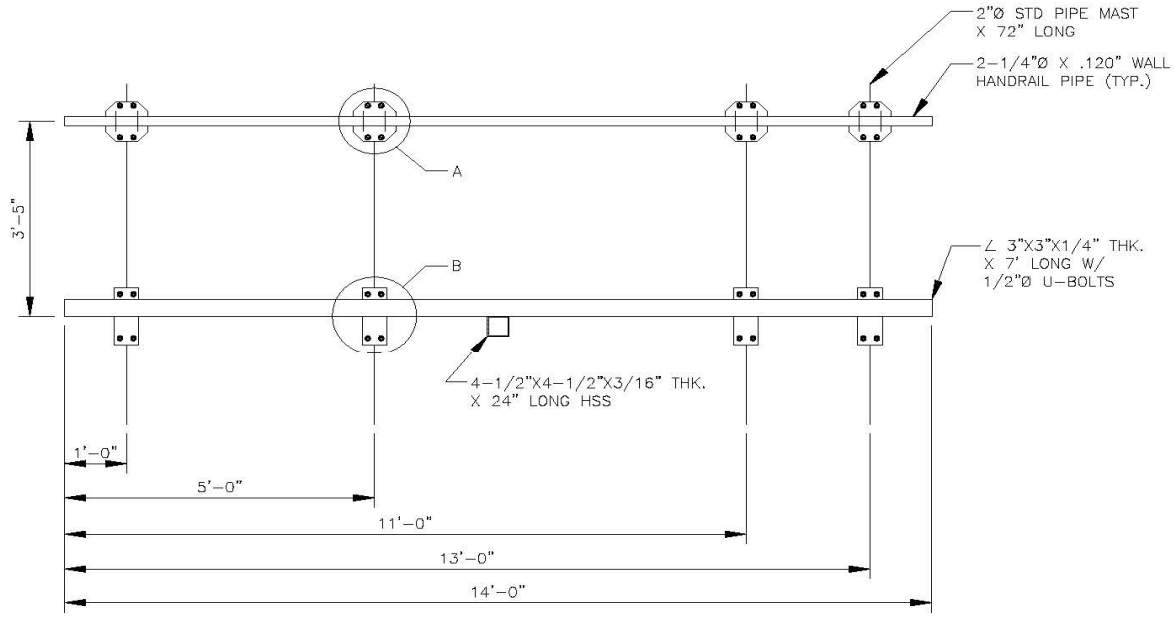
ANTENNA PLAN

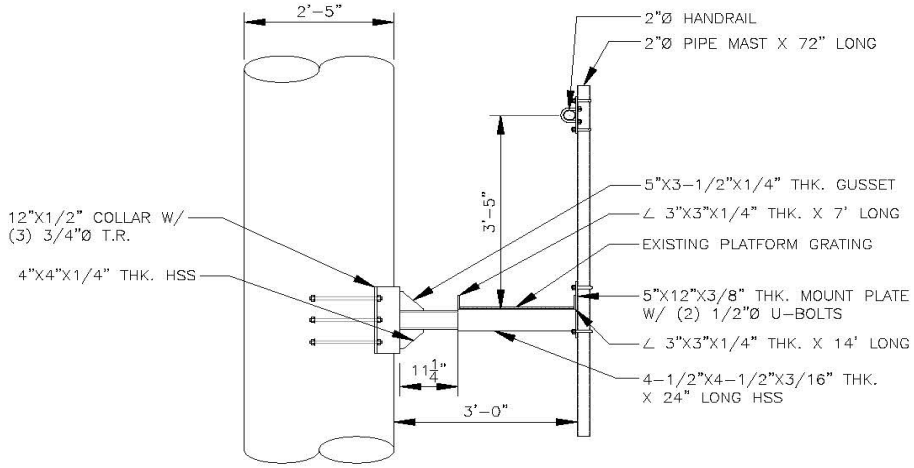
Please Insert Sketches of the Antenna Mount, cont'd



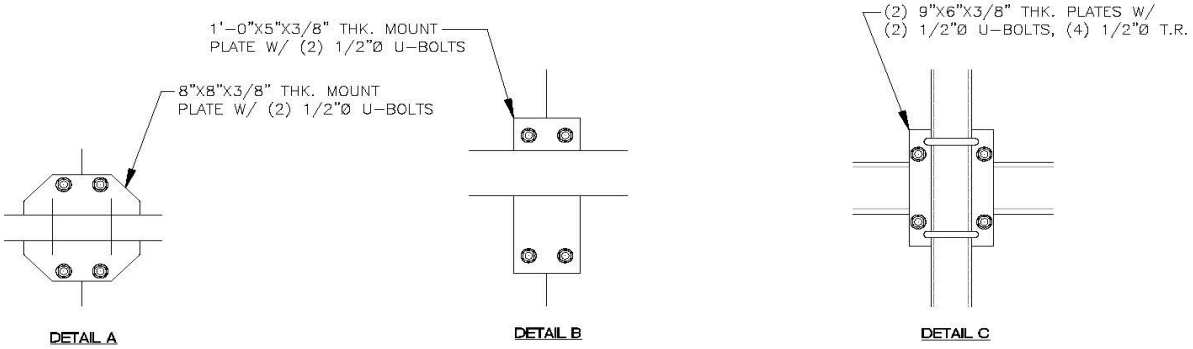
MOUNT PLAN

Please Insert Sketches of the Antenna Mount, cont'd





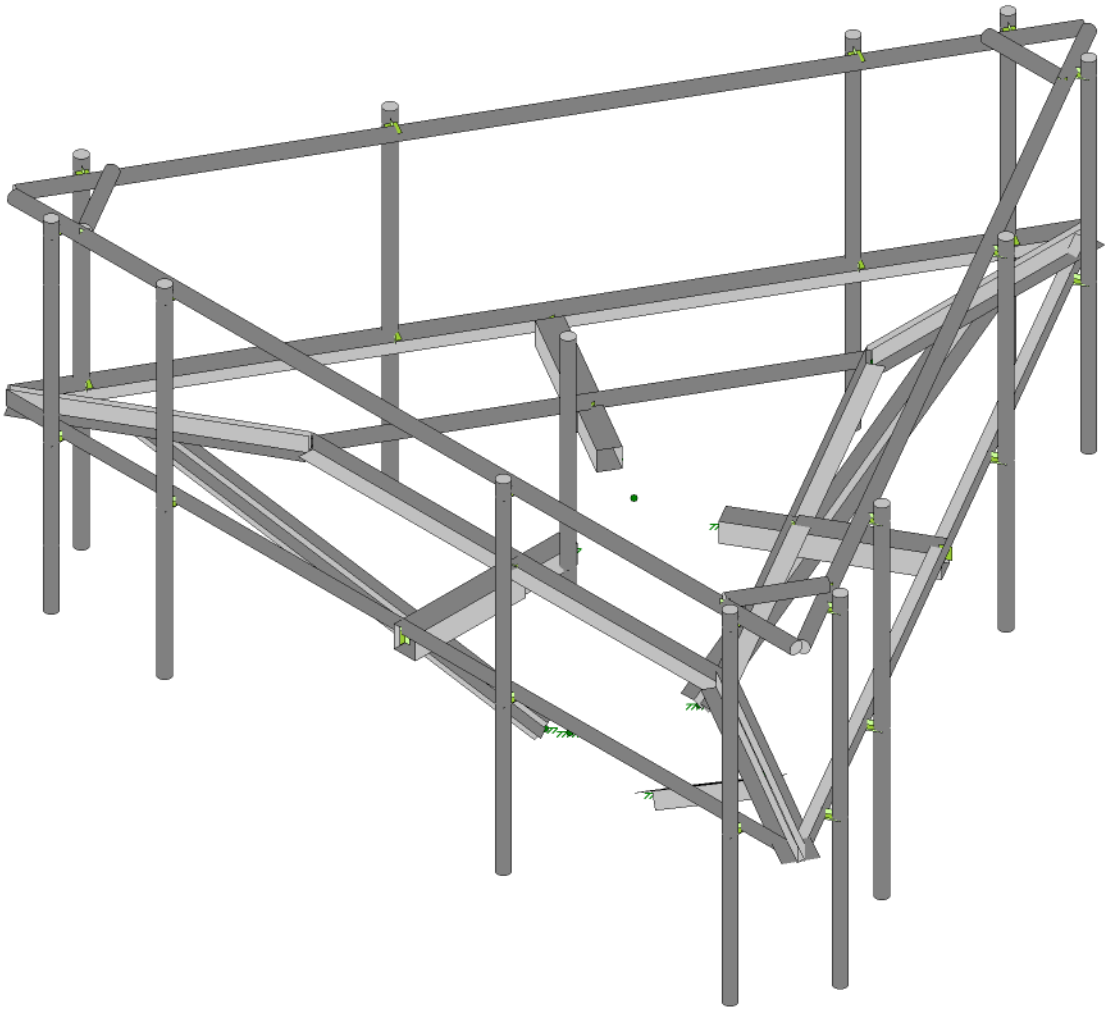
DETAIL A-A



DETAIL A

DETAIL B

DETAIL C



Envelope Only Solution

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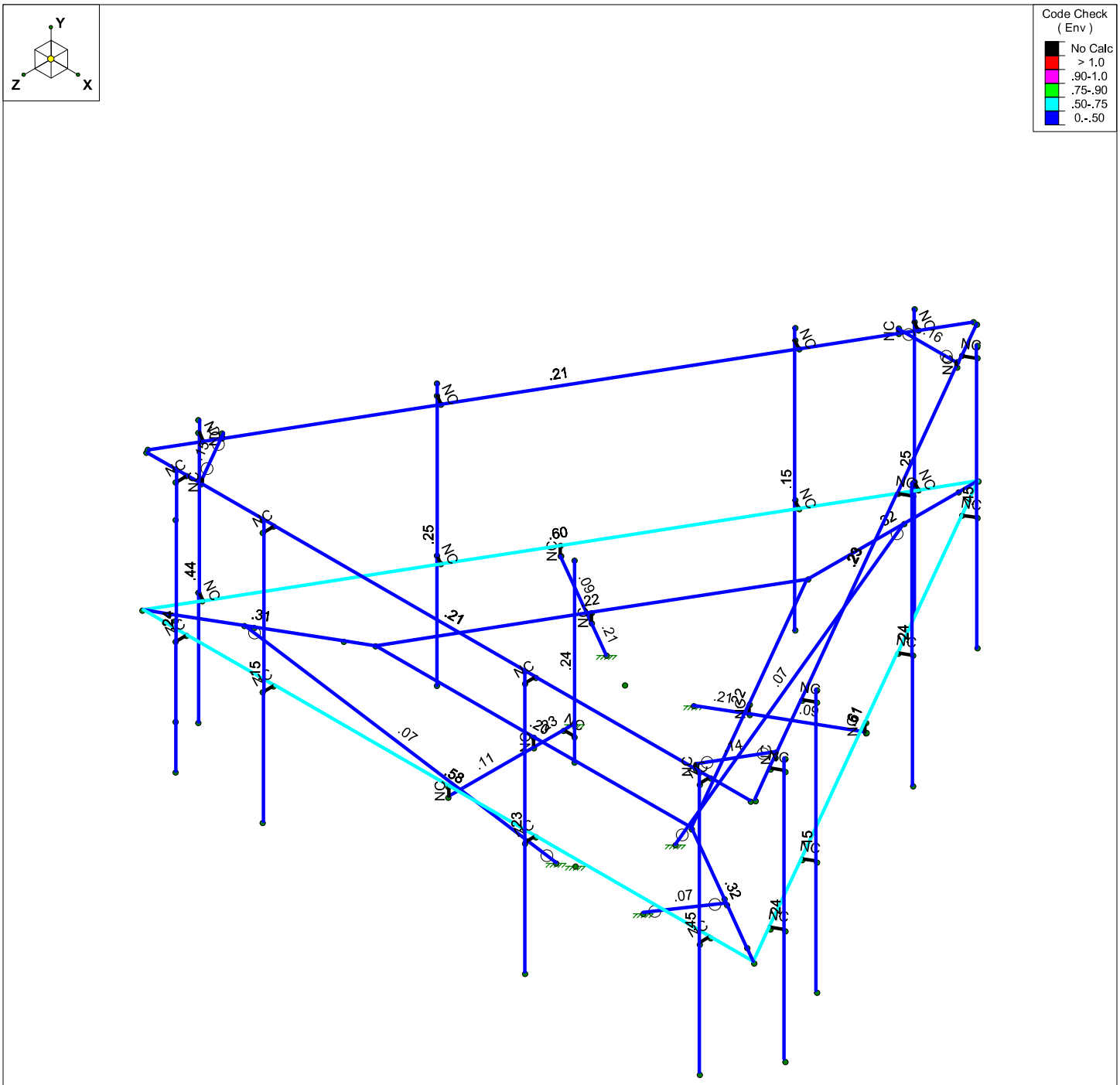

Member Code Checks Displayed (Enveloped)
Envelope Only Solution

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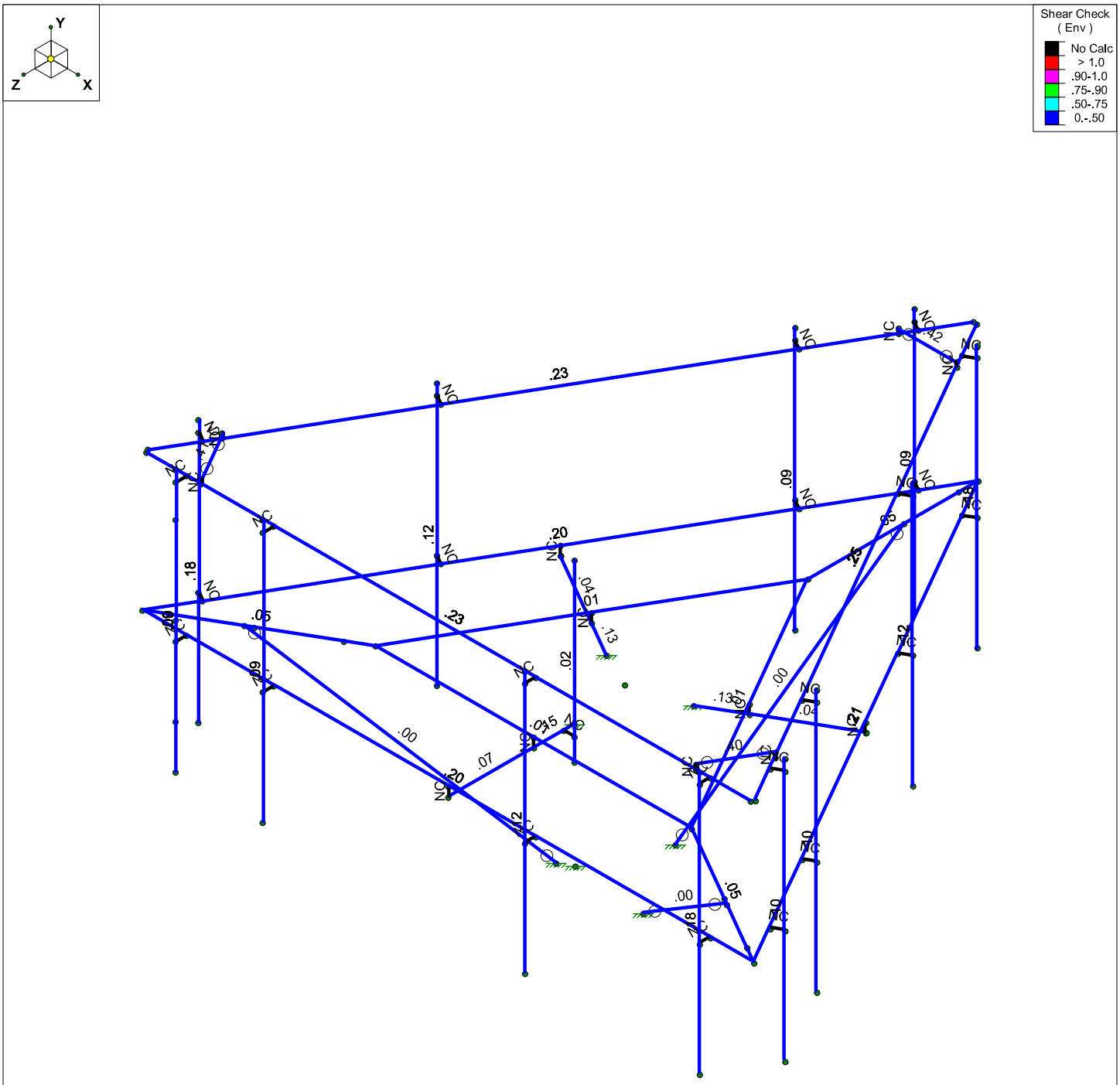

Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

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		MOD_467148-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					96			
2	Antenna Di	None					96			
3	Antenna Wo (0 Deg)	None					96			
4	Antenna Wo (30 Deg)	None					96			
5	Antenna Wo (60 Deg)	None					96			
6	Antenna Wo (90 Deg)	None					96			
7	Antenna Wo (120 Deg)	None					96			
8	Antenna Wo (150 Deg)	None					96			
9	Antenna Wo (180 Deg)	None					96			
10	Antenna Wo (210 Deg)	None					96			
11	Antenna Wo (240 Deg)	None					96			
12	Antenna Wo (270 Deg)	None					96			
13	Antenna Wo (300 Deg)	None					96			
14	Antenna Wo (330 Deg)	None					96			
15	Antenna Wi (0 Deg)	None					96			
16	Antenna Wi (30 Deg)	None					96			
17	Antenna Wi (60 Deg)	None					96			
18	Antenna Wi (90 Deg)	None					96			
19	Antenna Wi (120 Deg)	None					96			
20	Antenna Wi (150 Deg)	None					96			
21	Antenna Wi (180 Deg)	None					96			
22	Antenna Wi (210 Deg)	None					96			
23	Antenna Wi (240 Deg)	None					96			
24	Antenna Wi (270 Deg)	None					96			
25	Antenna Wi (300 Deg)	None					96			
26	Antenna Wi (330 Deg)	None					96			
27	Antenna Wm (0 Deg)	None					96			
28	Antenna Wm (30 Deg)	None					96			
29	Antenna Wm (60 Deg)	None					96			
30	Antenna Wm (90 Deg)	None					96			
31	Antenna Wm (120 De...	None					96			
32	Antenna Wm (150 De...	None					96			
33	Antenna Wm (180 De...	None					96			
34	Antenna Wm (210 De...	None					96			
35	Antenna Wm (240 De...	None					96			
36	Antenna Wm (270 De...	None					96			
37	Antenna Wm (300 De...	None					96			
38	Antenna Wm (330 De...	None					96			
39	Structure D	None		-1					3	
40	Structure Di	None						37	3	
41	Structure Wo (0 Deg)	None						74		
42	Structure Wo (30 Deg)	None						74		
43	Structure Wo (60 Deg)	None						74		
44	Structure Wo (90 Deg)	None						74		
45	Structure Wo (120 D...	None						74		
46	Structure Wo (150 D...	None						74		
47	Structure Wo (180 D...	None						74		
48	Structure Wo (210 D...	None						74		
49	Structure Wo (240 D...	None						74		
50	Structure Wo (270 D...	None						74		
51	Structure Wo (300 D...	None						74		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
52	Structure Wo (330 D...	None						74		
53	Structure Wi (0 Deg)	None						74		
54	Structure Wi (30 Deg)	None						74		
55	Structure Wi (60 Deg)	None						74		
56	Structure Wi (90 Deg)	None						74		
57	Structure Wi (120 De...	None						74		
58	Structure Wi (150 De...	None						74		
59	Structure Wi (180 De...	None						74		
60	Structure Wi (210 De...	None						74		
61	Structure Wi (240 De...	None						74		
62	Structure Wi (270 De...	None						74		
63	Structure Wi (300 De...	None						74		
64	Structure Wi (330 De...	None						74		
65	Structure Wm (0 Deg)	None						74		
66	Structure Wm (30 D...	None						74		
67	Structure Wm (60 D...	None						74		
68	Structure Wm (90 D...	None						74		
69	Structure Wm (120 ...	None						74		
70	Structure Wm (150 ...	None						74		
71	Structure Wm (180 ...	None						74		
72	Structure Wm (210 ...	None						74		
73	Structure Wm (240 ...	None						74		
74	Structure Wm (270 ...	None						74		
75	Structure Wm (300 ...	None						74		
76	Structure Wm (330 ...	None						74		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						27		
82	BLC 40 Transient Are...	None						27		

Load Combinations

	Description	Solve	PDelta	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0Wo (0...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (6...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (9...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								

Load Combinations (Continued)

	Description	Solve	PDelta	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
17	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866										

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	CP	0.000004	0	-0.000002	0	
2	N2	0.000004	-2.5	13.845813	0	
3	N10	-0.	0	-50.201687	0	
4	N13	-0.	0	-91.630262	0	
5	N14	-0.	0	-96.991607	0	
6	N15	-43.475936	0	25.100843	0	
7	N16	-83.997196	0	48.495803	0	
8	N17	43.475936	0	25.100843	0	
9	N18	83.997196	0	48.495803	0	
10	N15A	0.	-2.5	25.100843	0	
11	N16A	0.	-2.5	48.495803	0	
12	N15B	-48.96319	0	28.268911	0	
13	N17A	-79.354135	0	45.815131	0	
14	N20	79.354135	0	45.815131	0	
15	N67	42.081226	-2.5	-24.104786	0	
16	N78	21.737968	-2.5	-12.550422	0	
17	N91	-41.91597	-2.5	-24.391017	0	
18	N110	-21.737968	-2.5	-12.550422	0	
19	N108A	41.998598	-2.5	-24.247902	0	
20	N110A	-41.998598	-2.5	-24.247902	0	
21	N78A	0.	0	25.100843	0	
22	N79	0.	0	48.495803	0	
23	N80	42.081226	0	-24.104786	0	
24	N81	21.737968	0	-12.550422	0	
25	N82	-21.737968	0	-12.550422	0	
26	N83	-41.998598	0	-24.247902	0	
27	N33	-82.997196	38	48.495803	0	
28	N34	82.997196	38	48.495803	0	
29	N36	83.497203	38	47.629779	0	
30	N37	0.500008	38	-96.125581	0	
31	N39	-0.499996	38	-96.125588	0	
32	N40	-83.497191	38	47.629772	0	
33	N39A	71.997196	0	48.495803	0	
34	N40A	71.997196	38	48.495803	0	
35	N41	23.997196	0	48.495803	0	
36	N42	23.997196	38	48.495803	0	
37	N43	-48.002804	0	48.495803	0	
38	N44	-48.002804	38	48.495803	0	
39	N45	-72.002804	0	48.495803	0	
40	N46	-72.002804	38	48.495803	0	
41	N47	71.997196	0	51.495803	0	
42	N48	71.997196	38	51.495803	0	
43	N49	23.997196	0	51.495803	0	
44	N50	23.997196	38	51.495803	0	
45	N51	-48.002804	0	51.495803	0	
46	N52	-48.002804	38	51.495803	0	
47	N53	-72.002804	0	51.495803	0	
48	N54	-72.002804	38	51.495803	0	
49	N55	71.997196	41	51.495803	0	
50	N56	23.997196	41	51.495803	0	
51	N57	-48.002804	41	51.495803	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
52	N58	-72.002804	41	51.495803	0	
53	N59	71.997196	-31	51.495803	0	
54	N60	23.997196	-31	51.495803	0	
55	N61	-48.002804	-31	51.495803	0	
56	N62	-72.002804	-31	51.495803	0	
57	N64	6.000002	0	-86.599299	0	
58	N65	6.000008	38	-86.599302	0	
59	N66	30.000002	0	-45.030079	0	
60	N67A	30.000008	38	-45.030082	0	
61	N68	66.000002	0	17.32375	0	
62	N69	66.000008	38	17.323747	0	
63	N70	78.000008	38	38.108356	0	
64	N71	8.598084	0	-88.099302	0	
65	N72	8.598084	38	-88.099302	0	
66	N73	32.598084	0	-46.530082	0	
67	N74	32.598084	38	-46.530082	0	
68	N75	68.598084	0	15.823747	0	
69	N76	68.598084	38	15.823747	0	
70	N77	80.598084	0	36.608356	0	
71	N78B	80.598084	38	36.608356	0	
72	N79A	8.598084	41	-88.099302	0	
73	N80A	32.598084	41	-46.530082	0	
74	N81A	68.598084	41	15.823747	0	
75	N82A	80.598084	41	36.608356	0	
76	N83A	8.598084	-31	-88.099302	0	
77	N84	32.598084	-31	-46.530082	0	
78	N85	68.598084	-31	15.823747	0	
79	N86	80.598084	-31	36.608356	0	
80	N88	-77.997192	0	38.103492	0	
81	N89	-77.997191	38	38.103492	0	
82	N90	-53.997192	0	-3.465727	0	
83	N91A	-53.997191	38	-3.465727	0	
84	N92	-17.997192	0	-65.819556	0	
85	N93	-17.997191	38	-65.819556	0	
86	N94	-5.997191	38	-86.604166	0	
87	N95	-80.595268	0	36.603492	0	
88	N96	-80.595268	38	36.603492	0	
89	N97	-56.595268	0	-4.965727	0	
90	N98	-56.595268	38	-4.965727	0	
91	N99	-20.595268	0	-67.319556	0	
92	N100	-20.595268	38	-67.319556	0	
93	N101	-8.595268	0	-88.104166	0	
94	N102	-8.595268	38	-88.104166	0	
95	N103	-80.595268	41	36.603492	0	
96	N104	-56.595268	41	-4.965727	0	
97	N105	-20.595268	41	-67.319556	0	
98	N106	-8.595268	41	-88.104166	0	
99	N107	-80.595268	-31	36.603492	0	
100	N108	-56.595268	-31	-4.965727	0	
101	N109	-20.595268	-31	-67.319556	0	
102	N110B	-8.595268	-31	-88.104166	0	
103	N108B	11.990831	-2.5	-6.922909	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
104	N111	-11.990823	-2.5	-6.922909	0	
105	N109A	-67.997196	38	48.495803	0	
106	N110C	67.997196	38	48.495803	0	
107	N111A	-67.997196	39.2	48.495803	0	
108	N112	67.997196	39.2	48.495803	0	
109	N114	75.997203	38	34.639397	0	
110	N115	8.000008	38	-83.1352	0	
111	N116	75.997203	39.2	34.639397	0	
112	N117	8.000008	39.2	-83.1352	0	
113	N119	-7.999996	38	-83.135207	0	
114	N120	-75.997191	38	34.639391	0	
115	N121	-7.999996	39.2	-83.135207	0	
116	N122	-75.997191	39.2	34.639391	0	
117	N121A	0.000004	-2.5	16.845813	0	
118	N122A	3.000004	-2.5	16.845813	0	
119	N123	3.000004	-8.5	16.845813	0	
120	N124	3.000004	39.5	16.845813	0	
121	N125	-72.002804	5	51.495803	0	
122	N126	-72.002804	29	51.495803	0	
123	N127	-72.002804	-19	51.495803	0	
124	N129	-5.997196	0	-86.60416	0	
125	N131	78.	0	38.108356	0	
126	N143	-0.	0	-76.570839	0	
127	N168	4e-6	-45	-13.8458	0	
128	N146	-8.660254	-45	5	0	
129	N135	-11.990815	-45	6.9229	0	
130	N137	11.990815	-45	6.9229	0	
131	N141	-64.580241	0	37.285419	0	
132	N142	64.580241	0	37.285419	0	
133	N133	-66.312291	0	38.285419	0	
134	N134	66.312291	0	38.285419	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rul...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
2	Standoff_2	HSS4.5X4.5X3	Beam	Tube	A500 Gr.B ...	Typical	2.93	9.02	9.02	14.4
3	Cross Members	L3X3X4	Beam	Channel	A36 Gr.36	Typical	1.44	1.23	1.23	.031
4	Face Horizontal	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
5	Standoff_1	HSS4X4X4	Beam	Tube	A500 Gr.B ...	Typical	3.37	7.8	7.8	12.8
6	Grating Angle	LL3x3x4x0	Beam	Double Angle (...	A36 Gr.36	Typical	2.88	4.5	2.46	.063
7	Mount Plate	PL3/8x5	Column	BAR	A36 Gr.36	Typical	1.875	.022	3.906	.084
8	Dual Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Support Rail	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
10	Mount Brace	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
11	Secondary Horizontal	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
12	Reinforcement Kit	L2.5x2.5x3	Column	Single Angle	A36 Gr.36	Typical	.901	.535	.535	.011
13	Support Brace	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
14	Cross Brace	HSS3X3X4	Beam	Tube	A500 Gr.B ...	Typical	2.44	3.02	3.02	5.08
15	Kicker	LL3x3x3x6	Column	Double Angle (...	A36 Gr.36	Typical	2.18	4.97	1.9	.027

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N2	N15A			Standoff_1	Beam	Tube	A500 Gr.B...	Typical
2	M2	N15A	N16A			Standoff_2	Beam	Tube	A500 Gr.B...	Typical
3	M5	N14	N10		180	Grating Angle	Beam	Double Angle (...	A36 Gr.36	Typical
4	M6	N16	N15		180	Grating Angle	Beam	Double Angle (...	A36 Gr.36	Typical
5	M7	N18	N17		180	Grating Angle	Beam	Double Angle (...	A36 Gr.36	Typical
6	M6A	N17	N15		270	Cross Members	Beam	Channel	A36 Gr.36	Typical
7	M7A	N16	N18		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
8	M23A	N10	N17		270	Cross Members	Beam	Channel	A36 Gr.36	Typical
9	M24	N18	N14		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
10	M39A	N15	N10		270	Cross Members	Beam	Channel	A36 Gr.36	Typical
11	M40	N14	N16		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
12	M55	N78	N108A			Standoff_2	Beam	Tube	A500 Gr.B...	Typical
13	M56	N110	N110A			Standoff_2	Beam	Tube	A500 Gr.B...	Typical
14	M40A	N79	N16A			RIGID	None	None	RIGID	Typical
15	M41	N78A	N15A			RIGID	None	None	RIGID	Typical
16	M42	N83	N110A			RIGID	None	None	RIGID	Typical
17	M43	N82	N110			RIGID	None	None	RIGID	Typical
18	M44	N81	N78			RIGID	None	None	RIGID	Typical
19	M45	N80	N108A			RIGID	None	None	RIGID	Typical
20	M22	N33	N34		270	Support Rail	Column	Pipe	A53 Gr.B	Typical
21	M23	N36	N37		270	Support Rail	Column	Pipe	A53 Gr.B	Typical
22	M24A	N39	N40		270	Support Rail	Column	Pipe	A53 Gr.B	Typical
23	M25	N54	N46			RIGID	None	None	RIGID	Typical
24	M26	N53	N45			RIGID	None	None	RIGID	Typical
25	M27	N51	N43			RIGID	None	None	RIGID	Typical
26	M28	N52	N44			RIGID	None	None	RIGID	Typical
27	M29	N49	N41			RIGID	None	None	RIGID	Typical
28	M30	N50	N42			RIGID	None	None	RIGID	Typical
29	M31	N47	N39A			RIGID	None	None	RIGID	Typical
30	M32	N48	N40A			RIGID	None	None	RIGID	Typical
31	MP4A	N58	N62			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
32	MP3A	N57	N61			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
33	MP2A	N56	N60			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
34	MP1A	N55	N59			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
35	M37	N78B	N70			RIGID	None	None	RIGID	Typical
36	M38	N75	N68			RIGID	None	None	RIGID	Typical
37	M39	N76	N69			RIGID	None	None	RIGID	Typical
38	M40B	N73	N66			RIGID	None	None	RIGID	Typical
39	M41A	N74	N67A			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
40	M42A	N71	N64			RIGID	None	None	RIGID	Typical
41	M43A	N72	N65			RIGID	None	None	RIGID	Typical
42	MP4C	N82A	N86			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
43	MP3C	N81A	N85			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
44	MP2C	N80A	N84			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
45	MP1C	N79A	N83A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
46	M48	N102	N94			RIGID	None	None	RIGID	Typical
47	M49	N99	N92			RIGID	None	None	RIGID	Typical
48	M50	N100	N93			RIGID	None	None	RIGID	Typical
49	M51	N97	N90			RIGID	None	None	RIGID	Typical
50	M52	N98	N91A			RIGID	None	None	RIGID	Typical
51	M53	N95	N88			RIGID	None	None	RIGID	Typical
52	M54	N96	N89			RIGID	None	None	RIGID	Typical
53	MP4B	N106	N110B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
54	MP3B	N105	N109			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
55	MP2B	N104	N108			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
56	MP1B	N103	N107			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
57	M57A	N108B	N78			Standoff_1	Beam	Tube	A500 Gr.B...	Typical
58	M58A	N111	N110			Standoff_1	Beam	Tube	A500 Gr.B...	Typical
59	M59	N111A	N109A			RIGID	None	None	RIGID	Typical
60	M60	N112	N110C			RIGID	None	None	RIGID	Typical
61	M61	N116	N114			RIGID	None	None	RIGID	Typical
62	M62	N117	N115			RIGID	None	None	RIGID	Typical
63	M63	N121	N119			RIGID	None	None	RIGID	Typical
64	M64	N122	N120			RIGID	None	None	RIGID	Typical
65	M65	N111A	N122			Mount Brace	Beam	Pipe	A53 Gr.B	Typical
66	M66	N121	N117			Mount Brace	Beam	Pipe	A53 Gr.B	Typical
67	M67	N116	N112			Mount Brace	Beam	Pipe	A53 Gr.B	Typical
68	M68	N121A	N122A			RIGID	None	None	RIGID	Typical
69	OVP	N124	N123			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
70	M70	N101	N129			RIGID	None	None	RIGID	Typical
71	M71	N77	N131			RIGID	None	None	RIGID	Typical
72	M81	N143	N168			Kicker	Column	Double Angle (...	A36 Gr.36	Typical
73	M73	N133	N135			Kicker	Column	Double Angle (...	A36 Gr.36	Typical
74	M74	N134	N137			Kicker	Column	Double Angle (...	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M2						Yes				None
3	M5						Yes				None
4	M6						Yes				None
5	M7						Yes	Default			None
6	M6A						Yes				None
7	M7A						Yes				None
8	M23A						Yes				None
9	M24						Yes				None
10	M39A						Yes				None
11	M40						Yes				None
12	M55						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
13	M56						Yes				None
14	M40A						Yes	** NA **			None
15	M41						Yes	** NA **			None
16	M42						Yes	** NA **			None
17	M43						Yes	** NA **			None
18	M44						Yes	** NA **			None
19	M45						Yes	** NA **			None
20	M22						Yes	** NA **			None
21	M23						Yes	** NA **			None
22	M24A						Yes	** NA **			None
23	M25						Yes	** NA **			None
24	M26						Yes	** NA **			None
25	M27						Yes	** NA **			None
26	M28						Yes	** NA **			None
27	M29						Yes	** NA **			None
28	M30						Yes	** NA **			None
29	M31						Yes	** NA **			None
30	M32						Yes	** NA **			None
31	MP4A						Yes	** NA **			None
32	MP3A						Yes	** NA **			None
33	MP2A						Yes	** NA **			None
34	MP1A						Yes	** NA **			None
35	M37						Yes	** NA **			None
36	M38						Yes	** NA **			None
37	M39						Yes	** NA **			None
38	M40B						Yes	** NA **			None
39	M41A						Yes	** NA **			None
40	M42A						Yes	** NA **			None
41	M43A						Yes	** NA **			None
42	MP4C						Yes	** NA **			None
43	MP3C						Yes	** NA **			None
44	MP2C						Yes	** NA **			None
45	MP1C						Yes	** NA **			None
46	M48						Yes	** NA **			None
47	M49						Yes	** NA **			None
48	M50						Yes	** NA **			None
49	M51						Yes	** NA **			None
50	M52						Yes	** NA **			None
51	M53						Yes	** NA **			None
52	M54						Yes	** NA **			None
53	MP4B						Yes	** NA **			None
54	MP3B						Yes	** NA **			None
55	MP2B						Yes	** NA **			None
56	MP1B						Yes	** NA **			None
57	M57A						Yes				None
58	M58A						Yes				None
59	M59						Yes	** NA **			None
60	M60						Yes	** NA **			None
61	M61						Yes	** NA **			None
62	M62						Yes	** NA **			None
63	M63						Yes	** NA **			None
64	M64						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
65	M65	BenPIN	BenPIN				Yes				None
66	M66	BenPIN	BenPIN				Yes				None
67	M67	BenPIN	BenPIN				Yes				None
68	M68						Yes	** NA **			None
69	OVP						Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M81	BenPIN	BenPIN				Yes	** NA **			None
73	M73	BenPIN	BenPIN				Yes	** NA **			None
74	M74	BenPIN	BenPIN				Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	Y	-23	12
2	MP1A	My	-.017	12
3	MP1A	Mz	.015	12
4	MP1A	Y	-23	60
5	MP1A	My	-.017	60
6	MP1A	Mz	.015	60
7	MP1B	Y	-23	12
8	MP1B	My	.005	12
9	MP1B	Mz	-.022	12
10	MP1B	Y	-23	60
11	MP1B	My	.005	60
12	MP1B	Mz	-.022	60
13	MP1C	Y	-23	12
14	MP1C	My	.019	12
15	MP1C	Mz	.013	12
16	MP1C	Y	-23	60
17	MP1C	My	.019	60
18	MP1C	Mz	.013	60
19	MP1A	Y	-23	12
20	MP1A	My	-.017	12
21	MP1A	Mz	-.015	12
22	MP1A	Y	-23	60
23	MP1A	My	-.017	60
24	MP1A	Mz	-.015	60
25	MP1B	Y	-23	12
26	MP1B	My	.023	12
27	MP1B	Mz	.003	12
28	MP1B	Y	-23	60
29	MP1B	My	.023	60
30	MP1B	Mz	.003	60
31	MP1C	Y	-23	12
32	MP1C	My	-.01	12
33	MP1C	Mz	.021	12
34	MP1C	Y	-23	60
35	MP1C	My	-.01	60
36	MP1C	Mz	.021	60
37	MP2A	Y	-43.55	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
38	MP2A	My	-.033	24
39	MP2A	Mz	0	24
40	MP2A	Y	-43.55	48
41	MP2A	My	-.033	48
42	MP2A	Mz	0	48
43	MP2B	Y	-43.55	24
44	MP2B	My	.027	24
45	MP2B	Mz	-.019	24
46	MP2B	Y	-43.55	48
47	MP2B	My	.027	48
48	MP2B	Mz	-.019	48
49	MP2C	Y	-43.55	24
50	MP2C	My	.008	24
51	MP2C	Mz	.032	24
52	MP2C	Y	-43.55	48
53	MP2C	My	.008	48
54	MP2C	Mz	.032	48
55	OVP	Y	-32	12
56	OVP	My	0	12
57	OVP	Mz	0	12
58	MP1A	Y	-84.4	36
59	MP1A	My	.041	36
60	MP1A	Mz	.011	36
61	MP1B	Y	-84.4	36
62	MP1B	My	-.035	36
63	MP1B	Mz	.024	36
64	MP1C	Y	-84.4	36
65	MP1C	My	-.011	36
66	MP1C	Mz	-.041	36
67	MP2A	Y	-70.3	36
68	MP2A	My	.035	36
69	MP2A	Mz	0	36
70	MP2B	Y	-70.3	36
71	MP2B	My	-.029	36
72	MP2B	Mz	.02	36
73	MP2C	Y	-70.3	36
74	MP2C	My	-.009	36
75	MP2C	Mz	-.034	36
76	MP4A	Y	-22.95	12
77	MP4A	My	-.017	12
78	MP4A	Mz	-.004	12
79	MP4A	Y	-22.95	60
80	MP4A	My	-.017	60
81	MP4A	Mz	-.004	60
82	MP4B	Y	-22.95	12
83	MP4B	My	.012	12
84	MP4B	Mz	-.012	12
85	MP4B	Y	-22.95	60
86	MP4B	My	.012	60
87	MP4B	Mz	-.012	60
88	MP4C	Y	-22.95	12
89	MP4C	My	.004	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
90	MP4C	Mz	.017	12
91	MP4C	Y	-22.95	60
92	MP4C	My	.004	60
93	MP4C	Mz	.017	60
94	M24A	Y	-10	24
95	M24A	My	0	24
96	M24A	Mz	0	24

