Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts and New York

August 4, 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**
31 Chestnut Hill Road, Colchester, 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 the Town of Colchester ("Town") in November of 1999. Cellco's use of the tower was approved the Council in July of 2015 (PE1133-VER-20150520). A copy of the Town's tower approval and Cellco's shared-use approval are included in Attachment 1.

Cellco now intends to modify its facility by removing two (2) existing antennas and adding two (2) Samsung MT6407-77A antennas and two (2) NHH4-65A-R6 antennas on its existing antenna platform. Cellco will also remove two (2) remote radio heads ("RRHs") and install two (2) new RRHs behind its antennas. A set of project plans showing Cellco's proposed facility modifications and the new antennas and RRH specifications are included in Attachment 2.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Colchester'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. Cellco's replacement antennas and RRHs will be installed on Cellco's existing antenna platform.

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 calculations 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 can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4. Also included in Attachment 4 is a separate letter prepared by the consulting engineer responsible for the preparation of the SA verifying that the antenna model described in the SA as a VZS01 Antenna, is the Samsung 64T64R (MT6407-77A) model antenna that will be installed on the tower.

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:
Mary Bylone, Colchester First Selectman
Matthew Bordeaux, Colchester Town Planner
Mary and John Przyrowski, Jr., Property Owner
Aleksey Tyurin

ATTACHMENT 1

SITE ID #10125-020

SITE NAME: Colchester 2

CTO 2220-S

JOB COST #002220

ZONING/PERMITTING COMPLETION FORM

Zoning Classification for Site: I- Industrial

Special Relief (setback, height variance, special use permit, wetlands permit etc.):

Site Development Plan Approval

* Date of Zoning Decision: 11/03/99

Summary of zoning conditions **(Include details of any conditions relative to time restrictions, expiration dates, renewal obligations, monetary obligations, performance obligation, inspection fees).**

See attached.

Submitted by: Esther McNany

Title: Territory Manager

Territory Manager Approval:

* Attach a copy of the Zoning decision and forward to the Regional Compliance Manager as soon as possible, after the decision.

Planning and Zoning
Planning Director
Town Engineer
Code Administration
Health Director
Building Official
Fire Marshal
Registered Sanitarian
Zoning Enforcement
Wetlands Enforcement

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

November 4, 1999

Ms. Esther McNany
SBA Inc.
125 Shaw Street
New London, CT 06320

RE: SDP#99-238, SBA/Omnipoint Communications, 31 Chestnut Hill Road, Communications Tower, Site Development Plan prepared by Goodkind & O'Dea Inc (Job#CT10125-020) dated 9/28/99 revised through 10/19/99

Dear Ms. McNany:

The above referenced site development plan was approved by the Zoning & Planning Commission at their regular meeting held November 3, 1999.

Per Section 12.10.1 of the Zoning Regulations, a bond in the amount of 25% of the total cost of site improvements must be posted prior to the endorsement of this plan and/or commencement of work. A bond estimate must be submitted to the Town Engineer for his review and approval.

If you have any questions, please call me at 537-7283.

Very truly yours,

Alicia Lathrop
Zoning Enforcement Officer

127 NORWICH AVENUE ❖ COLCHESTER, CT 06415 ❖ (860) 537-7280 ❖ FAX (860) 537-7287

COLCHESTER ZONING AND PLANNING COMMISSION
WEDNESDAY, OCTOBER 20, 1999
TOWN HALL, 127 NORWICH AVENUE, COLCHESTER, CT

MINUTES OF MEETING

MEMBERS PRESENT: Chairman Robert Weeks, Michel Ciccone, James Ford, John Gagnon, L. Kieft-Robitaille, John Mahoney, Mark Noniewicz, Ronald Vasquez

MEMBERS ABSENT: Joseph Mathieu

STAFF PRESENT: Larry Dunkin, AICP, Planning Director, Alicia Lathrop, Zoning Enforcement Officer and Deanna Rhodes, Clerk

1. CALL MEETING TO ORDER

The regular meeting of the Zoning and planning Commission was called to order at 7:02 p.m. by Chairman Robert Weeks.

2. ADDITIONS TO AGENDA

A. Lathrop requested the order of the agenda be changed for Item 6A, Pending Applications, to be addressed with Item 7C, New Applications.

MOTION by J. Ford, SECOND by J. Mahoney to move Item 6A to be addressed concurrently with Item 7C. **MOTION CARRIED UNANIMOUSLY.**

3. PUBLIC HEARINGS

A. Lathrop read the legal warning.

A. SE#99-138, H. Waltmire, 328 West Road, Accessory Apartment

Public Hearing Record Items
a. Application SE#99-138, W. Henry Waltmire applicant
b. Floor plan, proposed accessory apartment and plot plan showing proposed addition
c. Staff Report, Alicia Lathrop, Zoning Enforcement Officer, dated 10/19/99
d. Sign-off/Approval by Director of Health, Wendy S. Mis, dated 10/13/99
e. Staff Report, Larry L. Dunkin, Planning Director, dated 10/20/99

A. Lathrop gave an overview of the proposed accessory apartment, which is to be located over an existing garage planned for expansion from two to three-bays. She stated that the main entrance to the apartment would be through the primary dwelling, with the second means of egress from the second story rear deck. She noted an additional third means of egress is proposed from the interior of the garage and that the Planning Director and her have differing opinions about allowing the access through the garage. She noted the applicant was not present, but that Mrs. Peterson, the proposed tenant was.

L. Dunkin voiced concern that the egress from the garage would undermine the regulation requiring the main access to be from the primary dwelling unit. A. Lathrop stated that the zoning requirement has been met and clarified that no additional front door will exist. L.

Dunkin stated the off-street parking shown on the plan needs to be corrected and increased to meet the requirements.

Speaking in Favor: Sally Peterson, mother of the applicant, stated she will be the tenant of the apartment and is in favor of the application.

Speaking in Opposition: No one spoke.

MOTION by J. Mahoney, SECOND by M. Ciccone to CLOSE THE PUBLIC HEARING. **MOTION CARRIED UNANIMOUSLY.**

4. FIVE-MINUTE SESSION FOR THE PUBLIC - No one spoke.

5. MINUTES OF THE PREVIOUS MEETING – 10/6/99 Mtg.

MOTION by M. Ciccone, SECOND by J. Gagnon to APPROVE 10/06/99 minutes. ABSTAINED: J. Mahoney, M. Noniewicz and L. Kieft-Robitaille. VOTING IN FAVOR: All others present. **MOTION CARRIED.**

6. PENDING APPLICATIONS

B. SE#99-138, H. Waltmire, 328 West Road, Accessory Apartment (DRD 65 days close PH)

MOTION by J. Mahoney, SECOND by J. Gagnon to APPROVE SE#99-138 conditional upon the off-street parking meeting the zoning requirements. **MOTION CARRIED UNANIMOUSLY.**

C. SDP#99-237, BRG Interests, 119 Broadway, Modified site plan (DRD 12/10/99)

A. Lathrop explained that this application is for a modification to a previously approved site plan for which a bond has already been placed. She stated the modified site plan reverts to the original parking configuration and eliminates from the current proposal the construction of the second building.

Bruce Goldstein, owner of the property, stated there will be a single tenant instead of three and there will be only one handicapped ramp.

A. Lathrop clarified to the Commission that the site plan presented is the build out of Phase I and the required drainage. The Town Engineer's comments have been addressed and approval was given by the State of Connecticut Department of Transportation.

MOTION by J. Mahoney, SECOND by J. Gagnon to APPROVE SDP#99-237. **MOTION CARRIED UNANIMOUSLY.**

7. NEW APPLICATIONS

A. SUB#99-303, L. Savitsky, 314 Westchester Road, 1 lot re-subdivision

B. SUB#99-304, G. Gallucci, Taylor Road, 3 lot re-subdivision

MOTION BY J. Mahoney, SECOND by J. Ford to SET PUBLIC HEARINGS for November 17, 1999. **MOTION CARRIED UNANIMOUSLY.**

C. SDP#99-238, SBA/Omnipoint Communications, 31 Chestnut Hill Road, Site Development Plan, Communications Tower (DRD 12/24/99)
SDP#99-235, SBA/Omnipoint Communications, 48 Westchester Road, Site Development Plan, Communications Tower (DRD 11/5/99)

A. Lathrop gave an overview of the applications which are for two separate telecommunications towers, one behind Carefree Building on Westchester Road and the other location on Chestnut Hill Road near Exit 21 off Route 2. She stated that the Westchester Road location has received approval from the Conservation Commission for the wetlands crossing and that the applicant is requesting an exception to exceed the height restriction for both locations.

Esther McNany, representing SBA, Inc. and Omnipoint, addressed the Commission and stated that SBA, Inc. will be the site manager and owner of the proposed towers and Omnipoint will lease space on the towers. She presented information displaying coverage gaps in and around Colchester and clarified that the main purpose of the towers is to service customers using portable phones while in transport along main roadway corridors throughout the State.

Jim Ford voiced concern about multiple towers within close proximity to each other and sharing of towers by carriers. A discussion ensued.

L. Dunkin reminded the Commission that the regulations allow for telecommunication towers in all zones as public utilities. A. Lathrop stated that both site plans meet the zoning regulations.

MOTION by J. Ford, SECOND by J. Mahoney to TABLE SDP#99-235 and SDP#99-238. VOTING IN FAVOR: J. Gagnon, R. Vasquez, J. Ford, J. Mahoney and R. Weeks, VOTING IN OPPOSITION: M. Ciccone, M. Noniewicz and L. Kieft-Robitaille. **MOTION CARRIED.**

8. OLD BUSINESS - None

9. NEW BUSINESS - None

10. COMMUNICATIONS

A. Lathrop distributed information compiled regarding "Transitional Living Facilities"', Fair Housing Act and cellular towers. She also distributed a draft of the Zoning and Planning Commission Year 2000 meeting schedule.

R. Weeks stated that a new member, Joseph Mathieu, has been appointed to the Commission.

11. ZONING ENFORCEMENT OFFICER'S REPORT

J. Ford questioned A. Lathrop about enforcement regarding an addition to a tower on Old Hartford Road. A. Lathrop stated that an exception to the height limit was granted at the time of approval and that a specific height limit was not stated. She noted a building permit has been issued for the additional tower on the silo. A discussion ensued regarding creating cellular tower regulations.

12. PLANNING ISSUES & DISCUSSION

L. Dunkin stated that the next regular meeting for the Subcommittee for the Plan of Conservation and Development will meet on November 10, 1999.

13. ADJOURNMENT

MOTION by J. Mahoney, SECOND by M. Noniewicz to ADJOURN. **MOTION CARRIED UNANIMOUSLY.** The meeting was adjourned at 8:32 p.m.

Deanna Rhodes

Deanna Rhodes, Clerk

CT 2220-5

CT33XC575 Colchester SBA

OFFICE USE ONLY
Street 31 Chestnut Hill
Map ______ Lot ______
Date Feb 23 2000
PERMIT № 8319

TOWN OF COLCHESTER

BUILDING PERMIT

FEES PAID	Structural 450	Plumbing ______	Misc. ( ) 7.20
	Septic ______	Heating ______	Misc. ( ) 10
	Electrical ______	Well ______	Total Fee Paid 467.20

PERMISSION IS HEREBY GRANTED TO Sprint PCS
to: erect ✓, alter ______, enlarge ______, repair ______, move ______, demolish ______, a Antenna
located at 31 Chestnut Hill on land
owned by John Przybrowski
Said: erection ✓, alteration ______, enlargement ______, repairs ______, removal ______, demolition ______, to be
occupied as Communications Equipment
as described in Application No. ______ and to conform with plans and specifications filed with application, all provisions of the Connecticut Building Code and to comply with all other laws and rules relating to this subject. If no work is performed within six months from the time of issuance, this permit shall expire by limitation as provided by law.

REMARKS Antenna & Associated Equipment

Receipt No. 1163

Approved by Timothy E. York
Timothy E. York
Building Inspector

Please refer to notice on reverse side of this permit

WHITE: Applicant **CANARY:** Assessor **PINK:** Gen. File **GOLDENROD:** Street File

SITE # 10125-020
FILE TYPE CO-LO.
SECTION SPRINT.

Attention: Steve Mauro
201-684-4141

SBA
Ed Dupont
860-659-9140

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@ct.gov
www.ct.gov/csc

July 2, 2015

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597

RE: **PE1133-VER-20150520** – Cellco Partnership d/b/a Verizon Wireless sub-petition for a declaratory ruling for approval of an eligible facility request for modifications to an existing telecommunications facility located at 31 Chestnut Hill Road, Colchester, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) hereby approves your Eligible Facilities Request (EFR) to install antennas and associated equipment at the above-referenced facility pursuant to the Federal Communications Commission Wireless Infrastructure Report and Order, with the following conditions:

- The proposed feedlines and remote radio heads should be installed in accordance with the structural analysis report prepared by FDH Engineering dated March 11, 2015 and stamped by Dennis Abel;
- Within 45 days following completion of the equipment installation, Cellco shall provide documentation that its installation complied with the recommendations of the structural analysis;
- Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
- Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by the Petitioner shall be removed within 60 days of the date the antenna ceased to function;
- The validity of this action shall expire one year from the date of this letter; and
- The petitioner may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.

This decision is under the exclusive jurisdiction of the Council and is not applicable to any other modification or construction. All work is to be implemented as specified in the EFR dated May 20, 2015.

Thank you for your attention and cooperation.

Very truly yours,

Melanie Bachman
Acting Executive Director

MB/MP

c: Honorable Stan Soby, First Selectman, Town of Colchester
Adam Turner, Town Planner, Town of Colchester

ATTACHMENT 2

VICINITY MAP

SCALE: N.T.S.

N

APPROXIMATE COORDINATES:	LATITUDE:	N41° 34' 17.40"
	LONGITUDE:	W72° 18' 09.10"

NOTE:

AN ANALYSIS OF THE CAPACITY OF THE EXISTING STRUCTURE TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY TOWER ENGINEERING SOLUTIONS.
DATED: MAY 20, 2021

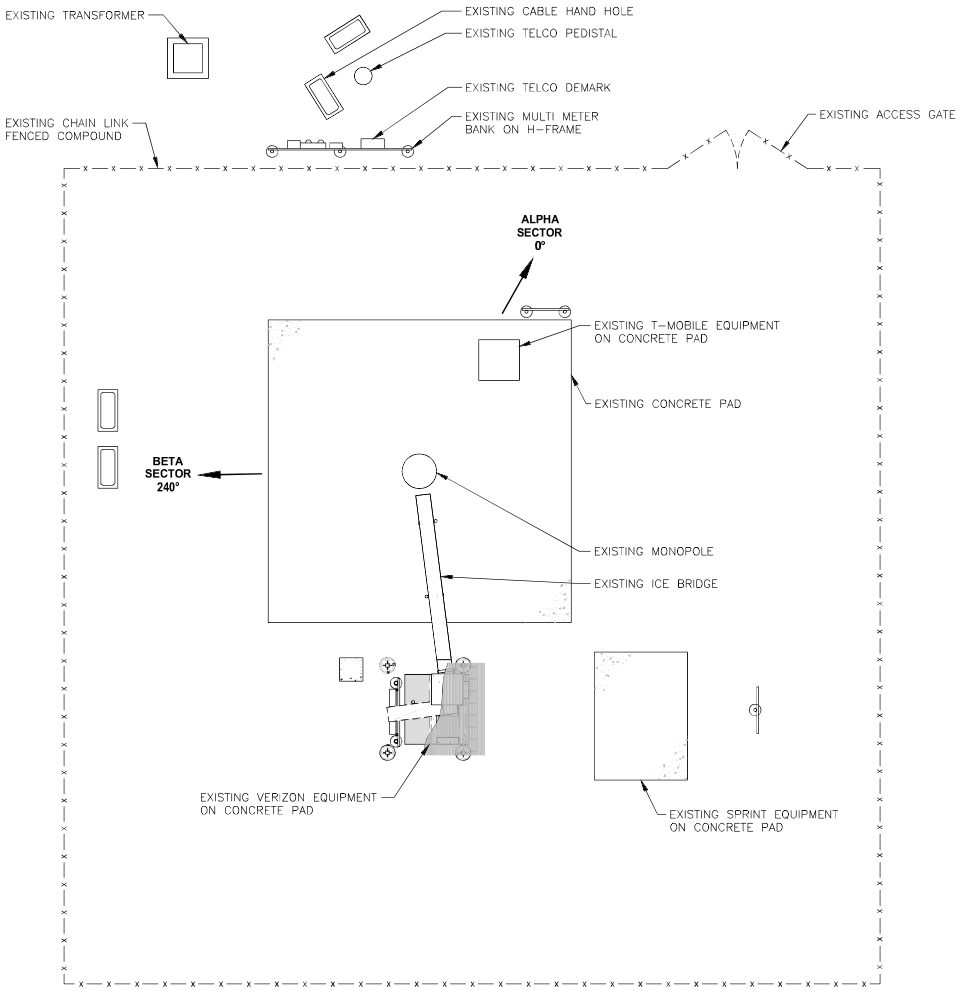
NOTE:

AN ANALYSIS FOR THE CAPACITY OF THE EXISTING ANTENNA MOUNT TO SUPPORT THE PROPOSED LOADING IS BASED UPON THE LATEST MOUNT ASSESSMENT BY MASER CONSULTING CONNECTICUT

NOTE:

PROPOSED VZS01 ANTENNA SIZE AND WEIGHT ARE NOT TO EXCEED:

DIMENSIONS H35.12"xW16.06"xD5.51"
WEIGHT (INCLUDING INTEGRATED RRH) 87.1 LBS



COMPOUND PLAN (1 / A-1)
22x34 SCALE: 3/16"=1'-0"
11x17 SCALE: 3/32"=1'-0"

GRAPHIC SCALE
0 2'-8" 5'-4" 10'-8" 16'-0"

FIELD INSPECTION DATE: 05-05-2021

SCOPE

1. EXISTING (2) ANTENNAS TO BE REMOVED, INSTALL (4) ANTENNAS PER 'RF'.
2. EXISTING (2) RRHS TO BE REMOVED, INSTALL (4) RRHS PER 'RF'.
3. EXISTING (1) JUNCTION BOX TO REMAIN PER 'RF'.
4. EXISTING (1) 6x12 HYBRID CABLE TO REMAIN PER 'RF'.
5. ALL REPLACEMENT ANTENNAS TO MATCH EXISTING CONDITION & HEIGHTS.
6. RECONFIGURE/RELOCATE EXISTING ANTENNA MOUNTS AS NECESSARY TO ACCOMMODATE HORIZONTAL SEPARATION, PROPOSED AZIMUTHS, AND ANTENNAS CONFIGURATION.

NEW ANTENNA CONFIGURATION

NOTE TO GENERAL CONTRACTOR:

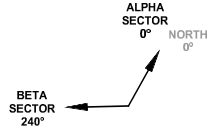
'RF' DESIGN AND EQUIPMENT IS BASED UPON **RFDS ISSUED BY VZW DATED: FEBRUARY 23, 2021. REVISION 0**

THE CONTRACTOR OF RECORD SHALL CONTACT VZW PRIOR TO ANY AND ALL ORDERING/PURCHASING/INSTALLATION OF EQUIPMENT TO VERIFY THAT THE 'RF' LISTED IN THE DRAWING SET IS CURRENT AND UP TO DATE.

NOTES

1. NORTH SHOWN AS APPROXIMATE.
2. SOME EXISTING & PROPOSED INFORMATION NOT SHOWN FOR CLARITY.
3. ANTENNAS WILL BE CAMOUFLAGED WITH 3M WRAP OR SHERWIN-WILLIAMS PRO INDUSTRIAL DTM ACRYLIC PAINT, AS NEEDED, PER VERIZON WIRELESS AND BUILDING OWNER'S APPROVAL.
4. PRIOR TO COMMENCEMENT OF ANY WORK, PROPOSED ANTENNA INSTALLATION IS PURSUANT TO FINDINGS DICTATED IN STRUCTURAL ANALYSIS. STRUCTURAL ANALYSIS TO VERIFY CAPACITY OF EXISTING STRUCTURE TO ENSURE STRUCTURAL INTEGRITY FOLLOWING INSTALLATION OF PROPOSED ANTENNAS, COAX CABLES AND REQUIRED HARDWARE. COPY OF STRUCTURAL ANALYSIS TO BE SENT TO DESIGN ENGINEER.
5. CONTRACTOR SHALL FIELD VERIFY SCOPE OF WORK, VERIZON WIRELESS ANTENNA MOUNT LOCATION AND ANTENNAS TO BE INSTALLED.
6. CONTRACTOR SHALL NOTIFY ENGINEERS IF FIELD CONDITIONS DIFFER FROM DESIGN.
7. RAD CENTERS MEASURED IN THE FIELD WITH LASER BY HDG. RAD CENTERS MAY NOT MATCH RF ANTENNA DESIGN SHEET.

ANTENNA ORIENTATION



PREPARED FOR: CELLCO PARTNERSHIP D.B.A.

verizon

HUDSON Design Group LLC
45 BEECHWOOD DRIVE
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

STATE OF CONNECTICUT
DANIEL P. HAMM
No. 24178
LICENSED PROFESSIONAL ENGINEER

CONSTRUCTION DRAWINGS ARE VALID FOR SIX MONTHS AFTER ENGINEER (OF RECORD) STAMPED AND SIGNED SUBMITTAL DATE LISTED HEREIN

CHECKED BY: JX

APPROVED BY: DPH

SUBMITTALS

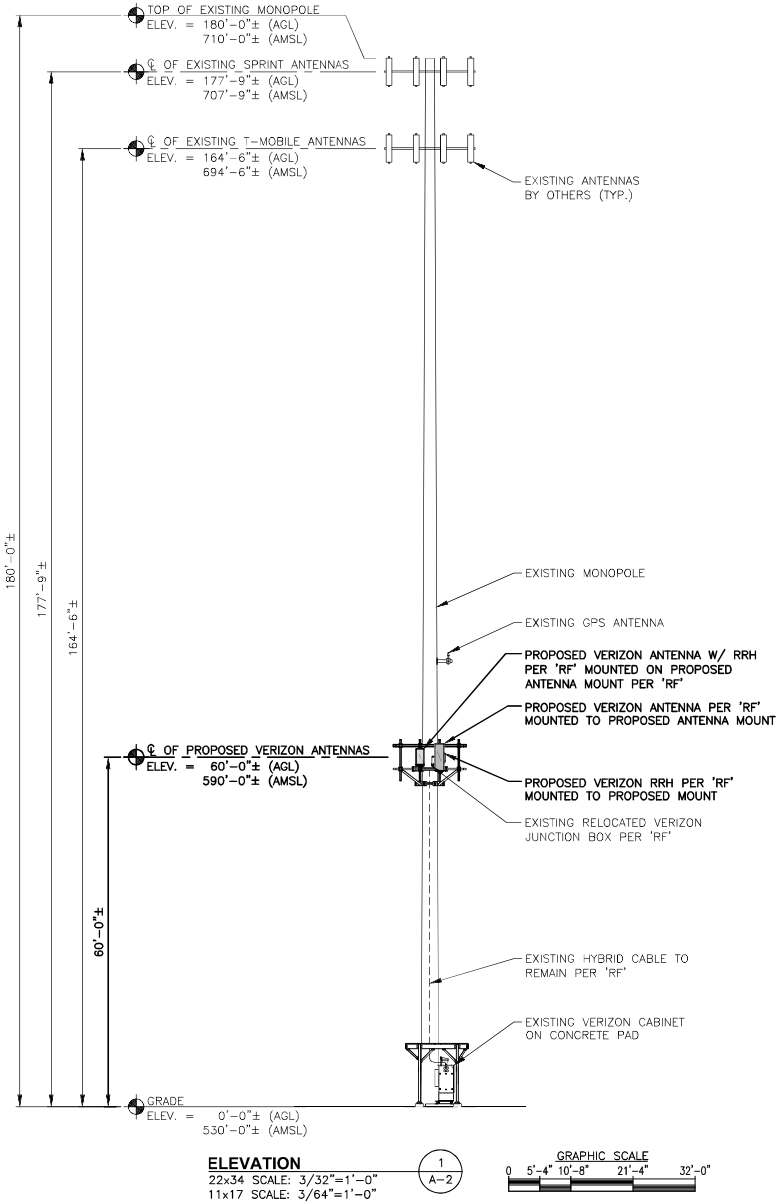
REV.	DATE	DESCRIPTION	BY
0	07/09/21	FOR CONSTRUCTION	GA/DS

SITE NAME:
COLCHESTER 3 CT

SITE ADDRESS:
31 CHESTNUT HILL ROAD
COLCHESTER, CT 06415

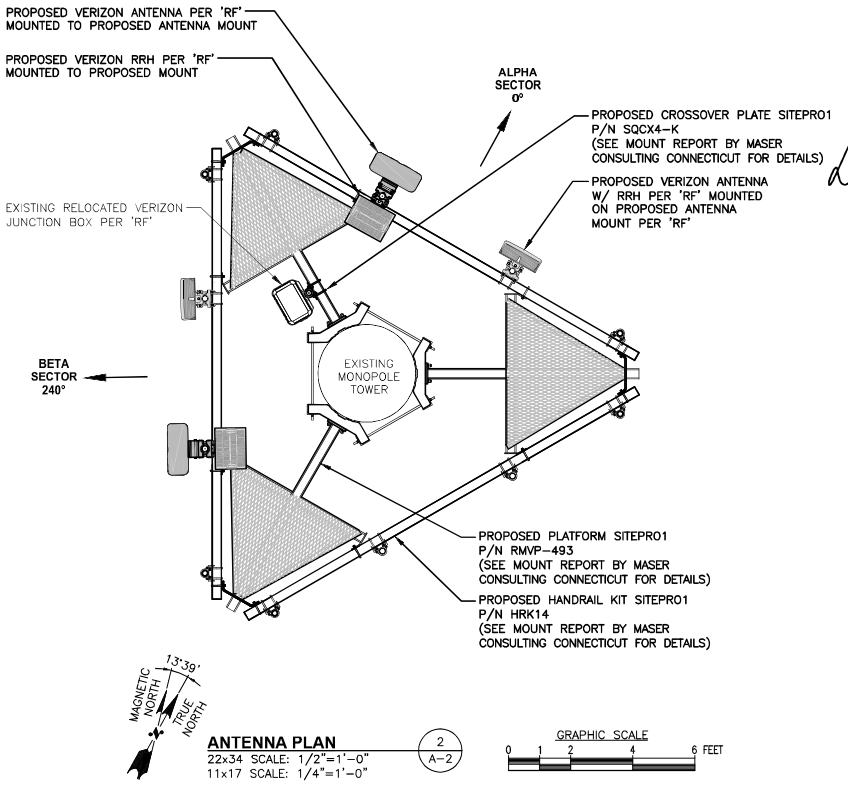
SHEET TITLE
COMPOUND PLAN

SHEET NUMBER
A-1



ELEVATION (1 / A-2)
22x34 SCALE: 3/32"=1'-0"
11x17 SCALE: 3/64"=1'-0"

GRAPHIC SCALE
0 5'-4" 10'-8" 21'-4" 32'-0"



ANTENNA PLAN (2 / A-2)
22x34 SCALE: 1/2"=1'-0"
11x17 SCALE: 1/4"=1'-0"

GRAPHIC SCALE
0 1 2 4 6 FEET

NOTE:
AN ANALYSIS OF THE CAPACITY OF THE EXISTING STRUCTURE TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY TOWER ENGINEERING SOLUTIONS.
DATED: MAY 20, 2021

NOTE:
AN ANALYSIS FOR THE CAPACITY OF THE EXISTING ANTENNA MOUNT TO SUPPORT THE PROPOSED LOADING IS BASED UPON THE LATEST MOUNT ASSESSMENT BY MASER CONSULTING CONNECTICUT

NOTE:
PROPOSED VZS01 ANTENNA SIZE AND WEIGHT ARE NOT TO EXCEED:

DIMENSIONS H35.12"xW16.06"xD5.51"
WEIGHT (INCLUDING INTEGRATED RRH) 87.1 LBS

PREPARED FOR: CELLCO PARTNERSHIP D.B.A.
verizon

HUDSON Design Group LLC
45 BEECHWOOD DRIVE
N. ANDOVER, MA 01845
TEL: (978) 557-5553
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STATE OF CONNECTICUT
DANIEL P. HAMM
No. 24178
LICENSED PROFESSIONAL ENGINEER

CONSTRUCTION DRAWINGS ARE VALID FOR SIX MONTHS AFTER ENGINEER OF RECORDS STAMPED AND SIGNED SUBMITTAL DATE LISTED HEREIN

CHECKED BY: JX

APPROVED BY: DPH

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
0	07/09/21	FOR CONSTRUCTION	GA/DS

SITE NAME:
COLCHESTER 3 CT

SITE ADDRESS:
31 CHESTNUT HILL ROAD
COLCHESTER, CT 06415

SHEET TITLE
ELEVATION & ANTENNA PLAN

SHEET NUMBER
A-2

STRUCTURAL NOTES:

1. DESIGN REQUIREMENTS ARE PER STATE BUILDING CODE AND APPLICABLE SUPPLEMENTS, INTERNATIONAL BUILDING CODE, EIA/TIA-222-G STRUCTURAL STANDARDS FOR STEEL ANTENNA, TOWERS AND ANTENNA SUPPORTING STRUCTURES.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. ANY UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND ENGINEER OF RECORD.
3. DESIGN AND CONSTRUCTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
4. STRUCTURAL STEEL SHALL CONFORM TO ASTM A992 (Fy=50 ksi), MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A36 UNLESS OTHERWISE INDICATED.
5. STEEL PIPE SHALL CONFORM TO ASTM A500 "COLD-FORMED WELDED & SEAMLESS CARBON STEEL STRUCTURAL TUBING", GRADE B, OR ASTM A53 PIPE STEEL BLACK AND HOT-DIPPED ZINC-COATED WELDED AND SEAMLESS TYPE E OR S, GRADE B. PIPE SIZES INDICATED ARE NOMINAL. ACTUAL OUTSIDE DIAMETER IS LARGER.
6. STRUCTURAL CONNECTION BOLTS SHALL BE HIGH STRENGTH BOLTS (BEARING TYPE) AND CONFORM TO ASTM A325 TYPE-X "HIGH STRENGTH BOLTS FOR STRUCTURAL JOINTS, INCLUDING SUITABLE NUTS AND PLAIN HARDENED WASHERS". ALL BOLTS SHALL BE 3/4" DIA UON.
7. ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS", UNLESS OTHERWISE NOTED.
8. ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC-COATING (HOT-DIP) ON IRON AND STEEL HARDWARE", UNLESS OTHERWISE NOTED.
9. FIELD WELDS, DRILL HOLES, SAW CUTS AND ALL DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED WITH AN ORGANIC ZINC REPAIR PAINT COMPLYING WITH REQUIREMENTS OF ASTM A780. GALVANIZING REPAIR PAINT SHALL HAVE 65 PERCENT ZINC BY WEIGHT, ZIRP BY DUNCAN GALVANIZING, GALVA BRIGHT PREMIUM BY CROWN OR EQUAL. THICKNESS OF APPLIED GALVANIZING REPAIR PAINT SHALL BE NOT NOT LESS THAN 4 COATS (ALLOW TIME TO DRY BETWEEN COATS) WITH A RESULTING COATING THICKNESS REQUIRED BY ASTM A123 OR A153 AS APPLICABLE.
10. CONTRACTOR SHALL COMPLY WITH AWS CODE FOR PROCEDURES, APPEARANCE AND QUALITY OF WELDS, AND FOR METHODS USED IN CORRECTING WELDING. ALL WELDERS AND WELDING PROCESSES SHALL BE QUALIFIED IN ACCORDANCE WITH AWS "STANDARD QUALIFICATION PROCEDURES". ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND DI.I. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "STEEL CONSTRUCTION MANUAL". 14TH EDITION.
11. INCORRECTLY FABRICATED, DAMAGED OR OTHERWISE MISFITTING OR NON-CONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE CONSTRUCTION MANAGER PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE CONSTRUCTION MANAGER APPROVAL.
12. UNISTRUT SHALL BE FORMED STEEL CHANNEL STRUT FRAMING AS MANUFACTURED BY UNISTRUT CORP., WAYNE, MI OR EQUAL. STRUT MEMBERS SHALL BE 1 5/8"x1 5/8"x12GA, UNLESS OTHERWISE NOTED, AND SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
13. EPOXY ANCHOR ASSEMBLY SHALL CONSIST OF STAINLESS STEEL ANCHOR ROD WITH NUTS & WASHERS. AN INTERNALLY THREADED INSERT, A SCREEN TUBE AND A EPOXY ADHESIVE. THE ANCHORING SYSTEM SHALL BE THE HILTI-HIT HY-270 AND OR HY-200 SYSTEMS (AS SPECIFIED IN DWG.) OR ENGINEERS APPROVED EQUAL.
14. EXPANSION BOLTS SHALL CONFORM TO FEDERAL SPECIFICATION FF-S-325, GROUP II, TYPE 4, CLASS I, HILTI KWIK BOLT III OR APPROVED EQUAL. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
15. LUMBER SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION AND THE NATIONAL FOREST PRODUCTS ASSOCIATION'S NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION. ALL LUMBER SHALL BE PRESSURE TREATED AND SHALL BE STRUCTURAL GRADE NO. 2 OR BETTER.
16. WHERE ROOF PENETRATIONS ARE REQUIRED, THE CONTRACTOR SHALL CONTACT AND COORDINATE RELATED WORK WITH THE BUILDING OWNER AND THE EXISTING ROOF INSTALLER. WORK SHALL BE PERFORMED IN SUCH A MANNER AS TO NOT VOID THE EXISTING ROOF WARRANTY. ROOF SHALL BE WATERTIGHT.
17. ALL FIBERGLASS MEMBERS USED ARE AS MANUFACTURED BY STRONGWELL COMPANY OF BRISTOL, VA 24203. ALL DESIGN CRITERIA FOR THESE MEMBERS IS BASED ON INFORMATION PROVIDED IN THE DESIGN MANUAL. ALL REQUIREMENTS PUBLISHED IN SAID MANUAL MUST BE STRICTLY ADHERED TO.
18. NO MATERIALS TO BE ORDERED AND NO WORK TO BE COMPLETED UNTIL SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED IN WRITING.
19. SUBCONTRACTOR SHALL FIREPROOF ALL STEEL TO PRE-EXISTING CONDITIONS.

SPECIAL INSPECTIONS (REFERENCE IBC CHAPTER 17):

GENERAL: WHERE APPLICATION IS MADE FOR CONSTRUCTION, THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PERFORM INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THE INSPECTION CHECKLIST ABOVE.

THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND ENGINEERS OF RECORD INVOLVED IN THE DESIGN OF THE PROJECT ARE PERMITTED TO ACT AS THE APPROVED AGENCY AND THEIR PERSONNEL ARE PERMITTED TO ACT AS THE SPECIAL INSPECTOR FOR THE WORK DESIGNED BY THEM, PROVIDED THOSE PERSONNEL MEET THE QUALIFICATION REQUIREMENTS.

STATEMENT OF SPECIAL INSPECTIONS: THE APPLICANT SHALL SUBMIT A STATEMENT OF SPECIAL INSPECTIONS PREPARED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE IN ACCORDANCE WITH SECTION 107.1 AS A CONDITION FOR ISSUANCE. THIS STATEMENT SHALL BE IN ACCORDANCE WITH SECTION 1705.

REPORT REQUIREMENT: SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS SHALL BE SUBMITTED.

SPECIAL INSPECTION CHECKLIST

BEFORE CONSTRUCTION	
CONSTRUCTION/INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
N/A	ENGINEER OF RECORD APPROVED SHOP DRAWINGS [1]
N/A	MATERIAL SPECIFICATIONS REPORT [2]
N/A	FABRICATOR NDE INSPECTION
REQUIRED	PACKING SLIPS [3]
ADDITIONAL TESTING AND INSPECTIONS:	
DURING CONSTRUCTION	
CONSTRUCTION/INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
REQUIRED	STEEL INSPECTIONS
N/A	HIGH STRENGTH BOLT INSPECTIONS
N/A	HIGH WIND ZONE INSPECTIONS [4]
N/A	FOUNDATION INSPECTIONS
N/A	CONCRETE COMP. STRENGTH, SLUMP TESTS AND PLACEMENT
N/A	POST INSTALLED ANCHOR VERIFICATION [5]
N/A	GROUT VERIFICATION
N/A	CERTIFIED WELD INSPECTION
N/A	EARTHWORK: LIFT AND DENSITY
N/A	ON SITE COLD GALVANIZING VERIFICATION
N/A	GUY WIRE TENSION REPORT
ADDITIONAL TESTING AND INSPECTIONS:	
AFTER CONSTRUCTION	
CONSTRUCTION/INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
REQUIRED	MODIFICATION INSPECTOR REDLINE OR RECORD DRAWINGS [6]
N/A	POST INSTALLED ANCHOR PULL-OUT TESTING
REQUIRED	PHOTOGRAPHS
ADDITIONAL TESTING AND INSPECTIONS:	

NOTES:

1. REQUIRED FOR ANY NEW SHOP FABRICATED FRP OR STEEL.
2. PROVIDED BY MANUFACTURER, REQUIRED IF HIGH STRENGTH BOLTS OR STEEL.
3. PROVIDED BY GENERAL CONTRACTOR; PROOF OF MATERIALS.
4. HIGH WIND ZONE INSPECTION CATB 120MPH OR CAT C,D 110MPH INSPECT FRAMING OF WALLS, ANCHORING, FASTENING SCHEDULE.
5. ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. DESIGN ADHESIVE BOND STRENGTH HAS BEEN BASED ON ACI 355.4 TEMPERATURE CATEGORY B WITH INSTALLATIONS INTO DRY HOLES DRILLED USING A CARBIDE BIT INTO CRACKED CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS REQUIRING CERTIFIED INSTALLATIONS SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER ACI 318-11 D.9.2.2. INSTALLATIONS REQUIRING CERTIFIED INSTALLERS SHALL BE INSPECTED PER ACI 318-11 D.8.2.4.
6. AS REQUIRED; FOR ANY FIELD CHANGES TO THE ITEMS IN THIS TABLE.

NOTES:

1. ALL CONNECTIONS TO BE SHOP WELDED & FIELD BOLTED USING 3/4"ø A325-X BOLTS, UNLESS OTHERWISE NOTIFIED.
2. SHOP DRAWING ENGINEER REVIEW & APPROVAL REQUIRED BEFORE ORDERING MATERIAL.
3. SHOP DRAWING ENGINEER REVIEW & APPROVAL REQUIRED PRIOR TO STEEL FABRICATION.
4. VERIFICATION OF EXISTING ROOF CONSTRUCTION IS REQUIRED PRIOR TO THE INSTALLATION OF THE ROOF PLATFORM. ENGINEER OF RECORD IS TO APPROVE EXISTING CONDITIONS IN ORDER TO MOVE FORWARD.
5. CENTERLINE OF PROPOSED STEEL PLATFORM SUPPORT COLUMNS TO BE CENTRALLY LOCATED OVER THE EXISTING BUILDING COLUMNS.
6. EXISTING BRICK MASONRY COLUMNS/BEARING TO BE REPAIRED/REPLACED AT ALL PROPOSED PLATFORM SUPPORT POINTS. ENGINEER OF RECORD TO REVIEW AND APPROVE.

PREPARED FOR: CELLCO PARTNERSHIP D.B.A.

verizon

HUDSON Design Group LLC

45 BEECHWOOD DRIVE
N. ANDOVER, MA 01845

TEL: (978) 557-5553
FAX: (978) 336-5586

STATE OF CONNECTICUT
DANIEL P. HAMM
No. 24178
LICENSED PROFESSIONAL ENGINEER

CONSTRUCTION DRAWINGS ARE VALID FOR SIX MONTHS AFTER ENGINEER OF RECORDS STAMPED AND SIGNED SUBMITTAL DATE LISTED HEREIN

CHECKED BY: JX

APPROVED BY: DPH

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
0	07/09/21	FOR CONSTRUCTION	GA/DS

SITE NAME:
COLCHESTER 3 CT

SITE ADDRESS:
31 CHESTNUT HILL ROAD
COLCHESTER, CT 06415

SHEET TITLE
STRUCTURAL NOTES & SPECIAL INSPECTIONS

SHEET NUMBER
SN-1

BILL OF MATERIALS

SITE NAME: COLCHESTER 3 CT

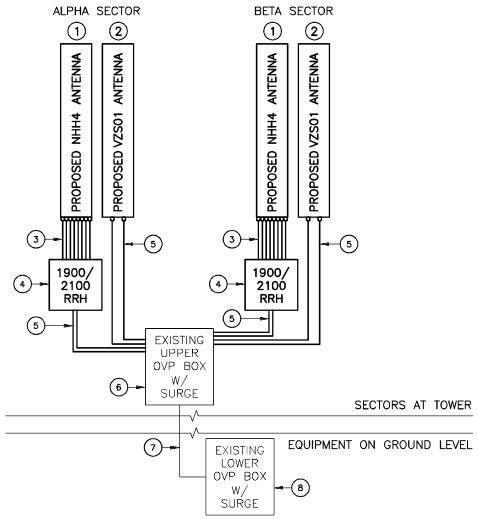
ITEM	DESCRIPTION	QTY	LENGTH	COMMENTS
①	PROPOSED NNH4-65A-R6 ANTENNA	2		MOUNTED TO PROPOSED PIPE MAST
②	PROPOSED VZS01 ANTENNA	2		MOUNTED TO PROPOSED PIPE MAST
③	PROPOSED 1/2" TOP COAX JUMPERS	16	10 FT.	ROUTE FROM RRH TO ANTENNA
④	PROPOSED SAMSUNG B2/B66A RRH-BR049 RRH	2		MOUNTED TO PROPOSED PIPE MAST
⑤	PROPOSED SAMSUNG FIBER JUMPER CABLES	4	10 FT.	ROUTE FROM OVP TO RRH
⑤	PROPOSED SAMSUNG POWER JUMPER CABLES	4	10 FT.	ROUTE FROM OVP TO RRH
⑥	EXISTING UPPER 6 OVP	1		MOUNTED TO PROPOSED PLATFORM
⑦	EXISTING 6x12 HYBRID CABLE	1	110 FT.	ROUTE FROM LOWER OVP TO UPPER OVP
⑧	EXISTING LOWER OVP	1		MOUNTED IN EXISTING EQUIPMENT CABINET

THE ABOVE RF-BOM SHEET IS BASED ON INFORMATION LISTED ON ANTENNA RECOMMENDATION SHEET DATED 02/23/21

NOTE:

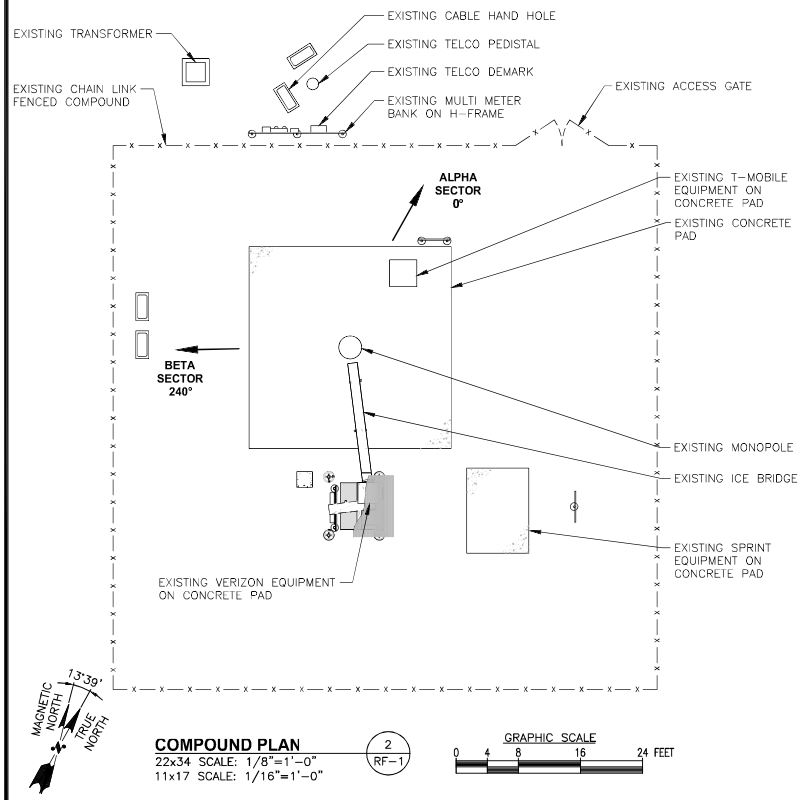
PROPOSED VZS01 ANTENNA SIZE AND WEIGHT ARE NOT TO EXCEED:

DIMENSIONS H35.12"xW16.06"xD5.51"
WEIGHT (INCLUDING INTEGRATED RRH) 87.1 LBS



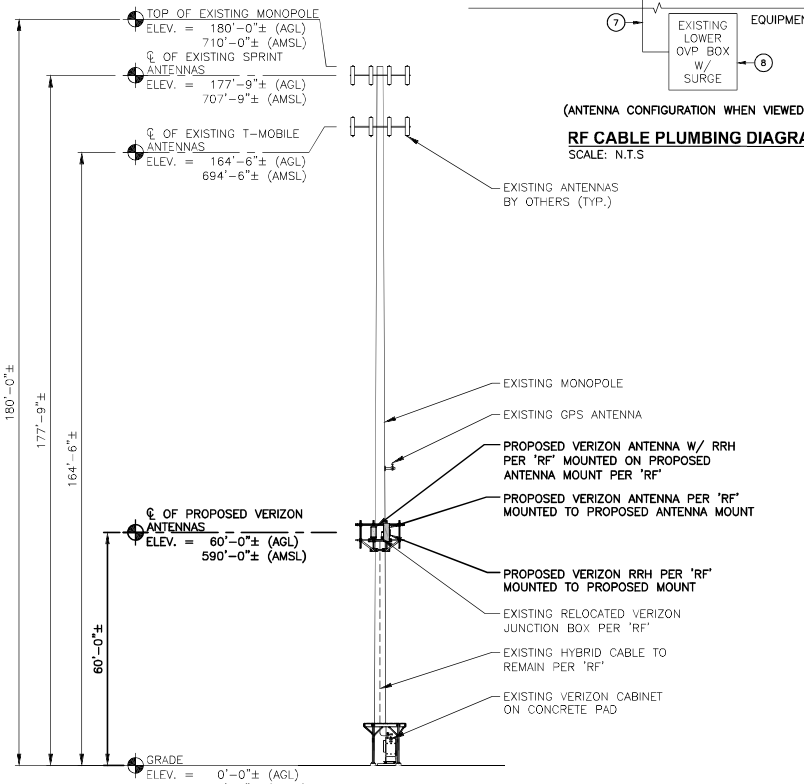
(ANTENNA CONFIGURATION WHEN VIEWED FROM BEHIND)

RF CABLE PLUMBING DIAGRAM (1 / RF-1)
SCALE: N.T.S



COMPOUND PLAN (2 / RF-1)
22x34 SCALE: 1/8"=1'-0"
11x17 SCALE: 1/16"=1'-0"

GRAPHIC SCALE
0 4 8 16 24 FEET



ELEVATION (3 / RF-1)
22x34 SCALE: 1/16"=1'-0"
11x17 SCALE: 1/32"=1'-0"

GRAPHIC SCALE
0 8 16 32 48 FEET

PREPARED FOR:
verizon
118 FLANDERS ROAD
WESTBOROUGH, MA 01581

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TEL: (978) 557-5553
FAX: (978) 336-5586

CHECKED BY: JX

APPROVED BY: DPH

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
0	07/09/21	BILL OF MATERIAL	GA/OS

SITE NAME:
COLCHESTER 3 CT

SITE ADDRESS:
31 CHESTNUT HILL ROAD
COLCHESTER, CT 06415

SHEET TITLE
RF PLUMBING DIAGRAM & BILL OF MATERIAL

SHEET NUMBER
RF-1

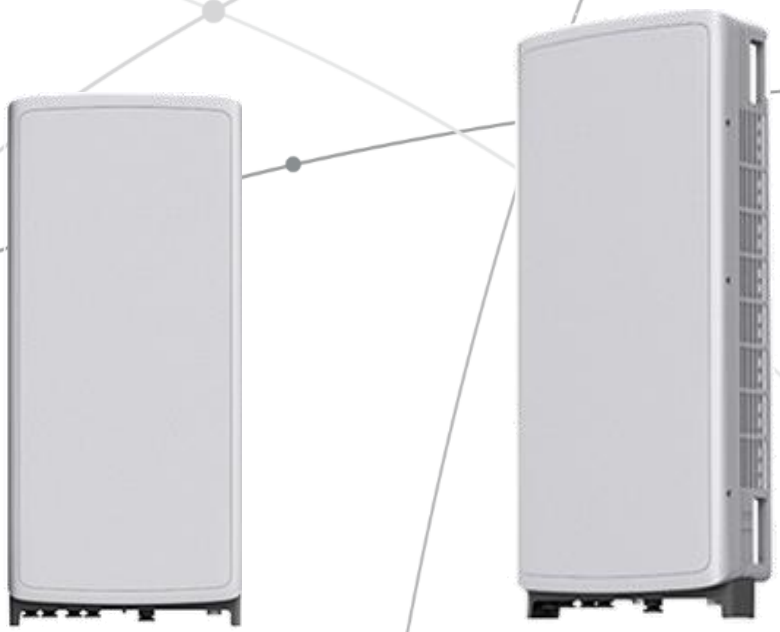
SAMSUNG

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

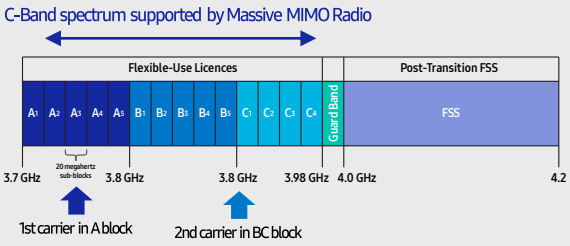


Points of Differentiation

Wide Bandwidth

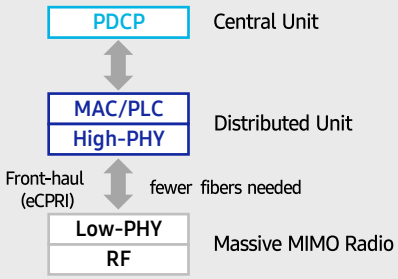
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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.