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	Y	-83.541	12
2	MP1A	My	-.063	12
3	MP1A	Mz	.056	12
4	MP1A	Y	-83.541	60
5	MP1A	My	-.063	60
6	MP1A	Mz	.056	60
7	MP1B	Y	-83.541	12
8	MP1B	My	.019	12
9	MP1B	Mz	-.082	12
10	MP1B	Y	-83.541	60
11	MP1B	My	.019	60
12	MP1B	Mz	-.082	60
13	MP1C	Y	-83.541	12
14	MP1C	My	.07	12
15	MP1C	Mz	.046	12
16	MP1C	Y	-83.541	60
17	MP1C	My	.07	60
18	MP1C	Mz	.046	60
19	MP1A	Y	-83.541	12
20	MP1A	My	-.063	12
21	MP1A	Mz	-.056	12
22	MP1A	Y	-83.541	60
23	MP1A	My	-.063	60
24	MP1A	Mz	-.056	60
25	MP1B	Y	-83.541	12
26	MP1B	My	.083	12
27	MP1B	Mz	.01	12
28	MP1B	Y	-83.541	60
29	MP1B	My	.083	60
30	MP1B	Mz	.01	60
31	MP1C	Y	-83.541	12
32	MP1C	My	-.038	12
33	MP1C	Mz	.075	12
34	MP1C	Y	-83.541	60
35	MP1C	My	-.038	60
36	MP1C	Mz	.075	60
37	MP2A	Y	-36.092	24
38	MP2A	My	-.027	24
39	MP2A	Mz	0	24
40	MP2A	Y	-36.092	48
41	MP2A	My	-.027	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
42	MP2A	Mz	0	48
43	MP2B	Y	-36.092	24
44	MP2B	My	.022	24
45	MP2B	Mz	-.016	24
46	MP2B	Y	-36.092	48
47	MP2B	My	.022	48
48	MP2B	Mz	-.016	48
49	MP2C	Y	-36.092	24
50	MP2C	My	.007	24
51	MP2C	Mz	.026	24
52	MP2C	Y	-36.092	48
53	MP2C	My	.007	48
54	MP2C	Mz	.026	48
55	OVP	Y	-76.96	12
56	OVP	My	0	12
57	OVP	Mz	0	12
58	MP1A	Y	-45.512	36
59	MP1A	My	.022	36
60	MP1A	Mz	.006	36
61	MP1B	Y	-45.512	36
62	MP1B	My	-.019	36
63	MP1B	Mz	.013	36
64	MP1C	Y	-45.512	36
65	MP1C	My	-.006	36
66	MP1C	Mz	-.022	36
67	MP2A	Y	-40.933	36
68	MP2A	My	.02	36
69	MP2A	Mz	0	36
70	MP2B	Y	-40.933	36
71	MP2B	My	-.017	36
72	MP2B	Mz	.012	36
73	MP2C	Y	-40.933	36
74	MP2C	My	-.005	36
75	MP2C	Mz	-.02	36
76	MP4A	Y	-68.183	12
77	MP4A	My	-.049	12
78	MP4A	Mz	-.013	12
79	MP4A	Y	-68.183	60
80	MP4A	My	-.049	60
81	MP4A	Mz	-.013	60
82	MP4B	Y	-68.183	12
83	MP4B	My	.036	12
84	MP4B	Mz	-.036	12
85	MP4B	Y	-68.183	60
86	MP4B	My	.036	60
87	MP4B	Mz	-.036	60
88	MP4C	Y	-68.183	12
89	MP4C	My	.013	12
90	MP4C	Mz	.049	12
91	MP4C	Y	-68.183	60
92	MP4C	My	.013	60
93	MP4C	Mz	.049	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
94	M24A	Y	-11.621	24
95	M24A	My	0	24
96	M24A	Mz	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	12
2	MP1A	Z	-210.898	12
3	MP1A	Mx	-.141	12
4	MP1A	X	0	60
5	MP1A	Z	-210.898	60
6	MP1A	Mx	-.141	60
7	MP1B	X	0	12
8	MP1B	Z	-193.098	12
9	MP1B	Mx	.189	12
10	MP1B	X	0	60
11	MP1B	Z	-193.098	60
12	MP1B	Mx	.189	60
13	MP1C	X	0	12
14	MP1C	Z	-160.419	12
15	MP1C	Mx	-.089	12
16	MP1C	X	0	60
17	MP1C	Z	-160.419	60
18	MP1C	Mx	-.089	60
19	MP1A	X	0	12
20	MP1A	Z	-210.898	12
21	MP1A	Mx	.141	12
22	MP1A	X	0	60
23	MP1A	Z	-210.898	60
24	MP1A	Mx	.141	60
25	MP1B	X	0	12
26	MP1B	Z	-193.098	12
27	MP1B	Mx	-.022	12
28	MP1B	X	0	60
29	MP1B	Z	-193.098	60
30	MP1B	Mx	-.022	60
31	MP1C	X	0	12
32	MP1C	Z	-160.419	12
33	MP1C	Mx	-.144	12
34	MP1C	X	0	60
35	MP1C	Z	-160.419	60
36	MP1C	Mx	-.144	60
37	MP2A	X	0	24
38	MP2A	Z	-100.428	24
39	MP2A	Mx	0	24
40	MP2A	X	0	48
41	MP2A	Z	-100.428	48
42	MP2A	Mx	0	48
43	MP2B	X	0	24
44	MP2B	Z	-80.323	24
45	MP2B	Mx	.035	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
46	MP2B	X	0	48
47	MP2B	Z	-80.323	48
48	MP2B	Mx	.035	48
49	MP2C	X	0	24
50	MP2C	Z	-43.411	24
51	MP2C	Mx	-.031	24
52	MP2C	X	0	48
53	MP2C	Z	-43.411	48
54	MP2C	Mx	-.031	48
55	OVP	X	0	12
56	OVP	Z	-158.298	12
57	OVP	Mx	0	12
58	MP1A	X	0	36
59	MP1A	Z	-78.14	36
60	MP1A	Mx	-.01	36
61	MP1B	X	0	36
62	MP1B	Z	-71.198	36
63	MP1B	Mx	-.02	36
64	MP1C	X	0	36
65	MP1C	Z	-55.194	36
66	MP1C	Mx	.027	36
67	MP2A	X	0	36
68	MP2A	Z	-79.915	36
69	MP2A	Mx	0	36
70	MP2B	X	0	36
71	MP2B	Z	-67.859	36
72	MP2B	Mx	-.019	36
73	MP2C	X	0	36
74	MP2C	Z	-45.724	36
75	MP2C	Mx	.022	36
76	MP4A	X	0	12
77	MP4A	Z	-192.8	12
78	MP4A	Mx	.037	12
79	MP4A	X	0	60
80	MP4A	Z	-192.8	60
81	MP4A	Mx	.037	60
82	MP4B	X	0	12
83	MP4B	Z	-164.211	12
84	MP4B	Mx	.087	12
85	MP4B	X	0	60
86	MP4B	Z	-164.211	60
87	MP4B	Mx	.087	60
88	MP4C	X	0	12
89	MP4C	Z	-135.623	12
90	MP4C	Mx	-.098	12
91	MP4C	X	0	60
92	MP4C	Z	-135.623	60
93	MP4C	Mx	-.098	60
94	M24A	X	0	24
95	M24A	Z	-41.59	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	98.686	12
2	MP1A	Z	-170.929	12
3	MP1A	Mx	-.188	12
4	MP1A	X	98.686	60
5	MP1A	Z	-170.929	60
6	MP1A	Mx	-.188	60
7	MP1B	X	83.229	12
8	MP1B	Z	-144.156	12
9	MP1B	Mx	.16	12
10	MP1B	X	83.229	60
11	MP1B	Z	-144.156	60
12	MP1B	Mx	.16	60
13	MP1C	X	91.923	12
14	MP1C	Z	-159.215	12
15	MP1C	Mx	-.011	12
16	MP1C	X	91.923	60
17	MP1C	Z	-159.215	60
18	MP1C	Mx	-.011	60
19	MP1A	X	98.686	12
20	MP1A	Z	-170.929	12
21	MP1A	Mx	.04	12
22	MP1A	X	98.686	60
23	MP1A	Z	-170.929	60
24	MP1A	Mx	.04	60
25	MP1B	X	83.229	12
26	MP1B	Z	-144.156	12
27	MP1B	Mx	.066	12
28	MP1B	X	83.229	60
29	MP1B	Z	-144.156	60
30	MP1B	Mx	.066	60
31	MP1C	X	91.923	12
32	MP1C	Z	-159.215	12
33	MP1C	Mx	-.184	12
34	MP1C	X	91.923	60
35	MP1C	Z	-159.215	60
36	MP1C	Mx	-.184	60
37	MP2A	X	42.575	24
38	MP2A	Z	-73.742	24
39	MP2A	Mx	-.032	24
40	MP2A	X	42.575	48
41	MP2A	Z	-73.742	48
42	MP2A	Mx	-.032	48
43	MP2B	X	25.116	24
44	MP2B	Z	-43.502	24
45	MP2B	Mx	.034	24
46	MP2B	X	25.116	48
47	MP2B	Z	-43.502	48
48	MP2B	Mx	.034	48
49	MP2C	X	34.936	24
50	MP2C	Z	-60.511	24
51	MP2C	Mx	-.037	24
52	MP2C	X	34.936	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	-60.511	48
54	MP2C	Mx	-.037	48
55	OVP	X	67.294	12
56	OVP	Z	-116.556	12
57	OVP	Mx	0	12
58	MP1A	X	39.07	36
59	MP1A	Z	-67.671	36
60	MP1A	Mx	.01	36
61	MP1B	X	29.076	36
62	MP1B	Z	-50.36	36
63	MP1B	Mx	-.026	36
64	MP1C	X	33.333	36
65	MP1C	Z	-57.735	36
66	MP1C	Mx	.024	36
67	MP2A	X	35.377	36
68	MP2A	Z	-61.274	36
69	MP2A	Mx	.018	36
70	MP2B	X	24.907	36
71	MP2B	Z	-43.141	36
72	MP2B	Mx	-.023	36
73	MP2C	X	30.796	36
74	MP2C	Z	-53.34	36
75	MP2C	Mx	.022	36
76	MP4A	X	96.4	12
77	MP4A	Z	-166.97	12
78	MP4A	Mx	-.037	12
79	MP4A	X	96.4	60
80	MP4A	Z	-166.97	60
81	MP4A	Mx	-.037	60
82	MP4B	X	67.811	12
83	MP4B	Z	-117.453	12
84	MP4B	Mx	.098	12
85	MP4B	X	67.811	60
86	MP4B	Z	-117.453	60
87	MP4B	Mx	.098	60
88	MP4C	X	82.106	12
89	MP4C	Z	-142.211	12
90	MP4C	Mx	-.087	12
91	MP4C	X	82.106	60
92	MP4C	Z	-142.211	60
93	MP4C	Mx	-.087	60
94	M24A	X	17.094	24
95	M24A	Z	-29.608	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	147.502	12
2	MP1A	Z	-85.16	12
3	MP1A	Mx	-.167	12
4	MP1A	X	147.502	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
5	MP1A	Z	-85.16	60
6	MP1A	Mx	-.167	60
7	MP1B	X	136.144	12
8	MP1B	Z	-78.603	12
9	MP1B	Mx	.108	12
10	MP1B	X	136.144	60
11	MP1B	Z	-78.603	60
12	MP1B	Mx	.108	60
13	MP1C	X	179.504	12
14	MP1C	Z	-103.637	12
15	MP1C	Mx	.093	12
16	MP1C	X	179.504	60
17	MP1C	Z	-103.637	60
18	MP1C	Mx	.093	60
19	MP1A	X	147.502	12
20	MP1A	Z	-85.16	12
21	MP1A	Mx	-.054	12
22	MP1A	X	147.502	60
23	MP1A	Z	-85.16	60
24	MP1A	Mx	-.054	60
25	MP1B	X	136.144	12
26	MP1B	Z	-78.603	12
27	MP1B	Mx	.127	12
28	MP1B	X	136.144	60
29	MP1B	Z	-78.603	60
30	MP1B	Mx	.127	60
31	MP1C	X	179.504	12
32	MP1C	Z	-103.637	12
33	MP1C	Mx	-.174	12
34	MP1C	X	179.504	60
35	MP1C	Z	-103.637	60
36	MP1C	Mx	-.174	60
37	MP2A	X	47.28	24
38	MP2A	Z	-27.297	24
39	MP2A	Mx	-.035	24
40	MP2A	X	47.28	48
41	MP2A	Z	-27.297	48
42	MP2A	Mx	-.035	48
43	MP2B	X	34.452	24
44	MP2B	Z	-19.891	24
45	MP2B	Mx	.03	24
46	MP2B	X	34.452	48
47	MP2B	Z	-19.891	48
48	MP2B	Mx	.03	48
49	MP2C	X	83.428	24
50	MP2C	Z	-48.167	24
51	MP2C	Mx	-.019	24
52	MP2C	X	83.428	48
53	MP2C	Z	-48.167	48
54	MP2C	Mx	-.019	48
55	OVP	X	96.022	12
56	OVP	Z	-55.438	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
57	OVP	Mx	0	12
58	MP1A	X	57.735	36
59	MP1A	Z	-33.333	36
60	MP1A	Mx	.024	36
61	MP1B	X	46.436	36
62	MP1B	Z	-26.81	36
63	MP1B	Mx	-.027	36
64	MP1C	X	67.671	36
65	MP1C	Z	-39.07	36
66	MP1C	Mx	.01	36
67	MP2A	X	45.406	36
68	MP2A	Z	-26.215	36
69	MP2A	Mx	.023	36
70	MP2B	X	37.713	36
71	MP2B	Z	-21.774	36
72	MP2B	Mx	-.022	36
73	MP2C	X	67.082	36
74	MP2C	Z	-38.73	36
75	MP2C	Mx	.01	36
76	MP4A	X	142.211	12
77	MP4A	Z	-82.106	12
78	MP4A	Mx	-.087	12
79	MP4A	X	142.211	60
80	MP4A	Z	-82.106	60
81	MP4A	Mx	-.087	60
82	MP4B	X	117.453	12
83	MP4B	Z	-67.811	12
84	MP4B	Mx	.098	12
85	MP4B	X	117.453	60
86	MP4B	Z	-67.811	60
87	MP4B	Mx	.098	60
88	MP4C	X	166.97	12
89	MP4C	Z	-96.4	12
90	MP4C	Mx	-.037	12
91	MP4C	X	166.97	60
92	MP4C	Z	-96.4	60
93	MP4C	Mx	-.037	60
94	M24A	X	23.197	24
95	M24A	Z	-13.393	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	156.794	12
2	MP1A	Z	0	12
3	MP1A	Mx	-.118	12
4	MP1A	X	156.794	60
5	MP1A	Z	0	60
6	MP1A	Mx	-.118	60
7	MP1B	X	174.594	12
8	MP1B	Z	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
9	MP1B	Mx	.041	12
10	MP1B	X	174.594	60
11	MP1B	Z	0	60
12	MP1B	Mx	.041	60
13	MP1C	X	207.274	12
14	MP1C	Z	0	12
15	MP1C	Mx	.174	12
16	MP1C	X	207.274	60
17	MP1C	Z	0	60
18	MP1C	Mx	.174	60
19	MP1A	X	156.794	12
20	MP1A	Z	0	12
21	MP1A	Mx	-.118	12
22	MP1A	X	156.794	60
23	MP1A	Z	0	60
24	MP1A	Mx	-.118	60
25	MP1B	X	174.594	12
26	MP1B	Z	0	12
27	MP1B	Mx	.174	12
28	MP1B	X	174.594	60
29	MP1B	Z	0	60
30	MP1B	Mx	.174	60
31	MP1C	X	207.274	12
32	MP1C	Z	0	12
33	MP1C	Mx	-.093	12
34	MP1C	X	207.274	60
35	MP1C	Z	0	60
36	MP1C	Mx	-.093	60
37	MP2A	X	39.317	24
38	MP2A	Z	0	24
39	MP2A	Mx	-.029	24
40	MP2A	X	39.317	48
41	MP2A	Z	0	48
42	MP2A	Mx	-.029	48
43	MP2B	X	59.422	24
44	MP2B	Z	0	24
45	MP2B	Mx	.037	24
46	MP2B	X	59.422	48
47	MP2B	Z	0	48
48	MP2B	Mx	.037	48
49	MP2C	X	96.334	24
50	MP2C	Z	0	24
51	MP2C	Mx	.019	24
52	MP2C	X	96.334	48
53	MP2C	Z	0	48
54	MP2C	Mx	.019	48
55	OVP	X	110.877	12
56	OVP	Z	0	12
57	OVP	Mx	0	12
58	MP1A	X	55.194	36
59	MP1A	Z	0	36
60	MP1A	Mx	.027	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
61	MP1B	X	62.136	36
62	MP1B	Z	0	36
63	MP1B	Mx	-.025	36
64	MP1C	X	78.14	36
65	MP1C	Z	0	36
66	MP1C	Mx	-.01	36
67	MP2A	X	43.269	36
68	MP2A	Z	0	36
69	MP2A	Mx	.022	36
70	MP2B	X	55.325	36
71	MP2B	Z	0	36
72	MP2B	Mx	-.023	36
73	MP2C	X	77.46	36
74	MP2C	Z	0	36
75	MP2C	Mx	-.01	36
76	MP4A	X	135.623	12
77	MP4A	Z	0	12
78	MP4A	Mx	-.098	12
79	MP4A	X	135.623	60
80	MP4A	Z	0	60
81	MP4A	Mx	-.098	60
82	MP4B	X	164.211	12
83	MP4B	Z	0	12
84	MP4B	Mx	.087	12
85	MP4B	X	164.211	60
86	MP4B	Z	0	60
87	MP4B	Mx	.087	60
88	MP4C	X	192.8	12
89	MP4C	Z	0	12
90	MP4C	Mx	.037	12
91	MP4C	X	192.8	60
92	MP4C	Z	0	60
93	MP4C	Mx	.037	60
94	M24A	X	26.786	24
95	M24A	Z	0	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	147.502	12
2	MP1A	Z	85.16	12
3	MP1A	Mx	-.054	12
4	MP1A	X	147.502	60
5	MP1A	Z	85.16	60
6	MP1A	Mx	-.054	60
7	MP1B	X	174.274	12
8	MP1B	Z	100.617	12
9	MP1B	Mx	-.058	12
10	MP1B	X	174.274	60
11	MP1B	Z	100.617	60
12	MP1B	Mx	-.058	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
13	MP1C	X	159.215	12
14	MP1C	Z	91.923	12
15	MP1C	Mx	.184	12
16	MP1C	X	159.215	60
17	MP1C	Z	91.923	60
18	MP1C	Mx	.184	60
19	MP1A	X	147.502	12
20	MP1A	Z	85.16	12
21	MP1A	Mx	-.167	12
22	MP1A	X	147.502	60
23	MP1A	Z	85.16	60
24	MP1A	Mx	-.167	60
25	MP1B	X	174.274	12
26	MP1B	Z	100.617	12
27	MP1B	Mx	.185	12
28	MP1B	X	174.274	60
29	MP1B	Z	100.617	60
30	MP1B	Mx	.185	60
31	MP1C	X	159.215	12
32	MP1C	Z	91.923	12
33	MP1C	Mx	.011	12
34	MP1C	X	159.215	60
35	MP1C	Z	91.923	60
36	MP1C	Mx	.011	60
37	MP2A	X	47.28	24
38	MP2A	Z	27.297	24
39	MP2A	Mx	-.035	24
40	MP2A	X	47.28	48
41	MP2A	Z	27.297	48
42	MP2A	Mx	-.035	48
43	MP2B	X	77.52	24
44	MP2B	Z	44.756	24
45	MP2B	Mx	.028	24
46	MP2B	X	77.52	48
47	MP2B	Z	44.756	48
48	MP2B	Mx	.028	48
49	MP2C	X	60.511	24
50	MP2C	Z	34.936	24
51	MP2C	Mx	.037	24
52	MP2C	X	60.511	48
53	MP2C	Z	34.936	48
54	MP2C	Mx	.037	48
55	OVP	X	116.556	12
56	OVP	Z	67.294	12
57	OVP	Mx	0	12
58	MP1A	X	47.799	36
59	MP1A	Z	27.597	36
60	MP1A	Mx	.027	36
61	MP1B	X	65.11	36
62	MP1B	Z	37.591	36
63	MP1B	Mx	-.016	36
64	MP1C	X	57.735	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
65	MP1C	Z	33.333	36
66	MP1C	Mx	-.024	36
67	MP2A	X	45.406	36
68	MP2A	Z	26.215	36
69	MP2A	Mx	.023	36
70	MP2B	X	63.54	36
71	MP2B	Z	36.685	36
72	MP2B	Mx	-.016	36
73	MP2C	X	53.34	36
74	MP2C	Z	30.796	36
75	MP2C	Mx	-.022	36
76	MP4A	X	117.453	12
77	MP4A	Z	67.811	12
78	MP4A	Mx	-.098	12
79	MP4A	X	117.453	60
80	MP4A	Z	67.811	60
81	MP4A	Mx	-.098	60
82	MP4B	X	166.97	12
83	MP4B	Z	96.4	12
84	MP4B	Mx	.037	12
85	MP4B	X	166.97	60
86	MP4B	Z	96.4	60
87	MP4B	Mx	.037	60
88	MP4C	X	142.211	12
89	MP4C	Z	82.106	12
90	MP4C	Mx	.087	12
91	MP4C	X	142.211	60
92	MP4C	Z	82.106	60
93	MP4C	Mx	.087	60
94	M24A	X	29.608	24
95	M24A	Z	17.094	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	98.686	12
2	MP1A	Z	170.929	12
3	MP1A	Mx	.04	12
4	MP1A	X	98.686	60
5	MP1A	Z	170.929	60
6	MP1A	Mx	.04	60
7	MP1B	X	105.243	12
8	MP1B	Z	182.287	12
9	MP1B	Mx	-.154	12
10	MP1B	X	105.243	60
11	MP1B	Z	182.287	60
12	MP1B	Mx	-.154	60
13	MP1C	X	80.209	12
14	MP1C	Z	138.927	12
15	MP1C	Mx	.144	12
16	MP1C	X	80.209	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
17	MP1C	Z	138.927	60
18	MP1C	Mx	.144	60
19	MP1A	X	98.686	12
20	MP1A	Z	170.929	12
21	MP1A	Mx	-.188	12
22	MP1A	X	98.686	60
23	MP1A	Z	170.929	60
24	MP1A	Mx	-.188	60
25	MP1B	X	105.243	12
26	MP1B	Z	182.287	12
27	MP1B	Mx	.126	12
28	MP1B	X	105.243	60
29	MP1B	Z	182.287	60
30	MP1B	Mx	.126	60
31	MP1C	X	80.209	12
32	MP1C	Z	138.927	12
33	MP1C	Mx	.089	12
34	MP1C	X	80.209	60
35	MP1C	Z	138.927	60
36	MP1C	Mx	.089	60
37	MP2A	X	42.575	24
38	MP2A	Z	73.742	24
39	MP2A	Mx	-.032	24
40	MP2A	X	42.575	48
41	MP2A	Z	73.742	48
42	MP2A	Mx	-.032	48
43	MP2B	X	49.982	24
44	MP2B	Z	86.571	24
45	MP2B	Mx	-.007	24
46	MP2B	X	49.982	48
47	MP2B	Z	86.571	48
48	MP2B	Mx	-.007	48
49	MP2C	X	21.705	24
50	MP2C	Z	37.595	24
51	MP2C	Mx	.031	24
52	MP2C	X	21.705	48
53	MP2C	Z	37.595	48
54	MP2C	Mx	.031	48
55	OVP	X	79.149	12
56	OVP	Z	137.09	12
57	OVP	Mx	0	12
58	MP1A	X	33.333	36
59	MP1A	Z	57.735	36
60	MP1A	Mx	.024	36
61	MP1B	X	39.857	36
62	MP1B	Z	69.034	36
63	MP1B	Mx	.003	36
64	MP1C	X	27.597	36
65	MP1C	Z	47.799	36
66	MP1C	Mx	-.027	36
67	MP2A	X	35.377	36
68	MP2A	Z	61.274	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
69	MP2A	Mx	.018	36
70	MP2B	X	39.818	36
71	MP2B	Z	68.967	36
72	MP2B	Mx	.003	36
73	MP2C	X	22.862	36
74	MP2C	Z	39.598	36
75	MP2C	Mx	-.022	36
76	MP4A	X	82.106	12
77	MP4A	Z	142.211	12
78	MP4A	Mx	-.087	12
79	MP4A	X	82.106	60
80	MP4A	Z	142.211	60
81	MP4A	Mx	-.087	60
82	MP4B	X	96.4	12
83	MP4B	Z	166.97	12
84	MP4B	Mx	-.037	12
85	MP4B	X	96.4	60
86	MP4B	Z	166.97	60
87	MP4B	Mx	-.037	60
88	MP4C	X	67.811	12
89	MP4C	Z	117.453	12
90	MP4C	Mx	.098	12
91	MP4C	X	67.811	60
92	MP4C	Z	117.453	60
93	MP4C	Mx	.098	60
94	M24A	X	20.795	24
95	M24A	Z	36.018	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	12
2	MP1A	Z	210.898	12
3	MP1A	Mx	.141	12
4	MP1A	X	0	60
5	MP1A	Z	210.898	60
6	MP1A	Mx	.141	60
7	MP1B	X	0	12
8	MP1B	Z	193.098	12
9	MP1B	Mx	-.189	12
10	MP1B	X	0	60
11	MP1B	Z	193.098	60
12	MP1B	Mx	-.189	60
13	MP1C	X	0	12
14	MP1C	Z	160.419	12
15	MP1C	Mx	.089	12
16	MP1C	X	0	60
17	MP1C	Z	160.419	60
18	MP1C	Mx	.089	60
19	MP1A	X	0	12
20	MP1A	Z	210.898	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	MP1A	Mx	-.141	12
22	MP1A	X	0	60
23	MP1A	Z	210.898	60
24	MP1A	Mx	-.141	60
25	MP1B	X	0	12
26	MP1B	Z	193.098	12
27	MP1B	Mx	.022	12
28	MP1B	X	0	60
29	MP1B	Z	193.098	60
30	MP1B	Mx	.022	60
31	MP1C	X	0	12
32	MP1C	Z	160.419	12
33	MP1C	Mx	.144	12
34	MP1C	X	0	60
35	MP1C	Z	160.419	60
36	MP1C	Mx	.144	60
37	MP2A	X	0	24
38	MP2A	Z	100.428	24
39	MP2A	Mx	0	24
40	MP2A	X	0	48
41	MP2A	Z	100.428	48
42	MP2A	Mx	0	48
43	MP2B	X	0	24
44	MP2B	Z	80.323	24
45	MP2B	Mx	-.035	24
46	MP2B	X	0	48
47	MP2B	Z	80.323	48
48	MP2B	Mx	-.035	48
49	MP2C	X	0	24
50	MP2C	Z	43.411	24
51	MP2C	Mx	.031	24
52	MP2C	X	0	48
53	MP2C	Z	43.411	48
54	MP2C	Mx	.031	48
55	OVP	X	0	12
56	OVP	Z	158.298	12
57	OVP	Mx	0	12
58	MP1A	X	0	36
59	MP1A	Z	78.14	36
60	MP1A	Mx	.01	36
61	MP1B	X	0	36
62	MP1B	Z	71.198	36
63	MP1B	Mx	.02	36
64	MP1C	X	0	36
65	MP1C	Z	55.194	36
66	MP1C	Mx	-.027	36
67	MP2A	X	0	36
68	MP2A	Z	79.915	36
69	MP2A	Mx	0	36
70	MP2B	X	0	36
71	MP2B	Z	67.859	36
72	MP2B	Mx	.019	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
73	MP2C	X	0	36
74	MP2C	Z	45.724	36
75	MP2C	Mx	-.022	36
76	MP4A	X	0	12
77	MP4A	Z	192.8	12
78	MP4A	Mx	-.037	12
79	MP4A	X	0	60
80	MP4A	Z	192.8	60
81	MP4A	Mx	-.037	60
82	MP4B	X	0	12
83	MP4B	Z	164.211	12
84	MP4B	Mx	-.087	12
85	MP4B	X	0	60
86	MP4B	Z	164.211	60
87	MP4B	Mx	-.087	60
88	MP4C	X	0	12
89	MP4C	Z	135.623	12
90	MP4C	Mx	.098	12
91	MP4C	X	0	60
92	MP4C	Z	135.623	60
93	MP4C	Mx	.098	60
94	M24A	X	0	24
95	M24A	Z	41.59	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-98.686	12
2	MP1A	Z	170.929	12
3	MP1A	Mx	.188	12
4	MP1A	X	-98.686	60
5	MP1A	Z	170.929	60
6	MP1A	Mx	.188	60
7	MP1B	X	-83.229	12
8	MP1B	Z	144.156	12
9	MP1B	Mx	-.16	12
10	MP1B	X	-83.229	60
11	MP1B	Z	144.156	60
12	MP1B	Mx	-.16	60
13	MP1C	X	-91.923	12
14	MP1C	Z	159.215	12
15	MP1C	Mx	.011	12
16	MP1C	X	-91.923	60
17	MP1C	Z	159.215	60
18	MP1C	Mx	.011	60
19	MP1A	X	-98.686	12
20	MP1A	Z	170.929	12
21	MP1A	Mx	-.04	12
22	MP1A	X	-98.686	60
23	MP1A	Z	170.929	60
24	MP1A	Mx	-.04	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP1B	X	-83.229	12
26	MP1B	Z	144.156	12
27	MP1B	Mx	-.066	12
28	MP1B	X	-83.229	60
29	MP1B	Z	144.156	60
30	MP1B	Mx	-.066	60
31	MP1C	X	-91.923	12
32	MP1C	Z	159.215	12
33	MP1C	Mx	.184	12
34	MP1C	X	-91.923	60
35	MP1C	Z	159.215	60
36	MP1C	Mx	.184	60
37	MP2A	X	-42.575	24
38	MP2A	Z	73.742	24
39	MP2A	Mx	.032	24
40	MP2A	X	-42.575	48
41	MP2A	Z	73.742	48
42	MP2A	Mx	.032	48
43	MP2B	X	-25.116	24
44	MP2B	Z	43.502	24
45	MP2B	Mx	-.034	24
46	MP2B	X	-25.116	48
47	MP2B	Z	43.502	48
48	MP2B	Mx	-.034	48
49	MP2C	X	-34.936	24
50	MP2C	Z	60.511	24
51	MP2C	Mx	.037	24
52	MP2C	X	-34.936	48
53	MP2C	Z	60.511	48
54	MP2C	Mx	.037	48
55	OVP	X	-67.294	12
56	OVP	Z	116.556	12
57	OVP	Mx	0	12
58	MP1A	X	-39.07	36
59	MP1A	Z	67.671	36
60	MP1A	Mx	-.01	36
61	MP1B	X	-29.076	36
62	MP1B	Z	50.36	36
63	MP1B	Mx	.026	36
64	MP1C	X	-33.333	36
65	MP1C	Z	57.735	36
66	MP1C	Mx	-.024	36
67	MP2A	X	-35.377	36
68	MP2A	Z	61.274	36
69	MP2A	Mx	-.018	36
70	MP2B	X	-24.907	36
71	MP2B	Z	43.141	36
72	MP2B	Mx	.023	36
73	MP2C	X	-30.796	36
74	MP2C	Z	53.34	36
75	MP2C	Mx	-.022	36
76	MP4A	X	-96.4	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
77	MP4A	Z	166.97	12
78	MP4A	Mx	.037	12
79	MP4A	X	-96.4	60
80	MP4A	Z	166.97	60
81	MP4A	Mx	.037	60
82	MP4B	X	-67.811	12
83	MP4B	Z	117.453	12
84	MP4B	Mx	-.098	12
85	MP4B	X	-67.811	60
86	MP4B	Z	117.453	60
87	MP4B	Mx	-.098	60
88	MP4C	X	-82.106	12
89	MP4C	Z	142.211	12
90	MP4C	Mx	.087	12
91	MP4C	X	-82.106	60
92	MP4C	Z	142.211	60
93	MP4C	Mx	.087	60
94	M24A	X	-17.094	24
95	M24A	Z	29.608	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-147.502	12
2	MP1A	Z	85.16	12
3	MP1A	Mx	.167	12
4	MP1A	X	-147.502	60
5	MP1A	Z	85.16	60
6	MP1A	Mx	.167	60
7	MP1B	X	-136.144	12
8	MP1B	Z	78.603	12
9	MP1B	Mx	-.108	12
10	MP1B	X	-136.144	60
11	MP1B	Z	78.603	60
12	MP1B	Mx	-.108	60
13	MP1C	X	-179.504	12
14	MP1C	Z	103.637	12
15	MP1C	Mx	-.093	12
16	MP1C	X	-179.504	60
17	MP1C	Z	103.637	60
18	MP1C	Mx	-.093	60
19	MP1A	X	-147.502	12
20	MP1A	Z	85.16	12
21	MP1A	Mx	.054	12
22	MP1A	X	-147.502	60
23	MP1A	Z	85.16	60
24	MP1A	Mx	.054	60
25	MP1B	X	-136.144	12
26	MP1B	Z	78.603	12
27	MP1B	Mx	-.127	12
28	MP1B	X	-136.144	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
29	MP1B	Z	78.603	60
30	MP1B	Mx	-.127	60
31	MP1C	X	-179.504	12
32	MP1C	Z	103.637	12
33	MP1C	Mx	.174	12
34	MP1C	X	-179.504	60
35	MP1C	Z	103.637	60
36	MP1C	Mx	.174	60
37	MP2A	X	-47.28	24
38	MP2A	Z	27.297	24
39	MP2A	Mx	.035	24
40	MP2A	X	-47.28	48
41	MP2A	Z	27.297	48
42	MP2A	Mx	.035	48
43	MP2B	X	-34.452	24
44	MP2B	Z	19.891	24
45	MP2B	Mx	-.03	24
46	MP2B	X	-34.452	48
47	MP2B	Z	19.891	48
48	MP2B	Mx	-.03	48
49	MP2C	X	-83.428	24
50	MP2C	Z	48.167	24
51	MP2C	Mx	.019	24
52	MP2C	X	-83.428	48
53	MP2C	Z	48.167	48
54	MP2C	Mx	.019	48
55	OVP	X	-96.022	12
56	OVP	Z	55.438	12
57	OVP	Mx	0	12
58	MP1A	X	-57.735	36
59	MP1A	Z	33.333	36
60	MP1A	Mx	-.024	36
61	MP1B	X	-46.436	36
62	MP1B	Z	26.81	36
63	MP1B	Mx	.027	36
64	MP1C	X	-67.671	36
65	MP1C	Z	39.07	36
66	MP1C	Mx	-.01	36
67	MP2A	X	-45.406	36
68	MP2A	Z	26.215	36
69	MP2A	Mx	-.023	36
70	MP2B	X	-37.713	36
71	MP2B	Z	21.774	36
72	MP2B	Mx	.022	36
73	MP2C	X	-67.082	36
74	MP2C	Z	38.73	36
75	MP2C	Mx	-.01	36
76	MP4A	X	-142.211	12
77	MP4A	Z	82.106	12
78	MP4A	Mx	.087	12
79	MP4A	X	-142.211	60
80	MP4A	Z	82.106	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
81	MP4A	Mx	.087	60
82	MP4B	X	-117.453	12
83	MP4B	Z	67.811	12
84	MP4B	Mx	-.098	12
85	MP4B	X	-117.453	60
86	MP4B	Z	67.811	60
87	MP4B	Mx	-.098	60
88	MP4C	X	-166.97	12
89	MP4C	Z	96.4	12
90	MP4C	Mx	.037	12
91	MP4C	X	-166.97	60
92	MP4C	Z	96.4	60
93	MP4C	Mx	.037	60
94	M24A	X	-23.197	24
95	M24A	Z	13.393	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-156.794	12
2	MP1A	Z	0	12
3	MP1A	Mx	.118	12
4	MP1A	X	-156.794	60
5	MP1A	Z	0	60
6	MP1A	Mx	.118	60
7	MP1B	X	-174.594	12
8	MP1B	Z	0	12
9	MP1B	Mx	-.041	12
10	MP1B	X	-174.594	60
11	MP1B	Z	0	60
12	MP1B	Mx	-.041	60
13	MP1C	X	-207.274	12
14	MP1C	Z	0	12
15	MP1C	Mx	-.174	12
16	MP1C	X	-207.274	60
17	MP1C	Z	0	60
18	MP1C	Mx	-.174	60
19	MP1A	X	-156.794	12
20	MP1A	Z	0	12
21	MP1A	Mx	.118	12
22	MP1A	X	-156.794	60
23	MP1A	Z	0	60
24	MP1A	Mx	.118	60
25	MP1B	X	-174.594	12
26	MP1B	Z	0	12
27	MP1B	Mx	-.174	12
28	MP1B	X	-174.594	60
29	MP1B	Z	0	60
30	MP1B	Mx	-.174	60
31	MP1C	X	-207.274	12
32	MP1C	Z	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	MP1C	Mx	.093	12
34	MP1C	X	-207.274	60
35	MP1C	Z	0	60
36	MP1C	Mx	.093	60
37	MP2A	X	-39.317	24
38	MP2A	Z	0	24
39	MP2A	Mx	.029	24
40	MP2A	X	-39.317	48
41	MP2A	Z	0	48
42	MP2A	Mx	.029	48
43	MP2B	X	-59.422	24
44	MP2B	Z	0	24
45	MP2B	Mx	-.037	24
46	MP2B	X	-59.422	48
47	MP2B	Z	0	48
48	MP2B	Mx	-.037	48
49	MP2C	X	-96.334	24
50	MP2C	Z	0	24
51	MP2C	Mx	-.019	24
52	MP2C	X	-96.334	48
53	MP2C	Z	0	48
54	MP2C	Mx	-.019	48
55	OVP	X	-110.877	12
56	OVP	Z	0	12
57	OVP	Mx	0	12
58	MP1A	X	-55.194	36
59	MP1A	Z	0	36
60	MP1A	Mx	-.027	36
61	MP1B	X	-62.136	36
62	MP1B	Z	0	36
63	MP1B	Mx	.025	36
64	MP1C	X	-78.14	36
65	MP1C	Z	0	36
66	MP1C	Mx	.01	36
67	MP2A	X	-43.269	36
68	MP2A	Z	0	36
69	MP2A	Mx	-.022	36
70	MP2B	X	-55.325	36
71	MP2B	Z	0	36
72	MP2B	Mx	.023	36
73	MP2C	X	-77.46	36
74	MP2C	Z	0	36
75	MP2C	Mx	.01	36
76	MP4A	X	-135.623	12
77	MP4A	Z	0	12
78	MP4A	Mx	.098	12
79	MP4A	X	-135.623	60
80	MP4A	Z	0	60
81	MP4A	Mx	.098	60
82	MP4B	X	-164.211	12
83	MP4B	Z	0	12
84	MP4B	Mx	-.087	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
85	MP4B	X	-164.211	60
86	MP4B	Z	0	60
87	MP4B	Mx	-.087	60
88	MP4C	X	-192.8	12
89	MP4C	Z	0	12
90	MP4C	Mx	-.037	12
91	MP4C	X	-192.8	60
92	MP4C	Z	0	60
93	MP4C	Mx	-.037	60
94	M24A	X	-26.786	24
95	M24A	Z	0	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-147.502	12
2	MP1A	Z	-85.16	12
3	MP1A	Mx	.054	12
4	MP1A	X	-147.502	60
5	MP1A	Z	-85.16	60
6	MP1A	Mx	.054	60
7	MP1B	X	-174.274	12
8	MP1B	Z	-100.617	12
9	MP1B	Mx	.058	12
10	MP1B	X	-174.274	60
11	MP1B	Z	-100.617	60
12	MP1B	Mx	.058	60
13	MP1C	X	-159.215	12
14	MP1C	Z	-91.923	12
15	MP1C	Mx	-.184	12
16	MP1C	X	-159.215	60
17	MP1C	Z	-91.923	60
18	MP1C	Mx	-.184	60
19	MP1A	X	-147.502	12
20	MP1A	Z	-85.16	12
21	MP1A	Mx	.167	12
22	MP1A	X	-147.502	60
23	MP1A	Z	-85.16	60
24	MP1A	Mx	.167	60
25	MP1B	X	-174.274	12
26	MP1B	Z	-100.617	12
27	MP1B	Mx	-.185	12
28	MP1B	X	-174.274	60
29	MP1B	Z	-100.617	60
30	MP1B	Mx	-.185	60
31	MP1C	X	-159.215	12
32	MP1C	Z	-91.923	12
33	MP1C	Mx	-.011	12
34	MP1C	X	-159.215	60
35	MP1C	Z	-91.923	60
36	MP1C	Mx	-.011	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
37	MP2A	X	-47.28	24
38	MP2A	Z	-27.297	24
39	MP2A	Mx	.035	24
40	MP2A	X	-47.28	48
41	MP2A	Z	-27.297	48
42	MP2A	Mx	.035	48
43	MP2B	X	-77.52	24
44	MP2B	Z	-44.756	24
45	MP2B	Mx	-.028	24
46	MP2B	X	-77.52	48
47	MP2B	Z	-44.756	48
48	MP2B	Mx	-.028	48
49	MP2C	X	-60.511	24
50	MP2C	Z	-34.936	24
51	MP2C	Mx	-.037	24
52	MP2C	X	-60.511	48
53	MP2C	Z	-34.936	48
54	MP2C	Mx	-.037	48
55	OVP	X	-116.556	12
56	OVP	Z	-67.294	12
57	OVP	Mx	0	12
58	MP1A	X	-47.799	36
59	MP1A	Z	-27.597	36
60	MP1A	Mx	-.027	36
61	MP1B	X	-65.11	36
62	MP1B	Z	-37.591	36
63	MP1B	Mx	.016	36
64	MP1C	X	-57.735	36
65	MP1C	Z	-33.333	36
66	MP1C	Mx	.024	36
67	MP2A	X	-45.406	36
68	MP2A	Z	-26.215	36
69	MP2A	Mx	-.023	36
70	MP2B	X	-63.54	36
71	MP2B	Z	-36.685	36
72	MP2B	Mx	.016	36
73	MP2C	X	-53.34	36
74	MP2C	Z	-30.796	36
75	MP2C	Mx	.022	36
76	MP4A	X	-117.453	12
77	MP4A	Z	-67.811	12
78	MP4A	Mx	.098	12
79	MP4A	X	-117.453	60
80	MP4A	Z	-67.811	60
81	MP4A	Mx	.098	60
82	MP4B	X	-166.97	12
83	MP4B	Z	-96.4	12
84	MP4B	Mx	-.037	12
85	MP4B	X	-166.97	60
86	MP4B	Z	-96.4	60
87	MP4B	Mx	-.037	60
88	MP4C	X	-142.211	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
89	MP4C	Z	-82.106	12
90	MP4C	Mx	-.087	12
91	MP4C	X	-142.211	60
92	MP4C	Z	-82.106	60
93	MP4C	Mx	-.087	60
94	M24A	X	-29.608	24
95	M24A	Z	-17.094	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-98.686	12
2	MP1A	Z	-170.929	12
3	MP1A	Mx	-.04	12
4	MP1A	X	-98.686	60
5	MP1A	Z	-170.929	60
6	MP1A	Mx	-.04	60
7	MP1B	X	-105.243	12
8	MP1B	Z	-182.287	12
9	MP1B	Mx	.154	12
10	MP1B	X	-105.243	60
11	MP1B	Z	-182.287	60
12	MP1B	Mx	.154	60
13	MP1C	X	-80.209	12
14	MP1C	Z	-138.927	12
15	MP1C	Mx	-.144	12
16	MP1C	X	-80.209	60
17	MP1C	Z	-138.927	60
18	MP1C	Mx	-.144	60
19	MP1A	X	-98.686	12