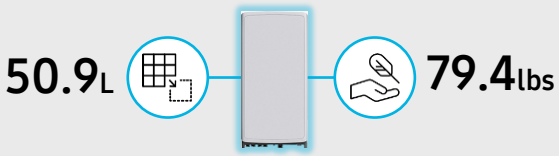
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

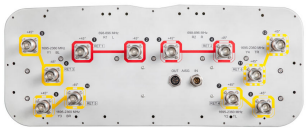
SAMSUNG

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

NNH4-65A-R6



12-port sector antenna, 4x 698–896 and 8x 1695–2360 MHz, 65° HPBW, 6x RET.

- Interleaved dipole technology providing for attractive, low wind load mechanical package
- Array configuration provides capability for 4T4R (4x MIMO) on Low band and Dual 4T4R (4x MIMO) on High band
- Optimized SPR performance across all operating bands
- Excellent wind loading characteristics

General Specifications

Antenna Type	Sector
Band	Multiband
Color	Light gray
Grounding Type	RF connector body grounded to reflector and mounting bracket
Performance Note	Outdoor usage | Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
Radome Material	Fiberglass, UV resistant
Radiator Material	Aluminum | Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	8
RF Connector Quantity, low band	4
RF Connector Quantity, total	12

Remote Electrical Tilt (RET) Information

RET Hardware	CommRET v2
RET Interface	8-pin DIN Female | 8-pin DIN Male
RET Interface, quantity	1 female | 1 male
Input Voltage	10–30 Vdc
Internal RET	High band (4) | Low band (2)
Power Consumption, idle state, maximum	1 W
Power Consumption, normal conditions, maximum	8 W
Protocol	3GPP/AISG 2.0 (Multi-RET)

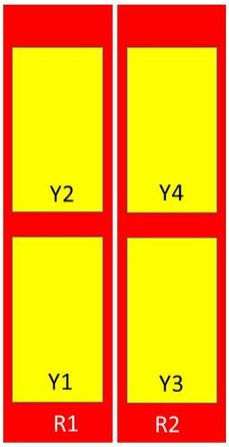
NNH4-65A-R6

Dimensions

Width	498 mm | 19.606 in
Depth	197 mm | 7.756 in
Length	1400 mm | 55.118 in
Net Weight, without mounting kit	33.5 kg | 73.855 lb

NNH4-65A-R6

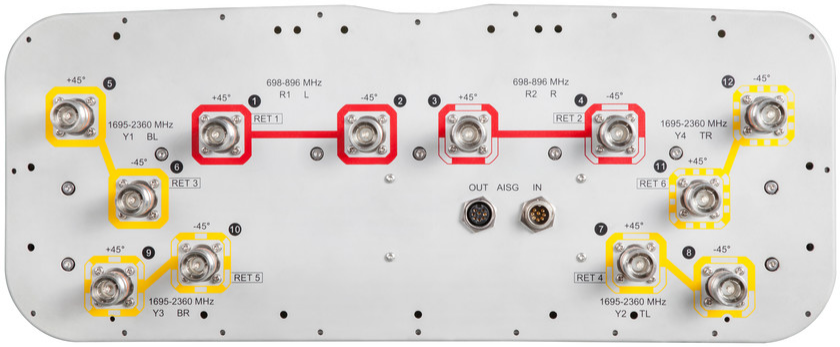
Array Layout



Array	Freq (MHz)	Conns	RET (MRET)	AISG RET UID
R1	698-896	1-2	1	CPxxxxxxxxxxxxxxxmm.1
R2	698-896	3-4	2	CPxxxxxxxxxxxxxxxmm.2
Y1	1695-2360	5-6	3	CPxxxxxxxxxxxxxxxmm.3
Y2	1695-2360	7-8	4	CPxxxxxxxxxxxxxxxmm.4
Y3	1695-2360	9-10	5	CPxxxxxxxxxxxxxxxmm.5
Y4	1695-2360	11-12	6	CPxxxxxxxxxxxxxxxmm.6

(Sizes of colored boxes are not true depictions of array sizes)

Port Configuration



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2360 MHz | 698 – 896 MHz

Polarization	±45°
Total Input Power, maximum	900 W @ 50 °C

Electrical Specifications

Frequency Band, MHz	**698–806**	**806–896**	**1695–1880**	**1850–1990**	**1920–2180**	**2300–2360**
Gain, dBi	13.2	13.8	14	14.7	14.8	15.2
Beamwidth, Horizontal, degrees	72	63	59	60	62	59
Beamwidth, Vertical, degrees	16.4	14.9	15.7	14.6	13.9	12.4
Beam Tilt, degrees	2–16	2–16	2–16	2–16	2–16	2–16
USLS (First Lobe), dB	15	19	16	18	17	18
Front-to-Back Ratio at 180°, dB	29	30	34	35	34	35
Isolation, Cross Polarization, dB	25	25	25	25	25	25
Isolation, Inter-band, dB	25	25	25	25	25	25
VSWR | Return loss, dB	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150	-150
Input Power per Port at 50°C, maximum, watts	250	250	250	250	250	200

Electrical Specifications, BASTA

Frequency Band, MHz	**698–806**	**806–896**	**1695–1880**	**1850–1990**	**1920–2180**	**2300–2360**
Gain by all Beam Tilts, average, dBi	12.9	13.3	13.5	14.4	14.5	14.9
Gain by all Beam Tilts Tolerance, dB	±0.4	±0.6	±0.8	±0.5	±0.4	±0.5
Gain by Beam Tilt, average, dBi	2 ° | 13.0 9 ° | 12.9 16 ° | 12.7	2 ° | 13.5 9 ° | 13.4 16 ° | 13.0	2 ° | 13.6 9 ° | 13.6 16 ° | 13.4	2 ° | 14.5 9 ° | 14.4 16 ° | 14.2	2 ° | 14.6 9 ° | 14.5 16 ° | 14.3	2 ° | 15.1 9 ° | 14.9 16 ° | 14.6
Beamwidth, Horizontal Tolerance, degrees	±4.1	±4.9	±5.6	±3.8	±3.7	±7.4
Beamwidth, Vertical Tolerance, degrees	±1.1	±1.3	±1.3	±0.8	±1	±0.8
USLS, beampeak to 20° above beampeak, dB	17	19	18	19	18	18
Front-to-Back Total Power at 180° ± 30°, dB	23	21	28	30	28	26
CPR at Boresight, dB	21	22	16	21	21	19

CPR at Sector, dB	11	4	7	9	9	11

Mechanical Specifications

Effective Projective Area (EPA), frontal	0.48 m² | 5.167 ft²
Effective Projective Area (EPA), lateral	0.16 m² | 1.722 ft²
Wind Loading at Velocity, frontal	114.4 lbf @ 150 km/h | 509.0 N @ 150 km/h
Wind Loading at Velocity, lateral	169.0 N @ 150 km/h | 38.0 lbf @ 150 km/h
Wind Loading at Velocity, maximum	148.4 lbf @ 150 km/h | 660.0 N @ 150 km/h
Wind Loading at Velocity, rear	419.0 N @ 150 km/h | 94.2 lbf @ 150 km/h
Wind Speed, maximum	241 km/h | 149.75 mph

Packaging and Weights

Width, packed	608 mm | 23.937 in
Depth, packed	352 mm | 13.858 in
Length, packed	1582 mm | 62.283 in
Weight, gross	46.7 kg | 102.956 lb

Regulatory Compliance/Certifications

Agency	**Classification**
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted

Included Products

BSAMNT-3	–	Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance

SAMSUNG

Dual-Band Radio Unit
AWS/PCS (B66/B2)
RFV01U-D1A

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

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

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

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

Features and Benefits

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

Key Technical Specifications

Duplex Type: FDD
Operating Frequencies:
    B66: DL(2,110-2,180MHz)/UL(1,710-1,780MHz)
    B2: DL(1,930-1,990MHz)/UL(1,850-1,910MHz)
Instantaneous Bandwidth:
    70MHz(B66) + 60MHz(B2)
RF Chain: 4T4R/2T4R/2T2R
Output Power: Total 320W
DU-RU Interface: CPRI (10Gbps)
Dimensions: 380 x 380 x 255mm (36.8L)
Weight: 38.3kg
Input Power: -48V DC
Operating Temp.: -40 - 55°(w/o solar load)
Cooling: Natural convection

ATTACHMENT 3

	General	Power	Density					
Site Name: Colchester 3								
Tower Height: Verizon @ 60ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**CALC. POWER DENS**	**FREQ.**	**MAX. PERMISS. EXP.**	**FRACTION MPE**	**Total**
*T-Mobile	2	789	164.5	600	0.0226	0.4000	0.56%	
*T-Mobile	2	433	164.5	700	0.0124	0.4667	0.27%	
*T-Mobile	4	936	164.5	1900	0.0536	1.0000	0.54%	
*T-Mobile	1	351	164.5	1900	0.0050	1.0000	0.05%	
*T-Mobile	2	1630	164.5	2100	0.0467	1.0000	0.47%	
*Sprint	1	377	180	850	0.0045	0.5667	0.08%	
*Sprint	2	942	180	850	0.0224	0.5667	0.39%	
*Sprint	5	512	180	1900	0.0304	1.0000	0.30%	
*Sprint	2	1280	180	1900	0.0304	1.0000	0.30%	
*Sprint	8	778	180	2500	0.0739	1.0000	0.74%	
VZW PCS	**4**	**652**	**60**	**0.0261**	**1975**	**1.0000**	**2.61%**	
VZW AWS	**4**	**675**	**60**	**0.0270**	**2120**	**1.0000**	**2.70%**	
VZW CBAND	**4**	**6531**	**60**	**0.2610**	**3730.08**	**1.0000**	**26.10%**	
								35.11%
* 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 180 ft Valmont Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT02220-S

Customer Site Name: Colchester 2 CT

Carrier Name: Verizon (App#: 150990, V1)

Carrier Site ID / Name: 467583 / COLCHESTER_3_CT

Site Location: 31 Chestnut Hill Road

Colchester, Connecticut

New London County

Latitude: 41.571327

Longitude: -72.302322

Analysis Result:

Max Structural Usage: 55.4% [Pass]

Max Foundation Usage: 50.0% [Pass]

Additional Usage Caused by New Mount/Mount Modification: N/A

Report Prepared By: Sital Shrestha

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

Structural Analysis Report

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Latitude: 41.571327

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Analysis Result:

Max Structural Usage: 55.4% [Pass]

Max Foundation Usage: 50.0% [Pass]

Additional Usage Caused by New Mount/Mount Modification:

Report Prepared By: Sital Shrestha

Introduction

The purpose of this report is to summarize the analysis results on the 180 ft Valmont 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	Tower design prepared by Valmont, job # 19539-99, dated 11/30/1999
Foundation Drawing	Foundation design prepared by Valmont, job # 19539-99, dated 11/29/1999
Geotechnical Report	Geotechnical report prepared by 1207126EG1, dated 08/10/2012
Modification Drawings	Modification inspection prepared by FDH, job # 15BSZU1700, dated 10/14/2015
Mount Analysis	

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)/ 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 + (1) Handrail Kit (SitePro HRK-14) +(1) V-Brace Kit (SitePro PRK-SFS) + (1) Platform Reinforcement Kit (SitePro PRK-1245-L)	(4) 1-1/4" Fiber	Sprint Nextel
			CommScope - NNVV-65B-R4 - Panel			
			ALU 1900 Mhz RRUs			
			ALU 800 Mhz RRUs			
			ALU TD-RRH8x20-25 RRUs			
			EMS - RR90-17-82DP - Panel	Modified Low Profile Platform with support rail kit with T-Arm MS-P-TARM and new heavy collar mount MS-H1436	(1) 1 5/8" Fiber	T-Mobile
		3	RFS - APXVAARR24_43-U-NA20 - Panel			
			Ericsson KRY 112 489/2			
			Ericsson KRY 112 144/2			
			Ericsson Radio 4449 B71+B12			
			Kathrein 782 11056 Bias Ts			
		2	Commscope - HBX-6513DS-A1M - Panel	(3) Standoff	(1) 1 5/8" Fiber	Verizon
			ALU - RRH2x60-AWS			

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 NNH4-65A-R6- Panel	(3) Standoff	(1) 1 5/8" Fiber	Verizon
			Samsung VZS01 - Panel			
			Samsung B2/B66A RRH-BR049- RRU			

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)
Analysis 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 0.3772 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 TIA-222 Standard under the design basic wind speed as 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 55.41% at 0.0ft

Structure:	CT02220-S-SBA	**Code:**	EIA/TIA-222-G	5/20/2021
Site Name:	Colchester 2 CT	**Exposure:**	B	
Height:	180.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

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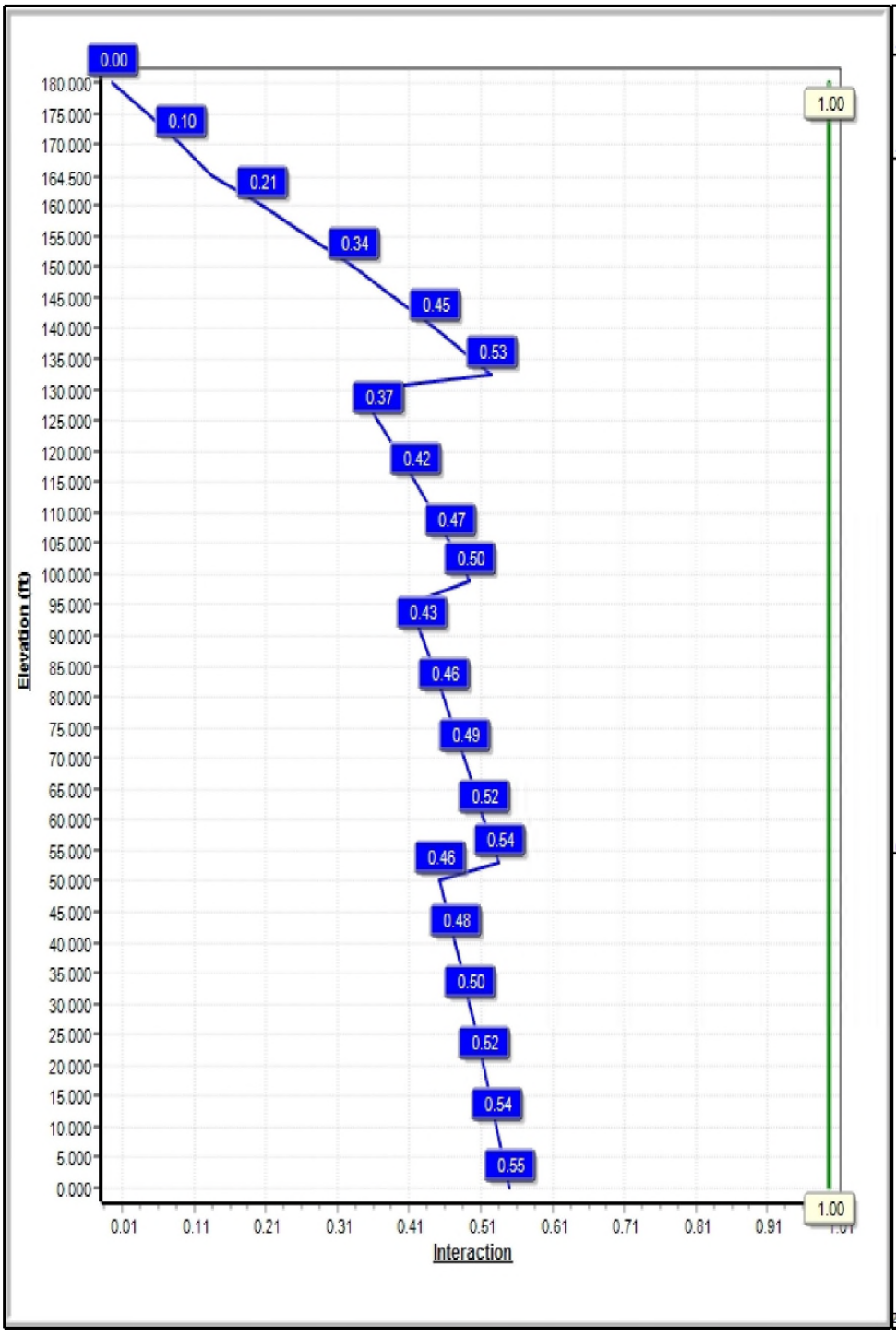
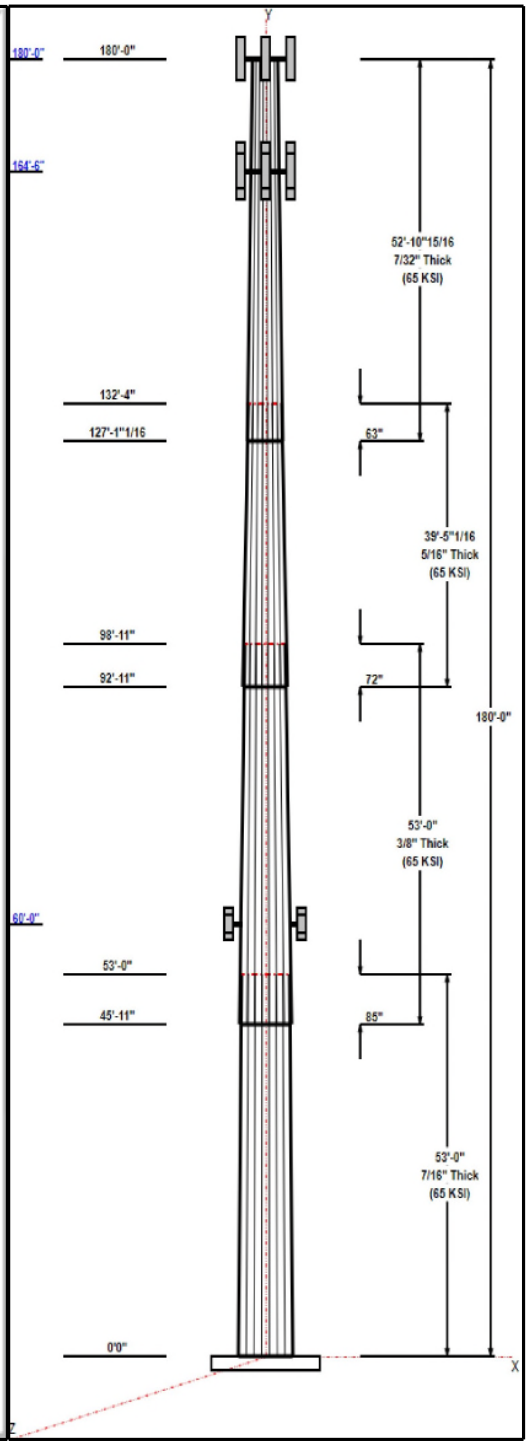
Dead Load Factor:	1.20
Wind Load Factor:	1.60

Load Case : 1.2D + 1.6W 101 mph Wind

Iterations: 25





Structure: CT02220-S-SBA

Type: Tapered
Site Name: Colchester 2 CT
Height: 180.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 16 Sided
Taper: 0.20502

5/20/2021

Tower Engineering Solutions

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	53.00	49.13	60.00	0.439		0.20502	65
2	53.00	40.47	51.34	0.375	Slip	0.20502	65
3	39.42	34.24	42.33	0.313	Slip	0.20502	65
4	52.91	24.91	35.76	0.219	Slip	0.20502	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
180.00	180.00	3	APXVTM14-C-I20	Sprint Nextel
180.00	180.00	3	ALU 1900 Mhz RRUs	Sprint Nextel
180.00	180.00	6	ALU 800 Mhz RRUs	Sprint Nextel
180.00	180.00	3	ALU TD-RRH8x20-25	Sprint Nextel
180.00	180.00	1	Low Profile Platform	Sprint Nextel
180.00	180.00	1	HRK14	Sprint Nextel
180.00	180.00	1	PRK-SFS	Sprint Nextel
180.00	180.00	1	PRK-1245L	Sprint Nextel
180.00	180.00	3	NNVV-65B-R4	Sprint Nextel
164.50	164.50	3	Ericsson KRY 112 489/2	T-Mobile
164.50	164.50	3	Ericsson KRY 112 144/2	T-Mobile
164.50	164.50	3	Ericsson Radio 4449	T-Mobile
164.50	164.50	3	Kathrein 782 11056 Bias	T-Mobile
164.50	164.50	1	Bracing	T-Mobile
164.50	164.50	3	RR90-17-82DP	T-Mobile
164.50	164.50	3	APXVAARR24_43-U-NA20	T-Mobile
164.50	164.50	1	Low Profile Platform	T-Mobile
60.00	60.00	3	3 ft Standoff	Verizon
60.00	60.00	2	NNH4-65A-R4	Verizon
60.00	60.00	2	VZS01	Verizon
60.00	60.00	2	B2/B66A RRH-BR049	Verizon
60.00	60.00	1	Collar Mount	Verizon

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	180.00	Inside	1-1/4" Fiber	Sprint Nextel
0.00	164.50	Inside	1 5/8" Coax	T-Mobile
0.00	164.50	Inside	1 5/8" Fiber	T-Mobile
0.00	60.00	Inside	1 5/8" Fiber	Verizon

Anchor Bolts

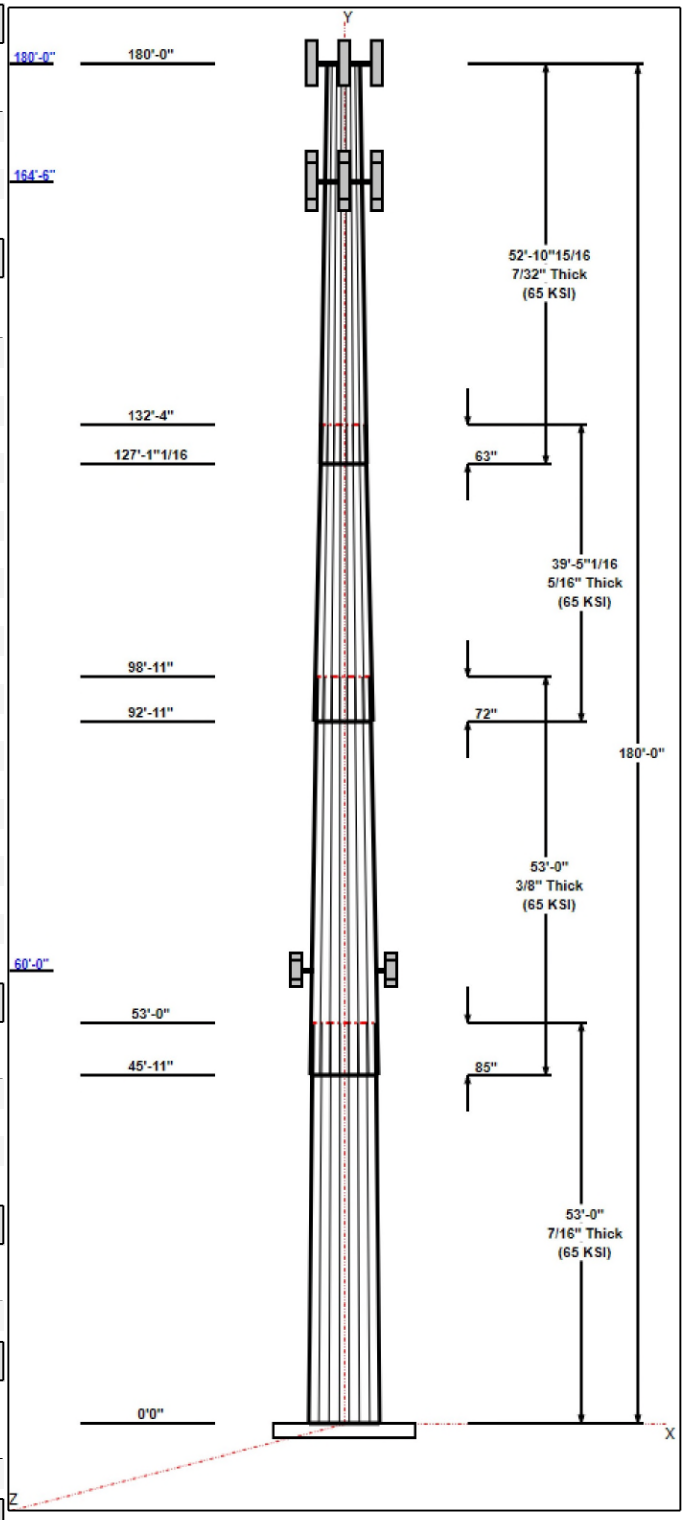
Qty	Specifications	Grade (ksi)	Arrangement
20	2.25" 18J	75.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
2.7500	74.6	60.0	Polygon

Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 101 mph Wind	3676.3	31.1	50.0
0.9D + 1.6W 101 mph Wind	3641.8	31.1	37.5



1.2D + 1.0Di + 1.0Wi 50 mph Wind	960.3	8.0	73.9
1.2D + 1.0E	270.5	2.0	50.1
0.9D + 1.0E	267.6	2.0	37.6
1.0D + 1.0W 60 mph Wind	806.4	6.9	41.7

Structure: CT02220-S-SBA - Coax Line Placement

Type: Monopole
Site Name: Colchester 2 CT
Height: 180.00 (ft)

5/20/2021

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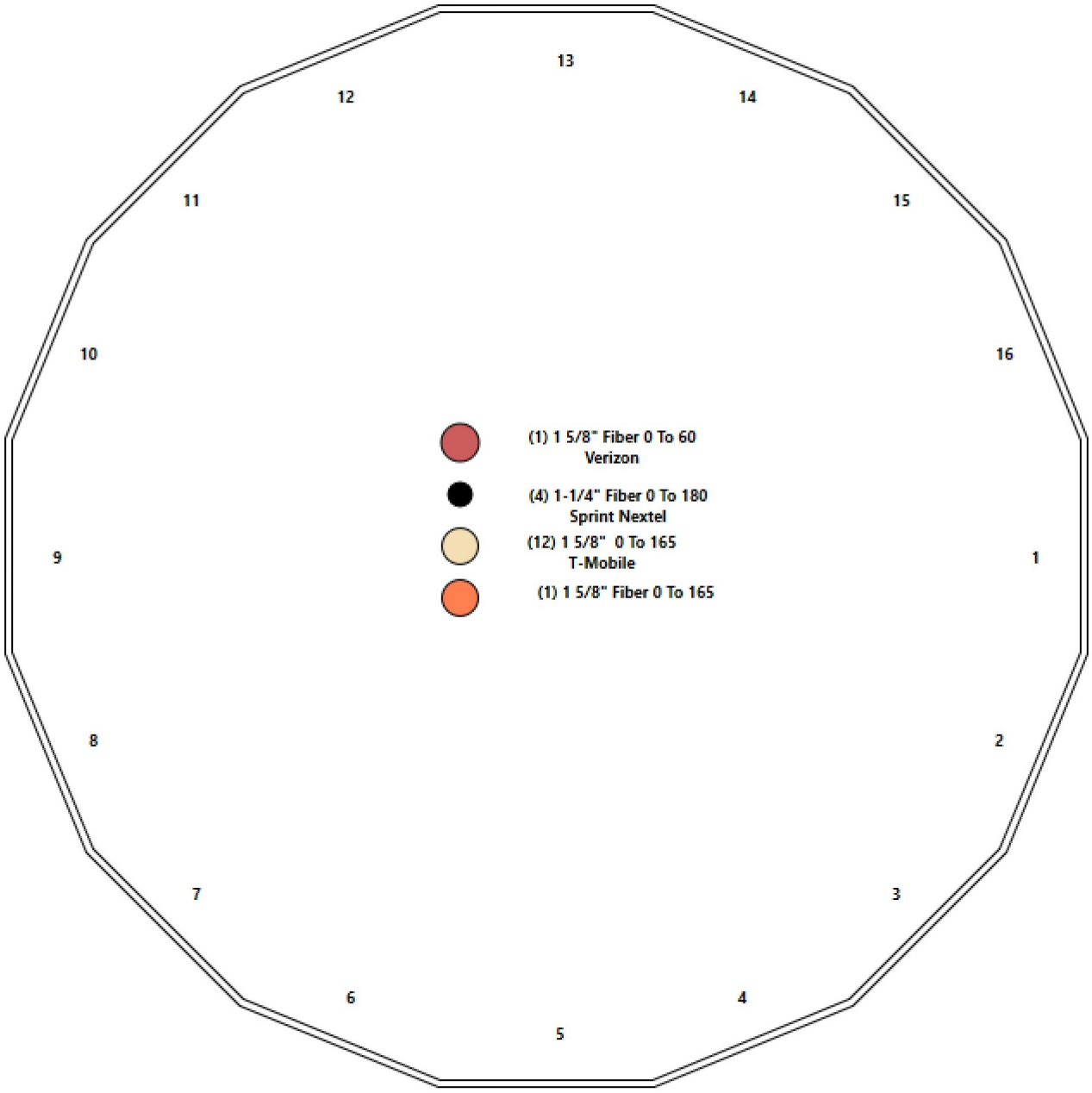

Shaft Properties

Structure:	CT02220-S-SBA		**Code:**	EIA/TIA-222-G	5/20/2021
Site Name:	Colchester 2 CT		**Exposure:**	B	
Height:	180.00 (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

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Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	16	53.000	0.4390	65		0.00	13,671
2	16	53.000	0.3750	65	Slip	85.00	9,822
3	16	39.420	0.3130	65	Slip	72.00	5,086
4	16	52.913	0.2190	65	Slip	63.00	3,788
					Total Shaft Weight:		**32,367**

	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	60.00	0.00	83.41	37381.40	25.59	136.67	49.13	53.00	68.19	20427.6	20.67	111.9	0.205022
2	51.34	45.92	60.96	20001.00	25.64	136.90	40.47	98.92	47.96	9740.99	19.88	107.9	0.205022
3	42.33	92.92	41.95	9354.08	25.31	135.23	34.24	132.34	33.88	4927.66	20.17	109.4	0.205022
4	35.76	127.0	24.83	3961.68	30.89	163.28	24.91	180.00	17.25	1328.51	21.03	113.7	0.205022

Load Summary

Structure:	CT02220-S-SBA	**Code:**	EIA/TIA-222-G	5/20/2021	
Site Name:	Colchester 2 CT	**Exposure:**	B		
Height:	180.00 (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	180.00	APXVTM14-C-I20	3	56.20	6.34	0.77	220.17	7.475	0.77	0.00	0.00
2	180.00	ALU 1900 Mhz RRUs	3	44.00	3.80	0.67	155.17	5.216	0.67	0.00	0.00
3	180.00	ALU 800 Mhz RRUs	6	53.00	2.49	0.67	128.32	3.655	0.67	0.00	0.00
4	180.00	ALU TD-RRH8x20-25 RRUs	3	70.00	4.05	0.67	182.93	4.879	0.67	0.00	0.00
5	180.00	Low Profile Platform	1	1200.00	25.00	1.00	2266.40	46.328	1.00	0.00	0.00
6	180.00	HRK14	1	302.36	8.13	1.00	667.79	16.222	1.00	0.00	0.00
7	180.00	PRK-SFS	1	170.00	13.00	1.00	347.73	20.109	1.00	0.00	0.00
8	180.00	PRK-1245L	1	464.91	11.84	1.00	795.43	24.466	1.00	0.00	0.00
9	180.00	NNVV-65B-R4	3	77.40	12.27	0.74	368.21	13.753	0.74	0.00	0.00
10	164.50	Ericsson KRY 112 489/2	3	15.40	0.64	0.83	33.21	1.255	0.83	0.00	0.00
11	164.50	Ericsson KRY 112 144/2	3	15.40	0.64	0.83	33.21	1.255	0.83	0.00	0.00
12	164.50	Ericsson Radio 4449 B71+B12	3	70.00	1.65	0.67	139.04	2.193	0.67	0.00	0.00
13	164.50	Kathrein 782 11056 Bias Ts	3	5.30	0.13	0.87	14.83	0.318	0.87	0.00	0.00
14	164.50	Bracing	1	500.00	20.00	1.00	1098.87	39.728	1.00	0.00	0.00
15	164.50	RR90-17-82DP	3	18.00	4.36	0.68	117.89	5.356	0.68	0.00	0.00
16	164.50	APXVAARR24_43-U-NA20	3	128.00	20.24	0.70	550.30	22.158	0.70	0.00	0.00
17	164.50	Low Profile Platform	1	1200.00	25.00	1.00	2256.84	46.137	1.00	0.00	0.00
18	60.00	3 ft Standoff	3	40.00	5.63	1.00	113.25	17.288	1.00	0.00	0.00
19	60.00	NNH4-65A-R4	2	73.86	9.10	1.00	294.04	10.225	1.00	0.00	0.00
20	60.00	VZS01	2	87.10	4.30	1.00	186.50	5.102	1.00	0.00	0.00
21	60.00	B2/B66A RRH-BR049	2	70.30	1.87	1.00	132.17	2.389	1.00	0.00	0.00
22	60.00	Collar Mount	1	150.60	2.50	1.00	342.45	4.889	1.00	0.00	0.00
		Totals:	**52**	**6,387.49**			**15,555.49**				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	180.00	(4) 1-1/4" Fiber	0.00	Inside
0.00	164.50	(12) 1 5/8" Coax	0.00	Inside
0.00	164.50	(1) 1 5/8" Fiber	0.00	Inside
0.00	60.00	(1) 1 5/8" Fiber	0.00	Inside

Shaft Section Properties

Structure:	CT02220-S-SBA	**Code:**	EIA/TIA-222-G	5/20/2021	
Site Name:	Colchester 2 CT	**Exposure:**	B		
Height:	180.00 (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		0.4390	60.000	83.410	37381.4	25.59	136.67	73.6	1222.	0.0
5.00		0.4390	58.975	81.974	35484.3	25.13	134.34	74.1	1180.	1406.9
10.00		0.4390	57.950	80.539	33652.5	24.67	132.00	74.7	1139.	1382.5
15.00		0.4390	56.925	79.103	31884.8	24.20	129.67	75.2	1098.	1358.1
20.00		0.4390	55.900	77.668	30180.2	23.74	127.33	75.7	1059.	1333.6
25.00		0.4390	54.874	76.232	28537.4	23.27	125.00	76.2	1020.	1309.2
30.00		0.4390	53.849	74.796	26955.4	22.81	122.66	76.8	981.9	1284.8
35.00		0.4390	52.824	73.361	25432.9	22.34	120.33	77.3	944.4	1260.4
40.00		0.4390	51.799	71.925	23968.9	21.88	117.99	77.8	907.7	1235.9
45.00		0.4390	50.774	70.490	22562.1	21.41	115.66	78.3	871.7	1211.5
45.92	Bot - Section 2	0.4390	50.586	70.226	22310.3	21.33	115.23	78.4	865.1	219.5
50.00		0.4390	49.749	69.054	21211.5	20.95	113.32	78.9	836.4	1807.7
53.00	Top - Section 1	0.3750	49.884	59.225	18339.4	24.87	133.02	0.0	0.0	1308.9
55.00		0.3750	49.474	58.734	17887.4	24.65	131.93	74.7	709.2	401.4
60.00		0.3750	48.449	57.508	16790.3	24.11	129.20	75.3	679.8	988.9
65.00		0.3750	47.424	56.282	15738.9	23.56	126.46	75.9	651.0	968.0
70.00		0.3750	46.398	55.056	14732.4	23.02	123.73	76.5	622.8	947.1
75.00		0.3750	45.373	53.829	13769.7	22.48	121.00	77.1	595.3	926.3
80.00		0.3750	44.348	52.603	12849.9	21.93	118.26	77.8	568.4	905.4
85.00		0.3750	43.323	51.377	11972.0	21.39	115.53	78.4	542.1	884.5
90.00		0.3750	42.298	50.150	11135.1	20.84	112.79	79.0	516.4	863.7
92.92	Bot - Section 3	0.3750	41.700	49.435	10665.4	20.53	111.20	79.3	501.7	494.2
95.00		0.3750	41.273	48.924	10338.1	20.30	110.06	79.6	491.3	644.5
98.92	Top - Section 2	0.3130	41.096	40.720	8556.2	24.53	131.30	0.0	0.0	1193.7
100.00		0.3130	40.874	40.499	8417.2	24.38	130.59	75.0	403.9	149.7
105.00		0.3130	39.849	39.475	7795.0	23.73	127.31	75.7	383.7	680.3
110.00		0.3130	38.824	38.452	7204.2	23.08	124.04	76.5	364.0	662.9
115.00		0.3130	37.798	37.428	6644.1	22.43	120.76	77.2	344.8	645.5
120.00		0.3130	36.773	36.405	6113.8	21.78	117.49	77.9	326.1	628.1
125.00		0.3130	35.748	35.381	5612.5	21.13	114.21	78.7	308.0	610.7
127.09	Bot - Section 4	0.3130	35.320	34.954	5411.6	20.85	112.84	79.0	300.5	249.7
130.00		0.3130	34.723	34.357	5139.3	20.48	110.94	79.4	290.3	587.6
132.34	Top - Section 3	0.2190	34.682	24.076	3612.5	29.91	158.37	0.0	0.0	464.0
135.00		0.2190	34.136	23.695	3443.5	29.41	155.87	69.3	197.9	216.5
140.00		0.2190	33.111	22.979	3140.6	28.48	151.19	70.3	186.1	397.0
145.00		0.2190	32.086	22.262	2856.0	27.55	146.51	71.4	174.6	384.9
150.00		0.2190	31.061	21.546	2589.2	26.62	141.83	72.5	163.5	372.7
155.00		0.2190	30.036	20.830	2339.5	25.69	137.15	73.5	152.8	360.5
160.00		0.2190	29.010	20.114	2106.4	24.76	132.47	74.6	142.4	348.3
164.50		0.2190	28.088	19.469	1910.3	23.92	128.25	75.5	133.4	303.1
165.00		0.2190	27.985	19.398	1889.3	23.83	127.79	75.6	132.4	33.1
170.00		0.2190	26.960	18.682	1687.7	22.90	123.11	76.7	122.8	323.9
175.00		0.2190	25.935	17.966	1500.9	21.96	118.43	77.7	113.5	311.8
180.00		0.2190	24.910	17.249	1328.5	21.03	113.74	78.8	104.6	299.6
										32366.5

Wind Loading - Shaft

Structure:	CT02220-S-SBA	**Code:**	EIA/TIA-222-G	5/20/2021	
Site Name:	Colchester 2 CT	**Exposure:**	B		
Height:	180.00 (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	0.70	17.366	19.10	430.79	0.750	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	17.366	19.10	423.43	0.750	0.000	5.00	25.272	18.95	579.3	0.0	1688.3
10.00		1.00	0.70	17.366	19.10	416.07	0.750	0.000	5.00	24.837	18.63	569.3	0.0	1659.0
15.00		1.00	0.70	17.366	19.10	408.71	0.750	0.000	5.00	24.401	18.30	559.4	0.0	1629.7
20.00		1.00	0.70	17.366	19.10	401.35	0.750	0.000	5.00	23.966	17.97	549.4	0.0	1600.4
25.00		1.00	0.70	17.366	19.10	393.99	0.750	0.000	5.00	23.530	17.65	539.4	0.0	1571.1
30.00		1.00	0.70	17.381	19.12	386.79	0.750	0.000	5.00	23.095	17.32	529.9	0.0	1541.7
35.00		1.00	0.73	18.163	19.98	387.88	0.750	0.000	5.00	22.659	16.99	543.3	0.0	1512.4
40.00		1.00	0.76	18.870	20.76	387.68	0.750	0.000	5.00	22.224	16.67	553.5	0.0	1483.1
45.00		1.00	0.79	19.516	21.47	386.45	0.750	0.000	5.00	21.788	16.34	561.3	0.0	1453.8
45.92	Bot - Section 2	1.00	0.79	19.628	21.59	386.13	0.750	0.000	0.92	3.947	2.96	102.3	0.0	263.4
50.00		1.00	0.81	20.112	22.12	384.39	0.750	0.000	4.08	17.666	13.25	469.0	0.0	2169.3
53.00	Top - Section 1	1.00	0.82	20.450	22.49	382.81	0.750	0.000	3.00	12.794	9.60	345.3	0.0	1570.6
55.00		1.00	0.83	20.667	22.73	387.51	0.750	0.000	2.00	8.442	6.33	230.3	0.0	481.7
60.00	Appurtenance(s)	1.00	0.85	21.187	23.31	384.22	0.750	0.000	5.00	20.800	15.60	581.7	0.0	1186.6
65.00		1.00	0.87	21.678	23.85	380.42	0.750	0.000	5.00	20.365	15.27	582.7	0.0	1161.6
70.00		1.00	0.89	22.142	24.36	376.16	0.750	0.000	5.00	19.929	14.95	582.5	0.0	1136.6
75.00		1.00	0.91	22.582	24.84	371.49	0.750	0.000	5.00	19.494	14.62	581.1	0.0	1111.5
80.00		1.00	0.93	23.003	25.30	366.46	0.750	0.000	5.00	19.058	14.29	578.7	0.0	1086.5
85.00		1.00	0.94	23.404	25.74	361.10	0.750	0.000	5.00	18.623	13.97	575.3	0.0	1061.5
90.00		1.00	0.96	23.790	26.17	355.45	0.750	0.000	5.00	18.187	13.64	571.1	0.0	1036.4
92.92	Bot - Section 3	1.00	0.97	24.008	26.41	352.03	0.750	0.000	2.92	10.408	7.81	329.8	0.0	593.0
95.00		1.00	0.97	24.160	26.58	349.52	0.750	0.000	2.08	7.454	5.59	237.7	0.0	773.4
98.92	Top - Section 2	1.00	0.99	24.441	26.88	344.71	0.750	0.000	3.92	13.810	10.36	445.5	0.0	1432.4
100.00		1.00	0.99	24.517	26.97	348.69	0.750	0.000	1.08	3.773	2.83	122.1	0.0	179.6
105.00		1.00	1.00	24.861	27.35	342.32	0.750	0.000	5.00	17.147	12.86	562.7	0.0	816.4
110.00		1.00	1.02	25.194	27.71	335.74	0.750	0.000	5.00	16.711	12.53	555.7	0.0	795.5
115.00		1.00	1.03	25.516	28.07	328.96	0.750	0.000	5.00	16.276	12.21	548.2	0.0	774.6
120.00		1.00	1.04	25.828	28.41	321.99	0.750	0.000	5.00	15.840	11.88	540.0	0.0	753.7
125.00		1.00	1.05	26.131	28.74	314.84	0.750	0.000	5.00	15.405	11.55	531.3	0.0	732.8
127.09	Bot - Section 4	1.00	1.06	26.255	28.88	311.81	0.750	0.000	2.09	6.300	4.73	218.3	0.0	299.6
130.00		1.00	1.07	26.425	29.07	307.53	0.750	0.000	2.91	8.777	6.58	306.2	0.0	705.1
132.34	Top - Section 3	1.00	1.07	26.560	29.22	304.06	0.750	0.000	2.34	6.933	5.20	243.1	0.0	556.9
135.00		1.00	1.08	26.712	29.38	303.97	0.750	0.000	2.66	7.787	5.84	274.5	0.0	259.8
140.00		1.00	1.09	26.991	29.69	296.38	0.750	0.000	5.00	14.284	10.71	508.9	0.0	476.5
145.00		1.00	1.10	27.263	29.99	288.64	0.750	0.000	5.00	13.849	10.39	498.4	0.0	461.8
150.00		1.00	1.11	27.528	30.28	280.78	0.750	0.000	5.00	13.413	10.06	487.4	0.0	447.2
155.00		1.00	1.12	27.787	30.57	272.79	0.750	0.000	5.00	12.978	9.73	476.0	0.0	432.6
160.00		1.00	1.13	28.040	30.84	264.67	0.750	0.000	5.00	12.542	9.41	464.2	0.0	418.0
164.50	Appurtenance(s)	1.00	1.14	28.264	31.09	257.27	0.750	0.000	4.50	10.916	8.19	407.2	0.0	363.7
165.00		1.00	1.14	28.288	31.12	256.45	0.750	0.000	0.50	1.191	0.89	44.5	0.0	39.7
170.00		1.00	1.15	28.530	31.38	248.11	0.750	0.000	5.00	11.671	8.75	439.5	0.0	388.7
175.00		1.00	1.16	28.768	31.64	239.66	0.750	0.000	5.00	11.236	8.43	426.7	0.0	374.1
180.00	Appurtenance(s)	1.00	1.17	29.000	31.90	231.12	0.750	0.000	5.00	10.800	8.10	413.4	0.0	359.5
								Totals:	**180.00**			**19,266.3**		**38,839.8**

Discrete Appurtenance Forces

Structure:	CT02220-S-SBA	**Code:**	EIA/TIA-222-G	5/20/2021	
Site Name:	Colchester 2 CT	**Exposure:**	B		
Height:	180.00 (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	

Tower Engineering Solutions

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	180.00	ALU TD-RRH8x20-25	3	29.000	31.900	0.50	0.75	6.11	252.00	0.000	0.000	311.62	0.00	0.00
2	180.00	APXVTM14-C-I20	3	29.000	31.900	0.58	0.75	10.98	202.32	0.000	0.000	560.63	0.00	0.00
3	180.00	ALU 1900 Mhz RRUs	3	29.000	31.900	0.50	0.75	5.73	158.40	0.000	0.000	292.38	0.00	0.00
4	180.00	ALU 800 Mhz RRUs	6	29.000	31.900	0.50	0.75	7.51	381.60	0.000	0.000	383.18	0.00	0.00
5	180.00	NNVV-65B-R4	3	29.000	31.900	0.55	0.75	20.43	278.64	0.000	0.000	1042.73	0.00	0.00
6	180.00	Low Profile Platform	1	29.000	31.900	1.00	1.00	25.00	1440.00	0.000	0.000	1276.01	0.00	0.00
7	180.00	HRK14	1	29.000	31.900	1.00	1.00	8.13	362.83	0.000	0.000	414.96	0.00	0.00
8	180.00	PRK-SFS	1	29.000	31.900	1.00	1.00	13.00	204.00	0.000	0.000	663.52	0.00	0.00
9	180.00	PRK-1245L	1	29.000	31.900	1.00	1.00	11.84	557.89	0.000	0.000	604.32	0.00	0.00
10	164.50	Bracing	1	28.264	31.090	1.00	1.00	20.00	600.00	0.000	0.000	994.88	0.00	0.00
11	164.50	Kathrein 782 11056 Bias	3	28.264	31.090	0.65	0.75	0.25	19.08	0.000	0.000	12.66	0.00	0.00
12	164.50	Ericsson Radio 4449	3	28.264	31.090	0.50	0.75	2.49	252.00	0.000	0.000	123.73	0.00	0.00
13	164.50	Ericsson KRY 112 144/2	3	28.264	31.090	0.62	0.75	1.20	55.44	0.000	0.000	59.45	0.00	0.00
14	164.50	Ericsson KRY 112 489/2	3	28.264	31.090	0.62	0.75	1.20	55.44	0.000	0.000	59.45	0.00	0.00
15	164.50	APXVAARR24_43-U-NA2	3	28.264	31.090	0.52	0.75	31.88	460.80	0.000	0.000	1585.73	0.00	0.00
16	164.50	RR90-17-82DP	3	28.264	31.090	0.51	0.75	6.67	64.80	0.000	0.000	331.83	0.00	0.00
17	164.50	Low Profile Platform	1	28.264	31.090	1.00	1.00	25.00	1440.00	0.000	0.000	1243.60	0.00	0.00
18	60.00	3 ft Standoff	3	21.187	23.306	1.00	1.00	16.89	144.00	0.000	0.000	629.83	0.00	0.00
19	60.00	Collar Mount	1	21.187	23.306	1.00	1.00	2.50	180.72	0.000	0.000	93.22	0.00	0.00
20	60.00	B2/B66A RRH-BR049	2	21.187	23.306	1.00	1.00	3.74	168.72	0.000	0.000	139.46	0.00	0.00
21	60.00	VZS01	2	21.187	23.306	1.00	1.00	8.60	209.04	0.000	0.000	320.69	0.00	0.00
22	60.00	NNH4-65A-R4	2	21.187	23.306	1.00	1.00	18.20	177.26	0.000	0.000	678.68	0.00	0.00
							Totals:		**7,664.99**			**11,822.56**		

Total Applied Force Summary

Structure:	CT02220-S-SBA		**Code:**	EIA/TIA-222-G	5/20/2021
Site Name:	Colchester 2 CT		**Exposure:**	B	
Height:	180.00 (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