20	MP1A	Z	-170.929	12
21	MP1A	Mx	.188	12
22	MP1A	X	-98.686	60
23	MP1A	Z	-170.929	60
24	MP1A	Mx	.188	60
25	MP1B	X	-105.243	12
26	MP1B	Z	-182.287	12
27	MP1B	Mx	-.126	12
28	MP1B	X	-105.243	60
29	MP1B	Z	-182.287	60
30	MP1B	Mx	-.126	60
31	MP1C	X	-80.209	12
32	MP1C	Z	-138.927	12
33	MP1C	Mx	-.089	12
34	MP1C	X	-80.209	60
35	MP1C	Z	-138.927	60
36	MP1C	Mx	-.089	60
37	MP2A	X	-42.575	24
38	MP2A	Z	-73.742	24
39	MP2A	Mx	.032	24
40	MP2A	X	-42.575	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	MP2A	Z	-73.742	48
42	MP2A	Mx	.032	48
43	MP2B	X	-49.982	24
44	MP2B	Z	-86.571	24
45	MP2B	Mx	.007	24
46	MP2B	X	-49.982	48
47	MP2B	Z	-86.571	48
48	MP2B	Mx	.007	48
49	MP2C	X	-21.705	24
50	MP2C	Z	-37.595	24
51	MP2C	Mx	-.031	24
52	MP2C	X	-21.705	48
53	MP2C	Z	-37.595	48
54	MP2C	Mx	-.031	48
55	OVP	X	-79.149	12
56	OVP	Z	-137.09	12
57	OVP	Mx	0	12
58	MP1A	X	-33.333	36
59	MP1A	Z	-57.735	36
60	MP1A	Mx	-.024	36
61	MP1B	X	-39.857	36
62	MP1B	Z	-69.034	36
63	MP1B	Mx	-.003	36
64	MP1C	X	-27.597	36
65	MP1C	Z	-47.799	36
66	MP1C	Mx	.027	36
67	MP2A	X	-35.377	36
68	MP2A	Z	-61.274	36
69	MP2A	Mx	-.018	36
70	MP2B	X	-39.818	36
71	MP2B	Z	-68.967	36
72	MP2B	Mx	-.003	36
73	MP2C	X	-22.862	36
74	MP2C	Z	-39.598	36
75	MP2C	Mx	.022	36
76	MP4A	X	-82.106	12
77	MP4A	Z	-142.211	12
78	MP4A	Mx	.087	12
79	MP4A	X	-82.106	60
80	MP4A	Z	-142.211	60
81	MP4A	Mx	.087	60
82	MP4B	X	-96.4	12
83	MP4B	Z	-166.97	12
84	MP4B	Mx	.037	12
85	MP4B	X	-96.4	60
86	MP4B	Z	-166.97	60
87	MP4B	Mx	.037	60
88	MP4C	X	-67.811	12
89	MP4C	Z	-117.453	12
90	MP4C	Mx	-.098	12
91	MP4C	X	-67.811	60
92	MP4C	Z	-117.453	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
93	MP4C	Mx	-.098	60
94	M24A	X	-20.795	24
95	M24A	Z	-36.018	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	12
2	MP1A	Z	-39.968	12
3	MP1A	Mx	-.027	12
4	MP1A	X	0	60
5	MP1A	Z	-39.968	60
6	MP1A	Mx	-.027	60
7	MP1B	X	0	12
8	MP1B	Z	-36.768	12
9	MP1B	Mx	.036	12
10	MP1B	X	0	60
11	MP1B	Z	-36.768	60
12	MP1B	Mx	.036	60
13	MP1C	X	0	12
14	MP1C	Z	-30.894	12
15	MP1C	Mx	-.017	12
16	MP1C	X	0	60
17	MP1C	Z	-30.894	60
18	MP1C	Mx	-.017	60
19	MP1A	X	0	12
20	MP1A	Z	-39.968	12
21	MP1A	Mx	.027	12
22	MP1A	X	0	60
23	MP1A	Z	-39.968	60
24	MP1A	Mx	.027	60
25	MP1B	X	0	12
26	MP1B	Z	-36.768	12
27	MP1B	Mx	-.004	12
28	MP1B	X	0	60
29	MP1B	Z	-36.768	60
30	MP1B	Mx	-.004	60
31	MP1C	X	0	12
32	MP1C	Z	-30.894	12
33	MP1C	Mx	-.028	12
34	MP1C	X	0	60
35	MP1C	Z	-30.894	60
36	MP1C	Mx	-.028	60
37	MP2A	X	0	24
38	MP2A	Z	-19.725	24
39	MP2A	Mx	0	24
40	MP2A	X	0	48
41	MP2A	Z	-19.725	48
42	MP2A	Mx	0	48
43	MP2B	X	0	24
44	MP2B	Z	-16.002	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
45	MP2B	Mx	.007	24
46	MP2B	X	0	48
47	MP2B	Z	-16.002	48
48	MP2B	Mx	.007	48
49	MP2C	X	0	24
50	MP2C	Z	-9.168	24
51	MP2C	Mx	-.007	24
52	MP2C	X	0	48
53	MP2C	Z	-9.168	48
54	MP2C	Mx	-.007	48
55	OVP	X	0	12
56	OVP	Z	-31.33	12
57	OVP	Mx	0	12
58	MP1A	X	0	36
59	MP1A	Z	-16.296	36
60	MP1A	Mx	-.002	36
61	MP1B	X	0	36
62	MP1B	Z	-14.971	36
63	MP1B	Mx	-.004	36
64	MP1C	X	0	36
65	MP1C	Z	-11.916	36
66	MP1C	Mx	.006	36
67	MP2A	X	0	36
68	MP2A	Z	-16.635	36
69	MP2A	Mx	0	36
70	MP2B	X	0	36
71	MP2B	Z	-14.339	36
72	MP2B	Mx	-.004	36
73	MP2C	X	0	36
74	MP2C	Z	-10.122	36
75	MP2C	Mx	.005	36
76	MP4A	X	0	12
77	MP4A	Z	-36.939	12
78	MP4A	Mx	.007	12
79	MP4A	X	0	60
80	MP4A	Z	-36.939	60
81	MP4A	Mx	.007	60
82	MP4B	X	0	12
83	MP4B	Z	-31.894	12
84	MP4B	Mx	.017	12
85	MP4B	X	0	60
86	MP4B	Z	-31.894	60
87	MP4B	Mx	.017	60
88	MP4C	X	0	12
89	MP4C	Z	-26.849	12
90	MP4C	Mx	-.019	12
91	MP4C	X	0	60
92	MP4C	Z	-26.849	60
93	MP4C	Mx	-.019	60
94	M24A	X	0	24
95	M24A	Z	-8.477	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	18.768	12
2	MP1A	Z	-32.507	12
3	MP1A	Mx	-.036	12
4	MP1A	X	18.768	60
5	MP1A	Z	-32.507	60
6	MP1A	Mx	-.036	60
7	MP1B	X	15.99	12
8	MP1B	Z	-27.695	12
9	MP1B	Mx	.031	12
10	MP1B	X	15.99	60
11	MP1B	Z	-27.695	60
12	MP1B	Mx	.031	60
13	MP1C	X	17.552	12
14	MP1C	Z	-30.402	12
15	MP1C	Mx	-.002	12
16	MP1C	X	17.552	60
17	MP1C	Z	-30.402	60
18	MP1C	Mx	-.002	60
19	MP1A	X	18.768	12
20	MP1A	Z	-32.507	12
21	MP1A	Mx	.008	12
22	MP1A	X	18.768	60
23	MP1A	Z	-32.507	60
24	MP1A	Mx	.008	60
25	MP1B	X	15.99	12
26	MP1B	Z	-27.695	12
27	MP1B	Mx	.013	12
28	MP1B	X	15.99	60
29	MP1B	Z	-27.695	60
30	MP1B	Mx	.013	60
31	MP1C	X	17.552	12
32	MP1C	Z	-30.402	12
33	MP1C	Mx	-.035	12
34	MP1C	X	17.552	60
35	MP1C	Z	-30.402	60
36	MP1C	Mx	-.035	60
37	MP2A	X	8.448	24
38	MP2A	Z	-14.632	24
39	MP2A	Mx	-.006	24
40	MP2A	X	8.448	48
41	MP2A	Z	-14.632	48
42	MP2A	Mx	-.006	48
43	MP2B	X	5.216	24
44	MP2B	Z	-9.034	24
45	MP2B	Mx	.007	24
46	MP2B	X	5.216	48
47	MP2B	Z	-9.034	48
48	MP2B	Mx	.007	48
49	MP2C	X	7.034	24
50	MP2C	Z	-12.183	24
51	MP2C	Mx	-.007	24
52	MP2C	X	7.034	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	-12.183	48
54	MP2C	Mx	-.007	48
55	OVP	X	13.478	12
56	OVP	Z	-23.344	12
57	OVP	Mx	0	12
58	MP1A	X	8.148	36
59	MP1A	Z	-14.113	36
60	MP1A	Mx	.002	36
61	MP1B	X	6.24	36
62	MP1B	Z	-10.808	36
63	MP1B	Mx	-.006	36
64	MP1C	X	7.053	36
65	MP1C	Z	-12.216	36
66	MP1C	Mx	.005	36
67	MP2A	X	7.445	36
68	MP2A	Z	-12.895	36
69	MP2A	Mx	.004	36
70	MP2B	X	5.451	36
71	MP2B	Z	-9.441	36
72	MP2B	Mx	-.005	36
73	MP2C	X	6.573	36
74	MP2C	Z	-11.384	36
75	MP2C	Mx	.005	36
76	MP4A	X	18.469	12
77	MP4A	Z	-31.99	12
78	MP4A	Mx	-.007	12
79	MP4A	X	18.469	60
80	MP4A	Z	-31.99	60
81	MP4A	Mx	-.007	60
82	MP4B	X	13.424	12
83	MP4B	Z	-23.252	12
84	MP4B	Mx	.019	12
85	MP4B	X	13.424	60
86	MP4B	Z	-23.252	60
87	MP4B	Mx	.019	60
88	MP4C	X	15.947	12
89	MP4C	Z	-27.621	12
90	MP4C	Mx	-.017	12
91	MP4C	X	15.947	60
92	MP4C	Z	-27.621	60
93	MP4C	Mx	-.017	60
94	M24A	X	3.702	24
95	M24A	Z	-6.412	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	28.296	12
2	MP1A	Z	-16.337	12
3	MP1A	Mx	-.032	12
4	MP1A	X	28.296	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
5	MP1A	Z	-16.337	60
6	MP1A	Mx	-.032	60
7	MP1B	X	26.255	12
8	MP1B	Z	-15.158	12
9	MP1B	Mx	.021	12
10	MP1B	X	26.255	60
11	MP1B	Z	-15.158	60
12	MP1B	Mx	.021	60
13	MP1C	X	34.049	12
14	MP1C	Z	-19.658	12
15	MP1C	Mx	.018	12
16	MP1C	X	34.049	60
17	MP1C	Z	-19.658	60
18	MP1C	Mx	.018	60
19	MP1A	X	28.296	12
20	MP1A	Z	-16.337	12
21	MP1A	Mx	-.01	12
22	MP1A	X	28.296	60
23	MP1A	Z	-16.337	60
24	MP1A	Mx	-.01	60
25	MP1B	X	26.255	12
26	MP1B	Z	-15.158	12
27	MP1B	Mx	.024	12
28	MP1B	X	26.255	60
29	MP1B	Z	-15.158	60
30	MP1B	Mx	.024	60
31	MP1C	X	34.049	12
32	MP1C	Z	-19.658	12
33	MP1C	Mx	-.033	12
34	MP1C	X	34.049	60
35	MP1C	Z	-19.658	60
36	MP1C	Mx	-.033	60
37	MP2A	X	9.733	24
38	MP2A	Z	-5.62	24
39	MP2A	Mx	-.007	24
40	MP2A	X	9.733	48
41	MP2A	Z	-5.62	48
42	MP2A	Mx	-.007	48
43	MP2B	X	7.358	24
44	MP2B	Z	-4.248	24
45	MP2B	Mx	.006	24
46	MP2B	X	7.358	48
47	MP2B	Z	-4.248	48
48	MP2B	Mx	.006	48
49	MP2C	X	16.426	24
50	MP2C	Z	-9.483	24
51	MP2C	Mx	-.004	24
52	MP2C	X	16.426	48
53	MP2C	Z	-9.483	48
54	MP2C	Mx	-.004	48
55	OVP	X	19.555	12
56	OVP	Z	-11.29	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
57	OVP	Mx	0	12
58	MP1A	X	12.216	36
59	MP1A	Z	-7.053	36
60	MP1A	Mx	.005	36
61	MP1B	X	10.059	36
62	MP1B	Z	-5.808	36
63	MP1B	Mx	-.006	36
64	MP1C	X	14.113	36
65	MP1C	Z	-8.148	36
66	MP1C	Mx	.002	36
67	MP2A	X	9.873	36
68	MP2A	Z	-5.7	36
69	MP2A	Mx	.005	36
70	MP2B	X	8.407	36
71	MP2B	Z	-4.854	36
72	MP2B	Mx	-.005	36
73	MP2C	X	14.002	36
74	MP2C	Z	-8.084	36
75	MP2C	Mx	.002	36
76	MP4A	X	27.621	12
77	MP4A	Z	-15.947	12
78	MP4A	Mx	-.017	12
79	MP4A	X	27.621	60
80	MP4A	Z	-15.947	60
81	MP4A	Mx	-.017	60
82	MP4B	X	23.252	12
83	MP4B	Z	-13.424	12
84	MP4B	Mx	.019	12
85	MP4B	X	23.252	60
86	MP4B	Z	-13.424	60
87	MP4B	Mx	.019	60
88	MP4C	X	31.99	12
89	MP4C	Z	-18.469	12
90	MP4C	Mx	-.007	12
91	MP4C	X	31.99	60
92	MP4C	Z	-18.469	60
93	MP4C	Mx	-.007	60
94	M24A	X	5.483	24
95	M24A	Z	-3.165	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	30.242	12
2	MP1A	Z	0	12
3	MP1A	Mx	-.023	12
4	MP1A	X	30.242	60
5	MP1A	Z	0	60
6	MP1A	Mx	-.023	60
7	MP1B	X	33.442	12
8	MP1B	Z	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
9	MP1B	Mx	.008	12
10	MP1B	X	33.442	60
11	MP1B	Z	0	60
12	MP1B	Mx	.008	60
13	MP1C	X	39.316	12
14	MP1C	Z	0	12
15	MP1C	Mx	.033	12
16	MP1C	X	39.316	60
17	MP1C	Z	0	60
18	MP1C	Mx	.033	60
19	MP1A	X	30.242	12
20	MP1A	Z	0	12
21	MP1A	Mx	-.023	12
22	MP1A	X	30.242	60
23	MP1A	Z	0	60
24	MP1A	Mx	-.023	60
25	MP1B	X	33.442	12
26	MP1B	Z	0	12
27	MP1B	Mx	.033	12
28	MP1B	X	33.442	60
29	MP1B	Z	0	60
30	MP1B	Mx	.033	60
31	MP1C	X	39.316	12
32	MP1C	Z	0	12
33	MP1C	Mx	-.018	12
34	MP1C	X	39.316	60
35	MP1C	Z	0	60
36	MP1C	Mx	-.018	60
37	MP2A	X	8.411	24
38	MP2A	Z	0	24
39	MP2A	Mx	-.006	24
40	MP2A	X	8.411	48
41	MP2A	Z	0	48
42	MP2A	Mx	-.006	48
43	MP2B	X	12.133	24
44	MP2B	Z	0	24
45	MP2B	Mx	.007	24
46	MP2B	X	12.133	48
47	MP2B	Z	0	48
48	MP2B	Mx	.007	48
49	MP2C	X	18.967	24
50	MP2C	Z	0	24
51	MP2C	Mx	.004	24
52	MP2C	X	18.967	48
53	MP2C	Z	0	48
54	MP2C	Mx	.004	48
55	OVP	X	22.58	12
56	OVP	Z	0	12
57	OVP	Mx	0	12
58	MP1A	X	11.916	36
59	MP1A	Z	0	36
60	MP1A	Mx	.006	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
61	MP1B	X	13.241	36
62	MP1B	Z	0	36
63	MP1B	Mx	-.005	36
64	MP1C	X	16.296	36
65	MP1C	Z	0	36
66	MP1C	Mx	-.002	36
67	MP2A	X	9.655	36
68	MP2A	Z	0	36
69	MP2A	Mx	.005	36
70	MP2B	X	11.951	36
71	MP2B	Z	0	36
72	MP2B	Mx	-.005	36
73	MP2C	X	16.168	36
74	MP2C	Z	0	36
75	MP2C	Mx	-.002	36
76	MP4A	X	26.849	12
77	MP4A	Z	0	12
78	MP4A	Mx	-.019	12
79	MP4A	X	26.849	60
80	MP4A	Z	0	60
81	MP4A	Mx	-.019	60
82	MP4B	X	31.894	12
83	MP4B	Z	0	12
84	MP4B	Mx	.017	12
85	MP4B	X	31.894	60
86	MP4B	Z	0	60
87	MP4B	Mx	.017	60
88	MP4C	X	36.939	12
89	MP4C	Z	0	12
90	MP4C	Mx	.007	12
91	MP4C	X	36.939	60
92	MP4C	Z	0	60
93	MP4C	Mx	.007	60
94	M24A	X	6.331	24
95	M24A	Z	0	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	28.296	12
2	MP1A	Z	16.337	12
3	MP1A	Mx	-.01	12
4	MP1A	X	28.296	60
5	MP1A	Z	16.337	60
6	MP1A	Mx	-.01	60
7	MP1B	X	33.109	12
8	MP1B	Z	19.115	12
9	MP1B	Mx	-.011	12
10	MP1B	X	33.109	60
11	MP1B	Z	19.115	60
12	MP1B	Mx	-.011	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
13	MP1C	X	30.402	12
14	MP1C	Z	17.552	12
15	MP1C	Mx	.035	12
16	MP1C	X	30.402	60
17	MP1C	Z	17.552	60
18	MP1C	Mx	.035	60
19	MP1A	X	28.296	12
20	MP1A	Z	16.337	12
21	MP1A	Mx	-.032	12
22	MP1A	X	28.296	60
23	MP1A	Z	16.337	60
24	MP1A	Mx	-.032	60
25	MP1B	X	33.109	12
26	MP1B	Z	19.115	12
27	MP1B	Mx	.035	12
28	MP1B	X	33.109	60
29	MP1B	Z	19.115	60
30	MP1B	Mx	.035	60
31	MP1C	X	30.402	12
32	MP1C	Z	17.552	12
33	MP1C	Mx	.002	12
34	MP1C	X	30.402	60
35	MP1C	Z	17.552	60
36	MP1C	Mx	.002	60
37	MP2A	X	9.733	24
38	MP2A	Z	5.62	24
39	MP2A	Mx	-.007	24
40	MP2A	X	9.733	48
41	MP2A	Z	5.62	48
42	MP2A	Mx	-.007	48
43	MP2B	X	15.332	24
44	MP2B	Z	8.852	24
45	MP2B	Mx	.006	24
46	MP2B	X	15.332	48
47	MP2B	Z	8.852	48
48	MP2B	Mx	.006	48
49	MP2C	X	12.183	24
50	MP2C	Z	7.034	24
51	MP2C	Mx	.007	24
52	MP2C	X	12.183	48
53	MP2C	Z	7.034	48
54	MP2C	Mx	.007	48
55	OVP	X	23.344	12
56	OVP	Z	13.478	12
57	OVP	Mx	0	12
58	MP1A	X	10.319	36
59	MP1A	Z	5.958	36
60	MP1A	Mx	.006	36
61	MP1B	X	13.624	36
62	MP1B	Z	7.866	36
63	MP1B	Mx	-.003	36
64	MP1C	X	12.216	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
65	MP1C	Z	7.053	36
66	MP1C	Mx	-.005	36
67	MP2A	X	9.873	36
68	MP2A	Z	5.7	36
69	MP2A	Mx	.005	36
70	MP2B	X	13.327	36
71	MP2B	Z	7.694	36
72	MP2B	Mx	-.003	36
73	MP2C	X	11.384	36
74	MP2C	Z	6.573	36
75	MP2C	Mx	-.005	36
76	MP4A	X	23.252	12
77	MP4A	Z	13.424	12
78	MP4A	Mx	-.019	12
79	MP4A	X	23.252	60
80	MP4A	Z	13.424	60
81	MP4A	Mx	-.019	60
82	MP4B	X	31.99	12
83	MP4B	Z	18.469	12
84	MP4B	Mx	.007	12
85	MP4B	X	31.99	60
86	MP4B	Z	18.469	60
87	MP4B	Mx	.007	60
88	MP4C	X	27.621	12
89	MP4C	Z	15.947	12
90	MP4C	Mx	.017	12
91	MP4C	X	27.621	60
92	MP4C	Z	15.947	60
93	MP4C	Mx	.017	60
94	M24A	X	6.412	24
95	M24A	Z	3.702	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	18.768	12
2	MP1A	Z	32.507	12
3	MP1A	Mx	.008	12
4	MP1A	X	18.768	60
5	MP1A	Z	32.507	60
6	MP1A	Mx	.008	60
7	MP1B	X	19.947	12
8	MP1B	Z	34.549	12
9	MP1B	Mx	-.029	12
10	MP1B	X	19.947	60
11	MP1B	Z	34.549	60
12	MP1B	Mx	-.029	60
13	MP1C	X	15.447	12
14	MP1C	Z	26.755	12
15	MP1C	Mx	.028	12
16	MP1C	X	15.447	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
17	MP1C	Z	26.755	60
18	MP1C	Mx	.028	60
19	MP1A	X	18.768	12
20	MP1A	Z	32.507	12
21	MP1A	Mx	-.036	12
22	MP1A	X	18.768	60
23	MP1A	Z	32.507	60
24	MP1A	Mx	-.036	60
25	MP1B	X	19.947	12
26	MP1B	Z	34.549	12
27	MP1B	Mx	.024	12
28	MP1B	X	19.947	60
29	MP1B	Z	34.549	60
30	MP1B	Mx	.024	60
31	MP1C	X	15.447	12
32	MP1C	Z	26.755	12
33	MP1C	Mx	.017	12
34	MP1C	X	15.447	60
35	MP1C	Z	26.755	60
36	MP1C	Mx	.017	60
37	MP2A	X	8.448	24
38	MP2A	Z	14.632	24
39	MP2A	Mx	-.006	24
40	MP2A	X	8.448	48
41	MP2A	Z	14.632	48
42	MP2A	Mx	-.006	48
43	MP2B	X	9.819	24
44	MP2B	Z	17.008	24
45	MP2B	Mx	-.001	24
46	MP2B	X	9.819	48
47	MP2B	Z	17.008	48
48	MP2B	Mx	-.001	48
49	MP2C	X	4.584	24
50	MP2C	Z	7.94	24
51	MP2C	Mx	.007	24
52	MP2C	X	4.584	48
53	MP2C	Z	7.94	48
54	MP2C	Mx	.007	48
55	OVP	X	15.665	12
56	OVP	Z	27.133	12
57	OVP	Mx	0	12
58	MP1A	X	7.053	36
59	MP1A	Z	12.216	36
60	MP1A	Mx	.005	36
61	MP1B	X	8.298	36
62	MP1B	Z	14.373	36
63	MP1B	Mx	.000723	36
64	MP1C	X	5.958	36
65	MP1C	Z	10.319	36
66	MP1C	Mx	-.006	36
67	MP2A	X	7.445	36
68	MP2A	Z	12.895	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
69	MP2A	Mx	.004	36
70	MP2B	X	8.291	36
71	MP2B	Z	14.361	36
72	MP2B	Mx	.000723	36
73	MP2C	X	5.061	36
74	MP2C	Z	8.766	36
75	MP2C	Mx	-.005	36
76	MP4A	X	15.947	12
77	MP4A	Z	27.621	12
78	MP4A	Mx	-.017	12
79	MP4A	X	15.947	60
80	MP4A	Z	27.621	60
81	MP4A	Mx	-.017	60
82	MP4B	X	18.469	12
83	MP4B	Z	31.99	12
84	MP4B	Mx	-.007	12
85	MP4B	X	18.469	60
86	MP4B	Z	31.99	60
87	MP4B	Mx	-.007	60
88	MP4C	X	13.424	12
89	MP4C	Z	23.252	12
90	MP4C	Mx	.019	12
91	MP4C	X	13.424	60
92	MP4C	Z	23.252	60
93	MP4C	Mx	.019	60
94	M24A	X	4.239	24
95	M24A	Z	7.341	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	12
2	MP1A	Z	39.968	12
3	MP1A	Mx	.027	12
4	MP1A	X	0	60
5	MP1A	Z	39.968	60
6	MP1A	Mx	.027	60
7	MP1B	X	0	12
8	MP1B	Z	36.768	12
9	MP1B	Mx	-.036	12
10	MP1B	X	0	60
11	MP1B	Z	36.768	60
12	MP1B	Mx	-.036	60
13	MP1C	X	0	12
14	MP1C	Z	30.894	12
15	MP1C	Mx	.017	12
16	MP1C	X	0	60
17	MP1C	Z	30.894	60
18	MP1C	Mx	.017	60
19	MP1A	X	0	12
20	MP1A	Z	39.968	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	MP1A	Mx	-.027	12
22	MP1A	X	0	60
23	MP1A	Z	39.968	60
24	MP1A	Mx	-.027	60
25	MP1B	X	0	12
26	MP1B	Z	36.768	12
27	MP1B	Mx	.004	12
28	MP1B	X	0	60
29	MP1B	Z	36.768	60
30	MP1B	Mx	.004	60
31	MP1C	X	0	12
32	MP1C	Z	30.894	12
33	MP1C	Mx	.028	12
34	MP1C	X	0	60
35	MP1C	Z	30.894	60
36	MP1C	Mx	.028	60
37	MP2A	X	0	24
38	MP2A	Z	19.725	24
39	MP2A	Mx	0	24
40	MP2A	X	0	48
41	MP2A	Z	19.725	48
42	MP2A	Mx	0	48
43	MP2B	X	0	24
44	MP2B	Z	16.002	24
45	MP2B	Mx	-.007	24
46	MP2B	X	0	48
47	MP2B	Z	16.002	48
48	MP2B	Mx	-.007	48
49	MP2C	X	0	24
50	MP2C	Z	9.168	24
51	MP2C	Mx	.007	24
52	MP2C	X	0	48
53	MP2C	Z	9.168	48
54	MP2C	Mx	.007	48
55	OVP	X	0	12
56	OVP	Z	31.33	12
57	OVP	Mx	0	12
58	MP1A	X	0	36
59	MP1A	Z	16.296	36
60	MP1A	Mx	.002	36
61	MP1B	X	0	36
62	MP1B	Z	14.971	36
63	MP1B	Mx	.004	36
64	MP1C	X	0	36
65	MP1C	Z	11.916	36
66	MP1C	Mx	-.006	36
67	MP2A	X	0	36
68	MP2A	Z	16.635	36
69	MP2A	Mx	0	36
70	MP2B	X	0	36
71	MP2B	Z	14.339	36
72	MP2B	Mx	.004	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
73	MP2C	X	0	36
74	MP2C	Z	10.122	36
75	MP2C	Mx	-.005	36
76	MP4A	X	0	12
77	MP4A	Z	36.939	12
78	MP4A	Mx	-.007	12
79	MP4A	X	0	60
80	MP4A	Z	36.939	60
81	MP4A	Mx	-.007	60
82	MP4B	X	0	12
83	MP4B	Z	31.894	12
84	MP4B	Mx	-.017	12
85	MP4B	X	0	60
86	MP4B	Z	31.894	60
87	MP4B	Mx	-.017	60
88	MP4C	X	0	12
89	MP4C	Z	26.849	12
90	MP4C	Mx	.019	12
91	MP4C	X	0	60
92	MP4C	Z	26.849	60
93	MP4C	Mx	.019	60
94	M24A	X	0	24
95	M24A	Z	8.477	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-18.768	12
2	MP1A	Z	32.507	12
3	MP1A	Mx	.036	12
4	MP1A	X	-18.768	60
5	MP1A	Z	32.507	60
6	MP1A	Mx	.036	60
7	MP1B	X	-15.99	12
8	MP1B	Z	27.695	12
9	MP1B	Mx	-.031	12
10	MP1B	X	-15.99	60
11	MP1B	Z	27.695	60
12	MP1B	Mx	-.031	60
13	MP1C	X	-17.552	12
14	MP1C	Z	30.402	12
15	MP1C	Mx	.002	12
16	MP1C	X	-17.552	60
17	MP1C	Z	30.402	60
18	MP1C	Mx	.002	60
19	MP1A	X	-18.768	12
20	MP1A	Z	32.507	12
21	MP1A	Mx	-.008	12
22	MP1A	X	-18.768	60
23	MP1A	Z	32.507	60
24	MP1A	Mx	-.008	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP1B	X	-15.99	12
26	MP1B	Z	27.695	12
27	MP1B	Mx	-.013	12
28	MP1B	X	-15.99	60
29	MP1B	Z	27.695	60
30	MP1B	Mx	-.013	60
31	MP1C	X	-17.552	12
32	MP1C	Z	30.402	12
33	MP1C	Mx	.035	12
34	MP1C	X	-17.552	60
35	MP1C	Z	30.402	60
36	MP1C	Mx	.035	60
37	MP2A	X	-8.448	24
38	MP2A	Z	14.632	24
39	MP2A	Mx	.006	24
40	MP2A	X	-8.448	48
41	MP2A	Z	14.632	48
42	MP2A	Mx	.006	48
43	MP2B	X	-5.216	24
44	MP2B	Z	9.034	24
45	MP2B	Mx	-.007	24
46	MP2B	X	-5.216	48
47	MP2B	Z	9.034	48
48	MP2B	Mx	-.007	48
49	MP2C	X	-7.034	24
50	MP2C	Z	12.183	24
51	MP2C	Mx	.007	24
52	MP2C	X	-7.034	48
53	MP2C	Z	12.183	48
54	MP2C	Mx	.007	48
55	OVP	X	-13.478	12
56	OVP	Z	23.344	12
57	OVP	Mx	0	12
58	MP1A	X	-8.148	36
59	MP1A	Z	14.113	36
60	MP1A	Mx	-.002	36
61	MP1B	X	-6.24	36
62	MP1B	Z	10.808	36
63	MP1B	Mx	.006	36
64	MP1C	X	-7.053	36
65	MP1C	Z	12.216	36
66	MP1C	Mx	-.005	36
67	MP2A	X	-7.445	36
68	MP2A	Z	12.895	36
69	MP2A	Mx	-.004	36
70	MP2B	X	-5.451	36
71	MP2B	Z	9.441	36
72	MP2B	Mx	.005	36
73	MP2C	X	-6.573	36
74	MP2C	Z	11.384	36
75	MP2C	Mx	-.005	36
76	MP4A	X	-18.469	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
77	MP4A	Z	31.99	12
78	MP4A	Mx	.007	12
79	MP4A	X	-18.469	60
80	MP4A	Z	31.99	60
81	MP4A	Mx	.007	60
82	MP4B	X	-13.424	12
83	MP4B	Z	23.252	12
84	MP4B	Mx	-.019	12
85	MP4B	X	-13.424	60
86	MP4B	Z	23.252	60
87	MP4B	Mx	-.019	60
88	MP4C	X	-15.947	12
89	MP4C	Z	27.621	12
90	MP4C	Mx	.017	12
91	MP4C	X	-15.947	60
92	MP4C	Z	27.621	60
93	MP4C	Mx	.017	60
94	M24A	X	-3.702	24
95	M24A	Z	6.412	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-28.296	12
2	MP1A	Z	16.337	12
3	MP1A	Mx	.032	12
4	MP1A	X	-28.296	60
5	MP1A	Z	16.337	60
6	MP1A	Mx	.032	60
7	MP1B	X	-26.255	12
8	MP1B	Z	15.158	12
9	MP1B	Mx	-.021	12
10	MP1B	X	-26.255	60
11	MP1B	Z	15.158	60
12	MP1B	Mx	-.021	60
13	MP1C	X	-34.049	12
14	MP1C	Z	19.658	12
15	MP1C	Mx	-.018	12
16	MP1C	X	-34.049	60
17	MP1C	Z	19.658	60
18	MP1C	Mx	-.018	60
19	MP1A	X	-28.296	12
20	MP1A	Z	16.337	12
21	MP1A	Mx	.01	12
22	MP1A	X	-28.296	60
23	MP1A	Z	16.337	60
24	MP1A	Mx	.01	60
25	MP1B	X	-26.255	12
26	MP1B	Z	15.158	12
27	MP1B	Mx	-.024	12
28	MP1B	X	-26.255	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
29	MP1B	Z	15.158	60
30	MP1B	Mx	-.024	60
31	MP1C	X	-34.049	12
32	MP1C	Z	19.658	12
33	MP1C	Mx	.033	12
34	MP1C	X	-34.049	60
35	MP1C	Z	19.658	60
36	MP1C	Mx	.033	60
37	MP2A	X	-9.733	24
38	MP2A	Z	5.62	24
39	MP2A	Mx	.007	24
40	MP2A	X	-9.733	48
41	MP2A	Z	5.62	48
42	MP2A	Mx	.007	48
43	MP2B	X	-7.358	24
44	MP2B	Z	4.248	24
45	MP2B	Mx	-.006	24
46	MP2B	X	-7.358	48
47	MP2B	Z	4.248	48
48	MP2B	Mx	-.006	48
49	MP2C	X	-16.426	24
50	MP2C	Z	9.483	24
51	MP2C	Mx	.004	24
52	MP2C	X	-16.426	48
53	MP2C	Z	9.483	48
54	MP2C	Mx	.004	48
55	OVP	X	-19.555	12
56	OVP	Z	11.29	12
57	OVP	Mx	0	12
58	MP1A	X	-12.216	36
59	MP1A	Z	7.053	36
60	MP1A	Mx	-.005	36
61	MP1B	X	-10.059	36
62	MP1B	Z	5.808	36
63	MP1B	Mx	.006	36
64	MP1C	X	-14.113	36
65	MP1C	Z	8.148	36
66	MP1C	Mx	-.002	36
67	MP2A	X	-9.873	36
68	MP2A	Z	5.7	36
69	MP2A	Mx	-.005	36
70	MP2B	X	-8.407	36
71	MP2B	Z	4.854	36
72	MP2B	Mx	.005	36
73	MP2C	X	-14.002	36
74	MP2C	Z	8.084	36
75	MP2C	Mx	-.002	36
76	MP4A	X	-27.621	12
77	MP4A	Z	15.947	12
78	MP4A	Mx	.017	12
79	MP4A	X	-27.621	60
80	MP4A	Z	15.947	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
81	MP4A	Mx	.017	60
82	MP4B	X	-23.252	12
83	MP4B	Z	13.424	12
84	MP4B	Mx	-.019	12
85	MP4B	X	-23.252	60
86	MP4B	Z	13.424	60
87	MP4B	Mx	-.019	60
88	MP4C	X	-31.99	12
89	MP4C	Z	18.469	12
90	MP4C	Mx	.007	12
91	MP4C	X	-31.99	60
92	MP4C	Z	18.469	60
93	MP4C	Mx	.007	60
94	M24A	X	-5.483	24
95	M24A	Z	3.165	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-30.242	12
2	MP1A	Z	0	12
3	MP1A	Mx	.023	12
4	MP1A	X	-30.242	60
5	MP1A	Z	0	60
6	MP1A	Mx	.023	60
7	MP1B	X	-33.442	12
8	MP1B	Z	0	12
9	MP1B	Mx	-.008	12
10	MP1B	X	-33.442	60
11	MP1B	Z	0	60
12	MP1B	Mx	-.008	60
13	MP1C	X	-39.316	12
14	MP1C	Z	0	12
15	MP1C	Mx	-.033	12
16	MP1C	X	-39.316	60
17	MP1C	Z	0	60
18	MP1C	Mx	-.033	60
19	MP1A	X	-30.242	12
20	MP1A	Z	0	12
21	MP1A	Mx	.023	12
22	MP1A	X	-30.242	60
23	MP1A	Z	0	60
24	MP1A	Mx	.023	60
25	MP1B	X	-33.442	12
26	MP1B	Z	0	12
27	MP1B	Mx	-.033	12
28	MP1B	X	-33.442	60
29	MP1B	Z	0	60
30	MP1B	Mx	-.033	60
31	MP1C	X	-39.316	12
32	MP1C	Z	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	MP1C	Mx	.018	12
34	MP1C	X	-39.316	60
35	MP1C	Z	0	60
36	MP1C	Mx	.018	60
37	MP2A	X	-8.411	24
38	MP2A	Z	0	24
39	MP2A	Mx	.006	24
40	MP2A	X	-8.411	48
41	MP2A	Z	0	48
42	MP2A	Mx	.006	48
43	MP2B	X	-12.133	24
44	MP2B	Z	0	24
45	MP2B	Mx	-.007	24
46	MP2B	X	-12.133	48
47	MP2B	Z	0	48
48	MP2B	Mx	-.007	48
49	MP2C	X	-18.967	24
50	MP2C	Z	0	24
51	MP2C	Mx	-.004	24
52	MP2C	X	-18.967	48
53	MP2C	Z	0	48
54	MP2C	Mx	-.004	48
55	OVP	X	-22.58	12
56	OVP	Z	0	12
57	OVP	Mx	0	12
58	MP1A	X	-11.916	36
59	MP1A	Z	0	36
60	MP1A	Mx	-.006	36
61	MP1B	X	-13.241	36
62	MP1B	Z	0	36
63	MP1B	Mx	.005	36
64	MP1C	X	-16.296	36
65	MP1C	Z	0	36
66	MP1C	Mx	.002	36
67	MP2A	X	-9.655	36
68	MP2A	Z	0	36
69	MP2A	Mx	-.005	36
70	MP2B	X	-11.951	36
71	MP2B	Z	0	36
72	MP2B	Mx	.005	36
73	MP2C	X	-16.168	36
74	MP2C	Z	0	36
75	MP2C	Mx	.002	36
76	MP4A	X	-26.849	12
77	MP4A	Z	0	12
78	MP4A	Mx	.019	12
79	MP4A	X	-26.849	60
80	MP4A	Z	0	60
81	MP4A	Mx	.019	60
82	MP4B	X	-31.894	12
83	MP4B	Z	0	12
84	MP4B	Mx	-.017	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
85	MP4B	X	-31.894	60
86	MP4B	Z	0	60
87	MP4B	Mx	-.017	60
88	MP4C	X	-36.939	12
89	MP4C	Z	0	12
90	MP4C	Mx	-.007	12
91	MP4C	X	-36.939	60
92	MP4C	Z	0	60
93	MP4C	Mx	-.007	60
94	M24A	X	-6.331	24
95	M24A	Z	0	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-28.296	12
2	MP1A	Z	-16.337	12
3	MP1A	Mx	.01	12
4	MP1A	X	-28.296	60
5	MP1A	Z	-16.337	60
6	MP1A	Mx	.01	60
7	MP1B	X	-33.109	12
8	MP1B	Z	-19.115	12
9	MP1B	Mx	.011	12
10	MP1B	X	-33.109	60
11	MP1B	Z	-19.115	60
12	MP1B	Mx	.011	60
13	MP1C	X	-30.402	12
14	MP1C	Z	-17.552	12
15	MP1C	Mx	-.035	12
16	MP1C	X	-30.402	60
17	MP1C	Z	-17.552	60
18	MP1C	Mx	-.035	60
19	MP1A	X	-28.296	12
20	MP1A	Z	-16.337	12
21	MP1A	Mx	.032	12
22	MP1A	X	-28.296	60
23	MP1A	Z	-16.337	60
24	MP1A	Mx	.032	60
25	MP1B	X	-33.109	12
26	MP1B	Z	-19.115	12
27	MP1B	Mx	-.035	12
28	MP1B	X	-33.109	60
29	MP1B	Z	-19.115	60
30	MP1B	Mx	-.035	60
31	MP1C	X	-30.402	12
32	MP1C	Z	-17.552	12
33	MP1C	Mx	-.002	12
34	MP1C	X	-30.402	60
35	MP1C	Z	-17.552	60
36	MP1C	Mx	-.002	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
37	MP2A	X	-9.733	24
38	MP2A	Z	-5.62	24
39	MP2A	Mx	.007	24
40	MP2A	X	-9.733	48
41	MP2A	Z	-5.62	48
42	MP2A	Mx	.007	48
43	MP2B	X	-15.332	24
44	MP2B	Z	-8.852	24
45	MP2B	Mx	-.006	24
46	MP2B	X	-15.332	48
47	MP2B	Z	-8.852	48
48	MP2B	Mx	-.006	48
49	MP2C	X	-12.183	24
50	MP2C	Z	-7.034	24
51	MP2C	Mx	-.007	24
52	MP2C	X	-12.183	48
53	MP2C	Z	-7.034	48
54	MP2C	Mx	-.007	48
55	OVP	X	-23.344	12
56	OVP	Z	-13.478	12
57	OVP	Mx	0	12
58	MP1A	X	-10.319	36
59	MP1A	Z	-5.958	36
60	MP1A	Mx	-.006	36
61	MP1B	X	-13.624	36
62	MP1B	Z	-7.866	36
63	MP1B	Mx	.003	36
64	MP1C	X	-12.216	36
65	MP1C	Z	-7.053	36
66	MP1C	Mx	.005	36
67	MP2A	X	-9.873	36
68	MP2A	Z	-5.7	36
69	MP2A	Mx	-.005	36
70	MP2B	X	-13.327	36
71	MP2B	Z	-7.694	36
72	MP2B	Mx	.003	36
73	MP2C	X	-11.384	36
74	MP2C	Z	-6.573	36
75	MP2C	Mx	.005	36
76	MP4A	X	-23.252	12
77	MP4A	Z	-13.424	12
78	MP4A	Mx	.019	12
79	MP4A	X	-23.252	60
80	MP4A	Z	-13.424	60
81	MP4A	Mx	.019	60
82	MP4B	X	-31.99	12
83	MP4B	Z	-18.469	12
84	MP4B	Mx	-.007	12
85	MP4B	X	-31.99	60
86	MP4B	Z	-18.469	60
87	MP4B	Mx	-.007	60
88	MP4C	X	-27.621	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
89	MP4C	Z	-15.947	12
90	MP4C	Mx	-.017	12
91	MP4C	X	-27.621	60
92	MP4C	Z	-15.947	60
93	MP4C	Mx	-.017	60
94	M24A	X	-6.412	24
95	M24A	Z	-3.702	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-18.768	12
2	MP1A	Z	-32.507	12
3	MP1A	Mx	-.008	12
4	MP1A	X	-18.768	60
5	MP1A	Z	-32.507	60
6	MP1A	Mx	-.008	60
7	MP1B	X	-19.947	12
8	MP1B	Z	-34.549	12
9	MP1B	Mx	.029	12
10	MP1B	X	-19.947	60
11	MP1B	Z	-34.549	60
12	MP1B	Mx	.029	60
13	MP1C	X	-15.447	12
14	MP1C	Z	-26.755	12
15	MP1C	Mx	-.028	12
16	MP1C	X	-15.447	60
17	MP1C	Z	-26.755	60
18	MP1C	Mx	-.028	60
19	MP1A	X	-18.768	12
20	MP1A	Z	-32.507	12
21	MP1A	Mx	.036	12
22	MP1A	X	-18.768	60
23	MP1A	Z	-32.507	60
24	MP1A	Mx	.036	60
25	MP1B	X	-19.947	12
26	MP1B	Z	-34.549	12
27	MP1B	Mx	-.024	12
28	MP1B	X	-19.947	60
29	MP1B	Z	-34.549	60
30	MP1B	Mx	-.024	60
31	MP1C	X	-15.447	12
32	MP1C	Z	-26.755	12
33	MP1C	Mx	-.017	12
34	MP1C	X	-15.447	60
35	MP1C	Z	-26.755	60
36	MP1C	Mx	-.017	60
37	MP2A	X	-8.448	24
38	MP2A	Z	-14.632	24
39	MP2A	Mx	.006	24
40	MP2A	X	-8.448	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	MP2A	Z	-14.632	48
42	MP2A	Mx	.006	48
43	MP2B	X	-9.819	24
44	MP2B	Z	-17.008	24
45	MP2B	Mx	.001	24
46	MP2B	X	-9.819	48
47	MP2B	Z	-17.008	48
48	MP2B	Mx	.001	48
49	MP2C	X	-4.584	24
50	MP2C	Z	-7.94	24
51	MP2C	Mx	-.007	24
52	MP2C	X	-4.584	48
53	MP2C	Z	-7.94	48
54	MP2C	Mx	-.007	48
55	OVP	X	-15.665	12
56	OVP	Z	-27.133	12
57	OVP	Mx	0	12
58	MP1A	X	-7.053	36
59	MP1A	Z	-12.216	36
60	MP1A	Mx	-.005	36
61	MP1B	X	-8.298	36
62	MP1B	Z	-14.373	36
63	MP1B	Mx	-.000723	36
64	MP1C	X	-5.958	36
65	MP1C	Z	-10.319	36
66	MP1C	Mx	.006	36
67	MP2A	X	-7.445	36
68	MP2A	Z	-12.895	36
69	MP2A	Mx	-.004	36
70	MP2B	X	-8.291	36
71	MP2B	Z	-14.361	36
72	MP2B	Mx	-.000723	36
73	MP2C	X	-5.061	36
74	MP2C	Z	-8.766	36
75	MP2C	Mx	.005	36
76	MP4A	X	-15.947	12
77	MP4A	Z	-27.621	12
78	MP4A	Mx	.017	12
79	MP4A	X	-15.947	60
80	MP4A	Z	-27.621	60
81	MP4A	Mx	.017	60
82	MP4B	X	-18.469	12
83	MP4B	Z	-31.99	12
84	MP4B	Mx	.007	12
85	MP4B	X	-18.469	60
86	MP4B	Z	-31.99	60
87	MP4B	Mx	.007	60
88	MP4C	X	-13.424	12
89	MP4C	Z	-23.252	12
90	MP4C	Mx	-.019	12
91	MP4C	X	-13.424	60
92	MP4C	Z	-23.252	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
93	MP4C	Mx	-.019	60
94	M24A	X	-4.239	24
95	M24A	Z	-7.341	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	12
2	MP1A	Z	-13.181	12
3	MP1A	Mx	-.009	12
4	MP1A	X	0	60
5	MP1A	Z	-13.181	60
6	MP1A	Mx	-.009	60
7	MP1B	X	0	12
8	MP1B	Z	-12.069	12
9	MP1B	Mx	.012	12
10	MP1B	X	0	60
11	MP1B	Z	-12.069	60
12	MP1B	Mx	.012	60
13	MP1C	X	0	12
14	MP1C	Z	-10.026	12
15	MP1C	Mx	-.006	12
16	MP1C	X	0	60
17	MP1C	Z	-10.026	60
18	MP1C	Mx	-.006	60
19	MP1A	X	0	12
20	MP1A	Z	-13.181	12
21	MP1A	Mx	.009	12
22	MP1A	X	0	60
23	MP1A	Z	-13.181	60
24	MP1A	Mx	.009	60
25	MP1B	X	0	12
26	MP1B	Z	-12.069	12
27	MP1B	Mx	-.001	12
28	MP1B	X	0	60
29	MP1B	Z	-12.069	60
30	MP1B	Mx	-.001	60
31	MP1C	X	0	12
32	MP1C	Z	-10.026	12
33	MP1C	Mx	-.009	12
34	MP1C	X	0	60
35	MP1C	Z	-10.026	60
36	MP1C	Mx	-.009	60
37	MP2A	X	0	24
38	MP2A	Z	-6.277	24
39	MP2A	Mx	0	24
40	MP2A	X	0	48
41	MP2A	Z	-6.277	48
42	MP2A	Mx	0	48
43	MP2B	X	0	24
44	MP2B	Z	-5.02	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
45	MP2B	Mx	.002	24
46	MP2B	X	0	48
47	MP2B	Z	-5.02	48
48	MP2B	Mx	.002	48
49	MP2C	X	0	24
50	MP2C	Z	-2.713	24
51	MP2C	Mx	-.002	24
52	MP2C	X	0	48
53	MP2C	Z	-2.713	48
54	MP2C	Mx	-.002	48
55	OVP	X	0	12
56	OVP	Z	-9.894	12
57	OVP	Mx	0	12
58	MP1A	X	0	36
59	MP1A	Z	-4.884	36
60	MP1A	Mx	-.000632	36
61	MP1B	X	0	36
62	MP1B	Z	-4.45	36
63	MP1B	Mx	-.001	36
64	MP1C	X	0	36
65	MP1C	Z	-3.45	36
66	MP1C	Mx	.002	36
67	MP2A	X	0	36
68	MP2A	Z	-4.995	36
69	MP2A	Mx	0	36
70	MP2B	X	0	36
71	MP2B	Z	-4.241	36
72	MP2B	Mx	-.001	36
73	MP2C	X	0	36
74	MP2C	Z	-2.858	36
75	MP2C	Mx	.001	36
76	MP4A	X	0	12
77	MP4A	Z	-12.05	12
78	MP4A	Mx	.002	12
79	MP4A	X	0	60
80	MP4A	Z	-12.05	60
81	MP4A	Mx	.002	60
82	MP4B	X	0	12
83	MP4B	Z	-10.263	12
84	MP4B	Mx	.005	12
85	MP4B	X	0	60
86	MP4B	Z	-10.263	60
87	MP4B	Mx	.005	60
88	MP4C	X	0	12
89	MP4C	Z	-8.476	12
90	MP4C	Mx	-.006	12
91	MP4C	X	0	60
92	MP4C	Z	-8.476	60
93	MP4C	Mx	-.006	60
94	M24A	X	0	24
95	M24A	Z	-2.599	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	6.168	12
2	MP1A	Z	-10.683	12
3	MP1A	Mx	-.012	12
4	MP1A	X	6.168	60
5	MP1A	Z	-10.683	60
6	MP1A	Mx	-.012	60
7	MP1B	X	5.202	12
8	MP1B	Z	-9.01	12
9	MP1B	Mx	.01	12
10	MP1B	X	5.202	60
11	MP1B	Z	-9.01	60
12	MP1B	Mx	.01	60
13	MP1C	X	5.745	12
14	MP1C	Z	-9.951	12
15	MP1C	Mx	-.000677	12
16	MP1C	X	5.745	60
17	MP1C	Z	-9.951	60
18	MP1C	Mx	-.000677	60
19	MP1A	X	6.168	12
20	MP1A	Z	-10.683	12
21	MP1A	Mx	.002	12
22	MP1A	X	6.168	60
23	MP1A	Z	-10.683	60
24	MP1A	Mx	.002	60
25	MP1B	X	5.202	12
26	MP1B	Z	-9.01	12
27	MP1B	Mx	.004	12
28	MP1B	X	5.202	60
29	MP1B	Z	-9.01	60
30	MP1B	Mx	.004	60
31	MP1C	X	5.745	12
32	MP1C	Z	-9.951	12
33	MP1C	Mx	-.012	12
34	MP1C	X	5.745	60
35	MP1C	Z	-9.951	60
36	MP1C	Mx	-.012	60
37	MP2A	X	2.661	24
38	MP2A	Z	-4.609	24
39	MP2A	Mx	-.002	24
40	MP2A	X	2.661	48
41	MP2A	Z	-4.609	48
42	MP2A	Mx	-.002	48
43	MP2B	X	1.57	24
44	MP2B	Z	-2.719	24
45	MP2B	Mx	.002	24
46	MP2B	X	1.57	48
47	MP2B	Z	-2.719	48
48	MP2B	Mx	.002	48
49	MP2C	X	2.184	24
50	MP2C	Z	-3.782	24
51	MP2C	Mx	-.002	24
52	MP2C	X	2.184	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	-3.782	48
54	MP2C	Mx	-.002	48
55	OVP	X	4.206	12
56	OVP	Z	-7.285	12
57	OVP	Mx	0	12
58	MP1A	X	2.442	36
59	MP1A	Z	-4.229	36
60	MP1A	Mx	.000632	36
61	MP1B	X	1.817	36
62	MP1B	Z	-3.148	36
63	MP1B	Mx	-.002	36
64	MP1C	X	2.083	36
65	MP1C	Z	-3.608	36
66	MP1C	Mx	.001	36
67	MP2A	X	2.211	36
68	MP2A	Z	-3.83	36
69	MP2A	Mx	.001	36
70	MP2B	X	1.557	36
71	MP2B	Z	-2.696	36
72	MP2B	Mx	-.001	36
73	MP2C	X	1.925	36
74	MP2C	Z	-3.334	36
75	MP2C	Mx	.001	36
76	MP4A	X	6.025	12
77	MP4A	Z	-10.436	12
78	MP4A	Mx	-.002	12
79	MP4A	X	6.025	60
80	MP4A	Z	-10.436	60
81	MP4A	Mx	-.002	60
82	MP4B	X	4.238	12
83	MP4B	Z	-7.341	12
84	MP4B	Mx	.006	12
85	MP4B	X	4.238	60
86	MP4B	Z	-7.341	60
87	MP4B	Mx	.006	60
88	MP4C	X	5.132	12
89	MP4C	Z	-8.888	12
90	MP4C	Mx	-.005	12
91	MP4C	X	5.132	60
92	MP4C	Z	-8.888	60
93	MP4C	Mx	-.005	60
94	M24A	X	1.068	24
95	M24A	Z	-1.85	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	9.219	12
2	MP1A	Z	-5.323	12
3	MP1A	Mx	-.01	12
4	MP1A	X	9.219	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
5	MP1A	Z	-5.323	60
6	MP1A	Mx	-.01	60
7	MP1B	X	8.509	12
8	MP1B	Z	-4.913	12
9	MP1B	Mx	.007	12
10	MP1B	X	8.509	60
11	MP1B	Z	-4.913	60
12	MP1B	Mx	.007	60
13	MP1C	X	11.219	12
14	MP1C	Z	-6.477	12
15	MP1C	Mx	.006	12
16	MP1C	X	11.219	60
17	MP1C	Z	-6.477	60
18	MP1C	Mx	.006	60
19	MP1A	X	9.219	12
20	MP1A	Z	-5.323	12
21	MP1A	Mx	-.003	12
22	MP1A	X	9.219	60
23	MP1A	Z	-5.323	60
24	MP1A	Mx	-.003	60
25	MP1B	X	8.509	12
26	MP1B	Z	-4.913	12
27	MP1B	Mx	.008	12
28	MP1B	X	8.509	60
29	MP1B	Z	-4.913	60
30	MP1B	Mx	.008	60
31	MP1C	X	11.219	12
32	MP1C	Z	-6.477	12
33	MP1C	Mx	-.011	12
34	MP1C	X	11.219	60
35	MP1C	Z	-6.477	60
36	MP1C	Mx	-.011	60
37	MP2A	X	2.955	24
38	MP2A	Z	-1.706	24
39	MP2A	Mx	-.002	24
40	MP2A	X	2.955	48
41	MP2A	Z	-1.706	48
42	MP2A	Mx	-.002	48
43	MP2B	X	2.153	24
44	MP2B	Z	-1.243	24
45	MP2B	Mx	.002	24
46	MP2B	X	2.153	48
47	MP2B	Z	-1.243	48
48	MP2B	Mx	.002	48
49	MP2C	X	5.214	24
50	MP2C	Z	-3.01	24
51	MP2C	Mx	-.001	24
52	MP2C	X	5.214	48
53	MP2C	Z	-3.01	48
54	MP2C	Mx	-.001	48
55	OVP	X	6.001	12
56	OVP	Z	-3.465	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
57	OVP	Mx	0	12
58	MP1A	X	3.608	36
59	MP1A	Z	-2.083	36
60	MP1A	Mx	.001	36
61	MP1B	X	2.902	36
62	MP1B	Z	-1.676	36
63	MP1B	Mx	-.002	36
64	MP1C	X	4.229	36
65	MP1C	Z	-2.442	36
66	MP1C	Mx	.000632	36
67	MP2A	X	2.838	36
68	MP2A	Z	-1.638	36
69	MP2A	Mx	.001	36
70	MP2B	X	2.357	36
71	MP2B	Z	-1.361	36
72	MP2B	Mx	-.001	36
73	MP2C	X	4.193	36
74	MP2C	Z	-2.421	36
75	MP2C	Mx	.000627	36
76	MP4A	X	8.888	12
77	MP4A	Z	-5.132	12
78	MP4A	Mx	-.005	12
79	MP4A	X	8.888	60
80	MP4A	Z	-5.132	60
81	MP4A	Mx	-.005	60
82	MP4B	X	7.341	12
83	MP4B	Z	-4.238	12
84	MP4B	Mx	.006	12
85	MP4B	X	7.341	60
86	MP4B	Z	-4.238	60
87	MP4B	Mx	.006	60
88	MP4C	X	10.436	12
89	MP4C	Z	-6.025	12
90	MP4C	Mx	-.002	12
91	MP4C	X	10.436	60
92	MP4C	Z	-6.025	60
93	MP4C	Mx	-.002	60
94	M24A	X	1.45	24
95	M24A	Z	-.837	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	9.8	12
2	MP1A	Z	0	12
3	MP1A	Mx	-.007	12
4	MP1A	X	9.8	60
5	MP1A	Z	0	60
6	MP1A	Mx	-.007	60
7	MP1B	X	10.912	12
8	MP1B	Z	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
9	MP1B	Mx	.003	12
10	MP1B	X	10.912	60
11	MP1B	Z	0	60
12	MP1B	Mx	.003	60
13	MP1C	X	12.955	12
14	MP1C	Z	0	12
15	MP1C	Mx	.011	12
16	MP1C	X	12.955	60
17	MP1C	Z	0	60
18	MP1C	Mx	.011	60
19	MP1A	X	9.8	12
20	MP1A	Z	0	12
21	MP1A	Mx	-.007	12
22	MP1A	X	9.8	60
23	MP1A	Z	0	60
24	MP1A	Mx	-.007	60
25	MP1B	X	10.912	12
26	MP1B	Z	0	12
27	MP1B	Mx	.011	12
28	MP1B	X	10.912	60
29	MP1B	Z	0	60
30	MP1B	Mx	.011	60
31	MP1C	X	12.955	12
32	MP1C	Z	0	12
33	MP1C	Mx	-.006	12
34	MP1C	X	12.955	60
35	MP1C	Z	0	60
36	MP1C	Mx	-.006	60
37	MP2A	X	2.457	24
38	MP2A	Z	0	24
39	MP2A	Mx	-.002	24
40	MP2A	X	2.457	48
41	MP2A	Z	0	48
42	MP2A	Mx	-.002	48
43	MP2B	X	3.714	24
44	MP2B	Z	0	24
45	MP2B	Mx	.002	24
46	MP2B	X	3.714	48
47	MP2B	Z	0	48
48	MP2B	Mx	.002	48
49	MP2C	X	6.021	24
50	MP2C	Z	0	24
51	MP2C	Mx	.001	24
52	MP2C	X	6.021	48
53	MP2C	Z	0	48
54	MP2C	Mx	.001	48
55	OVP	X	6.93	12
56	OVP	Z	0	12
57	OVP	Mx	0	12
58	MP1A	X	3.45	36
59	MP1A	Z	0	36
60	MP1A	Mx	.002	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
61	MP1B	X	3.883	36
62	MP1B	Z	0	36
63	MP1B	Mx	-.002	36
64	MP1C	X	4.884	36
65	MP1C	Z	0	36
66	MP1C	Mx	-.000632	36
67	MP2A	X	2.704	36
68	MP2A	Z	0	36
69	MP2A	Mx	.001	36
70	MP2B	X	3.458	36
71	MP2B	Z	0	36
72	MP2B	Mx	-.001	36
73	MP2C	X	4.841	36
74	MP2C	Z	0	36
75	MP2C	Mx	-.000626	36
76	MP4A	X	8.476	12
77	MP4A	Z	0	12
78	MP4A	Mx	-.006	12
79	MP4A	X	8.476	60
80	MP4A	Z	0	60
81	MP4A	Mx	-.006	60
82	MP4B	X	10.263	12
83	MP4B	Z	0	12
84	MP4B	Mx	.005	12
85	MP4B	X	10.263	60
86	MP4B	Z	0	60
87	MP4B	Mx	.005	60
88	MP4C	X	12.05	12
89	MP4C	Z	0	12
90	MP4C	Mx	.002	12
91	MP4C	X	12.05	60
92	MP4C	Z	0	60
93	MP4C	Mx	.002	60
94	M24A	X	1.674	24
95	M24A	Z	0	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	9.219	12
2	MP1A	Z	5.323	12
3	MP1A	Mx	-.003	12
4	MP1A	X	9.219	60
5	MP1A	Z	5.323	60
6	MP1A	Mx	-.003	60
7	MP1B	X	10.892	12
8	MP1B	Z	6.289	12
9	MP1B	Mx	-.004	12
10	MP1B	X	10.892	60
11	MP1B	Z	6.289	60
12	MP1B	Mx	-.004	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
13	MP1C	X	9.951	12
14	MP1C	Z	5.745	12
15	MP1C	Mx	.012	12
16	MP1C	X	9.951	60
17	MP1C	Z	5.745	60
18	MP1C	Mx	.012	60
19	MP1A	X	9.219	12
20	MP1A	Z	5.323	12
21	MP1A	Mx	-.01	12
22	MP1A	X	9.219	60
23	MP1A	Z	5.323	60
24	MP1A	Mx	-.01	60
25	MP1B	X	10.892	12
26	MP1B	Z	6.289	12
27	MP1B	Mx	.012	12
28	MP1B	X	10.892	60
29	MP1B	Z	6.289	60
30	MP1B	Mx	.012	60
31	MP1C	X	9.951	12
32	MP1C	Z	5.745	12
33	MP1C	Mx	.000677	12
34	MP1C	X	9.951	60
35	MP1C	Z	5.745	60
36	MP1C	Mx	.000677	60
37	MP2A	X	2.955	24
38	MP2A	Z	1.706	24
39	MP2A	Mx	-.002	24
40	MP2A	X	2.955	48
41	MP2A	Z	1.706	48
42	MP2A	Mx	-.002	48
43	MP2B	X	4.845	24
44	MP2B	Z	2.797	24
45	MP2B	Mx	.002	24
46	MP2B	X	4.845	48
47	MP2B	Z	2.797	48
48	MP2B	Mx	.002	48
49	MP2C	X	3.782	24
50	MP2C	Z	2.184	24
51	MP2C	Mx	.002	24
52	MP2C	X	3.782	48
53	MP2C	Z	2.184	48
54	MP2C	Mx	.002	48
55	OVP	X	7.285	12
56	OVP	Z	4.206	12
57	OVP	Mx	0	12
58	MP1A	X	2.987	36
59	MP1A	Z	1.725	36
60	MP1A	Mx	.002	36
61	MP1B	X	4.069	36
62	MP1B	Z	2.349	36
63	MP1B	Mx	-.000993	36
64	MP1C	X	3.608	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
65	MP1C	Z	2.083	36
66	MP1C	Mx	-.001	36
67	MP2A	X	2.838	36
68	MP2A	Z	1.638	36
69	MP2A	Mx	.001	36
70	MP2B	X	3.971	36
71	MP2B	Z	2.293	36
72	MP2B	Mx	-.000969	36
73	MP2C	X	3.334	36
74	MP2C	Z	1.925	36
75	MP2C	Mx	-.001	36
76	MP4A	X	7.341	12
77	MP4A	Z	4.238	12
78	MP4A	Mx	-.006	12
79	MP4A	X	7.341	60
80	MP4A	Z	4.238	60
81	MP4A	Mx	-.006	60
82	MP4B	X	10.436	12
83	MP4B	Z	6.025	12
84	MP4B	Mx	.002	12
85	MP4B	X	10.436	60
86	MP4B	Z	6.025	60
87	MP4B	Mx	.002	60
88	MP4C	X	8.888	12
89	MP4C	Z	5.132	12
90	MP4C	Mx	.005	12
91	MP4C	X	8.888	60
92	MP4C	Z	5.132	60
93	MP4C	Mx	.005	60
94	M24A	X	1.85	24
95	M24A	Z	1.068	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	6.168	12
2	MP1A	Z	10.683	12
3	MP1A	Mx	.002	12
4	MP1A	X	6.168	60
5	MP1A	Z	10.683	60
6	MP1A	Mx	.002	60
7	MP1B	X	6.578	12
8	MP1B	Z	11.393	12
9	MP1B	Mx	-.01	12
10	MP1B	X	6.578	60
11	MP1B	Z	11.393	60
12	MP1B	Mx	-.01	60
13	MP1C	X	5.013	12
14	MP1C	Z	8.683	12
15	MP1C	Mx	.009	12
16	MP1C	X	5.013	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
17	MP1C	Z	8.683	60
18	MP1C	Mx	.009	60
19	MP1A	X	6.168	12
20	MP1A	Z	10.683	12
21	MP1A	Mx	-.012	12
22	MP1A	X	6.168	60
23	MP1A	Z	10.683	60
24	MP1A	Mx	-.012	60
25	MP1B	X	6.578	12
26	MP1B	Z	11.393	12
27	MP1B	Mx	.008	12
28	MP1B	X	6.578	60
29	MP1B	Z	11.393	60
30	MP1B	Mx	.008	60
31	MP1C	X	5.013	12
32	MP1C	Z	8.683	12
33	MP1C	Mx	.006	12
34	MP1C	X	5.013	60
35	MP1C	Z	8.683	60
36	MP1C	Mx	.006	60
37	MP2A	X	2.661	24
38	MP2A	Z	4.609	24
39	MP2A	Mx	-.002	24
40	MP2A	X	2.661	48
41	MP2A	Z	4.609	48
42	MP2A	Mx	-.002	48
43	MP2B	X	3.124	24
44	MP2B	Z	5.411	24
45	MP2B	Mx	-.000408	24
46	MP2B	X	3.124	48
47	MP2B	Z	5.411	48
48	MP2B	Mx	-.000408	48
49	MP2C	X	1.357	24
50	MP2C	Z	2.35	24
51	MP2C	Mx	.002	24
52	MP2C	X	1.357	48
53	MP2C	Z	2.35	48
54	MP2C	Mx	.002	48
55	OVP	X	4.947	12
56	OVP	Z	8.568	12
57	OVP	Mx	0	12
58	MP1A	X	2.083	36
59	MP1A	Z	3.608	36
60	MP1A	Mx	.001	36
61	MP1B	X	2.491	36
62	MP1B	Z	4.315	36
63	MP1B	Mx	.000217	36
64	MP1C	X	1.725	36
65	MP1C	Z	2.987	36
66	MP1C	Mx	-.002	36
67	MP2A	X	2.211	36
68	MP2A	Z	3.83	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
69	MP2A	Mx	.001	36
70	MP2B	X	2.489	36
71	MP2B	Z	4.31	36
72	MP2B	Mx	.000217	36
73	MP2C	X	1.429	36
74	MP2C	Z	2.475	36
75	MP2C	Mx	-.001	36
76	MP4A	X	5.132	12
77	MP4A	Z	8.888	12
78	MP4A	Mx	-.005	12
79	MP4A	X	5.132	60
80	MP4A	Z	8.888	60
81	MP4A	Mx	-.005	60
82	MP4B	X	6.025	12
83	MP4B	Z	10.436	12
84	MP4B	Mx	-.002	12
85	MP4B	X	6.025	60
86	MP4B	Z	10.436	60
87	MP4B	Mx	-.002	60
88	MP4C	X	4.238	12
89	MP4C	Z	7.341	12
90	MP4C	Mx	.006	12
91	MP4C	X	4.238	60
92	MP4C	Z	7.341	60
93	MP4C	Mx	.006	60
94	M24A	X	1.3	24
95	M24A	Z	2.251	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	12
2	MP1A	Z	13.181	12
3	MP1A	Mx	.009	12
4	MP1A	X	0	60
5	MP1A	Z	13.181	60
6	MP1A	Mx	.009	60
7	MP1B	X	0	12
8	MP1B	Z	12.069	12
9	MP1B	Mx	-.012	12
10	MP1B	X	0	60
11	MP1B	Z	12.069	60
12	MP1B	Mx	-.012	60
13	MP1C	X	0	12
14	MP1C	Z	10.026	12
15	MP1C	Mx	.006	12
16	MP1C	X	0	60
17	MP1C	Z	10.026	60
18	MP1C	Mx	.006	60
19	MP1A	X	0	12
20	MP1A	Z	13.181	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	MP1A	Mx	-.009	12
22	MP1A	X	0	60
23	MP1A	Z	13.181	60
24	MP1A	Mx	-.009	60
25	MP1B	X	0	12
26	MP1B	Z	12.069	12
27	MP1B	Mx	.001	12
28	MP1B	X	0	60
29	MP1B	Z	12.069	60
30	MP1B	Mx	.001	60
31	MP1C	X	0	12
32	MP1C	Z	10.026	12
33	MP1C	Mx	.009	12
34	MP1C	X	0	60
35	MP1C	Z	10.026	60
36	MP1C	Mx	.009	60
37	MP2A	X	0	24
38	MP2A	Z	6.277	24
39	MP2A	Mx	0	24
40	MP2A	X	0	48
41	MP2A	Z	6.277	48
42	MP2A	Mx	0	48
43	MP2B	X	0	24
44	MP2B	Z	5.02	24
45	MP2B	Mx	-.002	24
46	MP2B	X	0	48
47	MP2B	Z	5.02	48
48	MP2B	Mx	-.002	48
49	MP2C	X	0	24
50	MP2C	Z	2.713	24
51	MP2C	Mx	.002	24
52	MP2C	X	0	48
53	MP2C	Z	2.713	48
54	MP2C	Mx	.002	48
55	OVP	X	0	12
56	OVP	Z	9.894	12
57	OVP	Mx	0	12
58	MP1A	X	0	36
59	MP1A	Z	4.884	36
60	MP1A	Mx	.000632	36
61	MP1B	X	0	36
62	MP1B	Z	4.45	36
63	MP1B	Mx	.001	36
64	MP1C	X	0	36
65	MP1C	Z	3.45	36
66	MP1C	Mx	-.002	36
67	MP2A	X	0	36
68	MP2A	Z	4.995	36
69	MP2A	Mx	0	36
70	MP2B	X	0	36
71	MP2B	Z	4.241	36
72	MP2B	Mx	.001	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
73	MP2C	X	0	36
74	MP2C	Z	2.858	36
75	MP2C	Mx	-.001	36
76	MP4A	X	0	12
77	MP4A	Z	12.05	12
78	MP4A	Mx	-.002	12
79	MP4A	X	0	60
80	MP4A	Z	12.05	60
81	MP4A	Mx	-.002	60
82	MP4B	X	0	12
83	MP4B	Z	10.263	12
84	MP4B	Mx	-.005	12
85	MP4B	X	0	60
86	MP4B	Z	10.263	60
87	MP4B	Mx	-.005	60
88	MP4C	X	0	12
89	MP4C	Z	8.476	12
90	MP4C	Mx	.006	12
91	MP4C	X	0	60
92	MP4C	Z	8.476	60
93	MP4C	Mx	.006	60
94	M24A	X	0	24
95	M24A	Z	2.599	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-6.168	12
2	MP1A	Z	10.683	12
3	MP1A	Mx	.012	12
4	MP1A	X	-6.168	60
5	MP1A	Z	10.683	60
6	MP1A	Mx	.012	60
7	MP1B	X	-5.202	12
8	MP1B	Z	9.01	12
9	MP1B	Mx	-.01	12
10	MP1B	X	-5.202	60
11	MP1B	Z	9.01	60
12	MP1B	Mx	-.01	60
13	MP1C	X	-5.745	12
14	MP1C	Z	9.951	12
15	MP1C	Mx	.000677	12
16	MP1C	X	-5.745	60
17	MP1C	Z	9.951	60
18	MP1C	Mx	.000677	60
19	MP1A	X	-6.168	12
20	MP1A	Z	10.683	12
21	MP1A	Mx	-.002	12
22	MP1A	X	-6.168	60
23	MP1A	Z	10.683	60
24	MP1A	Mx	-.002	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP1B	X	-5.202	12
26	MP1B	Z	9.01	12
27	MP1B	Mx	-.004	12
28	MP1B	X	-5.202	60
29	MP1B	Z	9.01	60
30	MP1B	Mx	-.004	60
31	MP1C	X	-5.745	12
32	MP1C	Z	9.951	12
33	MP1C	Mx	.012	12
34	MP1C	X	-5.745	60
35	MP1C	Z	9.951	60
36	MP1C	Mx	.012	60
37	MP2A	X	-2.661	24
38	MP2A	Z	4.609	24
39	MP2A	Mx	.002	24
40	MP2A	X	-2.661	48
41	MP2A	Z	4.609	48
42	MP2A	Mx	.002	48
43	MP2B	X	-1.57	24
44	MP2B	Z	2.719	24
45	MP2B	Mx	-.002	24
46	MP2B	X	-1.57	48
47	MP2B	Z	2.719	48
48	MP2B	Mx	-.002	48
49	MP2C	X	-2.184	24
50	MP2C	Z	3.782	24
51	MP2C	Mx	.002	24
52	MP2C	X	-2.184	48
53	MP2C	Z	3.782	48
54	MP2C	Mx	.002	48
55	OVP	X	-4.206	12
56	OVP	Z	7.285	12
57	OVP	Mx	0	12
58	MP1A	X	-2.442	36
59	MP1A	Z	4.229	36
60	MP1A	Mx	-.000632	36
61	MP1B	X	-1.817	36
62	MP1B	Z	3.148	36
63	MP1B	Mx	.002	36
64	MP1C	X	-2.083	36
65	MP1C	Z	3.608	36
66	MP1C	Mx	-.001	36
67	MP2A	X	-2.211	36
68	MP2A	Z	3.83	36
69	MP2A	Mx	-.001	36
70	MP2B	X	-1.557	36
71	MP2B	Z	2.696	36
72	MP2B	Mx	.001	36
73	MP2C	X	-1.925	36
74	MP2C	Z	3.334	36
75	MP2C	Mx	-.001	36
76	MP4A	X	-6.025	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
77	MP4A	Z	10.436	12
78	MP4A	Mx	.002	12
79	MP4A	X	-6.025	60
80	MP4A	Z	10.436	60
81	MP4A	Mx	.002	60
82	MP4B	X	-4.238	12
83	MP4B	Z	7.341	12
84	MP4B	Mx	-.006	12
85	MP4B	X	-4.238	60
86	MP4B	Z	7.341	60
87	MP4B	Mx	-.006	60
88	MP4C	X	-5.132	12
89	MP4C	Z	8.888	12
90	MP4C	Mx	.005	12
91	MP4C	X	-5.132	60
92	MP4C	Z	8.888	60
93	MP4C	Mx	.005	60
94	M24A	X	-1.068	24
95	M24A	Z	1.85	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-9.219	12
2	MP1A	Z	5.323	12
3	MP1A	Mx	.01	12
4	MP1A	X	-9.219	60
5	MP1A	Z	5.323	60
6	MP1A	Mx	.01	60
7	MP1B	X	-8.509	12
8	MP1B	Z	4.913	12
9	MP1B	Mx	-.007	12
10	MP1B	X	-8.509	60
11	MP1B	Z	4.913	60
12	MP1B	Mx	-.007	60
13	MP1C	X	-11.219	12
14	MP1C	Z	6.477	12
15	MP1C	Mx	-.006	12
16	MP1C	X	-11.219	60
17	MP1C	Z	6.477	60
18	MP1C	Mx	-.006	60
19	MP1A	X	-9.219	12
20	MP1A	Z	5.323	12
21	MP1A	Mx	.003	12
22	MP1A	X	-9.219	60
23	MP1A	Z	5.323	60
24	MP1A	Mx	.003	60
25	MP1B	X	-8.509	12
26	MP1B	Z	4.913	12
27	MP1B	Mx	-.008	12
28	MP1B	X	-8.509	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
29	MP1B	Z	4.913	60
30	MP1B	Mx	-.008	60
31	MP1C	X	-11.219	12
32	MP1C	Z	6.477	12
33	MP1C	Mx	.011	12
34	MP1C	X	-11.219	60
35	MP1C	Z	6.477	60
36	MP1C	Mx	.011	60
37	MP2A	X	-2.955	24
38	MP2A	Z	1.706	24
39	MP2A	Mx	.002	24
40	MP2A	X	-2.955	48
41	MP2A	Z	1.706	48
42	MP2A	Mx	.002	48
43	MP2B	X	-2.153	24
44	MP2B	Z	1.243	24
45	MP2B	Mx	-.002	24
46	MP2B	X	-2.153	48
47	MP2B	Z	1.243	48
48	MP2B	Mx	-.002	48
49	MP2C	X	-5.214	24
50	MP2C	Z	3.01	24
51	MP2C	Mx	.001	24
52	MP2C	X	-5.214	48
53	MP2C	Z	3.01	48
54	MP2C	Mx	.001	48
55	OVP	X	-6.001	12
56	OVP	Z	3.465	12
57	OVP	Mx	0	12
58	MP1A	X	-3.608	36
59	MP1A	Z	2.083	36
60	MP1A	Mx	-.001	36
61	MP1B	X	-2.902	36
62	MP1B	Z	1.676	36
63	MP1B	Mx	.002	36
64	MP1C	X	-4.229	36
65	MP1C	Z	2.442	36
66	MP1C	Mx	-.000632	36
67	MP2A	X	-2.838	36
68	MP2A	Z	1.638	36
69	MP2A	Mx	-.001	36
70	MP2B	X	-2.357	36
71	MP2B	Z	1.361	36
72	MP2B	Mx	.001	36
73	MP2C	X	-4.193	36
74	MP2C	Z	2.421	36
75	MP2C	Mx	-.000627	36
76	MP4A	X	-8.888	12
77	MP4A	Z	5.132	12
78	MP4A	Mx	.005	12
79	MP4A	X	-8.888	60
80	MP4A	Z	5.132	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
81	MP4A	Mx	.005	60
82	MP4B	X	-7.341	12
83	MP4B	Z	4.238	12
84	MP4B	Mx	-.006	12
85	MP4B	X	-7.341	60
86	MP4B	Z	4.238	60
87	MP4B	Mx	-.006	60
88	MP4C	X	-10.436	12
89	MP4C	Z	6.025	12
90	MP4C	Mx	.002	12
91	MP4C	X	-10.436	60
92	MP4C	Z	6.025	60
93	MP4C	Mx	.002	60
94	M24A	X	-1.45	24
95	M24A	Z	.837	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-9.8	12
2	MP1A	Z	0	12
3	MP1A	Mx	.007	12
4	MP1A	X	-9.8	60
5	MP1A	Z	0	60
6	MP1A	Mx	.007	60
7	MP1B	X	-10.912	12
8	MP1B	Z	0	12
9	MP1B	Mx	-.003	12
10	MP1B	X	-10.912	60
11	MP1B	Z	0	60
12	MP1B	Mx	-.003	60
13	MP1C	X	-12.955	12
14	MP1C	Z	0	12
15	MP1C	Mx	-.011	12
16	MP1C	X	-12.955	60
17	MP1C	Z	0	60
18	MP1C	Mx	-.011	60
19	MP1A	X	-9.8	12
20	MP1A	Z	0	12
21	MP1A	Mx	.007	12
22	MP1A	X	-9.8	60
23	MP1A	Z	0	60
24	MP1A	Mx	.007	60
25	MP1B	X	-10.912	12
26	MP1B	Z	0	12
27	MP1B	Mx	-.011	12
28	MP1B	X	-10.912	60
29	MP1B	Z	0	60
30	MP1B	Mx	-.011	60
31	MP1C	X	-12.955	12
32	MP1C	Z	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	MP1C	Mx	.006	12
34	MP1C	X	-12.955	60
35	MP1C	Z	0	60
36	MP1C	Mx	.006	60
37	MP2A	X	-2.457	24
38	MP2A	Z	0	24
39	MP2A	Mx	.002	24
40	MP2A	X	-2.457	48
41	MP2A	Z	0	48
42	MP2A	Mx	.002	48
43	MP2B	X	-3.714	24
44	MP2B	Z	0	24
45	MP2B	Mx	-.002	24
46	MP2B	X	-3.714	48
47	MP2B	Z	0	48
48	MP2B	Mx	-.002	48
49	MP2C	X	-6.021	24
50	MP2C	Z	0	24
51	MP2C	Mx	-.001	24
52	MP2C	X	-6.021	48
53	MP2C	Z	0	48
54	MP2C	Mx	-.001	48
55	OVP	X	-6.93	12
56	OVP	Z	0	12
57	OVP	Mx	0	12
58	MP1A	X	-3.45	36
59	MP1A	Z	0	36
60	MP1A	Mx	-.002	36
61	MP1B	X	-3.883	36
62	MP1B	Z	0	36
63	MP1B	Mx	.002	36
64	MP1C	X	-4.884	36
65	MP1C	Z	0	36
66	MP1C	Mx	.000632	36
67	MP2A	X	-2.704	36
68	MP2A	Z	0	36
69	MP2A	Mx	-.001	36
70	MP2B	X	-3.458	36
71	MP2B	Z	0	36
72	MP2B	Mx	.001	36
73	MP2C	X	-4.841	36
74	MP2C	Z	0	36
75	MP2C	Mx	.000626	36
76	MP4A	X	-8.476	12
77	MP4A	Z	0	12
78	MP4A	Mx	.006	12
79	MP4A	X	-8.476	60
80	MP4A	Z	0	60
81	MP4A	Mx	.006	60
82	MP4B	X	-10.263	12
83	MP4B	Z	0	12
84	MP4B	Mx	-.005	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
85	MP4B	X	-10.263	60
86	MP4B	Z	0	60
87	MP4B	Mx	-.005	60
88	MP4C	X	-12.05	12
89	MP4C	Z	0	12
90	MP4C	Mx	-.002	12
91	MP4C	X	-12.05	60
92	MP4C	Z	0	60
93	MP4C	Mx	-.002	60
94	M24A	X	-1.674	24
95	M24A	Z	0	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-9.219	12
2	MP1A	Z	-5.323	12
3	MP1A	Mx	.003	12
4	MP1A	X	-9.219	60
5	MP1A	Z	-5.323	60
6	MP1A	Mx	.003	60
7	MP1B	X	-10.892	12
8	MP1B	Z	-6.289	12
9	MP1B	Mx	.004	12
10	MP1B	X	-10.892	60
11	MP1B	Z	-6.289	60
12	MP1B	Mx	.004	60
13	MP1C	X	-9.951	12
14	MP1C	Z	-5.745	12
15	MP1C	Mx	-.012	12
16	MP1C	X	-9.951	60
17	MP1C	Z	-5.745	60
18	MP1C	Mx	-.012	60
19	MP1A	X	-9.219	12
20	MP1A	Z	-5.323	12
21	MP1A	Mx	.01	12
22	MP1A	X	-9.219	60
23	MP1A	Z	-5.323	60
24	MP1A	Mx	.01	60
25	MP1B	X	-10.892	12
26	MP1B	Z	-6.289	12
27	MP1B	Mx	-.012	12
28	MP1B	X	-10.892	60
29	MP1B	Z	-6.289	60
30	MP1B	Mx	-.012	60
31	MP1C	X	-9.951	12
32	MP1C	Z	-5.745	12
33	MP1C	Mx	-.000677	12
34	MP1C	X	-9.951	60
35	MP1C	Z	-5.745	60
36	MP1C	Mx	-.000677	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
37	MP2A	X	-2.955	24
38	MP2A	Z	-1.706	24
39	MP2A	Mx	.002	24
40	MP2A	X	-2.955	48
41	MP2A	Z	-1.706	48
42	MP2A	Mx	.002	48
43	MP2B	X	-4.845	24
44	MP2B	Z	-2.797	24
45	MP2B	Mx	-.002	24
46	MP2B	X	-4.845	48
47	MP2B	Z	-2.797	48
48	MP2B	Mx	-.002	48
49	MP2C	X	-3.782	24
50	MP2C	Z	-2.184	24
51	MP2C	Mx	-.002	24
52	MP2C	X	-3.782	48
53	MP2C	Z	-2.184	48
54	MP2C	Mx	-.002	48
55	OVP	X	-7.285	12
56	OVP	Z	-4.206	12
57	OVP	Mx	0	12
58	MP1A	X	-2.987	36
59	MP1A	Z	-1.725	36
60	MP1A	Mx	-.002	36
61	MP1B	X	-4.069	36
62	MP1B	Z	-2.349	36
63	MP1B	Mx	.000993	36
64	MP1C	X	-3.608	36
65	MP1C	Z	-2.083	36
66	MP1C	Mx	.001	36
67	MP2A	X	-2.838	36
68	MP2A	Z	-1.638	36
69	MP2A	Mx	-.001	36
70	MP2B	X	-3.971	36
71	MP2B	Z	-2.293	36
72	MP2B	Mx	.000969	36
73	MP2C	X	-3.334	36
74	MP2C	Z	-1.925	36
75	MP2C	Mx	.001	36
76	MP4A	X	-7.341	12
77	MP4A	Z	-4.238	12
78	MP4A	Mx	.006	12
79	MP4A	X	-7.341	60
80	MP4A	Z	-4.238	60
81	MP4A	Mx	.006	60
82	MP4B	X	-10.436	12
83	MP4B	Z	-6.025	12
84	MP4B	Mx	-.002	12
85	MP4B	X	-10.436	60
86	MP4B	Z	-6.025	60
87	MP4B	Mx	-.002	60
88	MP4C	X	-8.888	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
89	MP4C	Z	-5.132	12
90	MP4C	Mx	-.005	12
91	MP4C	X	-8.888	60
92	MP4C	Z	-5.132	60
93	MP4C	Mx	-.005	60
94	M24A	X	-1.85	24
95	M24A	Z	-1.068	24
96	M24A	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-6.168	12
2	MP1A	Z	-10.683	12
3	MP1A	Mx	-.002	12
4	MP1A	X	-6.168	60
5	MP1A	Z	-10.683	60
6	MP1A	Mx	-.002	60
7	MP1B	X	-6.578	12
8	MP1B	Z	-11.393	12
9	MP1B	Mx	.01	12
10	MP1B	X	-6.578	60
11	MP1B	Z	-11.393	60
12	MP1B	Mx	.01	60
13	MP1C	X	-5.013	12
14	MP1C	Z	-8.683	12
15	MP1C	Mx	-.009	12
16	MP1C	X	-5.013	60
17	MP1C	Z	-8.683	60
18	MP1C	Mx	-.009	60
19	MP1A	X	-6.168	12
20	MP1A	Z	-10.683	12
21	MP1A	Mx	.012	12
22	MP1A	X	-6.168	60
23	MP1A	Z	-10.683	60
24	MP1A	Mx	.012	60
25	MP1B	X	-6.578	12
26	MP1B	Z	-11.393	12
27	MP1B	Mx	-.008	12
28	MP1B	X	-6.578	60
29	MP1B	Z	-11.393	60
30	MP1B	Mx	-.008	60
31	MP1C	X	-5.013	12
32	MP1C	Z	-8.683	12
33	MP1C	Mx	-.006	12
34	MP1C	X	-5.013	60
35	MP1C	Z	-8.683	60
36	MP1C	Mx	-.006	60
37	MP2A	X	-2.661	24
38	MP2A	Z	-4.609	24
39	MP2A	Mx	.002	24
40	MP2A	X	-2.661	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	MP2A	Z	-4.609	48
42	MP2A	Mx	.002	48
43	MP2B	X	-3.124	24
44	MP2B	Z	-5.411	24
45	MP2B	Mx	.000408	24
46	MP2B	X	-3.124	48
47	MP2B	Z	-5.411	48
48	MP2B	Mx	.000408	48
49	MP2C	X	-1.357	24
50	MP2C	Z	-2.35	24
51	MP2C	Mx	-.002	24
52	MP2C	X	-1.357	48
53	MP2C	Z	-2.35	48
54	MP2C	Mx	-.002	48
55	OVP	X	-4.947	12
56	OVP	Z	-8.568	12
57	OVP	Mx	0	12
58	MP1A	X	-2.083	36
59	MP1A	Z	-3.608	36
60	MP1A	Mx	-.001	36
61	MP1B	X	-2.491	36
62	MP1B	Z	-4.315	36
63	MP1B	Mx	-.000217	36
64	MP1C	X	-1.725	36
65	MP1C	Z	-2.987	36
66	MP1C	Mx	.002	36
67	MP2A	X	-2.211	36
68	MP2A	Z	-3.83	36
69	MP2A	Mx	-.001	36
70	MP2B	X	-2.489	36
71	MP2B	Z	-4.31	36
72	MP2B	Mx	-.000217	36
73	MP2C	X	-1.429	36
74	MP2C	Z	-2.475	36
75	MP2C	Mx	.001	36
76	MP4A	X	-5.132	12
77	MP4A	Z	-8.888	12
78	MP4A	Mx	.005	12
79	MP4A	X	-5.132	60
80	MP4A	Z	-8.888	60
81	MP4A	Mx	.005	60
82	MP4B	X	-6.025	12
83	MP4B	Z	-10.436	12
84	MP4B	Mx	.002	12
85	MP4B	X	-6.025	60
86	MP4B	Z	-10.436	60
87	MP4B	Mx	.002	60
88	MP4C	X	-4.238	12
89	MP4C	Z	-7.341	12
90	MP4C	Mx	-.006	12
91	MP4C	X	-4.238	60
92	MP4C	Z	-7.341	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
93	MP4C	Mx	-.006	60
94	M24A	X	-1.3	24
95	M24A	Z	-2.251	24
96	M24A	Mx	0	24