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		579.32	1798.91	0.00	0.00
10.00		569.34	1769.60	0.00	0.00
15.00		559.35	1740.29	0.00	0.00
20.00		549.37	1710.98	0.00	0.00
25.00		539.39	1681.67	0.00	0.00
30.00		529.85	1652.36	0.00	0.00
35.00		543.27	1623.05	0.00	0.00
40.00		553.55	1593.74	0.00	0.00
45.00		561.27	1564.43	0.00	0.00
45.92		102.27	283.63	0.00	0.00
50.00		468.98	2259.60	0.00	0.00
53.00		345.35	1637.02	0.00	0.00
55.00		230.30	525.91	0.00	0.00
60.00	(10) attachments	2443.62	2177.00	0.00	0.00
65.00		582.72	1265.62	0.00	0.00
70.00		582.47	1240.59	0.00	0.00
75.00		581.08	1215.55	0.00	0.00
80.00		578.67	1190.51	0.00	0.00
85.00		575.33	1165.47	0.00	0.00
90.00		571.12	1140.44	0.00	0.00
92.92		329.83	653.69	0.00	0.00
95.00		237.73	816.75	0.00	0.00
98.92		445.52	1513.90	0.00	0.00
100.00		122.09	202.18	0.00	0.00
105.00		562.69	920.42	0.00	0.00
110.00		555.74	899.52	0.00	0.00
115.00		548.18	878.62	0.00	0.00
120.00		540.03	857.72	0.00	0.00
125.00		531.35	836.83	0.00	0.00
127.09		218.34	343.06	0.00	0.00
130.00		306.17	765.75	0.00	0.00
132.34		243.07	605.46	0.00	0.00
135.00		274.55	315.17	0.00	0.00
140.00		508.92	580.47	0.00	0.00
145.00		498.37	565.85	0.00	0.00
150.00		487.40	551.23	0.00	0.00
155.00		476.01	536.61	0.00	0.00
160.00		464.23	521.99	0.00	0.00
164.50	(20) attachments	4818.58	3404.85	0.00	0.00
165.00		44.48	41.97	0.00	0.00
170.00		439.54	411.62	0.00	0.00
175.00		426.66	397.00	0.00	0.00
180.00	(22) attachments	5962.77	4220.07	0.00	0.00
	Totals:	**31,088.88**	**50,077.13**	**0.00**	**0.00**

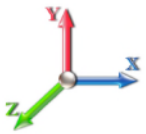
Calculated Forces

Structure:	CT02220-S-SBA	**Code:**	EIA/TIA-222-G	5/20/2021	
Site Name:	Colchester 2 CT	**Exposure:**	B		
Height:	180.00 (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	-50.04	-31.15	0.00	-3676.3	0.00	3676.32	5525.87	2762.94	13590.7	6747.00	0.00	0.000	0.000	0.554
5.00	-48.17	-30.68	0.00	-3520.5	0.00	3520.58	5469.54	2734.77	13218.9	6562.44	0.07	-0.137	0.000	0.545
10.00	-46.33	-30.22	0.00	-3367.1	0.00	3367.16	5411.85	2705.92	12848.7	6378.66	0.29	-0.275	0.000	0.537
15.00	-44.52	-29.76	0.00	-3216.0	0.00	3216.06	5352.80	2676.40	12480.3	6195.75	0.65	-0.414	0.000	0.528
20.00	-42.74	-29.30	0.00	-3067.2	0.00	3067.27	5292.39	2646.19	12113.8	6013.80	1.16	-0.554	0.000	0.518
25.00	-40.99	-28.84	0.00	-2920.7	0.00	2920.77	5230.62	2615.31	11749.3	5832.89	1.82	-0.695	0.000	0.509
30.00	-39.28	-28.39	0.00	-2776.5	0.00	2776.55	5167.50	2583.75	11387.2	5653.11	2.62	-0.837	0.000	0.499
35.00	-37.59	-27.91	0.00	-2634.6	0.00	2634.60	5103.02	2551.51	11027.5	5474.55	3.58	-0.980	0.000	0.489
40.00	-35.94	-27.42	0.00	-2495.0	0.00	2495.03	5037.18	2518.59	10670.5	5297.29	4.68	-1.124	0.000	0.478
45.00	-34.35	-26.88	0.00	-2357.9	0.00	2357.92	4969.98	2484.99	10316.2	5121.42	5.94	-1.268	0.000	0.467
45.92	-34.03	-26.81	0.00	-2333.2	0.00	2333.28	4957.51	2478.76	10251.6	5089.33	6.18	-1.295	0.000	0.465
50.00	-31.74	-26.35	0.00	-2223.7	0.00	2223.79	4901.42	2450.71	9964.95	4947.02	7.34	-1.413	0.000	0.456
53.00	-30.08	-26.00	0.00	-2144.7	0.00	2144.75	3967.43	1983.71	8109.29	4025.79	8.26	-1.501	0.000	0.541
55.00	-29.51	-25.81	0.00	-2092.7	0.00	2092.75	3947.58	1973.79	8001.39	3972.23	8.90	-1.560	0.000	0.534
60.00	-27.34	-23.39	0.00	-1963.6	0.00	1963.68	3897.00	1948.50	7732.70	3838.84	10.62	-1.722	0.000	0.519
65.00	-26.03	-22.84	0.00	-1846.7	0.00	1846.75	3845.06	1922.53	7465.70	3706.29	12.51	-1.883	0.000	0.505
70.00	-24.74	-22.28	0.00	-1732.5	0.00	1732.57	3791.77	1895.89	7200.54	3574.65	14.57	-2.045	0.000	0.491
75.00	-23.49	-21.72	0.00	-1621.1	0.00	1621.16	3737.12	1868.56	6937.41	3444.02	16.80	-2.207	0.000	0.477
80.00	-22.26	-21.16	0.00	-1512.5	0.00	1512.55	3681.11	1840.56	6676.48	3314.49	19.20	-2.369	0.000	0.463
85.00	-21.06	-20.59	0.00	-1406.7	0.00	1406.75	3623.74	1811.87	6417.92	3186.13	21.76	-2.530	0.000	0.447
90.00	-19.91	-20.02	0.00	-1303.7	0.00	1303.78	3565.02	1782.51	6161.91	3059.03	24.50	-2.691	0.000	0.432
92.92	-19.24	-19.68	0.00	-1245.4	0.00	1245.40	3530.13	1765.07	6013.81	2985.51	26.17	-2.786	0.000	0.423
95.00	-18.40	-19.44	0.00	-1204.3	0.00	1204.39	3504.93	1752.47	5908.61	2933.28	27.40	-2.854	0.000	0.416
98.92	-16.89	-18.94	0.00	-1128.2	0.00	1128.26	2742.07	1371.04	4616.42	2291.78	29.80	-2.980	0.000	0.499
100.00	-16.66	-18.84	0.00	-1107.7	0.00	1107.75	2732.96	1366.48	4575.83	2271.63	30.48	-3.015	0.000	0.494
105.00	-15.71	-18.27	0.00	-1013.5	0.00	1013.56	2690.08	1345.04	4389.32	2179.04	33.73	-3.195	0.000	0.471
110.00	-14.79	-17.71	0.00	-922.19	0.00	922.19	2645.83	1322.92	4204.31	2087.20	37.17	-3.371	0.000	0.448
115.00	-13.90	-17.16	0.00	-833.62	0.00	833.62	2600.23	1300.12	4020.98	1996.19	40.79	-3.545	0.000	0.423
120.00	-13.03	-16.60	0.00	-747.85	0.00	747.85	2553.28	1276.64	3839.50	1906.09	44.59	-3.714	0.000	0.398
125.00	-12.19	-16.04	0.00	-664.85	0.00	664.85	2504.96	1252.48	3660.03	1816.99	48.57	-3.878	0.000	0.371
127.09	-11.84	-15.81	0.00	-631.38	0.00	631.38	2484.39	1242.20	3585.78	1780.13	50.28	-3.947	0.000	0.360
130.00	-11.08	-15.47	0.00	-585.31	0.00	585.31	2455.29	1227.64	3482.76	1728.99	52.71	-4.040	0.000	0.343
132.34	-10.47	-15.20	0.00	-549.16	0.00	549.16	1489.26	744.63	2121.49	1053.20	54.71	-4.113	0.000	0.529
135.00	-10.14	-14.93	0.00	-508.68	0.00	508.68	1477.63	738.82	2071.36	1028.31	57.02	-4.195	0.000	0.502
140.00	-9.55	-14.41	0.00	-434.03	0.00	434.03	1454.76	727.38	1977.27	981.60	61.52	-4.389	0.000	0.449
145.00	-8.99	-13.89	0.00	-361.99	0.00	361.99	1430.53	715.26	1883.34	934.97	66.21	-4.570	0.000	0.394
150.00	-8.44	-13.39	0.00	-292.52	0.00	292.52	1404.94	702.47	1789.74	888.50	71.08	-4.733	0.000	0.336
155.00	-7.92	-12.89	0.00	-225.58	0.00	225.58	1377.99	688.99	1696.65	842.29	76.11	-4.875	0.000	0.274
160.00	-7.42	-12.39	0.00	-161.16	0.00	161.16	1349.68	674.84	1604.25	796.42	81.28	-4.993	0.000	0.208
164.50	-4.44	-7.30	0.00	-105.40	0.00	105.40	1323.05	661.52	1521.82	755.50	86.02	-5.074	0.000	0.143
165.00	-4.40	-7.25	0.00	-101.75	0.00	101.75	1320.02	660.01	1512.71	750.97	86.55	-5.081	0.000	0.139
170.00	-4.02	-6.78	0.00	-65.50	0.00	65.50	1289.00	644.50	1422.20	706.04	91.90	-5.144	0.000	0.096
175.00	-3.66	-6.32	0.00	-31.60	0.00	31.60	1256.62	628.31	1332.89	661.70	97.31	-5.185	0.000	0.051
180.00	0.00	-5.96	0.00	0.00	0.00	0.00	1222.88	611.44	1244.96	618.05	102.74	-5.200	0.000	0.000

Wind Loading - Shaft

Structure:	CT02220-S-SBA	**Code:**	EIA/TIA-222-G	5/20/2021	
Site Name:	Colchester 2 CT	**Exposure:**	B		
Height:	180.00 (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	0.70	17.366	19.10	430.79	0.750	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	17.366	19.10	423.43	0.750	0.000	5.00	25.272	18.95	579.3	0.0	1266.2
10.00		1.00	0.70	17.366	19.10	416.07	0.750	0.000	5.00	24.837	18.63	569.3	0.0	1244.2
15.00		1.00	0.70	17.366	19.10	408.71	0.750	0.000	5.00	24.401	18.30	559.4	0.0	1222.3
20.00		1.00	0.70	17.366	19.10	401.35	0.750	0.000	5.00	23.966	17.97	549.4	0.0	1200.3
25.00		1.00	0.70	17.366	19.10	393.99	0.750	0.000	5.00	23.530	17.65	539.4	0.0	1178.3
30.00		1.00	0.70	17.381	19.12	386.79	0.750	0.000	5.00	23.095	17.32	529.9	0.0	1156.3
35.00		1.00	0.73	18.163	19.98	387.88	0.750	0.000	5.00	22.659	16.99	543.3	0.0	1134.3
40.00		1.00	0.76	18.870	20.76	387.68	0.750	0.000	5.00	22.224	16.67	553.5	0.0	1112.3
45.00		1.00	0.79	19.516	21.47	386.45	0.750	0.000	5.00	21.788	16.34	561.3	0.0	1090.4
45.92	Bot - Section 2	1.00	0.79	19.628	21.59	386.13	0.750	0.000	0.92	3.947	2.96	102.3	0.0	197.5
50.00		1.00	0.81	20.112	22.12	384.39	0.750	0.000	4.08	17.666	13.25	469.0	0.0	1626.9
53.00	Top - Section 1	1.00	0.82	20.450	22.49	382.81	0.750	0.000	3.00	12.794	9.60	345.3	0.0	1178.0
55.00		1.00	0.83	20.667	22.73	387.51	0.750	0.000	2.00	8.442	6.33	230.3	0.0	361.3
60.00	Appurtenance(s)	1.00	0.85	21.187	23.31	384.22	0.750	0.000	5.00	20.800	15.60	581.7	0.0	890.0
65.00		1.00	0.87	21.678	23.85	380.42	0.750	0.000	5.00	20.365	15.27	582.7	0.0	871.2
70.00		1.00	0.89	22.142	24.36	376.16	0.750	0.000	5.00	19.929	14.95	582.5	0.0	852.4
75.00		1.00	0.91	22.582	24.84	371.49	0.750	0.000	5.00	19.494	14.62	581.1	0.0	833.6
80.00		1.00	0.93	23.003	25.30	366.46	0.750	0.000	5.00	19.058	14.29	578.7	0.0	814.9
85.00		1.00	0.94	23.404	25.74	361.10	0.750	0.000	5.00	18.623	13.97	575.3	0.0	796.1
90.00		1.00	0.96	23.790	26.17	355.45	0.750	0.000	5.00	18.187	13.64	571.1	0.0	777.3
92.92	Bot - Section 3	1.00	0.97	24.008	26.41	352.03	0.750	0.000	2.92	10.408	7.81	329.8	0.0	444.8
95.00		1.00	0.97	24.160	26.58	349.52	0.750	0.000	2.08	7.454	5.59	237.7	0.0	580.1
98.92	Top - Section 2	1.00	0.99	24.441	26.88	344.71	0.750	0.000	3.92	13.810	10.36	445.5	0.0	1074.3
100.00		1.00	0.99	24.517	26.97	348.69	0.750	0.000	1.08	3.773	2.83	122.1	0.0	134.7
105.00		1.00	1.00	24.861	27.35	342.32	0.750	0.000	5.00	17.147	12.86	562.7	0.0	612.3
110.00		1.00	1.02	25.194	27.71	335.74	0.750	0.000	5.00	16.711	12.53	555.7	0.0	596.6
115.00		1.00	1.03	25.516	28.07	328.96	0.750	0.000	5.00	16.276	12.21	548.2	0.0	581.0
120.00		1.00	1.04	25.828	28.41	321.99	0.750	0.000	5.00	15.840	11.88	540.0	0.0	565.3
125.00		1.00	1.05	26.131	28.74	314.84	0.750	0.000	5.00	15.405	11.55	531.3	0.0	549.6
127.09	Bot - Section 4	1.00	1.06	26.255	28.88	311.81	0.750	0.000	2.09	6.300	4.73	218.3	0.0	224.7
130.00		1.00	1.07	26.425	29.07	307.53	0.750	0.000	2.91	8.777	6.58	306.2	0.0	528.9
132.34	Top - Section 3	1.00	1.07	26.560	29.22	304.06	0.750	0.000	2.34	6.933	5.20	243.1	0.0	417.6
135.00		1.00	1.08	26.712	29.38	303.97	0.750	0.000	2.66	7.787	5.84	274.5	0.0	194.8
140.00		1.00	1.09	26.991	29.69	296.38	0.750	0.000	5.00	14.284	10.71	508.9	0.0	357.3
145.00		1.00	1.10	27.263	29.99	288.64	0.750	0.000	5.00	13.849	10.39	498.4	0.0	346.4
150.00		1.00	1.11	27.528	30.28	280.78	0.750	0.000	5.00	13.413	10.06	487.4	0.0	335.4
155.00		1.00	1.12	27.787	30.57	272.79	0.750	0.000	5.00	12.978	9.73	476.0	0.0	324.4
160.00		1.00	1.13	28.040	30.84	264.67	0.750	0.000	5.00	12.542	9.41	464.2	0.0	313.5
164.50	Appurtenance(s)	1.00	1.14	28.264	31.09	257.27	0.750	0.000	4.50	10.916	8.19	407.2	0.0	272.8
165.00		1.00	1.14	28.288	31.12	256.45	0.750	0.000	0.50	1.191	0.89	44.5	0.0	29.8
170.00		1.00	1.15	28.530	31.38	248.11	0.750	0.000	5.00	11.671	8.75	439.5	0.0	291.5
175.00		1.00	1.16	28.768	31.64	239.66	0.750	0.000	5.00	11.236	8.43	426.7	0.0	280.6
180.00	Appurtenance(s)	1.00	1.17	29.000	31.90	231.12	0.750	0.000	5.00	10.800	8.10	413.4	0.0	269.6
								Totals:	**180.00**			**19,266.3**		**29,129.9**

Discrete Appurtenance Forces

Structure:	CT02220-S-SBA		**Code:**	EIA/TIA-222-G	5/20/2021
Site Name:	Colchester 2 CT		**Exposure:**	B	
Height:	180.00 (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

Tower Engineering Solutions

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	180.00	ALU TD-RRH8x20-25	3	29.000	31.900	0.50	0.75	6.11	189.00	0.000	0.000	311.62	0.00	0.00
2	180.00	APXVTM14-C-I20	3	29.000	31.900	0.58	0.75	10.98	151.74	0.000	0.000	560.63	0.00	0.00
3	180.00	ALU 1900 Mhz RRUs	3	29.000	31.900	0.50	0.75	5.73	118.80	0.000	0.000	292.38	0.00	0.00
4	180.00	ALU 800 Mhz RRUs	6	29.000	31.900	0.50	0.75	7.51	286.20	0.000	0.000	383.18	0.00	0.00
5	180.00	NNVV-65B-R4	3	29.000	31.900	0.55	0.75	20.43	208.98	0.000	0.000	1042.73	0.00	0.00
6	180.00	Low Profile Platform	1	29.000	31.900	1.00	1.00	25.00	1080.00	0.000	0.000	1276.01	0.00	0.00
7	180.00	HRK14	1	29.000	31.900	1.00	1.00	8.13	272.12	0.000	0.000	414.96	0.00	0.00
8	180.00	PRK-SFS	1	29.000	31.900	1.00	1.00	13.00	153.00	0.000	0.000	663.52	0.00	0.00
9	180.00	PRK-1245L	1	29.000	31.900	1.00	1.00	11.84	418.42	0.000	0.000	604.32	0.00	0.00
10	164.50	Bracing	1	28.264	31.090	1.00	1.00	20.00	450.00	0.000	0.000	994.88	0.00	0.00
11	164.50	Kathrein 782 11056 Bias	3	28.264	31.090	0.65	0.75	0.25	14.31	0.000	0.000	12.66	0.00	0.00
12	164.50	Ericsson Radio 4449	3	28.264	31.090	0.50	0.75	2.49	189.00	0.000	0.000	123.73	0.00	0.00
13	164.50	Ericsson KRY 112 144/2	3	28.264	31.090	0.62	0.75	1.20	41.58	0.000	0.000	59.45	0.00	0.00
14	164.50	Ericsson KRY 112 489/2	3	28.264	31.090	0.62	0.75	1.20	41.58	0.000	0.000	59.45	0.00	0.00
15	164.50	APXVAARR24_43-U-NA2	3	28.264	31.090	0.52	0.75	31.88	345.60	0.000	0.000	1585.73	0.00	0.00
16	164.50	RR90-17-82DP	3	28.264	31.090	0.51	0.75	6.67	48.60	0.000	0.000	331.83	0.00	0.00
17	164.50	Low Profile Platform	1	28.264	31.090	1.00	1.00	25.00	1080.00	0.000	0.000	1243.60	0.00	0.00
18	60.00	3 ft Standoff	3	21.187	23.306	1.00	1.00	16.89	108.00	0.000	0.000	629.83	0.00	0.00
19	60.00	Collar Mount	1	21.187	23.306	1.00	1.00	2.50	135.54	0.000	0.000	93.22	0.00	0.00
20	60.00	B2/B66A RRH-BR049	2	21.187	23.306	1.00	1.00	3.74	126.54	0.000	0.000	139.46	0.00	0.00
21	60.00	VZS01	2	21.187	23.306	1.00	1.00	8.60	156.78	0.000	0.000	320.69	0.00	0.00
22	60.00	NNH4-65A-R4	2	21.187	23.306	1.00	1.00	18.20	132.95	0.000	0.000	678.68	0.00	0.00
							Totals:		**5,748.74**			**11,822.56**		

Total Applied Force Summary

Structure:	CT02220-S-SBA		**Code:**	EIA/TIA-222-G	5/20/2021
Site Name:	Colchester 2 CT		**Exposure:**	B	
Height:	180.00 (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

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		579.32	1349.18	0.00	0.00
10.00		569.34	1327.20	0.00	0.00
15.00		559.35	1305.22	0.00	0.00
20.00		549.37	1283.24	0.00	0.00
25.00		539.39	1261.25	0.00	0.00
30.00		529.85	1239.27	0.00	0.00
35.00		543.27	1217.29	0.00	0.00
40.00		553.55	1195.31	0.00	0.00
45.00		561.27	1173.33	0.00	0.00
45.92		102.27	212.73	0.00	0.00
50.00		468.98	1694.70	0.00	0.00
53.00		345.35	1227.76	0.00	0.00
55.00		230.30	394.44	0.00	0.00
60.00	(10) attachments	2443.62	1632.75	0.00	0.00
65.00		582.72	949.22	0.00	0.00
70.00		582.47	930.44	0.00	0.00
75.00		581.08	911.66	0.00	0.00
80.00		578.67	892.88	0.00	0.00
85.00		575.33	874.11	0.00	0.00
90.00		571.12	855.33	0.00	0.00
92.92		329.83	490.27	0.00	0.00
95.00		237.73	612.56	0.00	0.00
98.92		445.52	1135.43	0.00	0.00
100.00		122.09	151.63	0.00	0.00
105.00		562.69	690.31	0.00	0.00
110.00		555.74	674.64	0.00	0.00
115.00		548.18	658.97	0.00	0.00
120.00		540.03	643.29	0.00	0.00
125.00		531.35	627.62	0.00	0.00
127.09		218.34	257.29	0.00	0.00
130.00		306.17	574.31	0.00	0.00
132.34		243.07	454.10	0.00	0.00
135.00		274.55	236.38	0.00	0.00
140.00		508.92	435.35	0.00	0.00
145.00		498.37	424.39	0.00	0.00
150.00		487.40	413.42	0.00	0.00
155.00		476.01	402.46	0.00	0.00
160.00		464.23	391.49	0.00	0.00
164.50	(20) attachments	4818.58	2553.64	0.00	0.00
165.00		44.48	31.47	0.00	0.00
170.00		439.54	308.72	0.00	0.00
175.00		426.66	297.75	0.00	0.00
180.00	(22) attachments	5962.77	3165.05	0.00	0.00
	Totals:	**31,088.88**	**37,557.85**	**0.00**	**0.00**