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7A	Y	-500	%93

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7A	Y	-500	%64

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7A	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7A	Y	-250	%50

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	Y	-9.738	-9.738	0	%100
2	M2	Y	-10.747	-10.747	0	%100
3	M5	Y	-10.228	-10.228	0	%100
4	M6	Y	-10.228	-10.228	0	%100
5	M7	Y	-10.228	-10.228	0	%100
6	M6A	Y	-7.72	-7.72	0	%100
7	M7A	Y	-7.72	-7.72	0	%100
8	M23A	Y	-7.72	-7.72	0	%100
9	M24	Y	-7.72	-7.72	0	%100
10	M39A	Y	-7.72	-7.72	0	%100
11	M40	Y	-7.72	-7.72	0	%100
12	M55	Y	-10.747	-10.747	0	%100
13	M56	Y	-10.747	-10.747	0	%100
14	M22	Y	-5.055	-5.055	0	%100
15	M23	Y	-5.055	-5.055	0	%100
16	M24A	Y	-5.055	-5.055	0	%100
17	MP4A	Y	-5.055	-5.055	0	%100
18	MP3A	Y	-5.055	-5.055	0	%100
19	MP2A	Y	-5.055	-5.055	0	%100
20	MP1A	Y	-5.769	-5.769	0	%100
21	MP4C	Y	-5.055	-5.055	0	%100
22	MP3C	Y	-5.055	-5.055	0	%100
23	MP2C	Y	-5.055	-5.055	0	%100
24	MP1C	Y	-5.769	-5.769	0	%100
25	MP4B	Y	-5.055	-5.055	0	%100

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,%]
26	MP3B	Y	-5.055	-5.055	0	%100
27	MP2B	Y	-5.055	-5.055	0	%100
28	MP1B	Y	-5.769	-5.769	0	%100
29	M57A	Y	-9.738	-9.738	0	%100
30	M58A	Y	-9.738	-9.738	0	%100
31	M65	Y	-5.055	-5.055	0	%100
32	M66	Y	-5.055	-5.055	0	%100
33	M67	Y	-5.055	-5.055	0	%100
34	OVP	Y	-5.055	-5.055	0	%100
35	M81	Y	-10.763	-10.763	0	%100
36	M73	Y	-10.763	-10.763	0	%100
37	M74	Y	-10.763	-10.763	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,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	-13.514	-13.514	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	-13.514	-13.514	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	-21.368	-21.368	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	-21.368	-21.368	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	-5.342	-5.342	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	-5.342	-5.342	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	-5.342	-5.342	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	-5.342	-5.342	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	-11.899	-11.899	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	-11.899	-11.899	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	-10.15	-10.15	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	-2.537	-2.537	0	%100
31	M24A	X	0	0	0	%100
32	M24A	Z	-2.537	-2.537	0	%100
33	MP4A	X	0	0	0	%100
34	MP4A	Z	-10.15	-10.15	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-10.15	-10.15	0	%100

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,%]
37	MP2A	X	0	0	0	%100
38	MP2A	Z	-10.15	-10.15	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	-12.286	-12.286	0	%100
41	MP4C	X	0	0	0	%100
42	MP4C	Z	-10.15	-10.15	0	%100
43	MP3C	X	0	0	0	%100
44	MP3C	Z	-10.15	-10.15	0	%100
45	MP2C	X	0	0	0	%100
46	MP2C	Z	-10.15	-10.15	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	-12.286	-12.286	0	%100
49	MP4B	X	0	0	0	%100
50	MP4B	Z	-10.15	-10.15	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	-10.15	-10.15	0	%100
53	MP2B	X	0	0	0	%100
54	MP2B	Z	-10.15	-10.15	0	%100
55	MP1B	X	0	0	0	%100
56	MP1B	Z	-12.286	-12.286	0	%100
57	M57A	X	0	0	0	%100
58	M57A	Z	-9.118	-9.118	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	-9.118	-9.118	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	-1.679	-1.679	0	%100
63	M66	X	0	0	0	%100
64	M66	Z	-6.717	-6.717	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	-1.679	-1.679	0	%100
67	OVP	X	0	0	0	%100
68	OVP	Z	-9.249	-9.249	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	-10.144	-10.144	0	%100
71	M73	X	0	0	0	%100
72	M73	Z	-18.562	-18.562	0	%100
73	M74	X	0	0	0	%100
74	M74	Z	-18.562	-18.562	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	1.52	1.52	0	%100
2	M1	Z	-2.632	-2.632	0	%100
3	M2	X	1.983	1.983	0	%100
4	M2	Z	-3.435	-3.435	0	%100
5	M5	X	2.252	2.252	0	%100
6	M5	Z	-3.901	-3.901	0	%100
7	M6	X	2.252	2.252	0	%100
8	M6	Z	-3.901	-3.901	0	%100
9	M7	X	9.009	9.009	0	%100
10	M7	Z	-15.605	-15.605	0	%100

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,%]
11	M6A	X	8.013	8.013	0	%100
12	M6A	Z	-13.879	-13.879	0	%100
13	M7A	X	8.013	8.013	0	%100
14	M7A	Z	-13.879	-13.879	0	%100
15	M23A	X	8.013	8.013	0	%100
16	M23A	Z	-13.879	-13.879	0	%100
17	M24	X	8.013	8.013	0	%100
18	M24	Z	-13.879	-13.879	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	1.983	1.983	0	%100
24	M55	Z	-3.435	-3.435	0	%100
25	M56	X	7.933	7.933	0	%100
26	M56	Z	-13.74	-13.74	0	%100
27	M22	X	3.806	3.806	0	%100
28	M22	Z	-6.592	-6.592	0	%100
29	M23	X	3.806	3.806	0	%100
30	M23	Z	-6.592	-6.592	0	%100
31	M24A	X	0	0	0	%100
32	M24A	Z	0	0	0	%100
33	MP4A	X	5.075	5.075	0	%100
34	MP4A	Z	-8.79	-8.79	0	%100
35	MP3A	X	5.075	5.075	0	%100
36	MP3A	Z	-8.79	-8.79	0	%100
37	MP2A	X	5.075	5.075	0	%100
38	MP2A	Z	-8.79	-8.79	0	%100
39	MP1A	X	6.143	6.143	0	%100
40	MP1A	Z	-10.64	-10.64	0	%100
41	MP4C	X	5.075	5.075	0	%100
42	MP4C	Z	-8.79	-8.79	0	%100
43	MP3C	X	5.075	5.075	0	%100
44	MP3C	Z	-8.79	-8.79	0	%100
45	MP2C	X	5.075	5.075	0	%100
46	MP2C	Z	-8.79	-8.79	0	%100
47	MP1C	X	6.143	6.143	0	%100
48	MP1C	Z	-10.64	-10.64	0	%100
49	MP4B	X	5.075	5.075	0	%100
50	MP4B	Z	-8.79	-8.79	0	%100
51	MP3B	X	5.075	5.075	0	%100
52	MP3B	Z	-8.79	-8.79	0	%100
53	MP2B	X	5.075	5.075	0	%100
54	MP2B	Z	-8.79	-8.79	0	%100
55	MP1B	X	6.143	6.143	0	%100
56	MP1B	Z	-10.64	-10.64	0	%100
57	M57A	X	1.52	1.52	0	%100
58	M57A	Z	-2.632	-2.632	0	%100
59	M58A	X	6.079	6.079	0	%100
60	M58A	Z	-10.529	-10.529	0	%100
61	M65	X	2.519	2.519	0	%100
62	M65	Z	-4.363	-4.363	0	%100

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,%]
63	M66	X	2.519	2.519	0	%100
64	M66	Z	-4.363	-4.363	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	0	0	0	%100
67	OVP	X	4.625	4.625	0	%100
68	OVP	Z	-8.01	-8.01	0	%100
69	M81	X	6.475	6.475	0	%100
70	M81	Z	-11.215	-11.215	0	%100
71	M73	X	6.475	6.475	0	%100
72	M73	Z	-11.215	-11.215	0	%100
73	M74	X	10.684	10.684	0	%100
74	M74	Z	-18.505	-18.505	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,%]	End Location[in,%]
1	M1	X	7.897	7.897	0	%100
2	M1	Z	-4.559	-4.559	0	%100
3	M2	X	10.305	10.305	0	%100
4	M2	Z	-5.949	-5.949	0	%100
5	M5	X	11.704	11.704	0	%100
6	M5	Z	-6.757	-6.757	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	11.704	11.704	0	%100
10	M7	Z	-6.757	-6.757	0	%100
11	M6A	X	4.626	4.626	0	%100
12	M6A	Z	-2.671	-2.671	0	%100
13	M7A	X	4.626	4.626	0	%100
14	M7A	Z	-2.671	-2.671	0	%100
15	M23A	X	18.505	18.505	0	%100
16	M23A	Z	-10.684	-10.684	0	%100
17	M24	X	18.505	18.505	0	%100
18	M24	Z	-10.684	-10.684	0	%100
19	M39A	X	4.626	4.626	0	%100
20	M39A	Z	-2.671	-2.671	0	%100
21	M40	X	4.626	4.626	0	%100
22	M40	Z	-2.671	-2.671	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	10.305	10.305	0	%100
26	M56	Z	-5.949	-5.949	0	%100
27	M22	X	2.197	2.197	0	%100
28	M22	Z	-1.269	-1.269	0	%100
29	M23	X	8.79	8.79	0	%100
30	M23	Z	-5.075	-5.075	0	%100
31	M24A	X	2.197	2.197	0	%100
32	M24A	Z	-1.269	-1.269	0	%100
33	MP4A	X	8.79	8.79	0	%100
34	MP4A	Z	-5.075	-5.075	0	%100
35	MP3A	X	8.79	8.79	0	%100
36	MP3A	Z	-5.075	-5.075	0	%100

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,%]
37	MP2A	X	8.79	8.79	0	%100
38	MP2A	Z	-5.075	-5.075	0	%100
39	MP1A	X	10.64	10.64	0	%100
40	MP1A	Z	-6.143	-6.143	0	%100
41	MP4C	X	8.79	8.79	0	%100
42	MP4C	Z	-5.075	-5.075	0	%100
43	MP3C	X	8.79	8.79	0	%100
44	MP3C	Z	-5.075	-5.075	0	%100
45	MP2C	X	8.79	8.79	0	%100
46	MP2C	Z	-5.075	-5.075	0	%100
47	MP1C	X	10.64	10.64	0	%100
48	MP1C	Z	-6.143	-6.143	0	%100
49	MP4B	X	8.79	8.79	0	%100
50	MP4B	Z	-5.075	-5.075	0	%100
51	MP3B	X	8.79	8.79	0	%100
52	MP3B	Z	-5.075	-5.075	0	%100
53	MP2B	X	8.79	8.79	0	%100
54	MP2B	Z	-5.075	-5.075	0	%100
55	MP1B	X	10.64	10.64	0	%100
56	MP1B	Z	-6.143	-6.143	0	%100
57	M57A	X	0	0	0	%100
58	M57A	Z	0	0	0	%100
59	M58A	X	7.897	7.897	0	%100
60	M58A	Z	-4.559	-4.559	0	%100
61	M65	X	5.817	5.817	0	%100
62	M65	Z	-3.358	-3.358	0	%100
63	M66	X	1.454	1.454	0	%100
64	M66	Z	-.84	-.84	0	%100
65	M67	X	1.454	1.454	0	%100
66	M67	Z	-.84	-.84	0	%100
67	OVP	X	8.01	8.01	0	%100
68	OVP	Z	-4.625	-4.625	0	%100
69	M81	X	16.075	16.075	0	%100
70	M81	Z	-9.281	-9.281	0	%100
71	M73	X	8.785	8.785	0	%100
72	M73	Z	-5.072	-5.072	0	%100
73	M74	X	16.075	16.075	0	%100
74	M74	Z	-9.281	-9.281	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	12.158	12.158	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	15.865	15.865	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	18.019	18.019	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	4.505	4.505	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	4.505	4.505	0	%100
10	M7	Z	0	0	0	%100

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,%]
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	0	0	0	%100
15	M23A	X	16.026	16.026	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	16.026	16.026	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	16.026	16.026	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	16.026	16.026	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	3.966	3.966	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	3.966	3.966	0	%100
26	M56	Z	0	0	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	7.612	7.612	0	%100
30	M23	Z	0	0	0	%100
31	M24A	X	7.612	7.612	0	%100
32	M24A	Z	0	0	0	%100
33	MP4A	X	10.15	10.15	0	%100
34	MP4A	Z	0	0	0	%100
35	MP3A	X	10.15	10.15	0	%100
36	MP3A	Z	0	0	0	%100
37	MP2A	X	10.15	10.15	0	%100
38	MP2A	Z	0	0	0	%100
39	MP1A	X	12.286	12.286	0	%100
40	MP1A	Z	0	0	0	%100
41	MP4C	X	10.15	10.15	0	%100
42	MP4C	Z	0	0	0	%100
43	MP3C	X	10.15	10.15	0	%100
44	MP3C	Z	0	0	0	%100
45	MP2C	X	10.15	10.15	0	%100
46	MP2C	Z	0	0	0	%100
47	MP1C	X	12.286	12.286	0	%100
48	MP1C	Z	0	0	0	%100
49	MP4B	X	10.15	10.15	0	%100
50	MP4B	Z	0	0	0	%100
51	MP3B	X	10.15	10.15	0	%100
52	MP3B	Z	0	0	0	%100
53	MP2B	X	10.15	10.15	0	%100
54	MP2B	Z	0	0	0	%100
55	MP1B	X	12.286	12.286	0	%100
56	MP1B	Z	0	0	0	%100
57	M57A	X	3.039	3.039	0	%100
58	M57A	Z	0	0	0	%100
59	M58A	X	3.039	3.039	0	%100
60	M58A	Z	0	0	0	%100
61	M65	X	5.038	5.038	0	%100
62	M65	Z	0	0	0	%100

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,%]
63	M66	X	0	0	0	%100
64	M66	Z	0	0	0	%100
65	M67	X	5.038	5.038	0	%100
66	M67	Z	0	0	0	%100
67	OVP	X	9.249	9.249	0	%100
68	OVP	Z	0	0	0	%100
69	M81	X	21.368	21.368	0	%100
70	M81	Z	0	0	0	%100
71	M73	X	12.95	12.95	0	%100
72	M73	Z	0	0	0	%100
73	M74	X	12.95	12.95	0	%100
74	M74	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	7.897	7.897	0	%100
2	M1	Z	4.559	4.559	0	%100
3	M2	X	10.305	10.305	0	%100
4	M2	Z	5.949	5.949	0	%100
5	M5	X	11.704	11.704	0	%100
6	M5	Z	6.757	6.757	0	%100
7	M6	X	11.704	11.704	0	%100
8	M6	Z	6.757	6.757	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	4.626	4.626	0	%100
12	M6A	Z	2.671	2.671	0	%100
13	M7A	X	4.626	4.626	0	%100
14	M7A	Z	2.671	2.671	0	%100
15	M23A	X	4.626	4.626	0	%100
16	M23A	Z	2.671	2.671	0	%100
17	M24	X	4.626	4.626	0	%100
18	M24	Z	2.671	2.671	0	%100
19	M39A	X	18.505	18.505	0	%100
20	M39A	Z	10.684	10.684	0	%100
21	M40	X	18.505	18.505	0	%100
22	M40	Z	10.684	10.684	0	%100
23	M55	X	10.305	10.305	0	%100
24	M55	Z	5.949	5.949	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M22	X	2.197	2.197	0	%100
28	M22	Z	1.269	1.269	0	%100
29	M23	X	2.197	2.197	0	%100
30	M23	Z	1.269	1.269	0	%100
31	M24A	X	8.79	8.79	0	%100
32	M24A	Z	5.075	5.075	0	%100
33	MP4A	X	8.79	8.79	0	%100
34	MP4A	Z	5.075	5.075	0	%100
35	MP3A	X	8.79	8.79	0	%100
36	MP3A	Z	5.075	5.075	0	%100

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,%]
37	MP2A	X	8.79	8.79	0	%100
38	MP2A	Z	5.075	5.075	0	%100
39	MP1A	X	10.64	10.64	0	%100
40	MP1A	Z	6.143	6.143	0	%100
41	MP4C	X	8.79	8.79	0	%100
42	MP4C	Z	5.075	5.075	0	%100
43	MP3C	X	8.79	8.79	0	%100
44	MP3C	Z	5.075	5.075	0	%100
45	MP2C	X	8.79	8.79	0	%100
46	MP2C	Z	5.075	5.075	0	%100
47	MP1C	X	10.64	10.64	0	%100
48	MP1C	Z	6.143	6.143	0	%100
49	MP4B	X	8.79	8.79	0	%100
50	MP4B	Z	5.075	5.075	0	%100
51	MP3B	X	8.79	8.79	0	%100
52	MP3B	Z	5.075	5.075	0	%100
53	MP2B	X	8.79	8.79	0	%100
54	MP2B	Z	5.075	5.075	0	%100
55	MP1B	X	10.64	10.64	0	%100
56	MP1B	Z	6.143	6.143	0	%100
57	M57A	X	7.897	7.897	0	%100
58	M57A	Z	4.559	4.559	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	0	0	0	%100
61	M65	X	1.454	1.454	0	%100
62	M65	Z	.84	.84	0	%100
63	M66	X	1.454	1.454	0	%100
64	M66	Z	.84	.84	0	%100
65	M67	X	5.817	5.817	0	%100
66	M67	Z	3.358	3.358	0	%100
67	OVP	X	8.01	8.01	0	%100
68	OVP	Z	4.625	4.625	0	%100
69	M81	X	16.075	16.075	0	%100
70	M81	Z	9.281	9.281	0	%100
71	M73	X	16.075	16.075	0	%100
72	M73	Z	9.281	9.281	0	%100
73	M74	X	8.785	8.785	0	%100
74	M74	Z	5.072	5.072	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	1.52	1.52	0	%100
2	M1	Z	2.632	2.632	0	%100
3	M2	X	1.983	1.983	0	%100
4	M2	Z	3.435	3.435	0	%100
5	M5	X	2.252	2.252	0	%100
6	M5	Z	3.901	3.901	0	%100
7	M6	X	9.009	9.009	0	%100
8	M6	Z	15.605	15.605	0	%100
9	M7	X	2.252	2.252	0	%100
10	M7	Z	3.901	3.901	0	%100

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,%]
11	M6A	X	8.013	8.013	0	%100
12	M6A	Z	13.879	13.879	0	%100
13	M7A	X	8.013	8.013	0	%100
14	M7A	Z	13.879	13.879	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	8.013	8.013	0	%100
20	M39A	Z	13.879	13.879	0	%100
21	M40	X	8.013	8.013	0	%100
22	M40	Z	13.879	13.879	0	%100
23	M55	X	7.933	7.933	0	%100
24	M55	Z	13.74	13.74	0	%100
25	M56	X	1.983	1.983	0	%100
26	M56	Z	3.435	3.435	0	%100
27	M22	X	3.806	3.806	0	%100
28	M22	Z	6.592	6.592	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M24A	X	3.806	3.806	0	%100
32	M24A	Z	6.592	6.592	0	%100
33	MP4A	X	5.075	5.075	0	%100
34	MP4A	Z	8.79	8.79	0	%100
35	MP3A	X	5.075	5.075	0	%100
36	MP3A	Z	8.79	8.79	0	%100
37	MP2A	X	5.075	5.075	0	%100
38	MP2A	Z	8.79	8.79	0	%100
39	MP1A	X	6.143	6.143	0	%100
40	MP1A	Z	10.64	10.64	0	%100
41	MP4C	X	5.075	5.075	0	%100
42	MP4C	Z	8.79	8.79	0	%100
43	MP3C	X	5.075	5.075	0	%100
44	MP3C	Z	8.79	8.79	0	%100
45	MP2C	X	5.075	5.075	0	%100
46	MP2C	Z	8.79	8.79	0	%100
47	MP1C	X	6.143	6.143	0	%100
48	MP1C	Z	10.64	10.64	0	%100
49	MP4B	X	5.075	5.075	0	%100
50	MP4B	Z	8.79	8.79	0	%100
51	MP3B	X	5.075	5.075	0	%100
52	MP3B	Z	8.79	8.79	0	%100
53	MP2B	X	5.075	5.075	0	%100
54	MP2B	Z	8.79	8.79	0	%100
55	MP1B	X	6.143	6.143	0	%100
56	MP1B	Z	10.64	10.64	0	%100
57	M57A	X	6.079	6.079	0	%100
58	M57A	Z	10.529	10.529	0	%100
59	M58A	X	1.52	1.52	0	%100
60	M58A	Z	2.632	2.632	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	0	0	0	%100

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,%]
63	M66	X	2.519	2.519	0	%100
64	M66	Z	4.363	4.363	0	%100
65	M67	X	2.519	2.519	0	%100
66	M67	Z	4.363	4.363	0	%100
67	OVP	X	4.625	4.625	0	%100
68	OVP	Z	8.01	8.01	0	%100
69	M81	X	6.475	6.475	0	%100
70	M81	Z	11.215	11.215	0	%100
71	M73	X	10.684	10.684	0	%100
72	M73	Z	18.505	18.505	0	%100
73	M74	X	6.475	6.475	0	%100
74	M74	Z	11.215	11.215	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	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	13.514	13.514	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	13.514	13.514	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	21.368	21.368	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	21.368	21.368	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	5.342	5.342	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	5.342	5.342	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	5.342	5.342	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	5.342	5.342	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	11.899	11.899	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	11.899	11.899	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	10.15	10.15	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	2.537	2.537	0	%100
31	M24A	X	0	0	0	%100
32	M24A	Z	2.537	2.537	0	%100
33	MP4A	X	0	0	0	%100
34	MP4A	Z	10.15	10.15	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	10.15	10.15	0	%100

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,%]	End Location[in,%]
37	MP2A	X	0	0	0	%100
38	MP2A	Z	10.15	10.15	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	12.286	12.286	0	%100
41	MP4C	X	0	0	0	%100
42	MP4C	Z	10.15	10.15	0	%100
43	MP3C	X	0	0	0	%100
44	MP3C	Z	10.15	10.15	0	%100
45	MP2C	X	0	0	0	%100
46	MP2C	Z	10.15	10.15	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	12.286	12.286	0	%100
49	MP4B	X	0	0	0	%100
50	MP4B	Z	10.15	10.15	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	10.15	10.15	0	%100
53	MP2B	X	0	0	0	%100
54	MP2B	Z	10.15	10.15	0	%100
55	MP1B	X	0	0	0	%100
56	MP1B	Z	12.286	12.286	0	%100
57	M57A	X	0	0	0	%100
58	M57A	Z	9.118	9.118	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	9.118	9.118	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	1.679	1.679	0	%100
63	M66	X	0	0	0	%100
64	M66	Z	6.717	6.717	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	1.679	1.679	0	%100
67	OVP	X	0	0	0	%100
68	OVP	Z	9.249	9.249	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	10.144	10.144	0	%100
71	M73	X	0	0	0	%100
72	M73	Z	18.562	18.562	0	%100
73	M74	X	0	0	0	%100
74	M74	Z	18.562	18.562	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,%]	End Location[in,%]
1	M1	X	-1.52	-1.52	0	%100
2	M1	Z	2.632	2.632	0	%100
3	M2	X	-1.983	-1.983	0	%100
4	M2	Z	3.435	3.435	0	%100
5	M5	X	-2.252	-2.252	0	%100
6	M5	Z	3.901	3.901	0	%100
7	M6	X	-2.252	-2.252	0	%100
8	M6	Z	3.901	3.901	0	%100
9	M7	X	-9.009	-9.009	0	%100
10	M7	Z	15.605	15.605	0	%100

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,%]
11	M6A	X	-8.013	-8.013	0	%100
12	M6A	Z	13.879	13.879	0	%100
13	M7A	X	-8.013	-8.013	0	%100
14	M7A	Z	13.879	13.879	0	%100
15	M23A	X	-8.013	-8.013	0	%100
16	M23A	Z	13.879	13.879	0	%100
17	M24	X	-8.013	-8.013	0	%100
18	M24	Z	13.879	13.879	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	-1.983	-1.983	0	%100
24	M55	Z	3.435	3.435	0	%100
25	M56	X	-7.933	-7.933	0	%100
26	M56	Z	13.74	13.74	0	%100
27	M22	X	-3.806	-3.806	0	%100
28	M22	Z	6.592	6.592	0	%100
29	M23	X	-3.806	-3.806	0	%100
30	M23	Z	6.592	6.592	0	%100
31	M24A	X	0	0	0	%100
32	M24A	Z	0	0	0	%100
33	MP4A	X	-5.075	-5.075	0	%100
34	MP4A	Z	8.79	8.79	0	%100
35	MP3A	X	-5.075	-5.075	0	%100
36	MP3A	Z	8.79	8.79	0	%100
37	MP2A	X	-5.075	-5.075	0	%100
38	MP2A	Z	8.79	8.79	0	%100
39	MP1A	X	-6.143	-6.143	0	%100
40	MP1A	Z	10.64	10.64	0	%100
41	MP4C	X	-5.075	-5.075	0	%100
42	MP4C	Z	8.79	8.79	0	%100
43	MP3C	X	-5.075	-5.075	0	%100
44	MP3C	Z	8.79	8.79	0	%100
45	MP2C	X	-5.075	-5.075	0	%100
46	MP2C	Z	8.79	8.79	0	%100
47	MP1C	X	-6.143	-6.143	0	%100
48	MP1C	Z	10.64	10.64	0	%100
49	MP4B	X	-5.075	-5.075	0	%100
50	MP4B	Z	8.79	8.79	0	%100
51	MP3B	X	-5.075	-5.075	0	%100
52	MP3B	Z	8.79	8.79	0	%100
53	MP2B	X	-5.075	-5.075	0	%100
54	MP2B	Z	8.79	8.79	0	%100
55	MP1B	X	-6.143	-6.143	0	%100
56	MP1B	Z	10.64	10.64	0	%100
57	M57A	X	-1.52	-1.52	0	%100
58	M57A	Z	2.632	2.632	0	%100
59	M58A	X	-6.079	-6.079	0	%100
60	M58A	Z	10.529	10.529	0	%100
61	M65	X	-2.519	-2.519	0	%100
62	M65	Z	4.363	4.363	0	%100

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,%]
63	M66	X	-2.519	-2.519	0	%100
64	M66	Z	4.363	4.363	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	0	0	0	%100
67	OVP	X	-4.625	-4.625	0	%100
68	OVP	Z	8.01	8.01	0	%100
69	M81	X	-6.475	-6.475	0	%100
70	M81	Z	11.215	11.215	0	%100
71	M73	X	-6.475	-6.475	0	%100
72	M73	Z	11.215	11.215	0	%100
73	M74	X	-10.684	-10.684	0	%100
74	M74	Z	18.505	18.505	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,%]	End Location[in,%]
1	M1	X	-7.897	-7.897	0	%100
2	M1	Z	4.559	4.559	0	%100
3	M2	X	-10.305	-10.305	0	%100
4	M2	Z	5.949	5.949	0	%100
5	M5	X	-11.704	-11.704	0	%100
6	M5	Z	6.757	6.757	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-11.704	-11.704	0	%100
10	M7	Z	6.757	6.757	0	%100
11	M6A	X	-4.626	-4.626	0	%100
12	M6A	Z	2.671	2.671	0	%100
13	M7A	X	-4.626	-4.626	0	%100
14	M7A	Z	2.671	2.671	0	%100
15	M23A	X	-18.505	-18.505	0	%100
16	M23A	Z	10.684	10.684	0	%100
17	M24	X	-18.505	-18.505	0	%100
18	M24	Z	10.684	10.684	0	%100
19	M39A	X	-4.626	-4.626	0	%100
20	M39A	Z	2.671	2.671	0	%100
21	M40	X	-4.626	-4.626	0	%100
22	M40	Z	2.671	2.671	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-10.305	-10.305	0	%100
26	M56	Z	5.949	5.949	0	%100
27	M22	X	-2.197	-2.197	0	%100
28	M22	Z	1.269	1.269	0	%100
29	M23	X	-8.79	-8.79	0	%100
30	M23	Z	5.075	5.075	0	%100
31	M24A	X	-2.197	-2.197	0	%100
32	M24A	Z	1.269	1.269	0	%100
33	MP4A	X	-8.79	-8.79	0	%100
34	MP4A	Z	5.075	5.075	0	%100
35	MP3A	X	-8.79	-8.79	0	%100
36	MP3A	Z	5.075	5.075	0	%100

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,%]	End Location[in,%]
37	MP2A	X	-8.79	-8.79	0	%100
38	MP2A	Z	5.075	5.075	0	%100
39	MP1A	X	-10.64	-10.64	0	%100
40	MP1A	Z	6.143	6.143	0	%100
41	MP4C	X	-8.79	-8.79	0	%100
42	MP4C	Z	5.075	5.075	0	%100
43	MP3C	X	-8.79	-8.79	0	%100
44	MP3C	Z	5.075	5.075	0	%100
45	MP2C	X	-8.79	-8.79	0	%100
46	MP2C	Z	5.075	5.075	0	%100
47	MP1C	X	-10.64	-10.64	0	%100
48	MP1C	Z	6.143	6.143	0	%100
49	MP4B	X	-8.79	-8.79	0	%100
50	MP4B	Z	5.075	5.075	0	%100
51	MP3B	X	-8.79	-8.79	0	%100
52	MP3B	Z	5.075	5.075	0	%100
53	MP2B	X	-8.79	-8.79	0	%100
54	MP2B	Z	5.075	5.075	0	%100
55	MP1B	X	-10.64	-10.64	0	%100
56	MP1B	Z	6.143	6.143	0	%100
57	M57A	X	0	0	0	%100
58	M57A	Z	0	0	0	%100
59	M58A	X	-7.897	-7.897	0	%100
60	M58A	Z	4.559	4.559	0	%100
61	M65	X	-5.817	-5.817	0	%100
62	M65	Z	3.358	3.358	0	%100
63	M66	X	-1.454	-1.454	0	%100
64	M66	Z	.84	.84	0	%100
65	M67	X	-1.454	-1.454	0	%100
66	M67	Z	.84	.84	0	%100
67	OVP	X	-8.01	-8.01	0	%100
68	OVP	Z	4.625	4.625	0	%100
69	M81	X	-16.075	-16.075	0	%100
70	M81	Z	9.281	9.281	0	%100
71	M73	X	-8.785	-8.785	0	%100
72	M73	Z	5.072	5.072	0	%100
73	M74	X	-16.075	-16.075	0	%100
74	M74	Z	9.281	9.281	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	-12.158	-12.158	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-15.865	-15.865	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-18.019	-18.019	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-4.505	-4.505	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-4.505	-4.505	0	%100
10	M7	Z	0	0	0	%100

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,%]
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	0	0	0	%100
15	M23A	X	-16.026	-16.026	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	-16.026	-16.026	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	-16.026	-16.026	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	-16.026	-16.026	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	-3.966	-3.966	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-3.966	-3.966	0	%100
26	M56	Z	0	0	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	-7.612	-7.612	0	%100
30	M23	Z	0	0	0	%100
31	M24A	X	-7.612	-7.612	0	%100
32	M24A	Z	0	0	0	%100
33	MP4A	X	-10.15	-10.15	0	%100
34	MP4A	Z	0	0	0	%100
35	MP3A	X	-10.15	-10.15	0	%100
36	MP3A	Z	0	0	0	%100
37	MP2A	X	-10.15	-10.15	0	%100
38	MP2A	Z	0	0	0	%100
39	MP1A	X	-12.286	-12.286	0	%100
40	MP1A	Z	0	0	0	%100
41	MP4C	X	-10.15	-10.15	0	%100
42	MP4C	Z	0	0	0	%100
43	MP3C	X	-10.15	-10.15	0	%100
44	MP3C	Z	0	0	0	%100
45	MP2C	X	-10.15	-10.15	0	%100
46	MP2C	Z	0	0	0	%100
47	MP1C	X	-12.286	-12.286	0	%100
48	MP1C	Z	0	0	0	%100
49	MP4B	X	-10.15	-10.15	0	%100
50	MP4B	Z	0	0	0	%100
51	MP3B	X	-10.15	-10.15	0	%100
52	MP3B	Z	0	0	0	%100
53	MP2B	X	-10.15	-10.15	0	%100
54	MP2B	Z	0	0	0	%100
55	MP1B	X	-12.286	-12.286	0	%100
56	MP1B	Z	0	0	0	%100
57	M57A	X	-3.039	-3.039	0	%100
58	M57A	Z	0	0	0	%100
59	M58A	X	-3.039	-3.039	0	%100
60	M58A	Z	0	0	0	%100
61	M65	X	-5.038	-5.038	0	%100
62	M65	Z	0	0	0	%100

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,%]
63	M66	X	0	0	0	%100
64	M66	Z	0	0	0	%100
65	M67	X	-5.038	-5.038	0	%100
66	M67	Z	0	0	0	%100
67	OVP	X	-9.249	-9.249	0	%100
68	OVP	Z	0	0	0	%100
69	M81	X	-21.368	-21.368	0	%100
70	M81	Z	0	0	0	%100
71	M73	X	-12.95	-12.95	0	%100
72	M73	Z	0	0	0	%100
73	M74	X	-12.95	-12.95	0	%100
74	M74	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	-7.897	-7.897	0	%100
2	M1	Z	-4.559	-4.559	0	%100
3	M2	X	-10.305	-10.305	0	%100
4	M2	Z	-5.949	-5.949	0	%100
5	M5	X	-11.704	-11.704	0	%100
6	M5	Z	-6.757	-6.757	0	%100
7	M6	X	-11.704	-11.704	0	%100
8	M6	Z	-6.757	-6.757	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	-4.626	-4.626	0	%100
12	M6A	Z	-2.671	-2.671	0	%100
13	M7A	X	-4.626	-4.626	0	%100
14	M7A	Z	-2.671	-2.671	0	%100
15	M23A	X	-4.626	-4.626	0	%100
16	M23A	Z	-2.671	-2.671	0	%100
17	M24	X	-4.626	-4.626	0	%100
18	M24	Z	-2.671	-2.671	0	%100
19	M39A	X	-18.505	-18.505	0	%100
20	M39A	Z	-10.684	-10.684	0	%100
21	M40	X	-18.505	-18.505	0	%100
22	M40	Z	-10.684	-10.684	0	%100
23	M55	X	-10.305	-10.305	0	%100
24	M55	Z	-5.949	-5.949	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M22	X	-2.197	-2.197	0	%100
28	M22	Z	-1.269	-1.269	0	%100
29	M23	X	-2.197	-2.197	0	%100
30	M23	Z	-1.269	-1.269	0	%100
31	M24A	X	-8.79	-8.79	0	%100
32	M24A	Z	-5.075	-5.075	0	%100
33	MP4A	X	-8.79	-8.79	0	%100
34	MP4A	Z	-5.075	-5.075	0	%100
35	MP3A	X	-8.79	-8.79	0	%100
36	MP3A	Z	-5.075	-5.075	0	%100

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,%]
37	MP2A	X	-8.79	-8.79	0	%100
38	MP2A	Z	-5.075	-5.075	0	%100
39	MP1A	X	-10.64	-10.64	0	%100
40	MP1A	Z	-6.143	-6.143	0	%100
41	MP4C	X	-8.79	-8.79	0	%100
42	MP4C	Z	-5.075	-5.075	0	%100
43	MP3C	X	-8.79	-8.79	0	%100
44	MP3C	Z	-5.075	-5.075	0	%100
45	MP2C	X	-8.79	-8.79	0	%100
46	MP2C	Z	-5.075	-5.075	0	%100
47	MP1C	X	-10.64	-10.64	0	%100
48	MP1C	Z	-6.143	-6.143	0	%100
49	MP4B	X	-8.79	-8.79	0	%100
50	MP4B	Z	-5.075	-5.075	0	%100
51	MP3B	X	-8.79	-8.79	0	%100
52	MP3B	Z	-5.075	-5.075	0	%100
53	MP2B	X	-8.79	-8.79	0	%100
54	MP2B	Z	-5.075	-5.075	0	%100
55	MP1B	X	-10.64	-10.64	0	%100
56	MP1B	Z	-6.143	-6.143	0	%100
57	M57A	X	-7.897	-7.897	0	%100
58	M57A	Z	-4.559	-4.559	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	0	0	0	%100
61	M65	X	-1.454	-1.454	0	%100
62	M65	Z	-.84	-.84	0	%100
63	M66	X	-1.454	-1.454	0	%100
64	M66	Z	-.84	-.84	0	%100
65	M67	X	-5.817	-5.817	0	%100
66	M67	Z	-3.358	-3.358	0	%100
67	OVP	X	-8.01	-8.01	0	%100
68	OVP	Z	-4.625	-4.625	0	%100
69	M81	X	-16.075	-16.075	0	%100
70	M81	Z	-9.281	-9.281	0	%100
71	M73	X	-16.075	-16.075	0	%100
72	M73	Z	-9.281	-9.281	0	%100
73	M74	X	-8.785	-8.785	0	%100
74	M74	Z	-5.072	-5.072	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	-1.52	-1.52	0	%100
2	M1	Z	-2.632	-2.632	0	%100
3	M2	X	-1.983	-1.983	0	%100
4	M2	Z	-3.435	-3.435	0	%100
5	M5	X	-2.252	-2.252	0	%100
6	M5	Z	-3.901	-3.901	0	%100
7	M6	X	-9.009	-9.009	0	%100
8	M6	Z	-15.605	-15.605	0	%100
9	M7	X	-2.252	-2.252	0	%100
10	M7	Z	-3.901	-3.901	0	%100

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,%]
11	M6A	X	-8.013	-8.013	0	%100
12	M6A	Z	-13.879	-13.879	0	%100
13	M7A	X	-8.013	-8.013	0	%100
14	M7A	Z	-13.879	-13.879	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	-8.013	-8.013	0	%100
20	M39A	Z	-13.879	-13.879	0	%100
21	M40	X	-8.013	-8.013	0	%100
22	M40	Z	-13.879	-13.879	0	%100
23	M55	X	-7.933	-7.933	0	%100
24	M55	Z	-13.74	-13.74	0	%100
25	M56	X	-1.983	-1.983	0	%100
26	M56	Z	-3.435	-3.435	0	%100
27	M22	X	-3.806	-3.806	0	%100
28	M22	Z	-6.592	-6.592	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M24A	X	-3.806	-3.806	0	%100
32	M24A	Z	-6.592	-6.592	0	%100
33	MP4A	X	-5.075	-5.075	0	%100
34	MP4A	Z	-8.79	-8.79	0	%100
35	MP3A	X	-5.075	-5.075	0	%100
36	MP3A	Z	-8.79	-8.79	0	%100
37	MP2A	X	-5.075	-5.075	0	%100
38	MP2A	Z	-8.79	-8.79	0	%100
39	MP1A	X	-6.143	-6.143	0	%100
40	MP1A	Z	-10.64	-10.64	0	%100
41	MP4C	X	-5.075	-5.075	0	%100
42	MP4C	Z	-8.79	-8.79	0	%100
43	MP3C	X	-5.075	-5.075	0	%100
44	MP3C	Z	-8.79	-8.79	0	%100
45	MP2C	X	-5.075	-5.075	0	%100
46	MP2C	Z	-8.79	-8.79	0	%100
47	MP1C	X	-6.143	-6.143	0	%100
48	MP1C	Z	-10.64	-10.64	0	%100
49	MP4B	X	-5.075	-5.075	0	%100
50	MP4B	Z	-8.79	-8.79	0	%100
51	MP3B	X	-5.075	-5.075	0	%100
52	MP3B	Z	-8.79	-8.79	0	%100
53	MP2B	X	-5.075	-5.075	0	%100
54	MP2B	Z	-8.79	-8.79	0	%100
55	MP1B	X	-6.143	-6.143	0	%100
56	MP1B	Z	-10.64	-10.64	0	%100
57	M57A	X	-6.079	-6.079	0	%100
58	M57A	Z	-10.529	-10.529	0	%100
59	M58A	X	-1.52	-1.52	0	%100
60	M58A	Z	-2.632	-2.632	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	0	0	0	%100

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,%]
63	M66	X	-2.519	-2.519	0	%100
64	M66	Z	-4.363	-4.363	0	%100
65	M67	X	-2.519	-2.519	0	%100
66	M67	Z	-4.363	-4.363	0	%100
67	OVP	X	-4.625	-4.625	0	%100
68	OVP	Z	-8.01	-8.01	0	%100
69	M81	X	-6.475	-6.475	0	%100
70	M81	Z	-11.215	-11.215	0	%100
71	M73	X	-10.684	-10.684	0	%100
72	M73	Z	-18.505	-18.505	0	%100
73	M74	X	-6.475	-6.475	0	%100
74	M74	Z	-11.215	-11.215	0	%100

Member Distributed Loads (BLC 53 : Structure Wi (0 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	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	-3.526	-3.526	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	-3.526	-3.526	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	-5.443	-5.443	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	-5.443	-5.443	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	-1.361	-1.361	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	-1.361	-1.361	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	-1.361	-1.361	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	-1.361	-1.361	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	-3.005	-3.005	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	-3.005	-3.005	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	-3.495	-3.495	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	-.874	-.874	0	%100
31	M24A	X	0	0	0	%100
32	M24A	Z	-.874	-.874	0	%100
33	MP4A	X	0	0	0	%100
34	MP4A	Z	-3.495	-3.495	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-3.495	-3.495	0	%100

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,%]
37	MP2A	X	0	0	0	%100
38	MP2A	Z	-3.495	-3.495	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	-3.866	-3.866	0	%100
41	MP4C	X	0	0	0	%100
42	MP4C	Z	-3.495	-3.495	0	%100
43	MP3C	X	0	0	0	%100
44	MP3C	Z	-3.495	-3.495	0	%100
45	MP2C	X	0	0	0	%100
46	MP2C	Z	-3.495	-3.495	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	-3.866	-3.866	0	%100
49	MP4B	X	0	0	0	%100
50	MP4B	Z	-3.495	-3.495	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	-3.495	-3.495	0	%100
53	MP2B	X	0	0	0	%100
54	MP2B	Z	-3.495	-3.495	0	%100
55	MP1B	X	0	0	0	%100
56	MP1B	Z	-3.866	-3.866	0	%100
57	M57A	X	0	0	0	%100
58	M57A	Z	-2.397	-2.397	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	-2.397	-2.397	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	-.579	-.579	0	%100
63	M66	X	0	0	0	%100
64	M66	Z	-2.317	-2.317	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	-.579	-.579	0	%100
67	OVP	X	0	0	0	%100
68	OVP	Z	-3.196	-3.196	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	-2.241	-2.241	0	%100
71	M73	X	0	0	0	%100
72	M73	Z	-4.642	-4.642	0	%100
73	M74	X	0	0	0	%100
74	M74	Z	-4.642	-4.642	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	.4	.4	0	%100
2	M1	Z	-.692	-.692	0	%100
3	M2	X	.501	.501	0	%100
4	M2	Z	-.867	-.867	0	%100
5	M5	X	.588	.588	0	%100
6	M5	Z	-1.018	-1.018	0	%100
7	M6	X	.588	.588	0	%100
8	M6	Z	-1.018	-1.018	0	%100
9	M7	X	2.351	2.351	0	%100
10	M7	Z	-4.072	-4.072	0	%100

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,%]
11	M6A	X	2.041	2.041	0	%100
12	M6A	Z	-3.535	-3.535	0	%100
13	M7A	X	2.041	2.041	0	%100
14	M7A	Z	-3.535	-3.535	0	%100
15	M23A	X	2.041	2.041	0	%100
16	M23A	Z	-3.535	-3.535	0	%100
17	M24	X	2.041	2.041	0	%100
18	M24	Z	-3.535	-3.535	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	.501	.501	0	%100
24	M55	Z	-.867	-.867	0	%100
25	M56	X	2.003	2.003	0	%100
26	M56	Z	-3.47	-3.47	0	%100
27	M22	X	1.311	1.311	0	%100
28	M22	Z	-2.27	-2.27	0	%100
29	M23	X	1.311	1.311	0	%100
30	M23	Z	-2.27	-2.27	0	%100
31	M24A	X	0	0	0	%100
32	M24A	Z	0	0	0	%100
33	MP4A	X	1.748	1.748	0	%100
34	MP4A	Z	-3.027	-3.027	0	%100
35	MP3A	X	1.748	1.748	0	%100
36	MP3A	Z	-3.027	-3.027	0	%100
37	MP2A	X	1.748	1.748	0	%100
38	MP2A	Z	-3.027	-3.027	0	%100
39	MP1A	X	1.933	1.933	0	%100
40	MP1A	Z	-3.348	-3.348	0	%100
41	MP4C	X	1.748	1.748	0	%100
42	MP4C	Z	-3.027	-3.027	0	%100
43	MP3C	X	1.748	1.748	0	%100
44	MP3C	Z	-3.027	-3.027	0	%100
45	MP2C	X	1.748	1.748	0	%100
46	MP2C	Z	-3.027	-3.027	0	%100
47	MP1C	X	1.933	1.933	0	%100
48	MP1C	Z	-3.348	-3.348	0	%100
49	MP4B	X	1.748	1.748	0	%100
50	MP4B	Z	-3.027	-3.027	0	%100
51	MP3B	X	1.748	1.748	0	%100
52	MP3B	Z	-3.027	-3.027	0	%100
53	MP2B	X	1.748	1.748	0	%100
54	MP2B	Z	-3.027	-3.027	0	%100
55	MP1B	X	1.933	1.933	0	%100
56	MP1B	Z	-3.348	-3.348	0	%100
57	M57A	X	.4	.4	0	%100
58	M57A	Z	-.692	-.692	0	%100
59	M58A	X	1.598	1.598	0	%100
60	M58A	Z	-2.768	-2.768	0	%100
61	M65	X	.869	.869	0	%100
62	M65	Z	-1.505	-1.505	0	%100

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,%]
63	M66	X	.869	.869	0	%100
64	M66	Z	-1.505	-1.505	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	0	0	0	%100
67	OVP	X	1.598	1.598	0	%100
68	OVP	Z	-2.768	-2.768	0	%100
69	M81	X	1.521	1.521	0	%100
70	M81	Z	-2.634	-2.634	0	%100
71	M73	X	1.521	1.521	0	%100
72	M73	Z	-2.634	-2.634	0	%100
73	M74	X	2.721	2.721	0	%100
74	M74	Z	-4.713	-4.713	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	2.076	2.076	0	%100
2	M1	Z	-1.199	-1.199	0	%100
3	M2	X	2.602	2.602	0	%100
4	M2	Z	-1.502	-1.502	0	%100
5	M5	X	3.054	3.054	0	%100
6	M5	Z	-1.763	-1.763	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	3.054	3.054	0	%100
10	M7	Z	-1.763	-1.763	0	%100
11	M6A	X	1.178	1.178	0	%100
12	M6A	Z	-.68	-.68	0	%100
13	M7A	X	1.178	1.178	0	%100
14	M7A	Z	-.68	-.68	0	%100
15	M23A	X	4.713	4.713	0	%100
16	M23A	Z	-2.721	-2.721	0	%100
17	M24	X	4.713	4.713	0	%100
18	M24	Z	-2.721	-2.721	0	%100
19	M39A	X	1.178	1.178	0	%100
20	M39A	Z	-.68	-.68	0	%100
21	M40	X	1.178	1.178	0	%100
22	M40	Z	-.68	-.68	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	2.602	2.602	0	%100
26	M56	Z	-1.502	-1.502	0	%100
27	M22	X	.757	.757	0	%100
28	M22	Z	-.437	-.437	0	%100
29	M23	X	3.027	3.027	0	%100
30	M23	Z	-1.748	-1.748	0	%100
31	M24A	X	.757	.757	0	%100
32	M24A	Z	-.437	-.437	0	%100
33	MP4A	X	3.027	3.027	0	%100
34	MP4A	Z	-1.748	-1.748	0	%100
35	MP3A	X	3.027	3.027	0	%100
36	MP3A	Z	-1.748	-1.748	0	%100

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,%]
37	MP2A	X	3.027	3.027	0	%100
38	MP2A	Z	-1.748	-1.748	0	%100
39	MP1A	X	3.348	3.348	0	%100
40	MP1A	Z	-1.933	-1.933	0	%100
41	MP4C	X	3.027	3.027	0	%100
42	MP4C	Z	-1.748	-1.748	0	%100
43	MP3C	X	3.027	3.027	0	%100
44	MP3C	Z	-1.748	-1.748	0	%100
45	MP2C	X	3.027	3.027	0	%100
46	MP2C	Z	-1.748	-1.748	0	%100
47	MP1C	X	3.348	3.348	0	%100
48	MP1C	Z	-1.933	-1.933	0	%100
49	MP4B	X	3.027	3.027	0	%100
50	MP4B	Z	-1.748	-1.748	0	%100
51	MP3B	X	3.027	3.027	0	%100
52	MP3B	Z	-1.748	-1.748	0	%100
53	MP2B	X	3.027	3.027	0	%100
54	MP2B	Z	-1.748	-1.748	0	%100
55	MP1B	X	3.348	3.348	0	%100
56	MP1B	Z	-1.933	-1.933	0	%100
57	M57A	X	0	0	0	%100
58	M57A	Z	0	0	0	%100
59	M58A	X	2.076	2.076	0	%100
60	M58A	Z	-1.199	-1.199	0	%100
61	M65	X	2.006	2.006	0	%100
62	M65	Z	-1.158	-1.158	0	%100
63	M66	X	.502	.502	0	%100
64	M66	Z	-.29	-.29	0	%100
65	M67	X	.502	.502	0	%100
66	M67	Z	-.29	-.29	0	%100
67	OVP	X	2.768	2.768	0	%100
68	OVP	Z	-1.598	-1.598	0	%100
69	M81	X	4.02	4.02	0	%100
70	M81	Z	-2.321	-2.321	0	%100
71	M73	X	1.941	1.941	0	%100
72	M73	Z	-1.12	-1.12	0	%100
73	M74	X	4.02	4.02	0	%100
74	M74	Z	-2.321	-2.321	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	3.196	3.196	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	4.006	4.006	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	4.702	4.702	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	1.175	1.175	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	1.175	1.175	0	%100
10	M7	Z	0	0	0	%100

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,%]
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	0	0	0	%100
15	M23A	X	4.082	4.082	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	4.082	4.082	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	4.082	4.082	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	4.082	4.082	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	1.002	1.002	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	1.002	1.002	0	%100
26	M56	Z	0	0	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	2.621	2.621	0	%100
30	M23	Z	0	0	0	%100
31	M24A	X	2.621	2.621	0	%100
32	M24A	Z	0	0	0	%100
33	MP4A	X	3.495	3.495	0	%100
34	MP4A	Z	0	0	0	%100
35	MP3A	X	3.495	3.495	0	%100
36	MP3A	Z	0	0	0	%100
37	MP2A	X	3.495	3.495	0	%100
38	MP2A	Z	0	0	0	%100
39	MP1A	X	3.866	3.866	0	%100
40	MP1A	Z	0	0	0	%100
41	MP4C	X	3.495	3.495	0	%100
42	MP4C	Z	0	0	0	%100
43	MP3C	X	3.495	3.495	0	%100
44	MP3C	Z	0	0	0	%100
45	MP2C	X	3.495	3.495	0	%100
46	MP2C	Z	0	0	0	%100
47	MP1C	X	3.866	3.866	0	%100
48	MP1C	Z	0	0	0	%100
49	MP4B	X	3.495	3.495	0	%100
50	MP4B	Z	0	0	0	%100
51	MP3B	X	3.495	3.495	0	%100
52	MP3B	Z	0	0	0	%100
53	MP2B	X	3.495	3.495	0	%100
54	MP2B	Z	0	0	0	%100
55	MP1B	X	3.866	3.866	0	%100
56	MP1B	Z	0	0	0	%100
57	M57A	X	.799	.799	0	%100
58	M57A	Z	0	0	0	%100
59	M58A	X	.799	.799	0	%100
60	M58A	Z	0	0	0	%100
61	M65	X	1.737	1.737	0	%100
62	M65	Z	0	0	0	%100

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,%]
63	M66	X	0	0	0	%100
64	M66	Z	0	0	0	%100
65	M67	X	1.737	1.737	0	%100
66	M67	Z	0	0	0	%100
67	OVP	X	3.196	3.196	0	%100
68	OVP	Z	0	0	0	%100
69	M81	X	5.443	5.443	0	%100
70	M81	Z	0	0	0	%100
71	M73	X	3.041	3.041	0	%100
72	M73	Z	0	0	0	%100
73	M74	X	3.041	3.041	0	%100
74	M74	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	2.076	2.076	0	%100
2	M1	Z	1.199	1.199	0	%100
3	M2	X	2.602	2.602	0	%100
4	M2	Z	1.502	1.502	0	%100
5	M5	X	3.054	3.054	0	%100
6	M5	Z	1.763	1.763	0	%100
7	M6	X	3.054	3.054	0	%100
8	M6	Z	1.763	1.763	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	1.178	1.178	0	%100
12	M6A	Z	.68	.68	0	%100
13	M7A	X	1.178	1.178	0	%100
14	M7A	Z	.68	.68	0	%100
15	M23A	X	1.178	1.178	0	%100
16	M23A	Z	.68	.68	0	%100
17	M24	X	1.178	1.178	0	%100
18	M24	Z	.68	.68	0	%100
19	M39A	X	4.713	4.713	0	%100
20	M39A	Z	2.721	2.721	0	%100
21	M40	X	4.713	4.713	0	%100
22	M40	Z	2.721	2.721	0	%100
23	M55	X	2.602	2.602	0	%100
24	M55	Z	1.502	1.502	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M22	X	.757	.757	0	%100
28	M22	Z	.437	.437	0	%100
29	M23	X	.757	.757	0	%100
30	M23	Z	.437	.437	0	%100
31	M24A	X	3.027	3.027	0	%100
32	M24A	Z	1.748	1.748	0	%100
33	MP4A	X	3.027	3.027	0	%100
34	MP4A	Z	1.748	1.748	0	%100
35	MP3A	X	3.027	3.027	0	%100
36	MP3A	Z	1.748	1.748	0	%100

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,%]
37	MP2A	X	3.027	3.027	0	%100
38	MP2A	Z	1.748	1.748	0	%100
39	MP1A	X	3.348	3.348	0	%100
40	MP1A	Z	1.933	1.933	0	%100
41	MP4C	X	3.027	3.027	0	%100
42	MP4C	Z	1.748	1.748	0	%100
43	MP3C	X	3.027	3.027	0	%100
44	MP3C	Z	1.748	1.748	0	%100
45	MP2C	X	3.027	3.027	0	%100
46	MP2C	Z	1.748	1.748	0	%100
47	MP1C	X	3.348	3.348	0	%100
48	MP1C	Z	1.933	1.933	0	%100
49	MP4B	X	3.027	3.027	0	%100
50	MP4B	Z	1.748	1.748	0	%100
51	MP3B	X	3.027	3.027	0	%100
52	MP3B	Z	1.748	1.748	0	%100
53	MP2B	X	3.027	3.027	0	%100
54	MP2B	Z	1.748	1.748	0	%100
55	MP1B	X	3.348	3.348	0	%100
56	MP1B	Z	1.933	1.933	0	%100
57	M57A	X	2.076	2.076	0	%100
58	M57A	Z	1.199	1.199	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	0	0	0	%100
61	M65	X	.502	.502	0	%100
62	M65	Z	.29	.29	0	%100
63	M66	X	.502	.502	0	%100
64	M66	Z	.29	.29	0	%100
65	M67	X	2.006	2.006	0	%100
66	M67	Z	1.158	1.158	0	%100
67	OVP	X	2.768	2.768	0	%100
68	OVP	Z	1.598	1.598	0	%100
69	M81	X	4.02	4.02	0	%100
70	M81	Z	2.321	2.321	0	%100
71	M73	X	4.02	4.02	0	%100
72	M73	Z	2.321	2.321	0	%100
73	M74	X	1.941	1.941	0	%100
74	M74	Z	1.12	1.12	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	.4	.4	0	%100
2	M1	Z	.692	.692	0	%100
3	M2	X	.501	.501	0	%100
4	M2	Z	.867	.867	0	%100
5	M5	X	.588	.588	0	%100
6	M5	Z	1.018	1.018	0	%100
7	M6	X	2.351	2.351	0	%100
8	M6	Z	4.072	4.072	0	%100
9	M7	X	.588	.588	0	%100
10	M7	Z	1.018	1.018	0	%100

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,%]
11	M6A	X	2.041	2.041	0	%100
12	M6A	Z	3.535	3.535	0	%100
13	M7A	X	2.041	2.041	0	%100
14	M7A	Z	3.535	3.535	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	2.041	2.041	0	%100
20	M39A	Z	3.535	3.535	0	%100
21	M40	X	2.041	2.041	0	%100
22	M40	Z	3.535	3.535	0	%100
23	M55	X	2.003	2.003	0	%100
24	M55	Z	3.47	3.47	0	%100
25	M56	X	.501	.501	0	%100
26	M56	Z	.867	.867	0	%100
27	M22	X	1.311	1.311	0	%100
28	M22	Z	2.27	2.27	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M24A	X	1.311	1.311	0	%100
32	M24A	Z	2.27	2.27	0	%100
33	MP4A	X	1.748	1.748	0	%100
34	MP4A	Z	3.027	3.027	0	%100
35	MP3A	X	1.748	1.748	0	%100
36	MP3A	Z	3.027	3.027	0	%100
37	MP2A	X	1.748	1.748	0	%100
38	MP2A	Z	3.027	3.027	0	%100
39	MP1A	X	1.933	1.933	0	%100
40	MP1A	Z	3.348	3.348	0	%100
41	MP4C	X	1.748	1.748	0	%100
42	MP4C	Z	3.027	3.027	0	%100
43	MP3C	X	1.748	1.748	0	%100
44	MP3C	Z	3.027	3.027	0	%100
45	MP2C	X	1.748	1.748	0	%100
46	MP2C	Z	3.027	3.027	0	%100
47	MP1C	X	1.933	1.933	0	%100
48	MP1C	Z	3.348	3.348	0	%100
49	MP4B	X	1.748	1.748	0	%100
50	MP4B	Z	3.027	3.027	0	%100
51	MP3B	X	1.748	1.748	0	%100
52	MP3B	Z	3.027	3.027	0	%100
53	MP2B	X	1.748	1.748	0	%100
54	MP2B	Z	3.027	3.027	0	%100
55	MP1B	X	1.933	1.933	0	%100
56	MP1B	Z	3.348	3.348	0	%100
57	M57A	X	1.598	1.598	0	%100
58	M57A	Z	2.768	2.768	0	%100
59	M58A	X	.4	.4	0	%100
60	M58A	Z	.692	.692	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	0	0	0	%100

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,%]
63	M66	X	.869	.869	0	%100
64	M66	Z	1.505	1.505	0	%100
65	M67	X	.869	.869	0	%100
66	M67	Z	1.505	1.505	0	%100
67	OVP	X	1.598	1.598	0	%100
68	OVP	Z	2.768	2.768	0	%100
69	M81	X	1.521	1.521	0	%100
70	M81	Z	2.634	2.634	0	%100
71	M73	X	2.721	2.721	0	%100
72	M73	Z	4.713	4.713	0	%100
73	M74	X	1.521	1.521	0	%100
74	M74	Z	2.634	2.634	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,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	3.526	3.526	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	3.526	3.526	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	5.443	5.443	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	5.443	5.443	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	1.361	1.361	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	1.361	1.361	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	1.361	1.361	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	1.361	1.361	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	3.005	3.005	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	3.005	3.005	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	3.495	3.495	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	.874	.874	0	%100
31	M24A	X	0	0	0	%100
32	M24A	Z	.874	.874	0	%100
33	MP4A	X	0	0	0	%100
34	MP4A	Z	3.495	3.495	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	3.495	3.495	0	%100

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,%]
37	MP2A	X	0	0	0	%100
38	MP2A	Z	3.495	3.495	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	3.866	3.866	0	%100
41	MP4C	X	0	0	0	%100
42	MP4C	Z	3.495	3.495	0	%100
43	MP3C	X	0	0	0	%100
44	MP3C	Z	3.495	3.495	0	%100
45	MP2C	X	0	0	0	%100
46	MP2C	Z	3.495	3.495	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	3.866	3.866	0	%100
49	MP4B	X	0	0	0	%100
50	MP4B	Z	3.495	3.495	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	3.495	3.495	0	%100
53	MP2B	X	0	0	0	%100
54	MP2B	Z	3.495	3.495	0	%100
55	MP1B	X	0	0	0	%100
56	MP1B	Z	3.866	3.866	0	%100
57	M57A	X	0	0	0	%100
58	M57A	Z	2.397	2.397	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	2.397	2.397	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	.579	.579	0	%100
63	M66	X	0	0	0	%100
64	M66	Z	2.317	2.317	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	.579	.579	0	%100
67	OVP	X	0	0	0	%100
68	OVP	Z	3.196	3.196	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	2.241	2.241	0	%100
71	M73	X	0	0	0	%100
72	M73	Z	4.642	4.642	0	%100
73	M74	X	0	0	0	%100
74	M74	Z	4.642	4.642	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	-.4	-.4	0	%100
2	M1	Z	.692	.692	0	%100
3	M2	X	-.501	-.501	0	%100
4	M2	Z	.867	.867	0	%100
5	M5	X	-.588	-.588	0	%100
6	M5	Z	1.018	1.018	0	%100
7	M6	X	-.588	-.588	0	%100
8	M6	Z	1.018	1.018	0	%100
9	M7	X	-2.351	-2.351	0	%100
10	M7	Z	4.072	4.072	0	%100

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,%]
11	M6A	X	-2.041	-2.041	0	%100
12	M6A	Z	3.535	3.535	0	%100
13	M7A	X	-2.041	-2.041	0	%100
14	M7A	Z	3.535	3.535	0	%100
15	M23A	X	-2.041	-2.041	0	%100
16	M23A	Z	3.535	3.535	0	%100
17	M24	X	-2.041	-2.041	0	%100
18	M24	Z	3.535	3.535	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	-.501	-.501	0	%100
24	M55	Z	.867	.867	0	%100
25	M56	X	-2.003	-2.003	0	%100
26	M56	Z	3.47	3.47	0	%100
27	M22	X	-1.311	-1.311	0	%100
28	M22	Z	2.27	2.27	0	%100
29	M23	X	-1.311	-1.311	0	%100
30	M23	Z	2.27	2.27	0	%100
31	M24A	X	0	0	0	%100
32	M24A	Z	0	0	0	%100
33	MP4A	X	-1.748	-1.748	0	%100
34	MP4A	Z	3.027	3.027	0	%100
35	MP3A	X	-1.748	-1.748	0	%100
36	MP3A	Z	3.027	3.027	0	%100
37	MP2A	X	-1.748	-1.748	0	%100
38	MP2A	Z	3.027	3.027	0	%100
39	MP1A	X	-1.933	-1.933	0	%100
40	MP1A	Z	3.348	3.348	0	%100
41	MP4C	X	-1.748	-1.748	0	%100
42	MP4C	Z	3.027	3.027	0	%100
43	MP3C	X	-1.748	-1.748	0	%100
44	MP3C	Z	3.027	3.027	0	%100
45	MP2C	X	-1.748	-1.748	0	%100
46	MP2C	Z	3.027	3.027	0	%100
47	MP1C	X	-1.933	-1.933	0	%100
48	MP1C	Z	3.348	3.348	0	%100
49	MP4B	X	-1.748	-1.748	0	%100
50	MP4B	Z	3.027	3.027	0	%100
51	MP3B	X	-1.748	-1.748	0	%100
52	MP3B	Z	3.027	3.027	0	%100
53	MP2B	X	-1.748	-1.748	0	%100
54	MP2B	Z	3.027	3.027	0	%100
55	MP1B	X	-1.933	-1.933	0	%100
56	MP1B	Z	3.348	3.348	0	%100
57	M57A	X	-.4	-.4	0	%100
58	M57A	Z	.692	.692	0	%100
59	M58A	X	-1.598	-1.598	0	%100
60	M58A	Z	2.768	2.768	0	%100
61	M65	X	-.869	-.869	0	%100
62	M65	Z	1.505	1.505	0	%100

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,%]
63	M66	X	-.869	-.869	0	%100
64	M66	Z	1.505	1.505	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	0	0	0	%100
67	OVP	X	-1.598	-1.598	0	%100
68	OVP	Z	2.768	2.768	0	%100
69	M81	X	-1.521	-1.521	0	%100
70	M81	Z	2.634	2.634	0	%100
71	M73	X	-1.521	-1.521	0	%100
72	M73	Z	2.634	2.634	0	%100
73	M74	X	-2.721	-2.721	0	%100
74	M74	Z	4.713	4.713	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	-2.076	-2.076	0	%100
2	M1	Z	1.199	1.199	0	%100
3	M2	X	-2.602	-2.602	0	%100
4	M2	Z	1.502	1.502	0	%100
5	M5	X	-3.054	-3.054	0	%100
6	M5	Z	1.763	1.763	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-3.054	-3.054	0	%100
10	M7	Z	1.763	1.763	0	%100
11	M6A	X	-1.178	-1.178	0	%100
12	M6A	Z	.68	.68	0	%100
13	M7A	X	-1.178	-1.178	0	%100
14	M7A	Z	.68	.68	0	%100
15	M23A	X	-4.713	-4.713	0	%100
16	M23A	Z	2.721	2.721	0	%100
17	M24	X	-4.713	-4.713	0	%100
18	M24	Z	2.721	2.721	0	%100
19	M39A	X	-1.178	-1.178	0	%100
20	M39A	Z	.68	.68	0	%100
21	M40	X	-1.178	-1.178	0	%100
22	M40	Z	.68	.68	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-2.602	-2.602	0	%100
26	M56	Z	1.502	1.502	0	%100
27	M22	X	-.757	-.757	0	%100
28	M22	Z	.437	.437	0	%100
29	M23	X	-3.027	-3.027	0	%100
30	M23	Z	1.748	1.748	0	%100
31	M24A	X	-.757	-.757	0	%100
32	M24A	Z	.437	.437	0	%100
33	MP4A	X	-3.027	-3.027	0	%100
34	MP4A	Z	1.748	1.748	0	%100
35	MP3A	X	-3.027	-3.027	0	%100
36	MP3A	Z	1.748	1.748	0	%100

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,%]
37	MP2A	X	-3.027	-3.027	0	%100
38	MP2A	Z	1.748	1.748	0	%100
39	MP1A	X	-3.348	-3.348	0	%100
40	MP1A	Z	1.933	1.933	0	%100
41	MP4C	X	-3.027	-3.027	0	%100
42	MP4C	Z	1.748	1.748	0	%100
43	MP3C	X	-3.027	-3.027	0	%100
44	MP3C	Z	1.748	1.748	0	%100
45	MP2C	X	-3.027	-3.027	0	%100
46	MP2C	Z	1.748	1.748	0	%100
47	MP1C	X	-3.348	-3.348	0	%100
48	MP1C	Z	1.933	1.933	0	%100
49	MP4B	X	-3.027	-3.027	0	%100
50	MP4B	Z	1.748	1.748	0	%100
51	MP3B	X	-3.027	-3.027	0	%100
52	MP3B	Z	1.748	1.748	0	%100
53	MP2B	X	-3.027	-3.027	0	%100
54	MP2B	Z	1.748	1.748	0	%100
55	MP1B	X	-3.348	-3.348	0	%100
56	MP1B	Z	1.933	1.933	0	%100
57	M57A	X	0	0	0	%100
58	M57A	Z	0	0	0	%100
59	M58A	X	-2.076	-2.076	0	%100
60	M58A	Z	1.199	1.199	0	%100
61	M65	X	-2.006	-2.006	0	%100
62	M65	Z	1.158	1.158	0	%100
63	M66	X	-.502	-.502	0	%100
64	M66	Z	.29	.29	0	%100
65	M67	X	-.502	-.502	0	%100
66	M67	Z	.29	.29	0	%100
67	OVP	X	-2.768	-2.768	0	%100
68	OVP	Z	1.598	1.598	0	%100
69	M81	X	-4.02	-4.02	0	%100
70	M81	Z	2.321	2.321	0	%100
71	M73	X	-1.941	-1.941	0	%100
72	M73	Z	1.12	1.12	0	%100
73	M74	X	-4.02	-4.02	0	%100
74	M74	Z	2.321	2.321	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	-3.196	-3.196	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-4.006	-4.006	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-4.702	-4.702	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-1.175	-1.175	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-1.175	-1.175	0	%100
10	M7	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	0	0	0	%100
15	M23A	X	-4.082	-4.082	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	-4.082	-4.082	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	-4.082	-4.082	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	-4.082	-4.082	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	-1.002	-1.002	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-1.002	-1.002	0	%100
26	M56	Z	0	0	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	-2.621	-2.621	0	%100
30	M23	Z	0	0	0	%100
31	M24A	X	-2.621	-2.621	0	%100
32	M24A	Z	0	0	0	%100
33	MP4A	X	-3.495	-3.495	0	%100
34	MP4A	Z	0	0	0	%100
35	MP3A	X	-3.495	-3.495	0	%100
36	MP3A	Z	0	0	0	%100
37	MP2A	X	-3.495	-3.495	0	%100
38	MP2A	Z	0	0	0	%100
39	MP1A	X	-3.866	-3.866	0	%100
40	MP1A	Z	0	0	0	%100
41	MP4C	X	-3.495	-3.495	0	%100
42	MP4C	Z	0	0	0	%100
43	MP3C	X	-3.495	-3.495	0	%100
44	MP3C	Z	0	0	0	%100
45	MP2C	X	-3.495	-3.495	0	%100
46	MP2C	Z	0	0	0	%100
47	MP1C	X	-3.866	-3.866	0	%100
48	MP1C	Z	0	0	0	%100
49	MP4B	X	-3.495	-3.495	0	%100
50	MP4B	Z	0	0	0	%100
51	MP3B	X	-3.495	-3.495	0	%100
52	MP3B	Z	0	0	0	%100
53	MP2B	X	-3.495	-3.495	0	%100
54	MP2B	Z	0	0	0	%100
55	MP1B	X	-3.866	-3.866	0	%100
56	MP1B	Z	0	0	0	%100
57	M57A	X	-.799	-.799	0	%100
58	M57A	Z	0	0	0	%100
59	M58A	X	-.799	-.799	0	%100
60	M58A	Z	0	0	0	%100
61	M65	X	-1.737	-1.737	0	%100
62	M65	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
63	M66	X	0	0	0	%100
64	M66	Z	0	0	0	%100
65	M67	X	-1.737	-1.737	0	%100
66	M67	Z	0	0	0	%100
67	OVP	X	-3.196	-3.196	0	%100
68	OVP	Z	0	0	0	%100
69	M81	X	-5.443	-5.443	0	%100
70	M81	Z	0	0	0	%100
71	M73	X	-3.041	-3.041	0	%100
72	M73	Z	0	0	0	%100
73	M74	X	-3.041	-3.041	0	%100
74	M74	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	-2.076	-2.076	0	%100
2	M1	Z	-1.199	-1.199	0	%100
3	M2	X	-2.602	-2.602	0	%100
4	M2	Z	-1.502	-1.502	0	%100
5	M5	X	-3.054	-3.054	0	%100
6	M5	Z	-1.763	-1.763	0	%100
7	M6	X	-3.054	-3.054	0	%100
8	M6	Z	-1.763	-1.763	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	-1.178	-1.178	0	%100
12	M6A	Z	-.68	-.68	0	%100
13	M7A	X	-1.178	-1.178	0	%100
14	M7A	Z	-.68	-.68	0	%100
15	M23A	X	-1.178	-1.178	0	%100
16	M23A	Z	-.68	-.68	0	%100
17	M24	X	-1.178	-1.178	0	%100
18	M24	Z	-.68	-.68	0	%100
19	M39A	X	-4.713	-4.713	0	%100
20	M39A	Z	-2.721	-2.721	0	%100
21	M40	X	-4.713	-4.713	0	%100
22	M40	Z	-2.721	-2.721	0	%100
23	M55	X	-2.602	-2.602	0	%100
24	M55	Z	-1.502	-1.502	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M22	X	-.757	-.757	0	%100
28	M22	Z	-.437	-.437	0	%100
29	M23	X	-.757	-.757	0	%100
30	M23	Z	-.437	-.437	0	%100
31	M24A	X	-3.027	-3.027	0	%100
32	M24A	Z	-1.748	-1.748	0	%100
33	MP4A	X	-3.027	-3.027	0	%100
34	MP4A	Z	-1.748	-1.748	0	%100
35	MP3A	X	-3.027	-3.027	0	%100
36	MP3A	Z	-1.748	-1.748	0	%100

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,%]
37	MP2A	X	-3.027	-3.027	0	%100
38	MP2A	Z	-1.748	-1.748	0	%100
39	MP1A	X	-3.348	-3.348	0	%100
40	MP1A	Z	-1.933	-1.933	0	%100
41	MP4C	X	-3.027	-3.027	0	%100
42	MP4C	Z	-1.748	-1.748	0	%100
43	MP3C	X	-3.027	-3.027	0	%100
44	MP3C	Z	-1.748	-1.748	0	%100
45	MP2C	X	-3.027	-3.027	0	%100
46	MP2C	Z	-1.748	-1.748	0	%100
47	MP1C	X	-3.348	-3.348	0	%100
48	MP1C	Z	-1.933	-1.933	0	%100
49	MP4B	X	-3.027	-3.027	0	%100
50	MP4B	Z	-1.748	-1.748	0	%100
51	MP3B	X	-3.027	-3.027	0	%100
52	MP3B	Z	-1.748	-1.748	0	%100
53	MP2B	X	-3.027	-3.027	0	%100
54	MP2B	Z	-1.748	-1.748	0	%100
55	MP1B	X	-3.348	-3.348	0	%100
56	MP1B	Z	-1.933	-1.933	0	%100
57	M57A	X	-2.076	-2.076	0	%100
58	M57A	Z	-1.199	-1.199	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	0	0	0	%100
61	M65	X	-.502	-.502	0	%100
62	M65	Z	-.29	-.29	0	%100
63	M66	X	-.502	-.502	0	%100
64	M66	Z	-.29	-.29	0	%100
65	M67	X	-2.006	-2.006	0	%100
66	M67	Z	-1.158	-1.158	0	%100
67	OVP	X	-2.768	-2.768	0	%100
68	OVP	Z	-1.598	-1.598	0	%100
69	M81	X	-4.02	-4.02	0	%100
70	M81	Z	-2.321	-2.321	0	%100
71	M73	X	-4.02	-4.02	0	%100
72	M73	Z	-2.321	-2.321	0	%100
73	M74	X	-1.941	-1.941	0	%100
74	M74	Z	-1.12	-1.12	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	-.4	-.4	0	%100
2	M1	Z	-.692	-.692	0	%100
3	M2	X	-.501	-.501	0	%100
4	M2	Z	-.867	-.867	0	%100
5	M5	X	-.588	-.588	0	%100
6	M5	Z	-1.018	-1.018	0	%100
7	M6	X	-2.351	-2.351	0	%100
8	M6	Z	-4.072	-4.072	0	%100
9	M7	X	-.588	-.588	0	%100
10	M7	Z	-1.018	-1.018	0	%100

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,%]
11	M6A	X	-2.041	-2.041	0	%100
12	M6A	Z	-3.535	-3.535	0	%100
13	M7A	X	-2.041	-2.041	0	%100
14	M7A	Z	-3.535	-3.535	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	-2.041	-2.041	0	%100
20	M39A	Z	-3.535	-3.535	0	%100
21	M40	X	-2.041	-2.041	0	%100
22	M40	Z	-3.535	-3.535	0	%100
23	M55	X	-2.003	-2.003	0	%100
24	M55	Z	-3.47	-3.47	0	%100
25	M56	X	-.501	-.501	0	%100
26	M56	Z	-.867	-.867	0	%100
27	M22	X	-1.311	-1.311	0	%100
28	M22	Z	-2.27	-2.27	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M24A	X	-1.311	-1.311	0	%100
32	M24A	Z	-2.27	-2.27	0	%100
33	MP4A	X	-1.748	-1.748	0	%100
34	MP4A	Z	-3.027	-3.027	0	%100
35	MP3A	X	-1.748	-1.748	0	%100
36	MP3A	Z	-3.027	-3.027	0	%100
37	MP2A	X	-1.748	-1.748	0	%100
38	MP2A	Z	-3.027	-3.027	0	%100
39	MP1A	X	-1.933	-1.933	0	%100
40	MP1A	Z	-3.348	-3.348	0	%100
41	MP4C	X	-1.748	-1.748	0	%100
42	MP4C	Z	-3.027	-3.027	0	%100
43	MP3C	X	-1.748	-1.748	0	%100
44	MP3C	Z	-3.027	-3.027	0	%100
45	MP2C	X	-1.748	-1.748	0	%100
46	MP2C	Z	-3.027	-3.027	0	%100
47	MP1C	X	-1.933	-1.933	0	%100
48	MP1C	Z	-3.348	-3.348	0	%100
49	MP4B	X	-1.748	-1.748	0	%100
50	MP4B	Z	-3.027	-3.027	0	%100
51	MP3B	X	-1.748	-1.748	0	%100
52	MP3B	Z	-3.027	-3.027	0	%100
53	MP2B	X	-1.748	-1.748	0	%100
54	MP2B	Z	-3.027	-3.027	0	%100
55	MP1B	X	-1.933	-1.933	0	%100
56	MP1B	Z	-3.348	-3.348	0	%100
57	M57A	X	-1.598	-1.598	0	%100
58	M57A	Z	-2.768	-2.768	0	%100
59	M58A	X	-.4	-.4	0	%100
60	M58A	Z	-.692	-.692	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	0	0	0	%100

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,%]
63	M66	X	-.869	-.869	0	%100
64	M66	Z	-1.505	-1.505	0	%100
65	M67	X	-.869	-.869	0	%100
66	M67	Z	-1.505	-1.505	0	%100
67	OVP	X	-1.598	-1.598	0	%100
68	OVP	Z	-2.768	-2.768	0	%100
69	M81	X	-1.521	-1.521	0	%100
70	M81	Z	-2.634	-2.634	0	%100
71	M73	X	-2.721	-2.721	0	%100
72	M73	Z	-4.713	-4.713	0	%100
73	M74	X	-1.521	-1.521	0	%100
74	M74	Z	-2.634	-2.634	0	%100

Member Distributed Loads (BLC 65 : Structure Wm (0 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	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	-.845	-.845	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	-.845	-.845	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	-1.335	-1.335	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	-1.335	-1.335	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	-.334	-.334	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	-.334	-.334	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	-.334	-.334	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	-.334	-.334	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	-.744	-.744	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	-.744	-.744	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	-.634	-.634	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	-.159	-.159	0	%100
31	M24A	X	0	0	0	%100
32	M24A	Z	-.159	-.159	0	%100
33	MP4A	X	0	0	0	%100
34	MP4A	Z	-.634	-.634	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-.634	-.634	0	%100