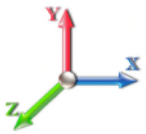
Calculated Forces

Structure:	CT02220-S-SBA	**Code:**	EIA/TIA-222-G	5/20/2021	
Site Name:	Colchester 2 CT	**Exposure:**	B		
Height:	180.00 (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	-37.52	-31.13	0.00	-3641.7	0.00	3641.77	5525.87	2762.94	13590.7	6747.00	0.00	0.000	0.000	0.547
5.00	-36.10	-30.64	0.00	-3486.1	0.00	3486.10	5469.54	2734.77	13218.9	6562.44	0.07	-0.136	0.000	0.538
10.00	-34.70	-30.15	0.00	-3332.9	0.00	3332.91	5411.85	2705.92	12848.7	6378.66	0.29	-0.272	0.000	0.529
15.00	-33.33	-29.66	0.00	-3182.1	0.00	3182.17	5352.80	2676.40	12480.3	6195.75	0.65	-0.410	0.000	0.520
20.00	-31.98	-29.18	0.00	-3033.8	0.00	3033.87	5292.39	2646.19	12113.8	6013.80	1.15	-0.549	0.000	0.511
25.00	-30.65	-28.70	0.00	-2887.9	0.00	2887.97	5230.62	2615.31	11749.3	5832.89	1.80	-0.688	0.000	0.501
30.00	-29.35	-28.23	0.00	-2744.4	0.00	2744.47	5167.50	2583.75	11387.2	5653.11	2.60	-0.829	0.000	0.491
35.00	-28.08	-27.73	0.00	-2603.3	0.00	2603.34	5103.02	2551.51	11027.5	5474.55	3.54	-0.970	0.000	0.481
40.00	-26.82	-27.23	0.00	-2464.6	0.00	2464.67	5037.18	2518.59	10670.5	5297.29	4.63	-1.111	0.000	0.471
45.00	-25.62	-26.68	0.00	-2328.5	0.00	2328.54	4969.98	2484.99	10316.2	5121.42	5.87	-1.254	0.000	0.460
45.92	-25.38	-26.60	0.00	-2304.0	0.00	2304.09	4957.51	2478.76	10251.6	5089.33	6.12	-1.280	0.000	0.458
50.00	-23.65	-26.14	0.00	-2195.4	0.00	2195.46	4901.42	2450.71	9964.95	4947.02	7.26	-1.398	0.000	0.449
53.00	-22.40	-25.79	0.00	-2117.0	0.00	2117.06	3967.43	1983.71	8109.29	4025.79	8.17	-1.484	0.000	0.532
55.00	-21.96	-25.59	0.00	-2065.4	0.00	2065.48	3947.58	1973.79	8001.39	3972.23	8.81	-1.543	0.000	0.526
60.00	-20.33	-23.16	0.00	-1937.5	0.00	1937.53	3897.00	1948.50	7732.70	3838.84	10.51	-1.702	0.000	0.510
65.00	-19.34	-22.60	0.00	-1821.7	0.00	1821.75	3845.06	1922.53	7465.70	3706.29	12.37	-1.861	0.000	0.497
70.00	-18.37	-22.04	0.00	-1708.7	0.00	1708.75	3791.77	1895.89	7200.54	3574.65	14.41	-2.021	0.000	0.483
75.00	-17.42	-21.47	0.00	-1598.5	0.00	1598.57	3737.12	1868.56	6937.41	3444.02	16.61	-2.180	0.000	0.469
80.00	-16.49	-20.90	0.00	-1491.2	0.00	1491.21	3681.11	1840.56	6676.48	3314.49	18.98	-2.340	0.000	0.455
85.00	-15.59	-20.34	0.00	-1386.6	0.00	1386.69	3623.74	1811.87	6417.92	3186.13	21.52	-2.499	0.000	0.440
90.00	-14.71	-19.76	0.00	-1285.0	0.00	1285.02	3565.02	1782.51	6161.91	3059.03	24.22	-2.658	0.000	0.424
92.92	-14.21	-19.43	0.00	-1227.3	0.00	1227.39	3530.13	1765.07	6013.81	2985.51	25.87	-2.751	0.000	0.415
95.00	-13.58	-19.18	0.00	-1186.9	0.00	1186.92	3504.93	1752.47	5908.61	2933.28	27.09	-2.819	0.000	0.409
98.92	-12.44	-18.70	0.00	-1111.7	0.00	1111.79	2742.07	1371.04	4616.42	2291.78	29.45	-2.942	0.000	0.490
100.00	-12.26	-18.59	0.00	-1091.5	0.00	1091.54	2732.96	1366.48	4575.83	2271.63	30.12	-2.977	0.000	0.485
105.00	-11.55	-18.03	0.00	-998.59	0.00	998.59	2690.08	1345.04	4389.32	2179.04	33.33	-3.154	0.000	0.463
110.00	-10.85	-17.47	0.00	-908.46	0.00	908.46	2645.83	1322.92	4204.31	2087.20	36.73	-3.328	0.000	0.440
115.00	-10.18	-16.91	0.00	-821.13	0.00	821.13	2600.23	1300.12	4020.98	1996.19	40.30	-3.499	0.000	0.415
120.00	-9.52	-16.36	0.00	-736.58	0.00	736.58	2553.28	1276.64	3839.50	1906.09	44.06	-3.665	0.000	0.390
125.00	-8.90	-15.80	0.00	-654.79	0.00	654.79	2504.96	1252.48	3660.03	1816.99	47.98	-3.827	0.000	0.364
127.09	-8.64	-15.58	0.00	-621.81	0.00	621.81	2484.39	1242.20	3585.78	1780.13	49.67	-3.895	0.000	0.353
130.00	-8.06	-15.25	0.00	-576.42	0.00	576.42	2455.29	1227.64	3482.76	1728.99	52.07	-3.987	0.000	0.337
132.34	-7.61	-14.98	0.00	-540.79	0.00	540.79	1489.26	744.63	2121.49	1053.20	54.04	-4.059	0.000	0.519
135.00	-7.36	-14.71	0.00	-500.88	0.00	500.88	1477.63	738.82	2071.36	1028.31	56.32	-4.139	0.000	0.492
140.00	-6.91	-14.19	0.00	-427.33	0.00	427.33	1454.76	727.38	1977.27	981.60	60.76	-4.331	0.000	0.440
145.00	-6.49	-13.68	0.00	-356.36	0.00	356.36	1430.53	715.26	1883.34	934.97	65.39	-4.508	0.000	0.386
150.00	-6.08	-13.18	0.00	-287.95	0.00	287.95	1404.94	702.47	1789.74	888.50	70.19	-4.669	0.000	0.329
155.00	-5.69	-12.69	0.00	-222.05	0.00	222.05	1377.99	688.99	1696.65	842.29	75.16	-4.809	0.000	0.268
160.00	-5.32	-12.20	0.00	-158.62	0.00	158.62	1349.68	674.84	1604.25	796.42	80.25	-4.924	0.000	0.203
164.50	-3.19	-7.18	0.00	-103.73	0.00	103.73	1323.05	661.52	1521.82	755.50	84.93	-5.004	0.000	0.140
165.00	-3.16	-7.13	0.00	-100.14	0.00	100.14	1320.02	660.01	1512.71	750.97	85.45	-5.012	0.000	0.136
170.00	-2.88	-6.67	0.00	-64.47	0.00	64.47	1289.00	644.50	1422.20	706.04	90.73	-5.074	0.000	0.094
175.00	-2.62	-6.22	0.00	-31.11	0.00	31.11	1256.62	628.31	1332.89	661.70	96.06	-5.114	0.000	0.049
180.00	0.00	-5.96	0.00	0.00	0.00	0.00	1222.88	611.44	1244.96	618.05	101.42	-5.129	0.000	0.000

Wind Loading - Shaft

Structure:	CT02220-S-SBA	**Code:**	EIA/TIA-222-G	5/20/2021	
Site Name:	Colchester 2 CT	**Exposure:**	B		
Height:	180.00 (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	

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

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	0.70	4.256	4.68	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	4.256	4.68	0.00	1.200	1.242	5.00	26.307	31.57	147.8	472.8	2161.1
10.00		1.00	0.70	4.256	4.68	0.00	1.200	1.331	5.00	25.946	31.14	145.8	498.9	2157.8
15.00		1.00	0.70	4.256	4.68	0.00	1.200	1.386	5.00	25.556	30.67	143.6	511.0	2140.7
20.00		1.00	0.70	4.256	4.68	0.00	1.200	1.427	5.00	25.154	30.19	141.3	517.0	2117.4
25.00		1.00	0.70	4.256	4.68	0.00	1.200	1.459	5.00	24.746	29.69	139.0	519.5	2090.6
30.00		1.00	0.70	4.260	4.69	0.00	1.200	1.486	5.00	24.333	29.20	136.8	519.7	2061.4
35.00		1.00	0.73	4.451	4.90	0.00	1.200	1.509	5.00	23.916	28.70	140.5	518.2	2030.6
40.00		1.00	0.76	4.625	5.09	0.00	1.200	1.529	5.00	23.498	28.20	143.4	515.4	1998.6
45.00		1.00	0.79	4.783	5.26	0.00	1.200	1.547	5.00	23.077	27.69	145.7	511.7	1965.5
45.92	Bot - Section 2	1.00	0.79	4.810	5.29	0.00	1.200	1.550	0.92	4.184	5.02	26.6	93.7	357.0
50.00		1.00	0.81	4.929	5.42	0.00	1.200	1.564	4.08	18.730	22.48	121.9	420.2	2589.5
53.00	Top - Section 1	1.00	0.82	5.012	5.51	0.00	1.200	1.573	3.00	13.580	16.30	89.8	306.9	1877.6
55.00		1.00	0.83	5.065	5.57	0.00	1.200	1.579	2.00	8.968	10.76	60.0	203.8	685.4
60.00	Appurtenance(s)	1.00	0.85	5.193	5.71	0.00	1.200	1.592	5.00	22.127	26.55	151.7	503.6	1690.3
65.00		1.00	0.87	5.313	5.84	0.00	1.200	1.605	5.00	21.702	26.04	152.2	497.4	1659.0
70.00		1.00	0.89	5.426	5.97	0.00	1.200	1.617	5.00	21.277	25.53	152.4	490.8	1627.3
75.00		1.00	0.91	5.534	6.09	0.00	1.200	1.628	5.00	20.851	25.02	152.3	483.7	1595.2
80.00		1.00	0.93	5.637	6.20	0.00	1.200	1.639	5.00	20.424	24.51	152.0	476.3	1562.8
85.00		1.00	0.94	5.736	6.31	0.00	1.200	1.649	5.00	19.997	24.00	151.4	468.6	1530.1
90.00		1.00	0.96	5.830	6.41	0.00	1.200	1.658	5.00	19.569	23.48	150.6	460.7	1497.1
92.92	Bot - Section 3	1.00	0.97	5.884	6.47	0.00	1.200	1.664	2.92	11.217	13.46	87.1	265.9	859.0
95.00		1.00	0.97	5.921	6.51	0.00	1.200	1.667	2.08	8.033	9.64	62.8	191.3	964.7
98.92	Top - Section 2	1.00	0.99	5.990	6.59	0.00	1.200	1.674	3.92	14.902	17.88	117.8	354.4	1786.9
100.00		1.00	0.99	6.008	6.61	0.00	1.200	1.676	1.08	4.075	4.89	32.3	97.6	277.3
105.00		1.00	1.00	6.093	6.70	0.00	1.200	1.684	5.00	18.550	22.26	149.2	442.0	1258.4
110.00		1.00	1.02	6.174	6.79	0.00	1.200	1.692	5.00	18.121	21.75	147.7	433.2	1228.7
115.00		1.00	1.03	6.253	6.88	0.00	1.200	1.699	5.00	17.692	21.23	146.0	424.2	1198.8
120.00		1.00	1.04	6.330	6.96	0.00	1.200	1.707	5.00	17.262	20.71	144.2	415.0	1168.7
125.00		1.00	1.05	6.404	7.04	0.00	1.200	1.714	5.00	16.833	20.20	142.3	405.6	1138.5
127.09	Bot - Section 4	1.00	1.06	6.434	7.08	0.00	1.200	1.717	2.09	6.897	8.28	58.6	167.6	467.3
130.00		1.00	1.07	6.476	7.12	0.00	1.200	1.720	2.91	9.613	11.54	82.2	233.6	938.8
132.34	Top - Section 3	1.00	1.07	6.509	7.16	0.00	1.200	1.723	2.34	7.604	9.13	65.3	185.3	742.1
135.00		1.00	1.08	6.546	7.20	0.00	1.200	1.727	2.66	8.553	10.26	73.9	208.4	468.2
140.00		1.00	1.09	6.615	7.28	0.00	1.200	1.733	5.00	15.729	18.87	137.3	381.6	858.0
145.00		1.00	1.10	6.681	7.35	0.00	1.200	1.739	5.00	15.298	18.36	134.9	371.7	833.5
150.00		1.00	1.11	6.746	7.42	0.00	1.200	1.745	5.00	14.868	17.84	132.4	361.7	808.9
155.00		1.00	1.12	6.810	7.49	0.00	1.200	1.751	5.00	14.437	17.32	129.8	351.6	784.2
160.00		1.00	1.13	6.872	7.56	0.00	1.200	1.757	5.00	14.006	16.81	127.0	341.4	759.4
164.50	Appurtenance(s)	1.00	1.14	6.927	7.62	0.00	1.200	1.761	4.50	12.237	14.68	111.9	298.9	662.6
165.00		1.00	1.14	6.933	7.63	0.00	1.200	1.762	0.50	1.338	1.61	12.2	33.1	72.8
170.00		1.00	1.15	6.992	7.69	0.00	1.200	1.767	5.00	13.144	15.77	121.3	320.7	709.4
175.00		1.00	1.16	7.050	7.76	0.00	1.200	1.772	5.00	12.713	15.26	118.3	310.2	684.3
180.00	Appurtenance(s)	1.00	1.17	7.107	7.82	0.00	1.200	1.777	5.00	12.281	14.74	115.2	299.6	659.1
								Totals:	**180.00**			**5,094.6**		**54,724.5**

Discrete Appurtenance Forces

Structure:	CT02220-S-SBA	**Code:**	EIA/TIA-222-G	5/20/2021	
Site Name:	Colchester 2 CT	**Exposure:**	B		
Height:	180.00 (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	180.00	ALU TD-RRH8x20-25	3	7.107	7.818	0.50	0.75	7.36	590.78	0.000	0.000	57.51	0.00	0.00
2	180.00	APXVTM14-C-I20	3	7.107	7.818	0.58	0.75	12.95	694.23	0.000	0.000	101.25	0.00	0.00
3	180.00	ALU 1900 Mhz RRUs	3	7.107	7.818	0.50	0.75	7.86	398.32	0.000	0.000	61.47	0.00	0.00
4	180.00	ALU 800 Mhz RRUs	6	7.107	7.818	0.50	0.75	11.02	706.93	0.000	0.000	86.15	0.00	0.00
5	180.00	NNVV-65B-R4	3	7.107	7.818	0.55	0.75	22.90	953.68	0.000	0.000	179.02	0.00	0.00
6	180.00	Low Profile Platform	1	7.107	7.818	1.00	1.00	46.33	2206.40	0.000	0.000	362.19	0.00	0.00
7	180.00	HRK14	1	7.107	7.818	1.00	1.00	16.22	1030.62	0.000	0.000	126.82	0.00	0.00
8	180.00	PRK-SFS	1	7.107	7.818	1.00	1.00	20.11	331.73	0.000	0.000	157.21	0.00	0.00
9	180.00	PRK-1245L	1	7.107	7.818	1.00	1.00	24.47	793.32	0.000	0.000	191.27	0.00	0.00
10	164.50	Bracing	1	6.927	7.619	1.00	1.00	39.73	1048.87	0.000	0.000	302.70	0.00	0.00
11	164.50	Kathrein 782 11056 Bias	3	6.927	7.619	0.65	0.75	0.62	39.58	0.000	0.000	4.74	0.00	0.00
12	164.50	Ericsson Radio 4449	3	6.927	7.619	0.50	0.75	3.31	459.13	0.000	0.000	25.19	0.00	0.00
13	164.50	Ericsson KRY 112 144/2	3	6.927	7.619	0.62	0.75	2.34	93.86	0.000	0.000	17.86	0.00	0.00
14	164.50	Ericsson KRY 112 489/2	3	6.927	7.619	0.62	0.75	2.34	93.86	0.000	0.000	17.86	0.00	0.00
15	164.50	APXVAARR24_43-U-NA2	3	6.927	7.619	0.52	0.75	34.90	1727.71	0.000	0.000	265.91	0.00	0.00
16	164.50	RR90-17-82DP	3	6.927	7.619	0.51	0.75	8.19	364.46	0.000	0.000	62.44	0.00	0.00
17	164.50	Low Profile Platform	1	6.927	7.619	1.00	1.00	46.14	2196.84	0.000	0.000	351.53	0.00	0.00
18	60.00	3 ft Standoff	3	5.193	5.712	1.00	1.00	51.86	294.75	0.000	0.000	296.24	0.00	0.00
19	60.00	Collar Mount	1	5.193	5.712	1.00	1.00	4.89	306.27	0.000	0.000	27.92	0.00	0.00
20	60.00	B2/B66A RRH-BR049	2	5.193	5.712	1.00	1.00	4.78	292.47	0.000	0.000	27.29	0.00	0.00
21	60.00	VZS01	2	5.193	5.712	1.00	1.00	10.20	407.84	0.000	0.000	58.29	0.00	0.00
22	60.00	NNH4-65A-R4	2	5.193	5.712	1.00	1.00	20.45	528.14	0.000	0.000	116.80	0.00	0.00
							Totals:		**15,559.78**			**2,897.65**		

Total Applied Force Summary

Structure:	CT02220-S-SBA		**Code:**	EIA/TIA-222-G	5/20/2021
Site Name:	Colchester 2 CT		**Exposure:**	B	
Height:	180.00 (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		147.79	2271.73	0.00	0.00
10.00		145.76	2268.46	0.00	0.00
15.00		143.57	2251.28	0.00	0.00
20.00		141.32	2228.00	0.00	0.00
25.00		139.02	2201.19	0.00	0.00
30.00		136.81	2172.05	0.00	0.00
35.00		140.53	2141.25	0.00	0.00
40.00		143.44	2109.18	0.00	0.00
45.00		145.69	2076.12	0.00	0.00
45.92		26.57	377.30	0.00	0.00
50.00		121.86	2679.81	0.00	0.00
53.00		89.84	1943.93	0.00	0.00
55.00		59.96	729.67	0.00	0.00
60.00	(10) attachments	678.20	3630.38	0.00	0.00
65.00		152.19	1763.04	0.00	0.00
70.00		152.40	1731.34	0.00	0.00
75.00		152.32	1699.26	0.00	0.00
80.00		151.98	1666.83	0.00	0.00
85.00		151.40	1634.10	0.00	0.00
90.00		150.60	1601.10	0.00	0.00
92.92		87.11	919.63	0.00	0.00
95.00		62.79	1008.02	0.00	0.00
98.92		117.83	1868.34	0.00	0.00
100.00		32.32	299.81	0.00	0.00
105.00		149.19	1362.42	0.00	0.00
110.00		147.69	1332.69	0.00	0.00
115.00		146.03	1302.79	0.00	0.00
120.00		144.23	1272.71	0.00	0.00
125.00		142.29	1242.48	0.00	0.00
127.09		58.58	510.70	0.00	0.00
130.00		82.18	999.36	0.00	0.00
132.34		65.34	790.74	0.00	0.00
135.00		73.91	523.61	0.00	0.00
140.00		137.33	962.05	0.00	0.00
145.00		134.92	937.56	0.00	0.00
150.00		132.40	912.95	0.00	0.00
155.00		129.77	888.22	0.00	0.00
160.00		127.05	863.39	0.00	0.00
164.50	(20) attachments	1160.11	6780.51	0.00	0.00
165.00		12.24	75.08	0.00	0.00
170.00		121.31	732.31	0.00	0.00
175.00		118.31	707.19	0.00	0.00
180.00	(22) attachments	1438.10	8387.97	0.00	0.00
	Totals:	**7,992.29**	**73,856.55**	**0.00**	**0.00**

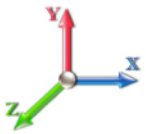
Calculated Forces

Structure:	CT02220-S-SBA	**Code:**	EIA/TIA-222-G	5/20/2021	
Site Name:	Colchester 2 CT	**Exposure:**	B		
Height:	180.00 (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	-73.85	-8.02	0.00	-960.29	0.00	960.29	5525.87	2762.94	13590.7	6747.00	0.00	0.000	0.000	0.156
5.00	-71.58	-7.91	0.00	-920.22	0.00	920.22	5469.54	2734.77	13218.9	6562.44	0.02	-0.036	0.000	0.153
10.00	-69.30	-7.81	0.00	-880.66	0.00	880.66	5411.85	2705.92	12848.7	6378.66	0.08	-0.072	0.000	0.151
15.00	-67.05	-7.70	0.00	-841.62	0.00	841.62	5352.80	2676.40	12480.3	6195.75	0.17	-0.108	0.000	0.148
20.00	-64.82	-7.60	0.00	-803.11	0.00	803.11	5292.39	2646.19	12113.8	6013.80	0.30	-0.145	0.000	0.146
25.00	-62.61	-7.49	0.00	-765.11	0.00	765.11	5230.62	2615.31	11749.3	5832.89	0.48	-0.182	0.000	0.143
30.00	-60.43	-7.39	0.00	-727.64	0.00	727.64	5167.50	2583.75	11387.2	5653.11	0.69	-0.219	0.000	0.140
35.00	-58.29	-7.28	0.00	-690.70	0.00	690.70	5103.02	2551.51	11027.5	5474.55	0.94	-0.257	0.000	0.138
40.00	-56.18	-7.16	0.00	-654.31	0.00	654.31	5037.18	2518.59	10670.5	5297.29	1.23	-0.294	0.000	0.135
45.00	-54.10	-7.03	0.00	-618.51	0.00	618.51	4969.98	2484.99	10316.2	5121.42	1.55	-0.332	0.000	0.132
45.92	-53.72	-7.01	0.00	-612.07	0.00	612.07	4957.51	2478.76	10251.6	5089.33	1.62	-0.339	0.000	0.131
50.00	-51.04	-6.90	0.00	-583.43	0.00	583.43	4901.42	2450.71	9964.95	4947.02	1.92	-0.370	0.000	0.128
53.00	-49.09	-6.81	0.00	-562.73	0.00	562.73	3967.43	1983.71	8109.29	4025.79	2.16	-0.393	0.000	0.152
55.00	-48.36	-6.77	0.00	-549.10	0.00	549.10	3947.58	1973.79	8001.39	3972.23	2.33	-0.409	0.000	0.150
60.00	-44.73	-6.10	0.00	-515.24	0.00	515.24	3897.00	1948.50	7732.70	3838.84	2.78	-0.451	0.000	0.146
65.00	-42.96	-5.97	0.00	-484.73	0.00	484.73	3845.06	1922.53	7465.70	3706.29	3.28	-0.493	0.000	0.142
70.00	-41.23	-5.83	0.00	-454.91	0.00	454.91	3791.77	1895.89	7200.54	3574.65	3.82	-0.536	0.000	0.138
75.00	-39.53	-5.69	0.00	-425.76	0.00	425.76	3737.12	1868.56	6937.41	3444.02	4.40	-0.578	0.000	0.134
80.00	-37.86	-5.55	0.00	-397.32	0.00	397.32	3681.11	1840.56	6676.48	3314.49	5.03	-0.621	0.000	0.130
85.00	-36.22	-5.40	0.00	-369.58	0.00	369.58	3623.74	1811.87	6417.92	3186.13	5.70	-0.663	0.000	0.126
90.00	-34.62	-5.26	0.00	-342.56	0.00	342.56	3565.02	1782.51	6161.91	3059.03	6.42	-0.706	0.000	0.122
92.92	-33.70	-5.17	0.00	-327.23	0.00	327.23	3530.13	1765.07	6013.81	2985.51	6.86	-0.731	0.000	0.119
95.00	-32.69	-5.11	0.00	-316.46	0.00	316.46	3504.93	1752.47	5908.61	2933.28	7.18	-0.749	0.000	0.117
98.92	-30.82	-4.98	0.00	-296.46	0.00	296.46	2742.07	1371.04	4616.42	2291.78	7.81	-0.782	0.000	0.141
100.00	-30.52	-4.96	0.00	-291.07	0.00	291.07	2732.96	1366.48	4575.83	2271.63	7.99	-0.791	0.000	0.139
105.00	-29.15	-4.81	0.00	-266.29	0.00	266.29	2690.08	1345.04	4389.32	2179.04	8.84	-0.838	0.000	0.133
110.00	-27.82	-4.67	0.00	-242.24	0.00	242.24	2645.83	1322.92	4204.31	2087.20	9.74	-0.884	0.000	0.127
115.00	-26.52	-4.52	0.00	-218.92	0.00	218.92	2600.23	1300.12	4020.98	1996.19	10.69	-0.930	0.000	0.120
120.00	-25.24	-4.37	0.00	-196.32	0.00	196.32	2553.28	1276.64	3839.50	1906.09	11.69	-0.974	0.000	0.113
125.00	-24.00	-4.22	0.00	-174.45	0.00	174.45	2504.96	1252.48	3660.03	1816.99	12.74	-1.017	0.000	0.106
127.09	-23.49	-4.16	0.00	-165.64	0.00	165.64	2484.39	1242.20	3585.78	1780.13	13.18	-1.035	0.000	0.103
130.00	-22.49	-4.07	0.00	-153.52	0.00	153.52	2455.29	1227.64	3482.76	1728.99	13.82	-1.060	0.000	0.098
132.34	-21.70	-4.00	0.00	-144.00	0.00	144.00	1489.26	744.63	2121.49	1053.20	14.35	-1.079	0.000	0.151
135.00	-21.17	-3.93	0.00	-133.35	0.00	133.35	1477.63	738.82	2071.36	1028.31	14.96	-1.100	0.000	0.144
140.00	-20.21	-3.79	0.00	-113.71	0.00	113.71	1454.76	727.38	1977.27	981.60	16.14	-1.151	0.000	0.130
145.00	-19.27	-3.65	0.00	-94.76	0.00	94.76	1430.53	715.26	1883.34	934.97	17.37	-1.199	0.000	0.115
150.00	-18.36	-3.51	0.00	-76.51	0.00	76.51	1404.94	702.47	1789.74	888.50	18.65	-1.241	0.000	0.099
155.00	-17.47	-3.37	0.00	-58.95	0.00	58.95	1377.99	688.99	1696.65	842.29	19.97	-1.279	0.000	0.083
160.00	-16.61	-3.23	0.00	-42.09	0.00	42.09	1349.68	674.84	1604.25	796.42	21.32	-1.309	0.000	0.065
164.50	-9.86	-1.92	0.00	-27.54	0.00	27.54	1323.05	661.52	1521.82	755.50	22.57	-1.330	0.000	0.044
165.00	-9.79	-1.91	0.00	-26.58	0.00	26.58	1320.02	660.01	1512.71	750.97	22.71	-1.332	0.000	0.043
170.00	-9.06	-1.77	0.00	-17.04	0.00	17.04	1289.00	644.50	1422.20	706.04	24.11	-1.349	0.000	0.031
175.00	-8.35	-1.64	0.00	-8.19	0.00	8.19	1256.62	628.31	1332.89	661.70	25.53	-1.359	0.000	0.019
180.00	0.00	-1.44	0.00	0.00	0.00	0.00	1222.88	611.44	1244.96	618.05	26.96	-1.363	0.000	0.000

Seismic Segment Forces (Factored)

Structure:	CT02220-S-SBA		**Code:**	EIA/TIA-222-G	5/20/2021
Site Name:	Colchester 2 CT		**Exposure:**	B	
Height:	180.00 (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