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,%]
37	MP2A	X	0	0	0	%100
38	MP2A	Z	-.634	-.634	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	-.768	-.768	0	%100
41	MP4C	X	0	0	0	%100
42	MP4C	Z	-.634	-.634	0	%100
43	MP3C	X	0	0	0	%100
44	MP3C	Z	-.634	-.634	0	%100
45	MP2C	X	0	0	0	%100
46	MP2C	Z	-.634	-.634	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	-.768	-.768	0	%100
49	MP4B	X	0	0	0	%100
50	MP4B	Z	-.634	-.634	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	-.634	-.634	0	%100
53	MP2B	X	0	0	0	%100
54	MP2B	Z	-.634	-.634	0	%100
55	MP1B	X	0	0	0	%100
56	MP1B	Z	-.768	-.768	0	%100
57	M57A	X	0	0	0	%100
58	M57A	Z	-.57	-.57	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	-.57	-.57	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	-.105	-.105	0	%100
63	M66	X	0	0	0	%100
64	M66	Z	-.42	-.42	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	-.105	-.105	0	%100
67	OVP	X	0	0	0	%100
68	OVP	Z	-.578	-.578	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	-.634	-.634	0	%100
71	M73	X	0	0	0	%100
72	M73	Z	-1.16	-1.16	0	%100
73	M74	X	0	0	0	%100
74	M74	Z	-1.16	-1.16	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	.095	.095	0	%100
2	M1	Z	-.165	-.165	0	%100
3	M2	X	.124	.124	0	%100
4	M2	Z	-.215	-.215	0	%100
5	M5	X	.141	.141	0	%100
6	M5	Z	-.244	-.244	0	%100
7	M6	X	.141	.141	0	%100
8	M6	Z	-.244	-.244	0	%100
9	M7	X	.563	.563	0	%100
10	M7	Z	-.975	-.975	0	%100

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,%]
11	M6A	X	.501	.501	0	%100
12	M6A	Z	-.867	-.867	0	%100
13	M7A	X	.501	.501	0	%100
14	M7A	Z	-.867	-.867	0	%100
15	M23A	X	.501	.501	0	%100
16	M23A	Z	-.867	-.867	0	%100
17	M24	X	.501	.501	0	%100
18	M24	Z	-.867	-.867	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	.124	.124	0	%100
24	M55	Z	-.215	-.215	0	%100
25	M56	X	.496	.496	0	%100
26	M56	Z	-.859	-.859	0	%100
27	M22	X	.238	.238	0	%100
28	M22	Z	-.412	-.412	0	%100
29	M23	X	.238	.238	0	%100
30	M23	Z	-.412	-.412	0	%100
31	M24A	X	0	0	0	%100
32	M24A	Z	0	0	0	%100
33	MP4A	X	.317	.317	0	%100
34	MP4A	Z	-.549	-.549	0	%100
35	MP3A	X	.317	.317	0	%100
36	MP3A	Z	-.549	-.549	0	%100
37	MP2A	X	.317	.317	0	%100
38	MP2A	Z	-.549	-.549	0	%100
39	MP1A	X	.384	.384	0	%100
40	MP1A	Z	-.665	-.665	0	%100
41	MP4C	X	.317	.317	0	%100
42	MP4C	Z	-.549	-.549	0	%100
43	MP3C	X	.317	.317	0	%100
44	MP3C	Z	-.549	-.549	0	%100
45	MP2C	X	.317	.317	0	%100
46	MP2C	Z	-.549	-.549	0	%100
47	MP1C	X	.384	.384	0	%100
48	MP1C	Z	-.665	-.665	0	%100
49	MP4B	X	.317	.317	0	%100
50	MP4B	Z	-.549	-.549	0	%100
51	MP3B	X	.317	.317	0	%100
52	MP3B	Z	-.549	-.549	0	%100
53	MP2B	X	.317	.317	0	%100
54	MP2B	Z	-.549	-.549	0	%100
55	MP1B	X	.384	.384	0	%100
56	MP1B	Z	-.665	-.665	0	%100
57	M57A	X	.095	.095	0	%100
58	M57A	Z	-.165	-.165	0	%100
59	M58A	X	.38	.38	0	%100
60	M58A	Z	-.658	-.658	0	%100
61	M65	X	.157	.157	0	%100
62	M65	Z	-.273	-.273	0	%100

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,%]
63	M66	X	.157	.157	0	%100
64	M66	Z	-.273	-.273	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	0	0	0	%100
67	OVP	X	.289	.289	0	%100
68	OVP	Z	-.501	-.501	0	%100
69	M81	X	.405	.405	0	%100
70	M81	Z	-.701	-.701	0	%100
71	M73	X	.405	.405	0	%100
72	M73	Z	-.701	-.701	0	%100
73	M74	X	.668	.668	0	%100
74	M74	Z	-1.157	-1.157	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,%]	End Location[in,%]
1	M1	X	.494	.494	0	%100
2	M1	Z	-.285	-.285	0	%100
3	M2	X	.644	.644	0	%100
4	M2	Z	-.372	-.372	0	%100
5	M5	X	.731	.731	0	%100
6	M5	Z	-.422	-.422	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	.731	.731	0	%100
10	M7	Z	-.422	-.422	0	%100
11	M6A	X	.289	.289	0	%100
12	M6A	Z	-.167	-.167	0	%100
13	M7A	X	.289	.289	0	%100
14	M7A	Z	-.167	-.167	0	%100
15	M23A	X	1.157	1.157	0	%100
16	M23A	Z	-.668	-.668	0	%100
17	M24	X	1.157	1.157	0	%100
18	M24	Z	-.668	-.668	0	%100
19	M39A	X	.289	.289	0	%100
20	M39A	Z	-.167	-.167	0	%100
21	M40	X	.289	.289	0	%100
22	M40	Z	-.167	-.167	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	.644	.644	0	%100
26	M56	Z	-.372	-.372	0	%100
27	M22	X	.137	.137	0	%100
28	M22	Z	-.079	-.079	0	%100
29	M23	X	.549	.549	0	%100
30	M23	Z	-.317	-.317	0	%100
31	M24A	X	.137	.137	0	%100
32	M24A	Z	-.079	-.079	0	%100
33	MP4A	X	.549	.549	0	%100
34	MP4A	Z	-.317	-.317	0	%100
35	MP3A	X	.549	.549	0	%100
36	MP3A	Z	-.317	-.317	0	%100

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,%]
37	MP2A	X	.549	.549	0	%100
38	MP2A	Z	-.317	-.317	0	%100
39	MP1A	X	.665	.665	0	%100
40	MP1A	Z	-.384	-.384	0	%100
41	MP4C	X	.549	.549	0	%100
42	MP4C	Z	-.317	-.317	0	%100
43	MP3C	X	.549	.549	0	%100
44	MP3C	Z	-.317	-.317	0	%100
45	MP2C	X	.549	.549	0	%100
46	MP2C	Z	-.317	-.317	0	%100
47	MP1C	X	.665	.665	0	%100
48	MP1C	Z	-.384	-.384	0	%100
49	MP4B	X	.549	.549	0	%100
50	MP4B	Z	-.317	-.317	0	%100
51	MP3B	X	.549	.549	0	%100
52	MP3B	Z	-.317	-.317	0	%100
53	MP2B	X	.549	.549	0	%100
54	MP2B	Z	-.317	-.317	0	%100
55	MP1B	X	.665	.665	0	%100
56	MP1B	Z	-.384	-.384	0	%100
57	M57A	X	0	0	0	%100
58	M57A	Z	0	0	0	%100
59	M58A	X	.494	.494	0	%100
60	M58A	Z	-.285	-.285	0	%100
61	M65	X	.364	.364	0	%100
62	M65	Z	-.21	-.21	0	%100
63	M66	X	.091	.091	0	%100
64	M66	Z	-.052	-.052	0	%100
65	M67	X	.091	.091	0	%100
66	M67	Z	-.052	-.052	0	%100
67	OVP	X	.501	.501	0	%100
68	OVP	Z	-.289	-.289	0	%100
69	M81	X	1.005	1.005	0	%100
70	M81	Z	-.58	-.58	0	%100
71	M73	X	.549	.549	0	%100
72	M73	Z	-.317	-.317	0	%100
73	M74	X	1.005	1.005	0	%100
74	M74	Z	-.58	-.58	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	.76	.76	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.992	.992	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	1.126	1.126	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	.282	.282	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	.282	.282	0	%100
10	M7	Z	0	0	0	%100

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,%]
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	0	0	0	%100
15	M23A	X	1.002	1.002	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	1.002	1.002	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	1.002	1.002	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	1.002	1.002	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	.248	.248	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	.248	.248	0	%100
26	M56	Z	0	0	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	.476	.476	0	%100
30	M23	Z	0	0	0	%100
31	M24A	X	.476	.476	0	%100
32	M24A	Z	0	0	0	%100
33	MP4A	X	.634	.634	0	%100
34	MP4A	Z	0	0	0	%100
35	MP3A	X	.634	.634	0	%100
36	MP3A	Z	0	0	0	%100
37	MP2A	X	.634	.634	0	%100
38	MP2A	Z	0	0	0	%100
39	MP1A	X	.768	.768	0	%100
40	MP1A	Z	0	0	0	%100
41	MP4C	X	.634	.634	0	%100
42	MP4C	Z	0	0	0	%100
43	MP3C	X	.634	.634	0	%100
44	MP3C	Z	0	0	0	%100
45	MP2C	X	.634	.634	0	%100
46	MP2C	Z	0	0	0	%100
47	MP1C	X	.768	.768	0	%100
48	MP1C	Z	0	0	0	%100
49	MP4B	X	.634	.634	0	%100
50	MP4B	Z	0	0	0	%100
51	MP3B	X	.634	.634	0	%100
52	MP3B	Z	0	0	0	%100
53	MP2B	X	.634	.634	0	%100
54	MP2B	Z	0	0	0	%100
55	MP1B	X	.768	.768	0	%100
56	MP1B	Z	0	0	0	%100
57	M57A	X	.19	.19	0	%100
58	M57A	Z	0	0	0	%100
59	M58A	X	.19	.19	0	%100
60	M58A	Z	0	0	0	%100
61	M65	X	.315	.315	0	%100
62	M65	Z	0	0	0	%100

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,%]
63	M66	X	0	0	0	%100
64	M66	Z	0	0	0	%100
65	M67	X	.315	.315	0	%100
66	M67	Z	0	0	0	%100
67	OVP	X	.578	.578	0	%100
68	OVP	Z	0	0	0	%100
69	M81	X	1.335	1.335	0	%100
70	M81	Z	0	0	0	%100
71	M73	X	.809	.809	0	%100
72	M73	Z	0	0	0	%100
73	M74	X	.809	.809	0	%100
74	M74	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	.494	.494	0	%100
2	M1	Z	.285	.285	0	%100
3	M2	X	.644	.644	0	%100
4	M2	Z	.372	.372	0	%100
5	M5	X	.731	.731	0	%100
6	M5	Z	.422	.422	0	%100
7	M6	X	.731	.731	0	%100
8	M6	Z	.422	.422	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	.289	.289	0	%100
12	M6A	Z	.167	.167	0	%100
13	M7A	X	.289	.289	0	%100
14	M7A	Z	.167	.167	0	%100
15	M23A	X	.289	.289	0	%100
16	M23A	Z	.167	.167	0	%100
17	M24	X	.289	.289	0	%100
18	M24	Z	.167	.167	0	%100
19	M39A	X	1.157	1.157	0	%100
20	M39A	Z	.668	.668	0	%100
21	M40	X	1.157	1.157	0	%100
22	M40	Z	.668	.668	0	%100
23	M55	X	.644	.644	0	%100
24	M55	Z	.372	.372	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M22	X	.137	.137	0	%100
28	M22	Z	.079	.079	0	%100
29	M23	X	.137	.137	0	%100
30	M23	Z	.079	.079	0	%100
31	M24A	X	.549	.549	0	%100
32	M24A	Z	.317	.317	0	%100
33	MP4A	X	.549	.549	0	%100
34	MP4A	Z	.317	.317	0	%100
35	MP3A	X	.549	.549	0	%100
36	MP3A	Z	.317	.317	0	%100

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,%]
37	MP2A	X	.549	.549	0	%100
38	MP2A	Z	.317	.317	0	%100
39	MP1A	X	.665	.665	0	%100
40	MP1A	Z	.384	.384	0	%100
41	MP4C	X	.549	.549	0	%100
42	MP4C	Z	.317	.317	0	%100
43	MP3C	X	.549	.549	0	%100
44	MP3C	Z	.317	.317	0	%100
45	MP2C	X	.549	.549	0	%100
46	MP2C	Z	.317	.317	0	%100
47	MP1C	X	.665	.665	0	%100
48	MP1C	Z	.384	.384	0	%100
49	MP4B	X	.549	.549	0	%100
50	MP4B	Z	.317	.317	0	%100
51	MP3B	X	.549	.549	0	%100
52	MP3B	Z	.317	.317	0	%100
53	MP2B	X	.549	.549	0	%100
54	MP2B	Z	.317	.317	0	%100
55	MP1B	X	.665	.665	0	%100
56	MP1B	Z	.384	.384	0	%100
57	M57A	X	.494	.494	0	%100
58	M57A	Z	.285	.285	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	0	0	0	%100
61	M65	X	.091	.091	0	%100
62	M65	Z	.052	.052	0	%100
63	M66	X	.091	.091	0	%100
64	M66	Z	.052	.052	0	%100
65	M67	X	.364	.364	0	%100
66	M67	Z	.21	.21	0	%100
67	OVP	X	.501	.501	0	%100
68	OVP	Z	.289	.289	0	%100
69	M81	X	1.005	1.005	0	%100
70	M81	Z	.58	.58	0	%100
71	M73	X	1.005	1.005	0	%100
72	M73	Z	.58	.58	0	%100
73	M74	X	.549	.549	0	%100
74	M74	Z	.317	.317	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	.095	.095	0	%100
2	M1	Z	.165	.165	0	%100
3	M2	X	.124	.124	0	%100
4	M2	Z	.215	.215	0	%100
5	M5	X	.141	.141	0	%100
6	M5	Z	.244	.244	0	%100
7	M6	X	.563	.563	0	%100
8	M6	Z	.975	.975	0	%100
9	M7	X	.141	.141	0	%100
10	M7	Z	.244	.244	0	%100

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,%]
11	M6A	X	.501	.501	0	%100
12	M6A	Z	.867	.867	0	%100
13	M7A	X	.501	.501	0	%100
14	M7A	Z	.867	.867	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	.501	.501	0	%100
20	M39A	Z	.867	.867	0	%100
21	M40	X	.501	.501	0	%100
22	M40	Z	.867	.867	0	%100
23	M55	X	.496	.496	0	%100
24	M55	Z	.859	.859	0	%100
25	M56	X	.124	.124	0	%100
26	M56	Z	.215	.215	0	%100
27	M22	X	.238	.238	0	%100
28	M22	Z	.412	.412	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M24A	X	.238	.238	0	%100
32	M24A	Z	.412	.412	0	%100
33	MP4A	X	.317	.317	0	%100
34	MP4A	Z	.549	.549	0	%100
35	MP3A	X	.317	.317	0	%100
36	MP3A	Z	.549	.549	0	%100
37	MP2A	X	.317	.317	0	%100
38	MP2A	Z	.549	.549	0	%100
39	MP1A	X	.384	.384	0	%100
40	MP1A	Z	.665	.665	0	%100
41	MP4C	X	.317	.317	0	%100
42	MP4C	Z	.549	.549	0	%100
43	MP3C	X	.317	.317	0	%100
44	MP3C	Z	.549	.549	0	%100
45	MP2C	X	.317	.317	0	%100
46	MP2C	Z	.549	.549	0	%100
47	MP1C	X	.384	.384	0	%100
48	MP1C	Z	.665	.665	0	%100
49	MP4B	X	.317	.317	0	%100
50	MP4B	Z	.549	.549	0	%100
51	MP3B	X	.317	.317	0	%100
52	MP3B	Z	.549	.549	0	%100
53	MP2B	X	.317	.317	0	%100
54	MP2B	Z	.549	.549	0	%100
55	MP1B	X	.384	.384	0	%100
56	MP1B	Z	.665	.665	0	%100
57	M57A	X	.38	.38	0	%100
58	M57A	Z	.658	.658	0	%100
59	M58A	X	.095	.095	0	%100
60	M58A	Z	.165	.165	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	0	0	0	%100

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,%]
63	M66	X	.157	.157	0	%100
64	M66	Z	.273	.273	0	%100
65	M67	X	.157	.157	0	%100
66	M67	Z	.273	.273	0	%100
67	OVP	X	.289	.289	0	%100
68	OVP	Z	.501	.501	0	%100
69	M81	X	.405	.405	0	%100
70	M81	Z	.701	.701	0	%100
71	M73	X	.668	.668	0	%100
72	M73	Z	1.157	1.157	0	%100
73	M74	X	.405	.405	0	%100
74	M74	Z	.701	.701	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	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	.845	.845	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	.845	.845	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	1.335	1.335	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	1.335	1.335	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	.334	.334	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	.334	.334	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	.334	.334	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	.334	.334	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	.744	.744	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	.744	.744	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	.634	.634	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	.159	.159	0	%100
31	M24A	X	0	0	0	%100
32	M24A	Z	.159	.159	0	%100
33	MP4A	X	0	0	0	%100
34	MP4A	Z	.634	.634	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	.634	.634	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
37	MP2A	X	0	0	0	%100
38	MP2A	Z	.634	.634	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	.768	.768	0	%100
41	MP4C	X	0	0	0	%100
42	MP4C	Z	.634	.634	0	%100
43	MP3C	X	0	0	0	%100
44	MP3C	Z	.634	.634	0	%100
45	MP2C	X	0	0	0	%100
46	MP2C	Z	.634	.634	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	.768	.768	0	%100
49	MP4B	X	0	0	0	%100
50	MP4B	Z	.634	.634	0	%100
51	MP3B	X	0	0	0	%100
52	MP3B	Z	.634	.634	0	%100
53	MP2B	X	0	0	0	%100
54	MP2B	Z	.634	.634	0	%100
55	MP1B	X	0	0	0	%100
56	MP1B	Z	.768	.768	0	%100
57	M57A	X	0	0	0	%100
58	M57A	Z	.57	.57	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	.57	.57	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	.105	.105	0	%100
63	M66	X	0	0	0	%100
64	M66	Z	.42	.42	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	.105	.105	0	%100
67	OVP	X	0	0	0	%100
68	OVP	Z	.578	.578	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	.634	.634	0	%100
71	M73	X	0	0	0	%100
72	M73	Z	1.16	1.16	0	%100
73	M74	X	0	0	0	%100
74	M74	Z	1.16	1.16	0	%100

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	-.095	-.095	0	%100
2	M1	Z	.165	.165	0	%100
3	M2	X	-.124	-.124	0	%100
4	M2	Z	.215	.215	0	%100
5	M5	X	-.141	-.141	0	%100
6	M5	Z	.244	.244	0	%100
7	M6	X	-.141	-.141	0	%100
8	M6	Z	.244	.244	0	%100
9	M7	X	-.563	-.563	0	%100
10	M7	Z	.975	.975	0	%100

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,%]
11	M6A	X	-.501	-.501	0	%100
12	M6A	Z	.867	.867	0	%100
13	M7A	X	-.501	-.501	0	%100
14	M7A	Z	.867	.867	0	%100
15	M23A	X	-.501	-.501	0	%100
16	M23A	Z	.867	.867	0	%100
17	M24	X	-.501	-.501	0	%100
18	M24	Z	.867	.867	0	%100
19	M39A	X	0	0	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	0	0	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	-.124	-.124	0	%100
24	M55	Z	.215	.215	0	%100
25	M56	X	-.496	-.496	0	%100
26	M56	Z	.859	.859	0	%100
27	M22	X	-.238	-.238	0	%100
28	M22	Z	.412	.412	0	%100
29	M23	X	-.238	-.238	0	%100
30	M23	Z	.412	.412	0	%100
31	M24A	X	0	0	0	%100
32	M24A	Z	0	0	0	%100
33	MP4A	X	-.317	-.317	0	%100
34	MP4A	Z	.549	.549	0	%100
35	MP3A	X	-.317	-.317	0	%100
36	MP3A	Z	.549	.549	0	%100
37	MP2A	X	-.317	-.317	0	%100
38	MP2A	Z	.549	.549	0	%100
39	MP1A	X	-.384	-.384	0	%100
40	MP1A	Z	.665	.665	0	%100
41	MP4C	X	-.317	-.317	0	%100
42	MP4C	Z	.549	.549	0	%100
43	MP3C	X	-.317	-.317	0	%100
44	MP3C	Z	.549	.549	0	%100
45	MP2C	X	-.317	-.317	0	%100
46	MP2C	Z	.549	.549	0	%100
47	MP1C	X	-.384	-.384	0	%100
48	MP1C	Z	.665	.665	0	%100
49	MP4B	X	-.317	-.317	0	%100
50	MP4B	Z	.549	.549	0	%100
51	MP3B	X	-.317	-.317	0	%100
52	MP3B	Z	.549	.549	0	%100
53	MP2B	X	-.317	-.317	0	%100
54	MP2B	Z	.549	.549	0	%100
55	MP1B	X	-.384	-.384	0	%100
56	MP1B	Z	.665	.665	0	%100
57	M57A	X	-.095	-.095	0	%100
58	M57A	Z	.165	.165	0	%100
59	M58A	X	-.38	-.38	0	%100
60	M58A	Z	.658	.658	0	%100
61	M65	X	-.157	-.157	0	%100
62	M65	Z	.273	.273	0	%100

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,%]
63	M66	X	-.157	-.157	0	%100
64	M66	Z	.273	.273	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	0	0	0	%100
67	OVP	X	-.289	-.289	0	%100
68	OVP	Z	.501	.501	0	%100
69	M81	X	-.405	-.405	0	%100
70	M81	Z	.701	.701	0	%100
71	M73	X	-.405	-.405	0	%100
72	M73	Z	.701	.701	0	%100
73	M74	X	-.668	-.668	0	%100
74	M74	Z	1.157	1.157	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,%]	End Location[in,%]
1	M1	X	-.494	-.494	0	%100
2	M1	Z	.285	.285	0	%100
3	M2	X	-.644	-.644	0	%100
4	M2	Z	.372	.372	0	%100
5	M5	X	-.731	-.731	0	%100
6	M5	Z	.422	.422	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-.731	-.731	0	%100
10	M7	Z	.422	.422	0	%100
11	M6A	X	-.289	-.289	0	%100
12	M6A	Z	.167	.167	0	%100
13	M7A	X	-.289	-.289	0	%100
14	M7A	Z	.167	.167	0	%100
15	M23A	X	-1.157	-1.157	0	%100
16	M23A	Z	.668	.668	0	%100
17	M24	X	-1.157	-1.157	0	%100
18	M24	Z	.668	.668	0	%100
19	M39A	X	-.289	-.289	0	%100
20	M39A	Z	.167	.167	0	%100
21	M40	X	-.289	-.289	0	%100
22	M40	Z	.167	.167	0	%100
23	M55	X	0	0	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-.644	-.644	0	%100
26	M56	Z	.372	.372	0	%100
27	M22	X	-.137	-.137	0	%100
28	M22	Z	.079	.079	0	%100
29	M23	X	-.549	-.549	0	%100
30	M23	Z	.317	.317	0	%100
31	M24A	X	-.137	-.137	0	%100
32	M24A	Z	.079	.079	0	%100
33	MP4A	X	-.549	-.549	0	%100
34	MP4A	Z	.317	.317	0	%100
35	MP3A	X	-.549	-.549	0	%100
36	MP3A	Z	.317	.317	0	%100

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,%]
37	MP2A	X	-.549	-.549	0	%100
38	MP2A	Z	.317	.317	0	%100
39	MP1A	X	-.665	-.665	0	%100
40	MP1A	Z	.384	.384	0	%100
41	MP4C	X	-.549	-.549	0	%100
42	MP4C	Z	.317	.317	0	%100
43	MP3C	X	-.549	-.549	0	%100
44	MP3C	Z	.317	.317	0	%100
45	MP2C	X	-.549	-.549	0	%100
46	MP2C	Z	.317	.317	0	%100
47	MP1C	X	-.665	-.665	0	%100
48	MP1C	Z	.384	.384	0	%100
49	MP4B	X	-.549	-.549	0	%100
50	MP4B	Z	.317	.317	0	%100
51	MP3B	X	-.549	-.549	0	%100
52	MP3B	Z	.317	.317	0	%100
53	MP2B	X	-.549	-.549	0	%100
54	MP2B	Z	.317	.317	0	%100
55	MP1B	X	-.665	-.665	0	%100
56	MP1B	Z	.384	.384	0	%100
57	M57A	X	0	0	0	%100
58	M57A	Z	0	0	0	%100
59	M58A	X	-.494	-.494	0	%100
60	M58A	Z	.285	.285	0	%100
61	M65	X	-.364	-.364	0	%100
62	M65	Z	.21	.21	0	%100
63	M66	X	-.091	-.091	0	%100
64	M66	Z	.052	.052	0	%100
65	M67	X	-.091	-.091	0	%100
66	M67	Z	.052	.052	0	%100
67	OVP	X	-.501	-.501	0	%100
68	OVP	Z	.289	.289	0	%100
69	M81	X	-1.005	-1.005	0	%100
70	M81	Z	.58	.58	0	%100
71	M73	X	-.549	-.549	0	%100
72	M73	Z	.317	.317	0	%100
73	M74	X	-1.005	-1.005	0	%100
74	M74	Z	.58	.58	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	-.76	-.76	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.992	-.992	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-1.126	-1.126	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-.282	-.282	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-.282	-.282	0	%100
10	M7	Z	0	0	0	%100

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,%]
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	M7A	X	0	0	0	%100
14	M7A	Z	0	0	0	%100
15	M23A	X	-1.002	-1.002	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	-1.002	-1.002	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	-1.002	-1.002	0	%100
20	M39A	Z	0	0	0	%100
21	M40	X	-1.002	-1.002	0	%100
22	M40	Z	0	0	0	%100
23	M55	X	-.248	-.248	0	%100
24	M55	Z	0	0	0	%100
25	M56	X	-.248	-.248	0	%100
26	M56	Z	0	0	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	-.476	-.476	0	%100
30	M23	Z	0	0	0	%100
31	M24A	X	-.476	-.476	0	%100
32	M24A	Z	0	0	0	%100
33	MP4A	X	-.634	-.634	0	%100
34	MP4A	Z	0	0	0	%100
35	MP3A	X	-.634	-.634	0	%100
36	MP3A	Z	0	0	0	%100
37	MP2A	X	-.634	-.634	0	%100
38	MP2A	Z	0	0	0	%100
39	MP1A	X	-.768	-.768	0	%100
40	MP1A	Z	0	0	0	%100
41	MP4C	X	-.634	-.634	0	%100
42	MP4C	Z	0	0	0	%100
43	MP3C	X	-.634	-.634	0	%100
44	MP3C	Z	0	0	0	%100
45	MP2C	X	-.634	-.634	0	%100
46	MP2C	Z	0	0	0	%100
47	MP1C	X	-.768	-.768	0	%100
48	MP1C	Z	0	0	0	%100
49	MP4B	X	-.634	-.634	0	%100
50	MP4B	Z	0	0	0	%100
51	MP3B	X	-.634	-.634	0	%100
52	MP3B	Z	0	0	0	%100
53	MP2B	X	-.634	-.634	0	%100
54	MP2B	Z	0	0	0	%100
55	MP1B	X	-.768	-.768	0	%100
56	MP1B	Z	0	0	0	%100
57	M57A	X	-.19	-.19	0	%100
58	M57A	Z	0	0	0	%100
59	M58A	X	-.19	-.19	0	%100
60	M58A	Z	0	0	0	%100
61	M65	X	-.315	-.315	0	%100
62	M65	Z	0	0	0	%100

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,%]
63	M66	X	0	0	0	%100
64	M66	Z	0	0	0	%100
65	M67	X	-.315	-.315	0	%100
66	M67	Z	0	0	0	%100
67	OVP	X	-.578	-.578	0	%100
68	OVP	Z	0	0	0	%100
69	M81	X	-1.335	-1.335	0	%100
70	M81	Z	0	0	0	%100
71	M73	X	-.809	-.809	0	%100
72	M73	Z	0	0	0	%100
73	M74	X	-.809	-.809	0	%100
74	M74	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	-.494	-.494	0	%100
2	M1	Z	-.285	-.285	0	%100
3	M2	X	-.644	-.644	0	%100
4	M2	Z	-.372	-.372	0	%100
5	M5	X	-.731	-.731	0	%100
6	M5	Z	-.422	-.422	0	%100
7	M6	X	-.731	-.731	0	%100
8	M6	Z	-.422	-.422	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	-.289	-.289	0	%100
12	M6A	Z	-.167	-.167	0	%100
13	M7A	X	-.289	-.289	0	%100
14	M7A	Z	-.167	-.167	0	%100
15	M23A	X	-.289	-.289	0	%100
16	M23A	Z	-.167	-.167	0	%100
17	M24	X	-.289	-.289	0	%100
18	M24	Z	-.167	-.167	0	%100
19	M39A	X	-1.157	-1.157	0	%100
20	M39A	Z	-.668	-.668	0	%100
21	M40	X	-1.157	-1.157	0	%100
22	M40	Z	-.668	-.668	0	%100
23	M55	X	-.644	-.644	0	%100
24	M55	Z	-.372	-.372	0	%100
25	M56	X	0	0	0	%100
26	M56	Z	0	0	0	%100
27	M22	X	-.137	-.137	0	%100
28	M22	Z	-.079	-.079	0	%100
29	M23	X	-.137	-.137	0	%100
30	M23	Z	-.079	-.079	0	%100
31	M24A	X	-.549	-.549	0	%100
32	M24A	Z	-.317	-.317	0	%100
33	MP4A	X	-.549	-.549	0	%100
34	MP4A	Z	-.317	-.317	0	%100
35	MP3A	X	-.549	-.549	0	%100
36	MP3A	Z	-.317	-.317	0	%100

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,%]
37	MP2A	X	-.549	-.549	0	%100
38	MP2A	Z	-.317	-.317	0	%100
39	MP1A	X	-.665	-.665	0	%100
40	MP1A	Z	-.384	-.384	0	%100
41	MP4C	X	-.549	-.549	0	%100
42	MP4C	Z	-.317	-.317	0	%100
43	MP3C	X	-.549	-.549	0	%100
44	MP3C	Z	-.317	-.317	0	%100
45	MP2C	X	-.549	-.549	0	%100
46	MP2C	Z	-.317	-.317	0	%100
47	MP1C	X	-.665	-.665	0	%100
48	MP1C	Z	-.384	-.384	0	%100
49	MP4B	X	-.549	-.549	0	%100
50	MP4B	Z	-.317	-.317	0	%100
51	MP3B	X	-.549	-.549	0	%100
52	MP3B	Z	-.317	-.317	0	%100
53	MP2B	X	-.549	-.549	0	%100
54	MP2B	Z	-.317	-.317	0	%100
55	MP1B	X	-.665	-.665	0	%100
56	MP1B	Z	-.384	-.384	0	%100
57	M57A	X	-.494	-.494	0	%100
58	M57A	Z	-.285	-.285	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	0	0	0	%100
61	M65	X	-.091	-.091	0	%100
62	M65	Z	-.052	-.052	0	%100
63	M66	X	-.091	-.091	0	%100
64	M66	Z	-.052	-.052	0	%100
65	M67	X	-.364	-.364	0	%100
66	M67	Z	-.21	-.21	0	%100
67	OVP	X	-.501	-.501	0	%100
68	OVP	Z	-.289	-.289	0	%100
69	M81	X	-1.005	-1.005	0	%100
70	M81	Z	-.58	-.58	0	%100
71	M73	X	-1.005	-1.005	0	%100
72	M73	Z	-.58	-.58	0	%100
73	M74	X	-.549	-.549	0	%100
74	M74	Z	-.317	-.317	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	-.095	-.095	0	%100
2	M1	Z	-.165	-.165	0	%100
3	M2	X	-.124	-.124	0	%100
4	M2	Z	-.215	-.215	0	%100
5	M5	X	-.141	-.141	0	%100
6	M5	Z	-.244	-.244	0	%100
7	M6	X	-.563	-.563	0	%100
8	M6	Z	-.975	-.975	0	%100
9	M7	X	-.141	-.141	0	%100
10	M7	Z	-.244	-.244	0	%100

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,%]
11	M6A	X	-.501	-.501	0	%100
12	M6A	Z	-.867	-.867	0	%100
13	M7A	X	-.501	-.501	0	%100
14	M7A	Z	-.867	-.867	0	%100
15	M23A	X	0	0	0	%100
16	M23A	Z	0	0	0	%100
17	M24	X	0	0	0	%100
18	M24	Z	0	0	0	%100
19	M39A	X	-.501	-.501	0	%100
20	M39A	Z	-.867	-.867	0	%100
21	M40	X	-.501	-.501	0	%100
22	M40	Z	-.867	-.867	0	%100
23	M55	X	-.496	-.496	0	%100
24	M55	Z	-.859	-.859	0	%100
25	M56	X	-.124	-.124	0	%100
26	M56	Z	-.215	-.215	0	%100
27	M22	X	-.238	-.238	0	%100
28	M22	Z	-.412	-.412	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M24A	X	-.238	-.238	0	%100
32	M24A	Z	-.412	-.412	0	%100
33	MP4A	X	-.317	-.317	0	%100
34	MP4A	Z	-.549	-.549	0	%100
35	MP3A	X	-.317	-.317	0	%100
36	MP3A	Z	-.549	-.549	0	%100
37	MP2A	X	-.317	-.317	0	%100
38	MP2A	Z	-.549	-.549	0	%100
39	MP1A	X	-.384	-.384	0	%100
40	MP1A	Z	-.665	-.665	0	%100
41	MP4C	X	-.317	-.317	0	%100
42	MP4C	Z	-.549	-.549	0	%100
43	MP3C	X	-.317	-.317	0	%100
44	MP3C	Z	-.549	-.549	0	%100
45	MP2C	X	-.317	-.317	0	%100
46	MP2C	Z	-.549	-.549	0	%100
47	MP1C	X	-.384	-.384	0	%100
48	MP1C	Z	-.665	-.665	0	%100
49	MP4B	X	-.317	-.317	0	%100
50	MP4B	Z	-.549	-.549	0	%100
51	MP3B	X	-.317	-.317	0	%100
52	MP3B	Z	-.549	-.549	0	%100
53	MP2B	X	-.317	-.317	0	%100
54	MP2B	Z	-.549	-.549	0	%100
55	MP1B	X	-.384	-.384	0	%100
56	MP1B	Z	-.665	-.665	0	%100
57	M57A	X	-.38	-.38	0	%100
58	M57A	Z	-.658	-.658	0	%100
59	M58A	X	-.095	-.095	0	%100
60	M58A	Z	-.165	-.165	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	0	0	0	%100

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	M66	X	-.157	-.157	0	%100
64	M66	Z	-.273	-.273	0	%100
65	M67	X	-.157	-.157	0	%100
66	M67	Z	-.273	-.273	0	%100
67	OVP	X	-.289	-.289	0	%100
68	OVP	Z	-.501	-.501	0	%100
69	M81	X	-.405	-.405	0	%100
70	M81	Z	-.701	-.701	0	%100
71	M73	X	-.668	-.668	0	%100
72	M73	Z	-1.157	-1.157	0	%100
73	M74	X	-.405	-.405	0	%100
74	M74	Z	-.701	-.701	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M6	Y	-1.029	-4.932	0	23.395
2	M6	Y	-4.932	-8.836	23.395	46.79
3	M7	Y	-1.029	-4.932	0	23.395
4	M7	Y	-4.932	-8.836	23.395	46.79
5	M6A	Y	-5.144	-5.144	.118	86.834
6	M7A	Y	-1.078	-2.687	0	27.999
7	M7A	Y	-2.687	-4.755	27.999	55.998
8	M7A	Y	-4.755	-6.02	55.998	83.997
9	M7A	Y	-6.02	-4.755	83.997	111.996
10	M7A	Y	-4.755	-2.687	111.996	139.995
11	M7A	Y	-2.687	-1.078	139.995	167.994
12	M5	Y	-1.029	-4.932	0	23.395
13	M5	Y	-4.932	-8.836	23.395	46.79
14	M23A	Y	-5.144	-5.144	.118	86.834
15	M24	Y	-1.078	-2.687	0	27.999
16	M24	Y	-2.687	-4.755	27.999	55.998
17	M24	Y	-4.755	-6.02	55.998	83.997
18	M24	Y	-6.02	-4.755	83.997	111.996
19	M24	Y	-4.755	-2.687	111.996	139.995
20	M24	Y	-2.687	-1.078	139.995	167.994
21	M39A	Y	-5.144	-5.144	.118	86.834
22	M40	Y	-1.078	-2.687	0	27.999
23	M40	Y	-2.687	-4.755	27.999	55.998
24	M40	Y	-4.755	-6.02	55.998	83.997
25	M40	Y	-6.02	-4.755	83.997	111.996
26	M40	Y	-4.755	-2.687	111.996	139.995
27	M40	Y	-2.687	-1.078	139.995	167.994

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M6	Y	-2.001	-9.596	0	23.395
2	M6	Y	-9.596	-17.191	23.395	46.79
3	M7	Y	-2.001	-9.596	0	23.395
4	M7	Y	-9.596	-17.191	23.395	46.79
5	M6A	Y	-10.007	-10.007	.118	86.834
6	M7A	Y	-2.098	-5.227	0	27.999

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
7	M7A	Y	-5.227	-9.252	27.999	55.998
8	M7A	Y	-9.252	-11.712	55.998	83.997
9	M7A	Y	-11.712	-9.252	83.997	111.996
10	M7A	Y	-9.252	-5.227	111.996	139.995
11	M7A	Y	-5.227	-2.098	139.995	167.994
12	M5	Y	-2.001	-9.596	0	23.395
13	M5	Y	-9.596	-17.191	23.395	46.79
14	M23A	Y	-10.007	-10.007	.118	86.834
15	M24	Y	-2.098	-5.227	0	27.999
16	M24	Y	-5.227	-9.252	27.999	55.998
17	M24	Y	-9.252	-11.712	55.998	83.997
18	M24	Y	-11.712	-9.252	83.997	111.996
19	M24	Y	-9.252	-5.227	111.996	139.995
20	M24	Y	-5.227	-2.098	139.995	167.994
21	M39A	Y	-10.007	-10.007	.118	86.834
22	M40	Y	-2.098	-5.227	0	27.999
23	M40	Y	-5.227	-9.252	27.999	55.998
24	M40	Y	-9.252	-11.712	55.998	83.997
25	M40	Y	-11.712	-9.252	83.997	111.996
26	M40	Y	-9.252	-5.227	111.996	139.995
27	M40	Y	-5.227	-2.098	139.995	167.994

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N16	N15	N17	N18	Y	Two Way	-.005
2	N18	N17	N10	N14	Y	Two Way	-.005
3	N14	N10	N15	N16	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N16	N15	N17	N18	Y	Two Way	-.01
2	N18	N17	N10	N14	Y	Two Way	-.01
3	N14	N10	N15	N16	Y	Two Way	-.01

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N2	max	3447.361	11	844.393	41	906.125	1	-.14	1	2.326	11	.887	5
2		min	-3421.72	5	318.2	11	-817.503	7	-2.332	43	-2.367	3	-.631	11
3	N108B	max	1901.613	11	612.987	13	3012.191	1	1.157	13	2.521	5	1.454	16
4		min	-1834.054	5	233.866	31	-3076.279	7	.039	7	-2.567	11	.301	10
5	N111	max	1820.392	9	622.861	21	3088.529	1	.783	1	2.531	1	-.404	4
6		min	-1925.879	3	263.136	3	-3086.207	7	-.151	7	-2.55	7	-1.696	22
7	N168	max	67.898	10	1851.14	13	-571.166	7	0	51	0	8	0	14
8		min	-67.913	4	415.236	7	-2485.98	13	0	1	0	14	0	8
9	N146	max	0	51	0	51	0	51	0	51	0	51	0	51
10		min	0	1	0	1	0	1	0	1	0	1	0	1
11	N135	max	-500.694	3	1808.165	21	1213.106	21	0	22	0	4	0	4
12		min	-2100.922	21	420.253	3	289.108	3	0	4	0	22	0	22

Envelope Joint Reactions (Continued)

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
13	N137	max	2138.886	17	1839.488	17	1234.782	17	0	12	0	12	0	12
14		min	497.952	11	417.947	11	287.412	11	0	30	0	30	0	30
15	Totals:	max	6223.427	10	7253.4	17	6473.482	1						
16		min	-6223.426	4	3112.072	11	-6473.481	7						

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

	Member	Shape	Code C...	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M1	HSS4X4X4	.227	0	6	.154	0	z	5	139005.2...	139518	16.181	16.181	1....	H1-1b
2	M2	HSS4.5X4.5X3	.105	0	40	.068	0	y	45	119859.9...	121302	16.25	16.25	1....	H1-1b
3	M5	LL3x3x4x0	.319	0	15	.054	19.983	y	14	76391.439	93312	6.48	4.361	1....	H1-1b
4	M6	LL3x3x4x0	.314	0	23	.053	19.983	y	22	76391.439	93312	6.48	4.361	1....	H1-1b
5	M7	LL3x3x4x0	.315	0	19	.055	19.983	y	30	76391.439	93312	6.48	4.361	1....	H1-1b
6	M6A	L3X3X4	.204	43.476	3	.013	0	z	18	14725.03	46656	1.688	3.252	1....	H2-1
7	M7A	L3X3X4	.583	167.9...	1	.202	167.9...	y	2	15747.003	46656	1.688	2.161	1	H2-1
8	M23A	L3X3X4	.223	43.476	11	.013	86.952	z	19	14725.03	46656	1.688	3.289	1....	H2-1
9	M24	L3X3X4	.612	167.9...	9	.213	167.9...	y	10	15747.003	46656	1.688	2.161	1	H2-1
10	M39A	L3X3X4	.221	43.476	7	.013	86.952	z	15	14725.03	46656	1.688	3.278	1....	H2-1
11	M40	L3X3X4	.602	167.9...	5	.203	167.9...	y	6	15747.003	46656	1.688	2.161	1	H2-1
12	M55	HSS4.5X4.5X3	.095	0	12	.045	0	y	17	119859.9...	121302	16.25	16.25	1....	H1-1b
13	M56	HSS4.5X4.5X3	.093	0	8	.045	0	y	13	119859.9...	121302	16.25	16.25	1....	H1-1b
14	M22	PIPE_2.0	.214	152.1...	8	.228	152.1...		9	5140.68	32130	1.872	1.872	1....	H3-6
15	M23	PIPE_2.0	.225	152.1...	4	.249	152.1...		5	5140.68	32130	1.872	1.872	1....	H3-6
16	M24A	PIPE_2.0	.209	150.4...	1	.233	12.104		3	5140.68	32130	1.872	1.872	1....	H1-1b
17	MP4A	PIPE_2.0	.243	40.5	1	.092	40.5		11	20866.733	32130	1.872	1.872	2....	H1-1b
18	MP3A	PIPE_2.0	.145	3	11	.088	40.5		9	20866.733	32130	1.872	1.872	2....	H1-1b
19	MP2A	PIPE_2.0	.225	40.5	9	.119	35.25		5	20866.733	32130	1.872	1.872	2....	H1-1b
20	MP1A	PIPE_2.0	.455	40.5	1	.177	41.25		10	20866.733	32130	1.872	1.872	2....	H1-1b
21	MP4C	PIPE_2.0	.242	40.5	9	.095	40.5		7	20866.733	32130	1.872	1.872	1....	H1-1b
22	MP3C	PIPE_2.0	.154	3	6	.096	40.5		5	20866.733	32130	1.872	1.872	1....	H1-1b
23	MP2C	PIPE_2.0	.241	40.5	5	.124	35.25		12	20866.733	32130	1.872	1.872	2....	H1-1b
24	MP1C	PIPE_2.0	.450	40.5	9	.176	41.25		6	20866.733	32130	1.872	1.872	1....	H1-1b
25	MP4B	PIPE_2.0	.249	40.5	5	.092	40.5		3	20866.733	32130	1.872	1.872	1....	H1-1b
26	MP3B	PIPE_2.0	.154	3	2	.090	40.5		1	20866.733	32130	1.872	1.872	2....	H1-1b
27	MP2B	PIPE_2.0	.247	40.5	1	.118	35.25		9	20866.733	32130	1.872	1.872	2....	H1-1b
28	MP1B	PIPE_2.0	.437	40.5	6	.177	41.25		9	20866.733	32130	1.872	1.872	1....	H1-1b
29	M57A	HSS4X4X4	.214	0	5	.134	0	z	12	139005.2...	139518	16.181	16.181	1....	H1-1b
30	M58A	HSS4X4X4	.214	0	9	.134	0	z	7	139005.2...	139518	16.181	16.181	1....	H1-1b
31	M65	PIPE_2.0	.149	9.833	12	.405	0		12	31452.388	32130	1.872	1.872	1....	H3-6
32	M66	PIPE_2.0	.161	6.167	4	.422	0		4	31452.388	32130	1.872	1.872	1....	H3-6
33	M67	PIPE_2.0	.143	6.333	8	.397	0		8	31452.388	32130	1.872	1.872	1....	H3-6
34	OVP	PIPE_2.0	.243	42	6	.020	42		6	26521.424	32130	1.872	1.872	1....	H1-1b
35	M81	LL3x3x3x6	.067	77.197	13	.004	77.197	y	14	45960.932	70632	6.362	3.748	1	H1-1b*
36	M73	LL3x3x3x6	.066	77.197	21	.004	0	y	22	45960.932	70632	6.362	3.748	1	H1-1b*
37	M74	LL3x3x3x6	.067	77.197	17	.004	0	y	18	45960.932	70632	6.362	3.748	1	H1-1b*

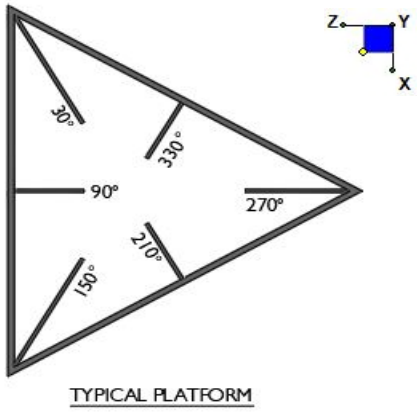
Client:	Verizon	Date:	6/18/2021
Site Name:	Promfret East CT		
Project No.	20777646A		
Title:	Mount Fix	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

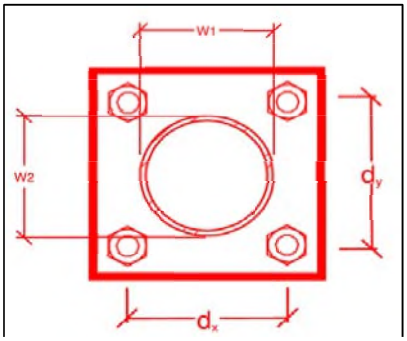
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N2	90
N111	330
N108B	210



TYPICAL PLATFORM

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
W1 (in):	4
W2 (in):	4
Weld Size (1/16 in):	4
Phi*Rn (kip/in):	5.57
Required Weld Strength (kip/in):	1.60
Weld Capacity:	**28.8%**



Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the drawings
- Provide "as built drawings" showing contractor's name, preparer's signature, and date. Any deviations from the drawings (proposed modification) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded **to** https://pmi.vzwsmart.com as depicted on the drawings

Photo Requirements:

- *Base and "During Installation Photos"*
  - Base pictures include
    - Photo of Gate Signs showing the tower owner, site name, and number
    - Photo of carrier shelter showing the carrier site name and number if available
    - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
  - "During Installation Photos if provided - must be placed only in this folder
- *Photos taken at ground level*
  - Overall tower structure before and after installation of the modifications
  - Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

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

Material Certification:

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

☐ The Material utilized was as specified on the Maser Consulting Connecticut Mount Modification Drawings and included
in the Material certification folder is a packing list or invoice for these materials

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

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

- The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.