IES Tower Engineering Solutions

Load Case:	1.2D + 1.0E							**Iterations**	22
Gust Response Factor	1.10				**Sds**	0.19		**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)**		0.35	**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		1406.9	0.00	0.03	0.02	22.23	
10.00		1382.4	0.01	0.05	0.03	32.87	
15.00		1358.0	0.01	0.06	0.03	38.22	
20.00		1333.6	0.02	0.07	0.04	40.81	
25.00		1309.2	0.04	0.07	0.04	41.95	
30.00		1284.7	0.05	0.07	0.04	42.38	
35.00		1260.3	0.07	0.07	0.04	42.51	
40.00		1235.9	0.09	0.07	0.04	42.54	
45.00		1211.5	0.12	0.07	0.03	42.53	
45.92	Bot - Section 2	219.46	0.12	0.07	0.03	7.73	
50.00		1807.7	0.15	0.07	0.03	64.58	
53.00	Top - Section 1	1308.8	0.16	0.07	0.03	47.12	
55.00		401.39	0.18	0.07	0.03	14.50	
60.00	Appurtenance(s)	1721.9	0.21	0.06	0.02	62.07	
65.00		968.00	0.25	0.06	0.02	34.05	
70.00		947.14	0.29	0.05	0.01	31.36	
75.00		926.28	0.33	0.04	0.01	27.23	
80.00		905.41	0.37	0.03	0.01	21.42	
85.00		884.55	0.42	0.01	0.01	13.93	
90.00		863.69	0.47	-0.01	0.01	5.11	
92.92	Bot - Section 3	494.18	0.50	-0.02	0.01	-0.20	
95.00		644.51	0.53	-0.03	0.01	-3.23	
98.92	Top - Section 2	1193.6	0.57	-0.04	0.01	-16.14	
100.00		149.70	0.58	-0.05	0.01	-2.36	
105.00		680.33	0.64	-0.07	0.02	-17.04	
110.00		662.92	0.71	-0.09	0.03	-21.04	
115.00		645.50	0.77	-0.11	0.05	-22.76	
120.00		628.09	0.84	-0.12	0.07	-22.18	
125.00		610.68	0.91	-0.12	0.09	-19.47	
127.09	Bot - Section 4	249.71	0.94	-0.12	0.10	-7.35	
130.00		587.62	0.99	-0.11	0.12	-14.69	
132.34	Top - Section 3	464.04	1.02	-0.10	0.14	-9.56	
135.00		216.47	1.06	-0.09	0.17	-3.18	
140.00		397.05	1.14	-0.04	0.21	-0.40	
145.00		384.86	1.23	0.03	0.27	6.18	
150.00		372.68	1.31	0.14	0.35	13.60	
155.00		360.49	1.40	0.29	0.43	21.77	
160.00		348.31	1.49	0.48	0.53	30.57	
164.50	Appurtenance(s)	2759.3	1.58	0.71	0.64	318.48	
165.00		33.06	1.59	0.74	0.65	3.92	
170.00		323.94	1.69	1.07	0.79	49.63	
175.00		311.76	1.79	1.48	0.95	59.67	
180.00	Appurtenance(s)	3497.6	1.89	1.98	1.14	816.26	
	Totals:	**38,754.0**				**1,835.6**	**Total Wind:** **31,088.9**

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

Calculated Forces

Structure:	CT02220-S-SBA	**Code:**	EIA/TIA-222-G	5/20/2021	
Site Name:	Colchester 2 CT	**Exposure:**	B		
Height:	180.00 (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	

Load Case:	1.2D + 1.0E							**Iterations**	22
Gust Response Factor	1.10			**Sds**	0.19			**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)**	0.35	**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	-50.08	-2.00	0.00	-270.45	0.00	270.45	5525.87	2762.94	13590.7	6747.00		0.00	0.00	0.049
5.00	-48.28	-1.98	0.00	-260.46	0.00	260.46	5469.54	2734.77	13218.9	6562.44		0.01	-0.01	0.049
10.00	-46.51	-1.96	0.00	-250.54	0.00	250.54	5411.85	2705.92	12848.7	6378.66		0.02	-0.02	0.048
15.00	-44.77	-1.93	0.00	-240.74	0.00	240.74	5352.80	2676.40	12480.3	6195.75		0.05	-0.03	0.047
20.00	-43.06	-1.89	0.00	-231.10	0.00	231.10	5292.39	2646.19	12113.8	6013.80		0.09	-0.04	0.047
25.00	-41.37	-1.86	0.00	-221.62	0.00	221.62	5230.62	2615.31	11749.3	5832.89		0.14	-0.05	0.046
30.00	-39.72	-1.82	0.00	-212.33	0.00	212.33	5167.50	2583.75	11387.2	5653.11		0.20	-0.06	0.045
35.00	-38.10	-1.79	0.00	-203.21	0.00	203.21	5103.02	2551.51	11027.5	5474.55		0.27	-0.07	0.045
40.00	-36.50	-1.75	0.00	-194.29	0.00	194.29	5037.18	2518.59	10670.5	5297.29		0.35	-0.08	0.044
45.00	-34.94	-1.71	0.00	-185.55	0.00	185.55	4969.98	2484.99	10316.2	5121.42		0.44	-0.10	0.043
45.92	-34.66	-1.70	0.00	-183.98	0.00	183.98	4957.51	2478.76	10251.6	5089.33		0.46	-0.10	0.043
50.00	-32.40	-1.64	0.00	-177.03	0.00	177.03	4901.42	2450.71	9964.95	4947.02		0.55	-0.11	0.042
53.00	-30.76	-1.59	0.00	-172.11	0.00	172.11	3967.43	1983.71	8109.29	4025.79		0.62	-0.11	0.051
55.00	-30.23	-1.58	0.00	-168.93	0.00	168.93	3947.58	1973.79	8001.39	3972.23		0.67	-0.12	0.050
60.00	-28.06	-1.52	0.00	-161.03	0.00	161.03	3897.00	1948.50	7732.70	3838.84		0.80	-0.13	0.049
65.00	-26.79	-1.49	0.00	-153.43	0.00	153.43	3845.06	1922.53	7465.70	3706.29		0.95	-0.15	0.048
70.00	-25.55	-1.46	0.00	-145.98	0.00	145.98	3791.77	1895.89	7200.54	3574.65		1.11	-0.16	0.048
75.00	-24.33	-1.44	0.00	-138.68	0.00	138.68	3737.12	1868.56	6937.41	3444.02		1.28	-0.17	0.047
80.00	-23.14	-1.42	0.00	-131.50	0.00	131.50	3681.11	1840.56	6676.48	3314.49		1.47	-0.19	0.046
85.00	-21.98	-1.40	0.00	-124.42	0.00	124.42	3623.74	1811.87	6417.92	3186.13		1.68	-0.20	0.045
90.00	-20.84	-1.40	0.00	-117.40	0.00	117.40	3565.02	1782.51	6161.91	3059.03		1.89	-0.22	0.044
92.92	-20.18	-1.40	0.00	-113.32	0.00	113.32	3530.13	1765.07	6013.81	2985.51		2.03	-0.22	0.044
95.00	-19.36	-1.40	0.00	-110.41	0.00	110.41	3504.93	1752.47	5908.61	2933.28		2.13	-0.23	0.043
98.92	-17.85	-1.39	0.00	-104.93	0.00	104.93	2742.07	1371.04	4616.42	2291.78		2.32	-0.24	0.052
100.00	-17.65	-1.40	0.00	-103.42	0.00	103.42	2732.96	1366.48	4575.83	2271.63		2.38	-0.25	0.052
105.00	-16.73	-1.40	0.00	-96.43	0.00	96.43	2690.08	1345.04	4389.32	2179.04		2.64	-0.26	0.050
110.00	-15.83	-1.40	0.00	-89.44	0.00	89.44	2645.83	1322.92	4204.31	2087.20		2.93	-0.28	0.049
115.00	-14.95	-1.40	0.00	-82.45	0.00	82.45	2600.23	1300.12	4020.98	1996.19		3.23	-0.30	0.047
120.00	-14.09	-1.40	0.00	-75.45	0.00	75.45	2553.28	1276.64	3839.50	1906.09		3.55	-0.31	0.045
125.00	-13.25	-1.40	0.00	-68.46	0.00	68.46	2504.96	1252.48	3660.03	1816.99		3.88	-0.33	0.043
127.09	-12.91	-1.40	0.00	-65.55	0.00	65.55	2484.39	1242.20	3585.78	1780.13		4.03	-0.34	0.042
130.00	-12.14	-1.39	0.00	-61.48	0.00	61.48	2455.29	1227.64	3482.76	1728.99		4.24	-0.35	0.041
132.34	-11.54	-1.39	0.00	-58.23	0.00	58.23	1489.26	744.63	2121.49	1053.20		4.41	-0.35	0.063
135.00	-11.22	-1.39	0.00	-54.52	0.00	54.52	1477.63	738.82	2071.36	1028.31		4.61	-0.36	0.061
140.00	-10.64	-1.39	0.00	-47.56	0.00	47.56	1454.76	727.38	1977.27	981.60		5.00	-0.38	0.056
145.00	-10.08	-1.39	0.00	-40.59	0.00	40.59	1430.53	715.26	1883.34	934.97		5.41	-0.40	0.050
150.00	-9.52	-1.37	0.00	-33.66	0.00	33.66	1404.94	702.47	1789.74	888.50		5.85	-0.42	0.045
155.00	-8.99	-1.35	0.00	-26.81	0.00	26.81	1377.99	688.99	1696.65	842.29		6.30	-0.44	0.038
160.00	-8.47	-1.32	0.00	-20.06	0.00	20.06	1349.68	674.84	1604.25	796.42		6.77	-0.45	0.031
164.50	-5.06	-0.97	0.00	-14.15	0.00	14.15	1323.05	661.52	1521.82	755.50		7.20	-0.46	0.023
165.00	-5.02	-0.97	0.00	-13.66	0.00	13.66	1320.02	660.01	1512.71	750.97		7.25	-0.46	0.022
170.00	-4.61	-0.91	0.00	-8.83	0.00	8.83	1289.00	644.50	1422.20	706.04		7.74	-0.47	0.016
175.00	-4.21	-0.85	0.00	-4.26	0.00	4.26	1256.62	628.31	1332.89	661.70		8.24	-0.48	0.010
180.00	0.00	-0.82	0.00	0.00	0.00	0.00	1222.88	611.44	1244.96	618.05		8.74	-0.48	0.000

Seismic Segment Forces (Factored)

Structure:	CT02220-S-SBA		**Code:**	EIA/TIA-222-G	5/20/2021
Site Name:	Colchester 2 CT		**Exposure:**	B	
Height:	180.00 (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

Load Case:	0.9D + 1.0E							**Iterations**	22
Gust Response Factor	1.10				**Sds**	0.19		**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)**	0.35		**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		1406.9	0.00	0.03	0.02	22.23	
10.00		1382.4	0.01	0.05	0.03	32.87	
15.00		1358.0	0.01	0.06	0.03	38.22	
20.00		1333.6	0.02	0.07	0.04	40.81	
25.00		1309.2	0.04	0.07	0.04	41.95	
30.00		1284.7	0.05	0.07	0.04	42.38	
35.00		1260.3	0.07	0.07	0.04	42.51	
40.00		1235.9	0.09	0.07	0.04	42.54	
45.00		1211.5	0.12	0.07	0.03	42.53	
45.92	Bot - Section 2	219.46	0.12	0.07	0.03	7.73	
50.00		1807.7	0.15	0.07	0.03	64.58	
53.00	Top - Section 1	1308.8	0.16	0.07	0.03	47.12	
55.00		401.39	0.18	0.07	0.03	14.50	
60.00	Appurtenance(s)	1721.9	0.21	0.06	0.02	62.07	
65.00		968.00	0.25	0.06	0.02	34.05	
70.00		947.14	0.29	0.05	0.01	31.36	
75.00		926.28	0.33	0.04	0.01	27.23	
80.00		905.41	0.37	0.03	0.01	21.42	
85.00		884.55	0.42	0.01	0.01	13.93	
90.00		863.69	0.47	-0.01	0.01	5.11	
92.92	Bot - Section 3	494.18	0.50	-0.02	0.01	-0.20	
95.00		644.51	0.53	-0.03	0.01	-3.23	
98.92	Top - Section 2	1193.6	0.57	-0.04	0.01	-16.14	
100.00		149.70	0.58	-0.05	0.01	-2.36	
105.00		680.33	0.64	-0.07	0.02	-17.04	
110.00		662.92	0.71	-0.09	0.03	-21.04	
115.00		645.50	0.77	-0.11	0.05	-22.76	
120.00		628.09	0.84	-0.12	0.07	-22.18	
125.00		610.68	0.91	-0.12	0.09	-19.47	
127.09	Bot - Section 4	249.71	0.94	-0.12	0.10	-7.35	
130.00		587.62	0.99	-0.11	0.12	-14.69	
132.34	Top - Section 3	464.04	1.02	-0.10	0.14	-9.56	
135.00		216.47	1.06	-0.09	0.17	-3.18	
140.00		397.05	1.14	-0.04	0.21	-0.40	
145.00		384.86	1.23	0.03	0.27	6.18	
150.00		372.68	1.31	0.14	0.35	13.60	
155.00		360.49	1.40	0.29	0.43	21.77	
160.00		348.31	1.49	0.48	0.53	30.57	
164.50	Appurtenance(s)	2759.3	1.58	0.71	0.64	318.48	
165.00		33.06	1.59	0.74	0.65	3.92	
170.00		323.94	1.69	1.07	0.79	49.63	
175.00		311.76	1.79	1.48	0.95	59.67	
180.00	Appurtenance(s)	3497.6	1.89	1.98	1.14	816.26	
	Totals:	**38,754.0**				**1,835.6**	**Total Wind:** **31,088.9**

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

Calculated Forces

Structure:	CT02220-S-SBA	**Code:**	EIA/TIA-222-G	5/20/2021	
Site Name:	Colchester 2 CT	**Exposure:**	B		
Height:	180.00 (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	

Load Case:	0.9D + 1.0E							**Iterations**	22
Gust Response Factor	1.10			**Sds**	0.19			**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)**	0.35	**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	-37.56	-2.00	0.00	-267.63	0.00	267.63	5525.87	2762.94	13590.7	6747.00		0.00	0.00	0.046
5.00	-36.21	-1.98	0.00	-257.64	0.00	257.64	5469.54	2734.77	13218.9	6562.44		0.01	-0.01	0.046
10.00	-34.88	-1.95	0.00	-247.73	0.00	247.73	5411.85	2705.92	12848.7	6378.66		0.02	-0.02	0.045
15.00	-33.58	-1.92	0.00	-237.96	0.00	237.96	5352.80	2676.40	12480.3	6195.75		0.05	-0.03	0.045
20.00	-32.29	-1.89	0.00	-228.35	0.00	228.35	5292.39	2646.19	12113.8	6013.80		0.09	-0.04	0.044
25.00	-31.03	-1.85	0.00	-218.93	0.00	218.93	5230.62	2615.31	11749.3	5832.89		0.13	-0.05	0.043
30.00	-29.79	-1.81	0.00	-209.68	0.00	209.68	5167.50	2583.75	11387.2	5653.11		0.19	-0.06	0.043
35.00	-28.57	-1.77	0.00	-200.63	0.00	200.63	5103.02	2551.51	11027.5	5474.55		0.26	-0.07	0.042
40.00	-27.38	-1.73	0.00	-191.77	0.00	191.77	5037.18	2518.59	10670.5	5297.29		0.35	-0.08	0.042
45.00	-26.20	-1.69	0.00	-183.10	0.00	183.10	4969.98	2484.99	10316.2	5121.42		0.44	-0.09	0.041
45.92	-25.99	-1.69	0.00	-181.55	0.00	181.55	4957.51	2478.76	10251.6	5089.33		0.46	-0.10	0.041
50.00	-24.30	-1.62	0.00	-174.67	0.00	174.67	4901.42	2450.71	9964.95	4947.02		0.55	-0.11	0.040
53.00	-23.07	-1.58	0.00	-169.80	0.00	169.80	3967.43	1983.71	8109.29	4025.79		0.61	-0.11	0.048
55.00	-22.67	-1.56	0.00	-166.65	0.00	166.65	3947.58	1973.79	8001.39	3972.23		0.66	-0.12	0.048
60.00	-21.04	-1.50	0.00	-158.83	0.00	158.83	3897.00	1948.50	7732.70	3838.84		0.79	-0.13	0.047
65.00	-20.09	-1.47	0.00	-151.32	0.00	151.32	3845.06	1922.53	7465.70	3706.29		0.94	-0.14	0.046
70.00	-19.16	-1.44	0.00	-143.97	0.00	143.97	3791.77	1895.89	7200.54	3574.65		1.10	-0.16	0.045
75.00	-18.25	-1.42	0.00	-136.76	0.00	136.76	3737.12	1868.56	6937.41	3444.02		1.27	-0.17	0.045
80.00	-17.36	-1.40	0.00	-129.68	0.00	129.68	3681.11	1840.56	6676.48	3314.49		1.45	-0.18	0.044
85.00	-16.48	-1.38	0.00	-122.70	0.00	122.70	3623.74	1811.87	6417.92	3186.13		1.65	-0.20	0.043
90.00	-15.63	-1.38	0.00	-115.79	0.00	115.79	3565.02	1782.51	6161.91	3059.03		1.87	-0.21	0.042
92.92	-15.13	-1.38	0.00	-111.77	0.00	111.77	3530.13	1765.07	6013.81	2985.51		2.00	-0.22	0.042
95.00	-14.52	-1.38	0.00	-108.89	0.00	108.89	3504.93	1752.47	5908.61	2933.28		2.10	-0.23	0.041
98.92	-13.39	-1.38	0.00	-103.50	0.00	103.50	2742.07	1371.04	4616.42	2291.78		2.29	-0.24	0.050
100.00	-13.23	-1.38	0.00	-102.01	0.00	102.01	2732.96	1366.48	4575.83	2271.63		2.35	-0.24	0.050
105.00	-12.54	-1.38	0.00	-95.12	0.00	95.12	2690.08	1345.04	4389.32	2179.04		2.61	-0.26	0.048
110.00	-11.87	-1.38	0.00	-88.23	0.00	88.23	2645.83	1322.92	4204.31	2087.20		2.89	-0.28	0.047
115.00	-11.21	-1.38	0.00	-81.34	0.00	81.34	2600.23	1300.12	4020.98	1996.19		3.19	-0.29	0.045
120.00	-10.57	-1.38	0.00	-74.46	0.00	74.46	2553.28	1276.64	3839.50	1906.09		3.50	-0.31	0.043
125.00	-9.94	-1.38	0.00	-67.57	0.00	67.57	2504.96	1252.48	3660.03	1816.99		3.83	-0.33	0.041
127.09	-9.68	-1.38	0.00	-64.69	0.00	64.69	2484.39	1242.20	3585.78	1780.13		3.98	-0.33	0.040
130.00	-9.11	-1.37	0.00	-60.69	0.00	60.69	2455.29	1227.64	3482.76	1728.99		4.18	-0.34	0.039
132.34	-8.65	-1.37	0.00	-57.47	0.00	57.47	1489.26	744.63	2121.49	1053.20		4.35	-0.35	0.060
135.00	-8.42	-1.37	0.00	-53.82	0.00	53.82	1477.63	738.82	2071.36	1028.31		4.55	-0.36	0.058
140.00	-7.98	-1.37	0.00	-46.95	0.00	46.95	1454.76	727.38	1977.27	981.60		4.94	-0.38	0.053
145.00	-7.55	-1.37	0.00	-40.08	0.00	40.08	1430.53	715.26	1883.34	934.97		5.35	-0.40	0.048
150.00	-7.14	-1.35	0.00	-33.25	0.00	33.25	1404.94	702.47	1789.74	888.50		5.77	-0.42	0.043
155.00	-6.74	-1.33	0.00	-26.48	0.00	26.48	1377.99	688.99	1696.65	842.29		6.22	-0.43	0.036
160.00	-6.35	-1.30	0.00	-19.83	0.00	19.83	1349.68	674.84	1604.25	796.42		6.68	-0.45	0.030
164.50	-3.80	-0.96	0.00	-13.99	0.00	13.99	1323.05	661.52	1521.82	755.50		7.11	-0.46	0.021
165.00	-3.76	-0.96	0.00	-13.51	0.00	13.51	1320.02	660.01	1512.71	750.97		7.16	-0.46	0.021
170.00	-3.46	-0.90	0.00	-8.73	0.00	8.73	1289.00	644.50	1422.20	706.04		7.64	-0.47	0.015
175.00	-3.16	-0.84	0.00	-4.21	0.00	4.21	1256.62	628.31	1332.89	661.70		8.13	-0.47	0.009
180.00	0.00	-0.82	0.00	0.00	0.00	0.00	1222.88	611.44	1244.96	618.05		8.63	-0.47	0.000

Wind Loading - Shaft

Structure:	CT02220-S-SBA	**Code:**	EIA/TIA-222-G	5/20/2021	
Site Name:	Colchester 2 CT	**Exposure:**	B		
Height:	180.00 (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	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 23

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	0.70	6.129	6.74	255.92	0.750	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	6.129	6.74	251.54	0.750	0.000	5.00	25.272	18.95	127.8	0.0	1406.9
10.00		1.00	0.70	6.129	6.74	247.17	0.750	0.000	5.00	24.837	18.63	125.6	0.0	1382.5
15.00		1.00	0.70	6.129	6.74	242.80	0.750	0.000	5.00	24.401	18.30	123.4	0.0	1358.1
20.00		1.00	0.70	6.129	6.74	238.43	0.750	0.000	5.00	23.966	17.97	121.2	0.0	1333.6
25.00		1.00	0.70	6.129	6.74	234.05	0.750	0.000	5.00	23.530	17.65	119.0	0.0	1309.2
30.00		1.00	0.70	6.134	6.75	229.78	0.750	0.000	5.00	23.095	17.32	116.9	0.0	1284.8
35.00		1.00	0.73	6.410	7.05	230.42	0.750	0.000	5.00	22.659	16.99	119.8	0.0	1260.4
40.00		1.00	0.76	6.659	7.33	230.30	0.750	0.000	5.00	22.224	16.67	122.1	0.0	1235.9
45.00		1.00	0.79	6.887	7.58	229.58	0.750	0.000	5.00	21.788	16.34	123.8	0.0	1211.5
45.92	Bot - Section 2	1.00	0.79	6.927	7.62	229.39	0.750	0.000	0.92	3.947	2.96	22.6	0.0	219.5
50.00		1.00	0.81	7.098	7.81	228.35	0.750	0.000	4.08	17.666	13.25	103.4	0.0	1807.7
53.00	Top - Section 1	1.00	0.82	7.217	7.94	227.41	0.750	0.000	3.00	12.794	9.60	76.2	0.0	1308.9
55.00		1.00	0.83	7.294	8.02	230.20	0.750	0.000	2.00	8.442	6.33	50.8	0.0	401.4
60.00	Appurtenance(s)	1.00	0.85	7.477	8.22	228.25	0.750	0.000	5.00	20.800	15.60	128.3	0.0	988.9
65.00		1.00	0.87	7.650	8.42	225.99	0.750	0.000	5.00	20.365	15.27	128.5	0.0	968.0
70.00		1.00	0.89	7.814	8.60	223.46	0.750	0.000	5.00	19.929	14.95	128.5	0.0	947.1
75.00		1.00	0.91	7.969	8.77	220.69	0.750	0.000	5.00	19.494	14.62	128.2	0.0	926.3
80.00		1.00	0.93	8.118	8.93	217.70	0.750	0.000	5.00	19.058	14.29	127.6	0.0	905.4
85.00		1.00	0.94	8.260	9.09	214.52	0.750	0.000	5.00	18.623	13.97	126.9	0.0	884.5
90.00		1.00	0.96	8.396	9.24	211.16	0.750	0.000	5.00	18.187	13.64	126.0	0.0	863.7
92.92	Bot - Section 3	1.00	0.97	8.472	9.32	209.12	0.750	0.000	2.92	10.408	7.81	72.8	0.0	494.2
95.00		1.00	0.97	8.526	9.38	207.64	0.750	0.000	2.08	7.454	5.59	52.4	0.0	644.5
98.92	Top - Section 2	1.00	0.99	8.625	9.49	204.78	0.750	0.000	3.92	13.810	10.36	98.3	0.0	1193.7
100.00		1.00	0.99	8.652	9.52	207.14	0.750	0.000	1.08	3.773	2.83	26.9	0.0	149.7
105.00		1.00	1.00	8.774	9.65	203.36	0.750	0.000	5.00	17.147	12.86	124.1	0.0	680.3
110.00		1.00	1.02	8.891	9.78	199.45	0.750	0.000	5.00	16.711	12.53	122.6	0.0	662.9
115.00		1.00	1.03	9.005	9.91	195.42	0.750	0.000	5.00	16.276	12.21	120.9	0.0	645.5
120.00		1.00	1.04	9.115	10.03	191.28	0.750	0.000	5.00	15.840	11.88	119.1	0.0	628.1
125.00		1.00	1.05	9.222	10.14	187.04	0.750	0.000	5.00	15.405	11.55	117.2	0.0	610.7
127.09	Bot - Section 4	1.00	1.06	9.265	10.19	185.23	0.750	0.000	2.09	6.300	4.73	48.2	0.0	249.7
130.00		1.00	1.07	9.326	10.26	182.69	0.750	0.000	2.91	8.777	6.58	67.5	0.0	587.6
132.34	Top - Section 3	1.00	1.07	9.373	10.31	180.63	0.750	0.000	2.34	6.933	5.20	53.6	0.0	464.0
135.00		1.00	1.08	9.427	10.37	180.57	0.750	0.000	2.66	7.787	5.84	60.6	0.0	216.5
140.00		1.00	1.09	9.525	10.48	176.06	0.750	0.000	5.00	14.284	10.71	112.3	0.0	397.0
145.00		1.00	1.10	9.621	10.58	171.47	0.750	0.000	5.00	13.849	10.39	109.9	0.0	384.9
150.00		1.00	1.11	9.715	10.69	166.80	0.750	0.000	5.00	13.413	10.06	107.5	0.0	372.7
155.00		1.00	1.12	9.806	10.79	162.05	0.750	0.000	5.00	12.978	9.73	105.0	0.0	360.5
160.00		1.00	1.13	9.896	10.89	157.23	0.750	0.000	5.00	12.542	9.41	102.4	0.0	348.3
164.50	Appurtenance(s)	1.00	1.14	9.974	10.97	152.84	0.750	0.000	4.50	10.916	8.19	89.8	0.0	303.1
165.00		1.00	1.14	9.983	10.98	152.34	0.750	0.000	0.50	1.191	0.89	9.8	0.0	33.1
170.00		1.00	1.15	10.069	11.08	147.39	0.750	0.000	5.00	11.671	8.75	96.9	0.0	323.9
175.00		1.00	1.16	10.152	11.17	142.37	0.750	0.000	5.00	11.236	8.43	94.1	0.0	311.8
180.00	Appurtenance(s)	1.00	1.17	10.234	11.26	137.30	0.750	0.000	5.00	10.800	8.10	91.2	0.0	299.6
								Totals:	**180.00**			**4,249.5**		**32,366.5**