☐ The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Install proposed OVP on existing equipment pipe. Contractor shall install new safety climb wire rope guides to the existing and proposed mount collar assemblies to prevent interference with mount connection.

Response:

Schedule A – Photo & Document File Structure

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

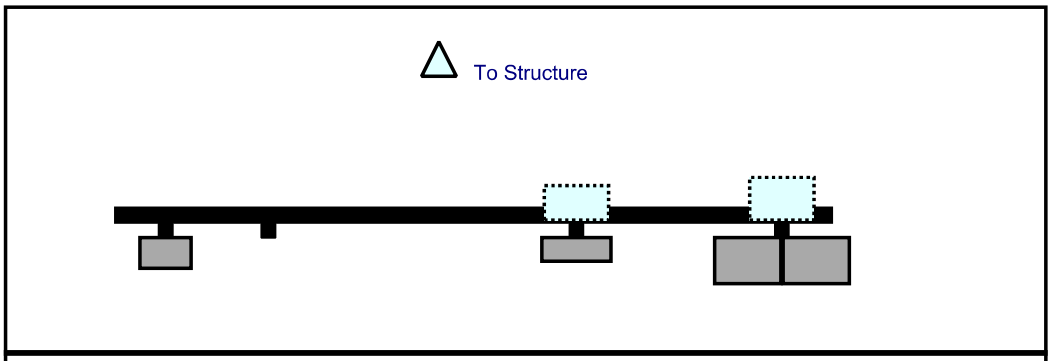
Structure: 467148-VZW - Pomfret East

Sector: **A** 6/18/2021

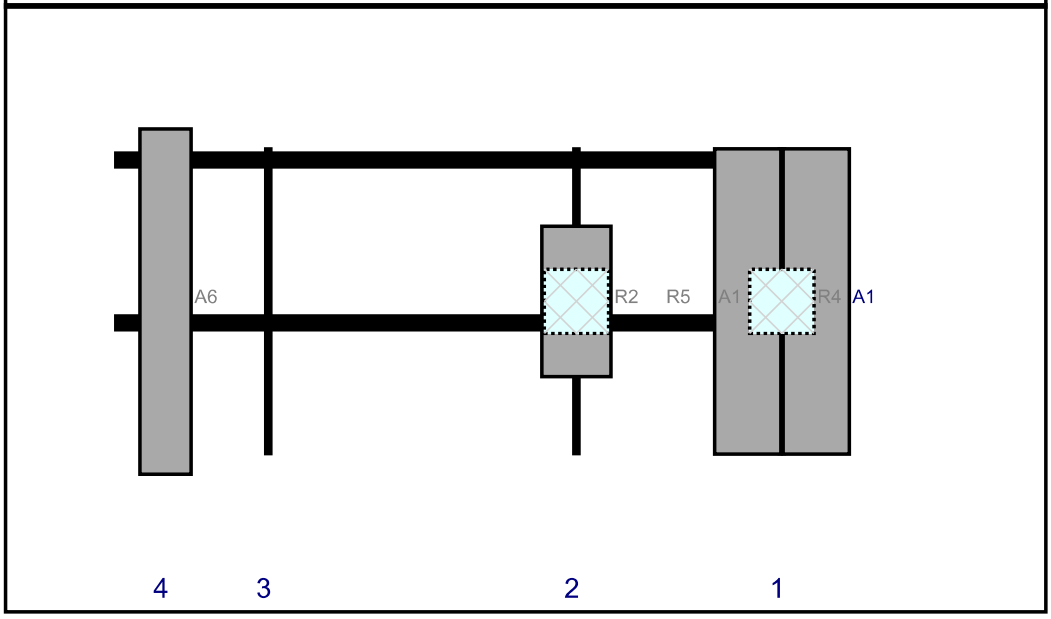
Structure Type: Monopole 10032600

Mount Elev: 155.80 Page: 1

Plan View



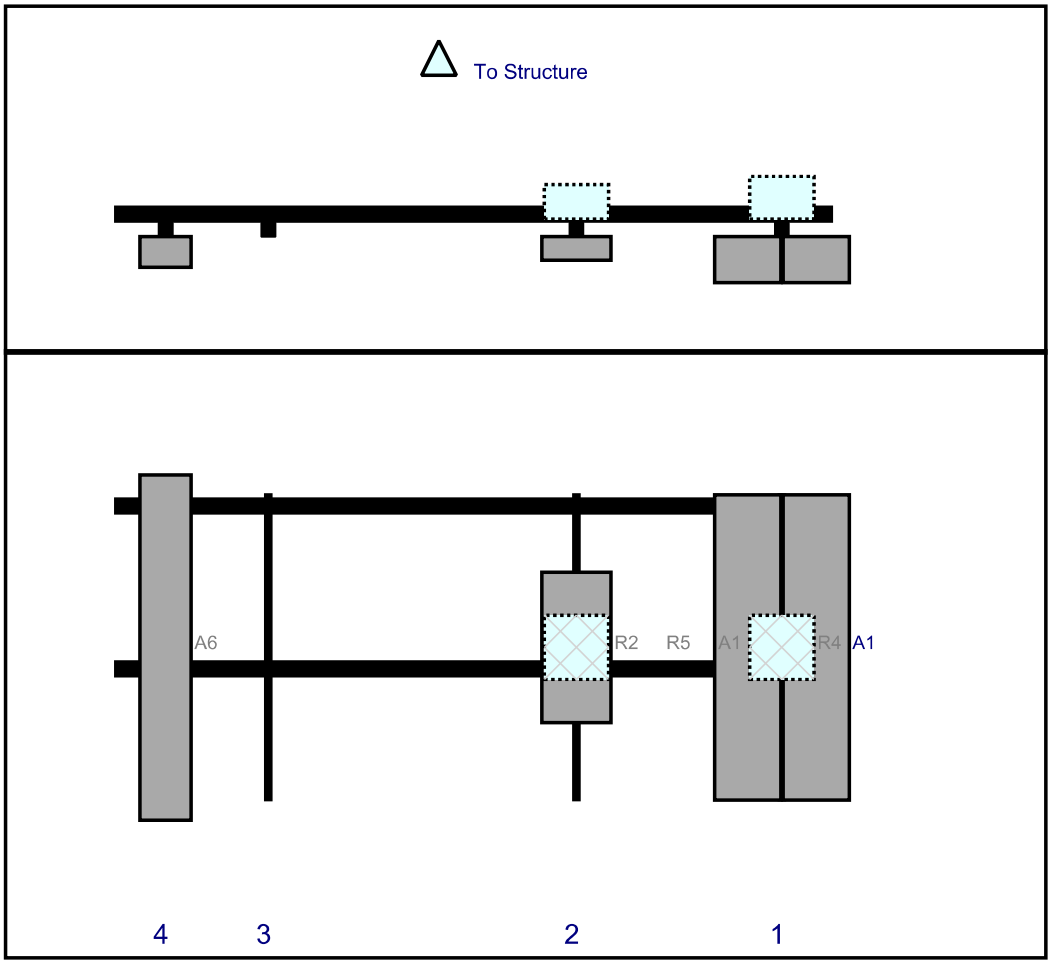
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	MX06FRO660-02	71.3	15.4	156	1	a	Front	36	8	Added	
A1	MX06FRO660-02	71.3	15.4	156	1	b	Front	36	-8	Added	
R4	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	156	1	a	Behind	36	0	Added	
R2	MT6407-77A	35.1	16.1	108	2	a	Front	36	0	Added	
R5	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	108	2	a	Behind	36	0	Added	
A6	LNX-6514DS-A1M	80.6	11.9	12	4	a	Front	36	0	Retained	02/06/2021

Plan View

Front View
Looking at Structure



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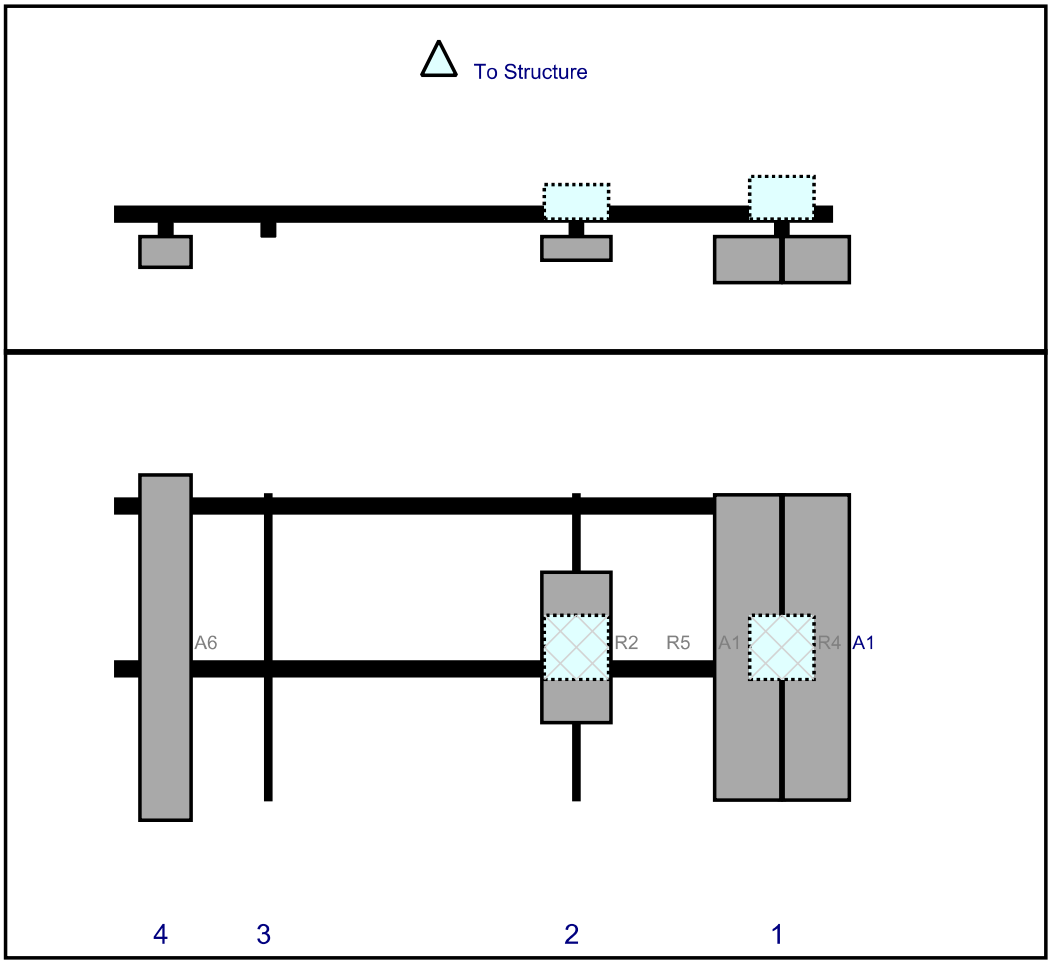
R2	MT6407-77A	35.1	16.1	108	2	a	Front	36	0	Added	
R5	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	108	2	a	Behind	36	0	Added	
A6	LNX-6514DS-A1M	80.6	11.9	12	4	a	Front	36	0	Retained	02/06/2021

Plan View

Front View
Looking at Structure



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R2	MT6407-77A	35.1	16.1	108	2	a	Front	36	0	Added	
R5	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	108	2	a	Behind	36	0	Added	
A6	LNX-6514DS-A1M	80.6	11.9	12	4	a	Front	36	0	Retained	02/06/2021

Maser Consulting Connecticut

MASER CONSULTING — CONNECTICUT —

Subject:	*TIA-222-H Usage*	
Site Information	*Site ID:*	*467148-VZW / POMFRET EAST CT*
	Site Name:	*POMFRET EAST CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*398 Pomfret Street* *Pomfret, Connecticut 06259* *Windham County*
	Latitude:	*41.890094°*
	Longitude:	*-71.955008°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*14.00-Ft Platform*

To Whom It May Concern,

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

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

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

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

Sincerely,

Digitally signed by Justin Linette
Date: 2021.06.24 07:47:36-04'00'

Justin Linette, PE
Sr. Technical Manager

PROJECT NOTES

1. SEE MODIFICATION NOTES
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

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MOUNT MODIFICATION DRAWINGS
EXISTING 14.00-FT PLATFORM

SITE NAME: POMFRET EAST CT
SITE NUMBER: 467148

398 POMFRET STREET
POMFRET, CT 06259
WINDHAM COUNTY

PROJECT INFORMATION

SITE INFORMATION

LATITUDE: 41.890094° N
LONGITUDE: 71.955008° W
JURISDICTION: WINDHAM COUNTY

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS
ADDRESS: 118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP: WESTBOROUGH, MA 01581
CONTACT: ANDREW CANDIELLO
EMAIL: ANDREW.CANDIELLO@VERIZONWIRELESS.COM

PROJECT MANAGER

COMPANY: MASER CONSULTING
CONTACT: GREG DULNIK
PHONE: (615) 686-2575
E-MAIL: GREG.DULNIK@COLLIERSENGINEERING.COM

SHEET INDEX

SHEET	DESCRIPTION
T-1	TITLE SHEET
S-1	BILL OF MATERIALS
S-2	MODIFICATION NOTES
S-3	MODIFICATION NOTES
S-4	MODIFICATION DETAILS
S-5	MODIFICATION DETAILS
S-6	MOUNT PHOTOS
	SPECIFICATION SHEETS

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10072879
VZW LOCATION CODE (PSLC): 467148
FUZE ID: 16272041

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT
SMART TOOL PROJECT #: 10032600
MASER CONSULTING PROJECT #: 20777646A
ANALYSIS DATE: 5/21/2021

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FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN
JOB NUMBER: 20777646A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
0	6/23/2021	ISSUED FOR CONSTRUCTION	AH	JL

JUSTIN LINETTE
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 31961
MASER CONSULTING
C.T. C.O.A. #: PEC.0000131
Digitally signed by Justin Peter Linette
Date: 2021.06.24 07:52:11 -04'00'

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

SITE NAME:
POMFRET EAST CT
467148
398 POMFRET STREET
POMFRET, CT 06259
WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: TITLE SHEET

SHEET NUMBER: T-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
1	VZWSMART	VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY	

OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
6	-	-	6" LONG, HSS 3x3x1/4 SHIM	GALVANIZED

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

VZWSMART KITS - APPROVED VENDORS

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

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

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SCALE:	JOB NUMBER:
AS SHOWN	20777644A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/23/2021	ISSUED FOR CONSTRUCTION	AH	JL

JUSTIN LINETTE
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 33965
MASER CONSULTING
CT COA #: PEC.0000123

Digitally signed by Justin Peter Linette
Date: 2021.06.24 07:52:37-04'00'

SITE NAME:

POMFRET EAST CT
467148

398 POMFRET STREET
POMFRET, CT 06259
WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE:
BILL OF MATERIALS

SHEET NUMBER:
S-1

GENERAL NOTES

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

DESIGN LOADS

WIND LOADS

a. BASIC WIND SPEED (3 SECOND GUST), V = 120 MPH

b. EXPOSURE CATEGORY C

c. TOPOGRAPHIC CATEGORY 1

d. MEAN BASE ELEVATION (AMSL) = 676.02'

ICE LOADS

a. ICE WIND SPEED (3 SECOND GUST), V = 50 MPH

b. ICE THICKNESS = 1.00 IN

SEISMIC LOADS

a. SEISMIC DESIGN CATEGORY B

b. SHORT TERM MCER GROUND MOTION, S_S = .182

c. LONG TERM MCER GROUND MOTION, S_1 = .055

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
   a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
   b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
   c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
   a. SUBMIT SHOP DRAWINGS TO GREG.DULNIK@COLLIERSENGINEERING.COM
   b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
9. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
10. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
11. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
12. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
13. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

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JUSTIN LINETTE

CONNECTICUT PROFESSIONAL ENGINEER

LICENSE NUMBER: 31986

MASER CONSULTING

CT C.O.A. # PEC.0000131

Digitally signed by Justin Peter Linette
Date: 2021.06.24 07:52:27 -04'00'

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398 POMFRET STREET
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WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE:

MODIFICATION NOTES

SHEET NUMBER:

S-2

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MODIFICATION INSPECTION NOTES

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

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

THE MODIFICATION INSPECTION (MI) IS A VISUAL INSPECTION OF MODIFICATIONS AND A REVIEW OF CONSTRUCTION INSPECTIONS AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NAMELY THE MODIFICATION DRAWINGS, AS DESIGNED BY THE ENGINEER OF RECORD (EOR).

THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF, NOR DOES THE MI INSPECTOR TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTEGRITY RESIDES WITH THE EOR AT ALL TIMES.

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

MI INSPECTOR

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

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

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

GENERAL CONTRACTOR

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

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

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

RECOMMENDATIONS

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

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

CORRECTION OF FAILING MI'S

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

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

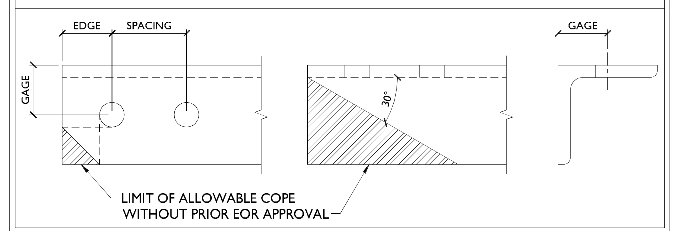
REQUIRED PHOTOS

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

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

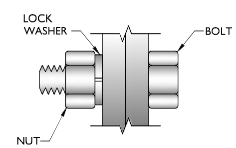
PHOTOS OF ELEVATED MODIFICATIONS TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

ALLOWABLE COPING



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

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



TYP. BOLT ASSEMBLY

NOTES:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.

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CT COA #: PEC.0000131
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2000 Midlantic Drive
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SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: S-3

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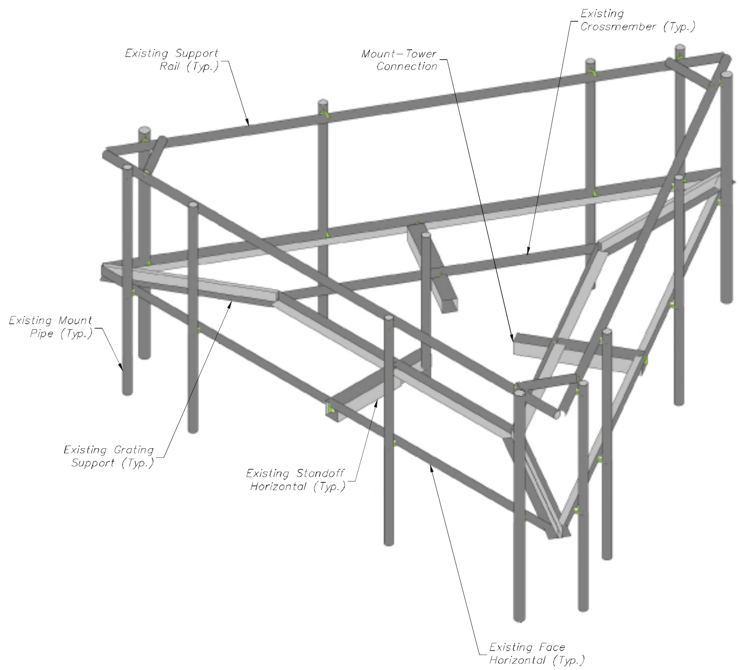
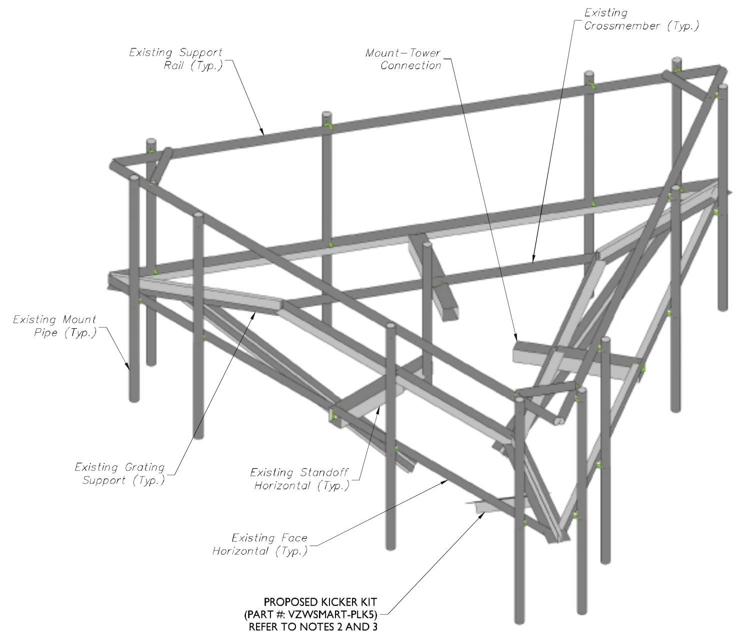


1 EXISTING PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY HUDSON DESIGN GROUP, LLC ON 2/6/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (155'-10") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.

2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.

2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.

3. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).

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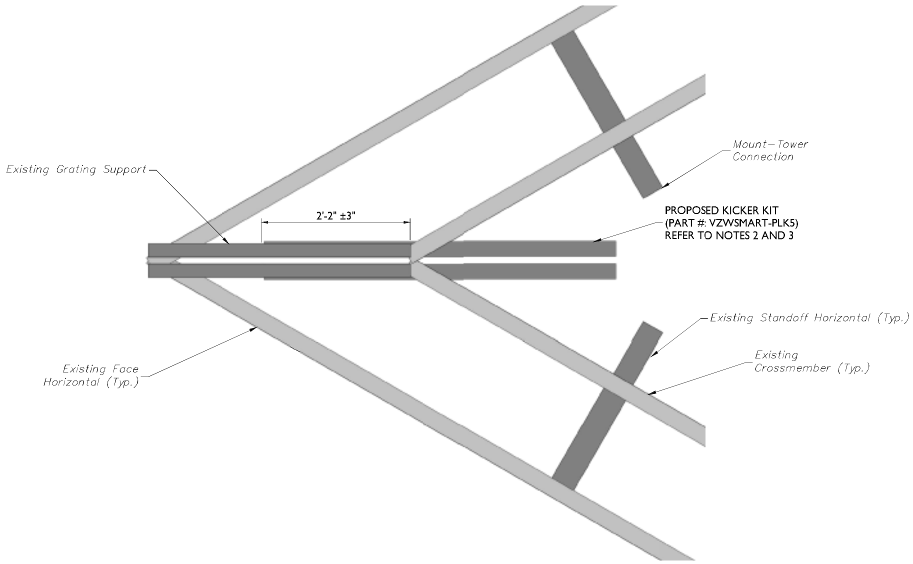
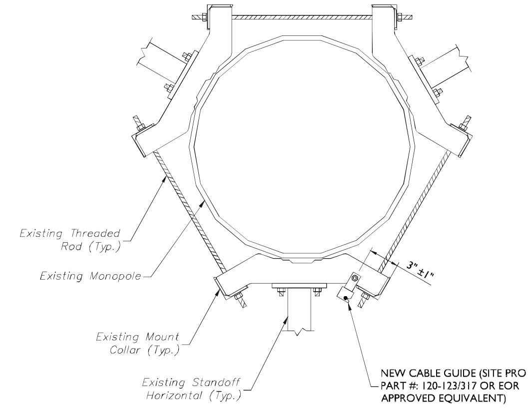
SHEET TITLE:
MODIFICATION DETAILS

SHEET NUMBER:
S-4



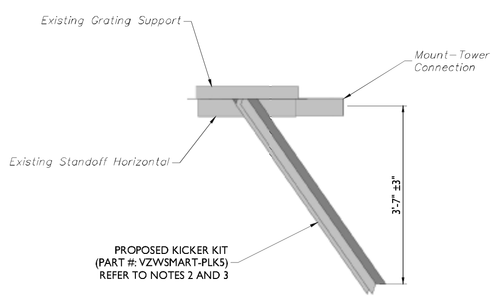
1 PROPOSED KICKER PLAN ELEVATION (TYP. ALL SECTORS)

SCALE : N.T.S.



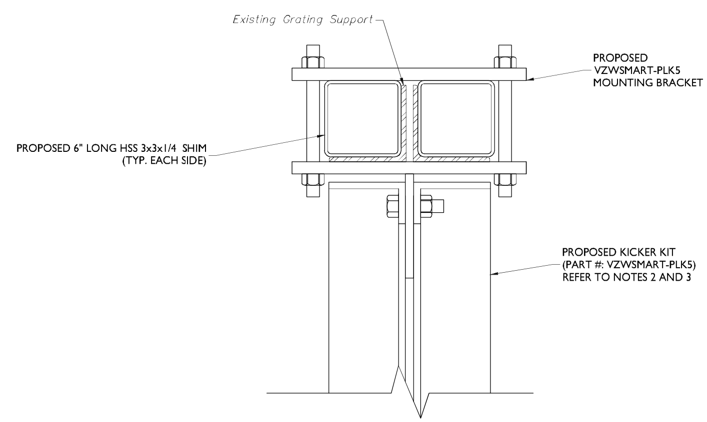
2 PROPOSED CABLE GUIDE COLLAR ATTACHMENT - PLAN VIEW

SCALE : N.T.S.



3 PROPOSED SIDE ELEVATION (TYP. ALL SECTORS)

SCALE : N.T.S.



4 KICKER TO GRATING ANGLE CONNECTION DETAIL

SCALE : N.T.S.

MODIFICATION NOTES:

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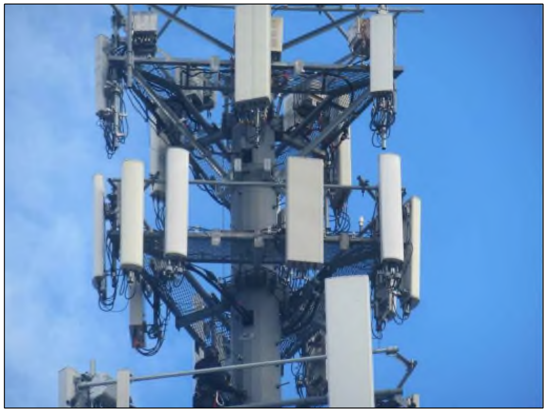
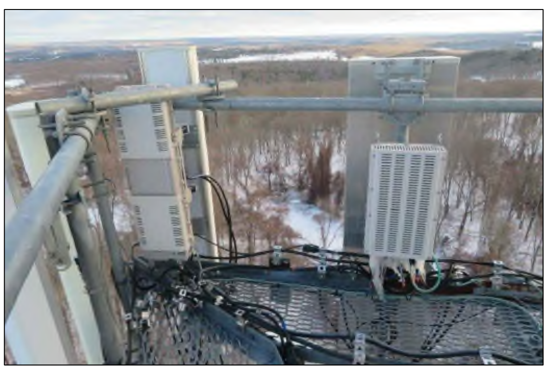
SHEET TITLE: MODIFICATION DETAILS

SHEET NUMBER: S-5



MOUNT PHOTO 1

MOUNT PHOTO 2



MOUNT PHOTO 3

MOUNT PHOTO 4

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2000 Midlantic Drive
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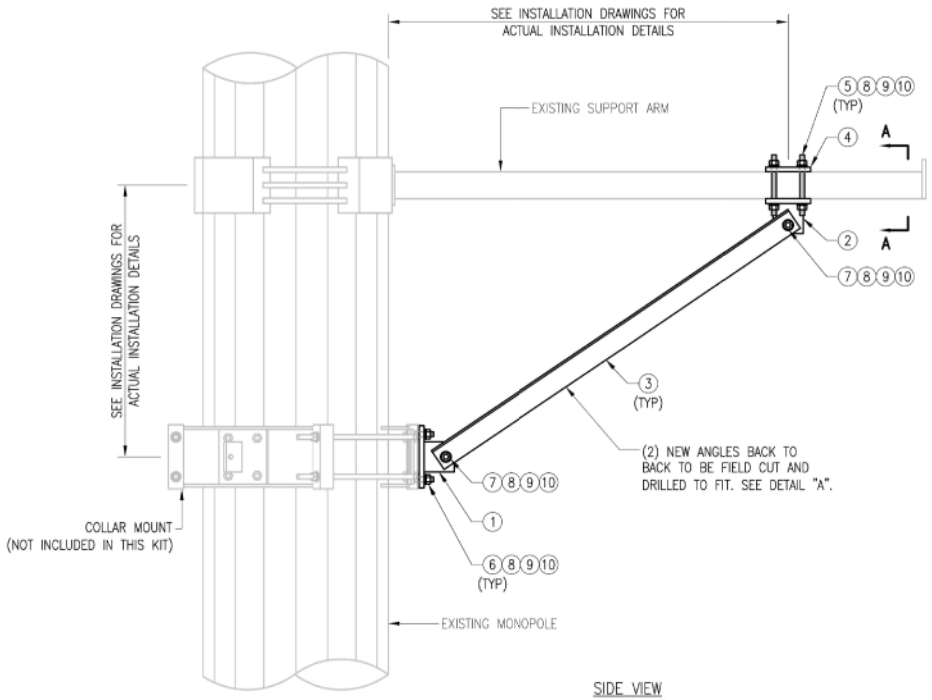
Fax: 856.722.1120

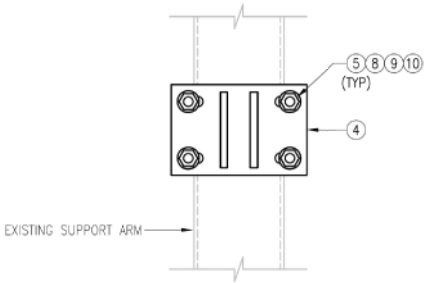
SHEET TITLE: MOUNT PHOTOS

SHEET NUMBER: S-6

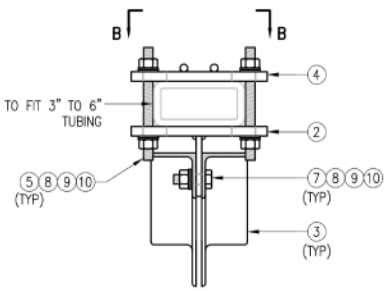
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



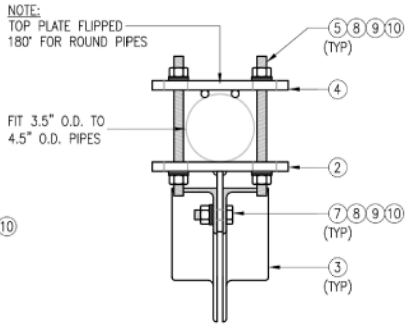
SIDE VIEW
KICKER KIT



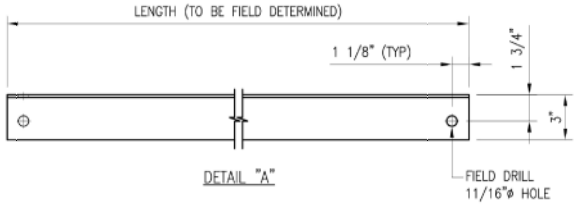
SECTION "B-B"



SECTION "A-A"
RECT. HSS MOUNTING



SECTION "A-A"
ROUND PIPE MOUNTING



DETAIL "A"

VZWSMART-PLK5 (KICKER KIT)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	BRKW-XXX	BRACKET WELDMENT A36	PLK5-F3	43.8
2	3	BRKW-XXXX	BRACKET WELDMENT A36	PLK5-F2	35.7
3	6	L331875-8	L 3" X 3" X 3/16" X 8'-0" A36	PLK5-F4	182.9
4	3	PL-KI	PL 5/8" X 6" X 9" A36	PLK5-F1	29.0
5	12	---	THREADED ROD 5/8" DIA. X 1'-0" F1554-36 HDG	---	--
6	6	---	BOLT 5/8" X 2" A325	---	--
7	12	---	BOLT 5/8" X 2 1/2" A325	---	--
8	42	FW-625	5/8" HDG USS FLAT WASHER	---	3
9	42	LW-625	5/8" HDG LOCK WASHER	---	1
10	42	NUT-625	5/8" HDG HEX NUT	---	5
				GALVANIZED WT	291

NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. FIT UP TO 6" SQ. TUBING OR 4 1/2" O.D. PIPE

VzW SMART Tool© Vendor

verizon

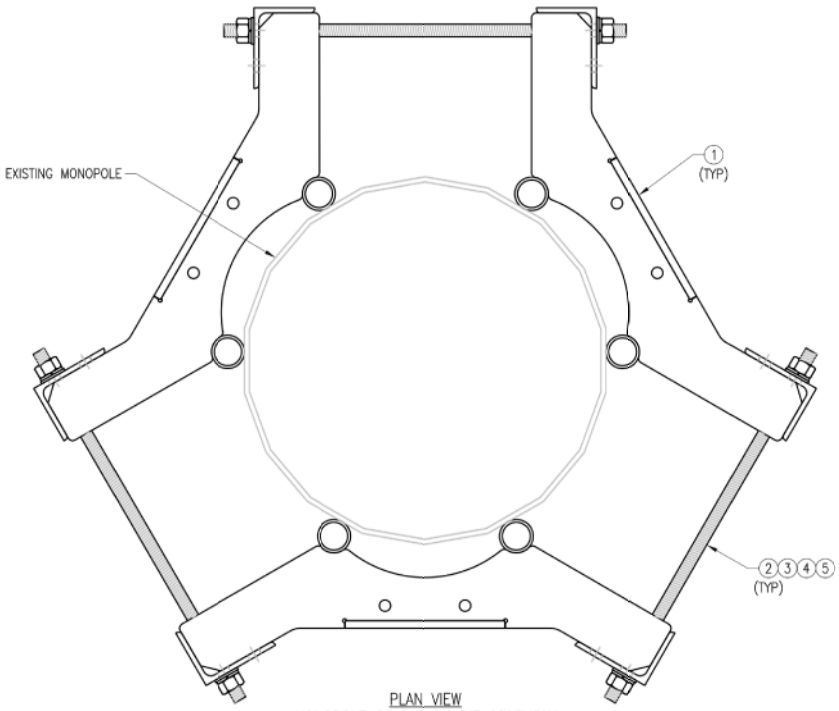
DRAWN BY: MN | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	MN	05/08/20

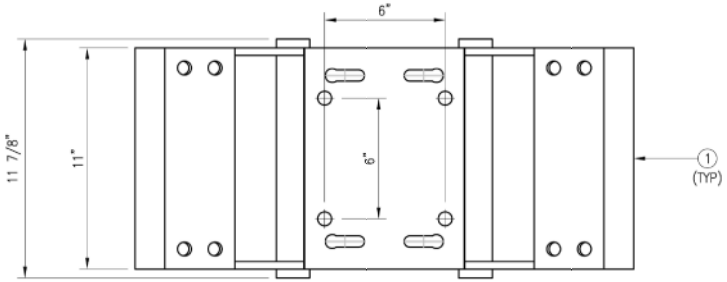
SHEET TITLE:
VZWSMART-PLK5
KICKER KIT

SHEET NUMBER: VZWSMART-PLK5

REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

NOTES:
1. FIT 12" TO 45" DIA MONOPOLE.
2. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	CM-1245	COLLAR MOUNT ASSEMBLY	PLK7-F1	147
2	6	---	THREADED ROD 5/8" X 4'-0" A193-B7	---	
3	12	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	12	LW-625	5/8" HDG LOCK WASHER	---	0
5	12	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	150

VzW SMART Tool© Vendor

verizon

DRAWN BY: BT | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

REV #: 0

ATTACHMENT 5

CT-112-14-A-008.00

1 of 23

☆ CT-112-14-A-008.00

Parcel Report Abutters Report

Owner: POMFRET SCHOOL INC

Address: 398 POMFRET ST

Town: Pomfret

View Additional Details | Run a Report | Remove from Results

neccog

Ashford Brooklyn Canterbury Chaplin Eastford Hampton Killingly Plainfield Pomfret Putnam Scotland Sterling Thompson Union Voluntown Woodstock

Parcel Information:

Report Generated: *9/21/2021 11:08:48 AM*

GIS ID: CT-112-14-A-008.00

Owner Name: *POMFRET SCHOOL INC*

Street Address: 398 POMFRET ST

Mailing Address: PO BOX 128
POMFRET CT 062580128

Assessment: $24,715,900.00

Appraisal: $35,307,700.00

Land: 141.24 **Buildings:** 24.00

	Land Value:	Improvement Value:	Total Value:
Appraised	$1,078,400.00	$34,229,300.00	$35,307,700.00
Assessed		$23,961,100.00	$24,715,900.00

Sale Date: **Sale Price:** $0

Year Built: 1870 **Primary Structure Area:** 7,591.00 sq. ft.

Taxlot highlighted in blue

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

POMFRET EAST

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here ***Postmark with Date of Receipt.***
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103		3	neopost 09/23/2021 US POSTAGE $002.99 ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*	10	

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Maureen Nicholson, First Selectman Town of Pomfret 5 Haven Road Pomfret, CT 06259				
2.	James Rabbitt, Town Planner Town of Pomfret 5 Haven Road Pomfret, CT 06259				
3.	Pomfret School Inc. 398 Pomfret Street Pomfret, CT 06259				
4.					
5.					
6.					

OLD STATE HOUSE STATION 06103 SEP 23 2021 USPS