Discrete Appurtenance Forces

Structure:	CT02220-S-SBA	**Code:**	EIA/TIA-222-G	5/20/2021	
Site Name:	Colchester 2 CT	**Exposure:**	B		
Height:	180.00 (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	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 23

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	180.00	ALU TD-RRH8x20-25	3	10.234	11.258	0.50	0.75	6.11	210.00	0.000	0.000	68.73	0.00	0.00
2	180.00	APXVTM14-C-I20	3	10.234	11.258	0.58	0.75	10.98	168.60	0.000	0.000	123.66	0.00	0.00
3	180.00	ALU 1900 Mhz RRUs	3	10.234	11.258	0.50	0.75	5.73	132.00	0.000	0.000	64.49	0.00	0.00
4	180.00	ALU 800 Mhz RRUs	6	10.234	11.258	0.50	0.75	7.51	318.00	0.000	0.000	84.52	0.00	0.00
5	180.00	NNVV-65B-R4	3	10.234	11.258	0.55	0.75	20.43	232.20	0.000	0.000	229.99	0.00	0.00
6	180.00	Low Profile Platform	1	10.234	11.258	1.00	1.00	25.00	1200.00	0.000	0.000	281.44	0.00	0.00
7	180.00	HRK14	1	10.234	11.258	1.00	1.00	8.13	302.36	0.000	0.000	91.53	0.00	0.00
8	180.00	PRK-SFS	1	10.234	11.258	1.00	1.00	13.00	170.00	0.000	0.000	146.35	0.00	0.00
9	180.00	PRK-1245L	1	10.234	11.258	1.00	1.00	11.84	464.91	0.000	0.000	133.29	0.00	0.00
10	164.50	Bracing	1	9.974	10.972	1.00	1.00	20.00	500.00	0.000	0.000	219.44	0.00	0.00
11	164.50	Kathrein 782 11056 Bias	3	9.974	10.972	0.65	0.75	0.25	15.90	0.000	0.000	2.79	0.00	0.00
12	164.50	Ericsson Radio 4449	3	9.974	10.972	0.50	0.75	2.49	210.00	0.000	0.000	27.29	0.00	0.00
13	164.50	Ericsson KRY 112 144/2	3	9.974	10.972	0.62	0.75	1.20	46.20	0.000	0.000	13.11	0.00	0.00
14	164.50	Ericsson KRY 112 489/2	3	9.974	10.972	0.62	0.75	1.20	46.20	0.000	0.000	13.11	0.00	0.00
15	164.50	APXVAARR24_43-U-NA2	3	9.974	10.972	0.52	0.75	31.88	384.00	0.000	0.000	349.76	0.00	0.00
16	164.50	RR90-17-82DP	3	9.974	10.972	0.51	0.75	6.67	54.00	0.000	0.000	73.19	0.00	0.00
17	164.50	Low Profile Platform	1	9.974	10.972	1.00	1.00	25.00	1200.00	0.000	0.000	274.30	0.00	0.00
18	60.00	3 ft Standoff	3	7.477	8.225	1.00	1.00	16.89	120.00	0.000	0.000	138.92	0.00	0.00
19	60.00	Collar Mount	1	7.477	8.225	1.00	1.00	2.50	150.60	0.000	0.000	20.56	0.00	0.00
20	60.00	B2/B66A RRH-BR049	2	7.477	8.225	1.00	1.00	3.74	140.60	0.000	0.000	30.76	0.00	0.00
21	60.00	VZS01	2	7.477	8.225	1.00	1.00	8.60	174.20	0.000	0.000	70.73	0.00	0.00
22	60.00	NNH4-65A-R4	2	7.477	8.225	1.00	1.00	18.20	147.72	0.000	0.000	149.69	0.00	0.00
							Totals:		**6,387.49**			**2,607.66**		

Total Applied Force Summary

Structure:	CT02220-S-SBA		**Code:**	EIA/TIA-222-G	5/20/2021
Site Name:	Colchester 2 CT		**Exposure:**	B	
Height:	180.00 (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

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 23

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		127.78	1499.09	0.00	0.00
10.00		125.58	1474.67	0.00	0.00
15.00		123.37	1450.24	0.00	0.00
20.00		121.17	1425.82	0.00	0.00
25.00		118.97	1401.39	0.00	0.00
30.00		116.87	1376.97	0.00	0.00
35.00		119.83	1352.54	0.00	0.00
40.00		122.09	1328.12	0.00	0.00
45.00		123.80	1303.70	0.00	0.00
45.92		22.56	236.36	0.00	0.00
50.00		103.44	1883.00	0.00	0.00
53.00		76.17	1364.18	0.00	0.00
55.00		50.80	438.26	0.00	0.00
60.00	(10) attachments	538.98	1814.17	0.00	0.00
65.00		128.53	1054.68	0.00	0.00
70.00		128.47	1033.82	0.00	0.00
75.00		128.17	1012.96	0.00	0.00
80.00		127.64	992.09	0.00	0.00
85.00		126.90	971.23	0.00	0.00
90.00		125.97	950.37	0.00	0.00
92.92		72.75	544.74	0.00	0.00
95.00		52.44	680.62	0.00	0.00
98.92		98.27	1261.58	0.00	0.00
100.00		26.93	168.48	0.00	0.00
105.00		124.11	767.01	0.00	0.00
110.00		122.58	749.60	0.00	0.00
115.00		120.91	732.18	0.00	0.00
120.00		119.11	714.77	0.00	0.00
125.00		117.20	697.36	0.00	0.00
127.09		48.16	285.88	0.00	0.00
130.00		67.53	638.13	0.00	0.00
132.34		53.61	504.55	0.00	0.00
135.00		60.56	262.64	0.00	0.00
140.00		112.25	483.73	0.00	0.00
145.00		109.92	471.54	0.00	0.00
150.00		107.50	459.36	0.00	0.00
155.00		104.99	447.17	0.00	0.00
160.00		102.39	434.99	0.00	0.00
164.50	(20) attachments	1062.82	2837.37	0.00	0.00
165.00		9.81	34.97	0.00	0.00
170.00		96.95	343.02	0.00	0.00
175.00		94.11	330.84	0.00	0.00
180.00	(22) attachments	1315.19	3516.72	0.00	0.00
	Totals:	**6,857.17**	**41,730.94**	**0.00**	**0.00**

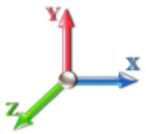
Calculated Forces

Structure:	CT02220-S-SBA	**Code:**	EIA/TIA-222-G	5/20/2021	
Site Name:	Colchester 2 CT	**Exposure:**	B		
Height:	180.00 (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 23

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	-41.73	-6.87	0.00	-806.45	0.00	806.45	5525.87	2762.94	13590.7	6747.00	0.00	0.000	0.000	0.127
5.00	-40.23	-6.76	0.00	-772.11	0.00	772.11	5469.54	2734.77	13218.9	6562.44	0.02	-0.030	0.000	0.125
10.00	-38.75	-6.65	0.00	-738.31	0.00	738.31	5411.85	2705.92	12848.7	6378.66	0.06	-0.060	0.000	0.123
15.00	-37.29	-6.55	0.00	-705.04	0.00	705.04	5352.80	2676.40	12480.3	6195.75	0.14	-0.091	0.000	0.121
20.00	-35.87	-6.44	0.00	-672.30	0.00	672.30	5292.39	2646.19	12113.8	6013.80	0.26	-0.122	0.000	0.119
25.00	-34.46	-6.34	0.00	-640.08	0.00	640.08	5230.62	2615.31	11749.3	5832.89	0.40	-0.152	0.000	0.116
30.00	-33.08	-6.24	0.00	-608.38	0.00	608.38	5167.50	2583.75	11387.2	5653.11	0.58	-0.184	0.000	0.114
35.00	-31.73	-6.13	0.00	-577.19	0.00	577.19	5103.02	2551.51	11027.5	5474.55	0.78	-0.215	0.000	0.112
40.00	-30.39	-6.02	0.00	-546.54	0.00	546.54	5037.18	2518.59	10670.5	5297.29	1.03	-0.246	0.000	0.109
45.00	-29.09	-5.90	0.00	-516.44	0.00	516.44	4969.98	2484.99	10316.2	5121.42	1.30	-0.278	0.000	0.107
45.92	-28.85	-5.88	0.00	-511.03	0.00	511.03	4957.51	2478.76	10251.6	5089.33	1.36	-0.284	0.000	0.106
50.00	-26.97	-5.78	0.00	-487.01	0.00	487.01	4901.42	2450.71	9964.95	4947.02	1.61	-0.310	0.000	0.104
53.00	-25.60	-5.70	0.00	-469.66	0.00	469.66	3967.43	1983.71	8109.29	4025.79	1.81	-0.329	0.000	0.123
55.00	-25.16	-5.66	0.00	-458.25	0.00	458.25	3947.58	1973.79	8001.39	3972.23	1.95	-0.342	0.000	0.122
60.00	-23.35	-5.13	0.00	-429.95	0.00	429.95	3897.00	1948.50	7732.70	3838.84	2.33	-0.377	0.000	0.118
65.00	-22.29	-5.00	0.00	-404.32	0.00	404.32	3845.06	1922.53	7465.70	3706.29	2.74	-0.413	0.000	0.115
70.00	-21.25	-4.88	0.00	-379.30	0.00	379.30	3791.77	1895.89	7200.54	3574.65	3.19	-0.448	0.000	0.112
75.00	-20.24	-4.76	0.00	-354.89	0.00	354.89	3737.12	1868.56	6937.41	3444.02	3.68	-0.483	0.000	0.108
80.00	-19.25	-4.63	0.00	-331.11	0.00	331.11	3681.11	1840.56	6676.48	3314.49	4.21	-0.519	0.000	0.105
85.00	-18.27	-4.51	0.00	-307.95	0.00	307.95	3623.74	1811.87	6417.92	3186.13	4.77	-0.554	0.000	0.102
90.00	-17.32	-4.38	0.00	-285.41	0.00	285.41	3565.02	1782.51	6161.91	3059.03	5.37	-0.590	0.000	0.098
92.92	-16.78	-4.31	0.00	-272.63	0.00	272.63	3530.13	1765.07	6013.81	2985.51	5.74	-0.610	0.000	0.096
95.00	-16.10	-4.25	0.00	-263.66	0.00	263.66	3504.93	1752.47	5908.61	2933.28	6.01	-0.625	0.000	0.094
98.92	-14.83	-4.15	0.00	-247.00	0.00	247.00	2742.07	1371.04	4616.42	2291.78	6.53	-0.653	0.000	0.113
100.00	-14.66	-4.12	0.00	-242.50	0.00	242.50	2732.96	1366.48	4575.83	2271.63	6.68	-0.660	0.000	0.112
105.00	-13.90	-4.00	0.00	-221.89	0.00	221.89	2690.08	1345.04	4389.32	2179.04	7.39	-0.700	0.000	0.107
110.00	-13.15	-3.88	0.00	-201.89	0.00	201.89	2645.83	1322.92	4204.31	2087.20	8.15	-0.738	0.000	0.102
115.00	-12.41	-3.75	0.00	-182.51	0.00	182.51	2600.23	1300.12	4020.98	1996.19	8.94	-0.776	0.000	0.096
120.00	-11.70	-3.63	0.00	-163.74	0.00	163.74	2553.28	1276.64	3839.50	1906.09	9.77	-0.813	0.000	0.090
125.00	-11.00	-3.51	0.00	-145.58	0.00	145.58	2504.96	1252.48	3660.03	1816.99	10.64	-0.849	0.000	0.085
127.09	-10.71	-3.46	0.00	-138.25	0.00	138.25	2484.39	1242.20	3585.78	1780.13	11.02	-0.864	0.000	0.082
130.00	-10.08	-3.39	0.00	-128.17	0.00	128.17	2455.29	1227.64	3482.76	1728.99	11.55	-0.885	0.000	0.078
132.34	-9.57	-3.33	0.00	-120.26	0.00	120.26	1489.26	744.63	2121.49	1053.20	11.99	-0.901	0.000	0.121
135.00	-9.31	-3.27	0.00	-111.39	0.00	111.39	1477.63	738.82	2071.36	1028.31	12.50	-0.919	0.000	0.115
140.00	-8.82	-3.15	0.00	-95.05	0.00	95.05	1454.76	727.38	1977.27	981.60	13.48	-0.961	0.000	0.103
145.00	-8.35	-3.04	0.00	-79.28	0.00	79.28	1430.53	715.26	1883.34	934.97	14.51	-1.001	0.000	0.091
150.00	-7.89	-2.93	0.00	-64.06	0.00	64.06	1404.94	702.47	1789.74	888.50	15.58	-1.036	0.000	0.078
155.00	-7.45	-2.82	0.00	-49.41	0.00	49.41	1377.99	688.99	1696.65	842.29	16.68	-1.068	0.000	0.064
160.00	-7.01	-2.71	0.00	-35.30	0.00	35.30	1349.68	674.84	1604.25	796.42	17.82	-1.093	0.000	0.050
164.50	-4.20	-1.60	0.00	-23.08	0.00	23.08	1323.05	661.52	1521.82	755.50	18.85	-1.111	0.000	0.034
165.00	-4.16	-1.59	0.00	-22.29	0.00	22.29	1320.02	660.01	1512.71	750.97	18.97	-1.113	0.000	0.033
170.00	-3.82	-1.48	0.00	-14.35	0.00	14.35	1289.00	644.50	1422.20	706.04	20.14	-1.127	0.000	0.023
175.00	-3.49	-1.38	0.00	-6.92	0.00	6.92	1256.62	628.31	1332.89	661.70	21.33	-1.136	0.000	0.013
180.00	0.00	-1.32	0.00	0.00	0.00	0.00	1222.88	611.44	1244.96	618.05	22.52	-1.139	0.000	0.000

Final Analysis Summary

Structure:	CT02220-S-SBA	**Code:**	EIA/TIA-222-G	5/20/2021	
Site Name:	Colchester 2 CT	**Exposure:**	B		
Height:	180.00 (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	31.1	0.00	50.04	0.00	0.00	3676.32
0.9D + 1.6W 101 mph Wind	31.1	0.00	37.52	0.00	0.00	3641.77
1.2D + 1.0Di + 1.0Wi 50 mph Wind	8.0	0.00	73.85	0.00	0.00	960.29
1.2D + 1.0E	2.0	0.00	50.08	0.00	0.00	270.45
0.9D + 1.0E	2.0	0.00	37.56	0.00	0.00	267.63
1.0D + 1.0W 60 mph Wind	6.9	0.00	41.73	0.00	0.00	806.45

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	-50.04	-31.15	0.00	-3676.3	0.00	-3676.3	5525.87	2762.9	13590.7	6747.00	0.00	0.554
0.9D + 1.6W 101 mph Wind	-37.52	-31.13	0.00	-3641.7	0.00	-3641.7	5525.87	2762.9	13590.7	6747.00	0.00	0.547
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-73.85	-8.02	0.00	-960.29	0.00	-960.29	5525.87	2762.9	13590.7	6747.00	0.00	0.156
1.2D + 1.0E	-11.54	-1.39	0.00	-58.23	0.00	-58.23	1489.26	744.63	2121.49	1053.20	132.34	0.063
0.9D + 1.0E	-8.65	-1.37	0.00	-57.47	0.00	-57.47	1489.26	744.63	2121.49	1053.20	132.34	0.060
1.0D + 1.0W 60 mph Wind	-41.73	-6.87	0.00	-806.45	0.00	-806.45	5525.87	2762.9	13590.7	6747.00	0.00	0.127

Base Plate Summary

Structure:	CT02220-S-SB		**Code:**	EIA/TIA-222-G	5/20/2021
Site Name:	Colchester 2 CT		**Exposure:**	B	
Height:	180.00 (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):	5045.00
Axial (kip):	56.10
Shear (kip):	39.50
Analysis (1.2D + 1.6W)	
Moment (kip-ft):	3676.32
Axial (kip):	50.04
Shear (kip):	31.15

Base Plate	
Yield (ksi):	60.00
Width (in):	74.62
Style:	Polygon
Polygon Sides:	16.00
Clip Length (in):	0.00
Effective Len (in):	13.76
Moment (kip-in):	570.10
Allow Stress (ksi):	81.00
Applied Stress (ksi):	33.21
Stress Ratio:	0.41

Anchor Bolts	
Bolt Circle:	68.62
Number Bolts:	20.00
Bolt Type:	2.25" 18J
Bolt Diameter (in):	2.25
Yield (ksi):	75.00
Ultimate (ksi):	100.00
Arrangement:	Radial
Cluster Dist (in):	0.00
Start Angle (deg):	0.00
Compression	
Force (kip):	132.27
Allowable (kip):	260.00
Ratio:	0.52
Tension	
Force (kip):	124.89
Allowable (kip):	260.00
Ratio:	0.49

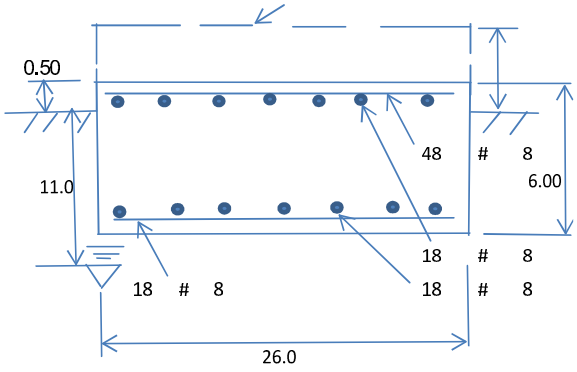
Monopole Mat Foundation Design

			Date: 5/23/2018
Customer Name:	SBA Communcations Corp	**EIA/TIA Standard:**	EIA-222-G
Site Name:	Colchester 2 CT	**Structure Height (Ft.):**	180
Site Number:	CT02220-S-SBA	**Engineer Name:**	T. Alajaj
Engr. Number:	107672	**Manager Login Req'd:**	

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

Analysis or Design? Analysis

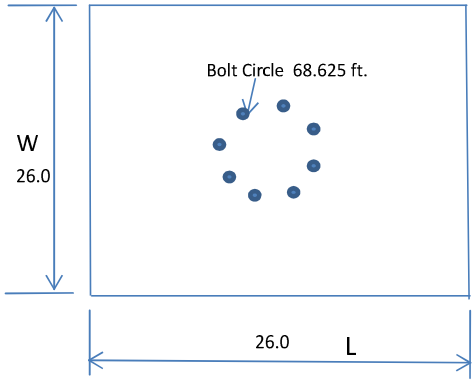


Base Reactions (Factored):

Axial Load (Kips):	50.0	Shear Force (Kips):	31.1
Uplift Force (Kips):	0.0	Moment (Kips-ft):	3676.3
Allowable overstress %:	5.0%		

Foundation Geometries:

		Mods required -Yes/No ?:	No
Anchor Bolt Circle (ft.):	68.63	Depth of Base BG (ft.):	5.50
Thickness of Pad (ft):	6.00		
Length of Pad (ft.):	26	Width of Pad (ft.):	26
Final Length of pad (ft)	26.0	Final width of pad (ft):	26.0



Material Properties and Reabr Info:

Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Pad Rebar Yield (Ksi):	60	Tie Spacing (in):	8.0	
Pad Steel Rebar Size (#):	8			
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	48	Qty. of Rebar in Pad (W):	48	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	18	Qty. of Rebar in Pad (W):	18	
Apply 1.35 factor for e/w Per G:	1.35			

Soil Design Parameters:

Water Table B.G.S. (ft):	11.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	25000	Ultimate Skin Friction:	0	Psf	Angle from Bottm of Pad:	25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	No		Angle from Bottm of Pad:	25
Consider soil hor. resist. for OTM.:	No	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.):	0.00	Total Dry Soil Weight (Kips):	0.00
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	0.00	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	4056.00	Total Dry Concrete Weight (Kips):	608.40
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	608.40	Total Vertical Load on Base (Kips):	658.44

Check Soil Capacities:

				Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	2869	<	Allowable Factored Soil Bearing (psf): 18750	0.15	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	7768.8	>	Design Factored Momont (kips-ft): 3865	0.50	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	2.01	OK!			

Check the capacities of Reinforceing Concrete:

Strength reduction factor (Flexure and axial tension):	0.90		Strength reduction factor (Shear):	
Strength reduction factor (Axial compresion):	0.65		Wind Load Factor on Concrete Design:	

Concrete Pad:

One-Way Design Shear Capacity (L-Direction, Kips):			One-Way Factored Shear (L-D. Kips):	
One-Way Design Shear Capacity (W-Direction, Kips):			One-Way Factored Shear (W-D., Kips	
One-Way Design Shear Capacity (Corner-Corner. Kips):			One-Way Factored Shear (C-C, Kips):	750.8
Lower Steel Pad Reinforcement Ratio (L-Direct.):			Lower Steel Pad Reinf. Ratio (W-Direc	
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):			Moment at Bottom (L-Direct. K-Ft):	
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	11444.8	>	Moment at Bottom (W-Direct. K-Ft):	
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):			Moment at Bottom (C-C Dir. K-Ft):	
Upper Steel Pad Reinforcement Ratio (L-Direct.):			Upper Steel Reinf. Ratio (W-Direct.):	0.0007
Upper Steel Pad Moment Capacity (L-Direction. Kips-ft):			Moment at the top (L-Dir Kips-Ft):	
Upper Steel Pad Moment Capacity (W-Direction. Kips-ft):			Moment at the top (W-Dir Kips-Ft):	832.5
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):			Moment at the top (C-C Direc. K-Ft):	-632.0

Tower Engineering Solutions, LLC

June 14, 2021

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

Re: Verizon Wireless antenna Model Clarification for CT Siting Council

Dear Mr. Leone,

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

The antenna naming convention "Licensed Sub-6, L-Sub6, nL-Sub6, VZS01" and any other slight variants refer to the 64T64RMMU, Model Code: MT6407-77A manufactured by Samsung Electronics. These names are interchangeable and are used in various documents, including but not limited to the "Structural Analysis".

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

Sincerely,
Tower Engineering Solutions, LLC

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

Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
(856) 797-0412
peter.albano@colliersengineering.com

Replacement Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10045191
Maser Consulting Connecticut Project #: 21777293A

June 18, 2021

Site Information	*Site ID:*	*467583-VZW / COLCHESTER 3 CT - A*
	Site Name:	*COLCHESTER 3 CT - A*
	Carrier Name:	*Verizon Wireless*
	Address:	*31 Chestnut Hill RD* *Colchester, Connecticut 06415* *New London County*
	Latitude:	*41.571500°*
	Longitude:	*-72.302528°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*14.50-Ft Platform*

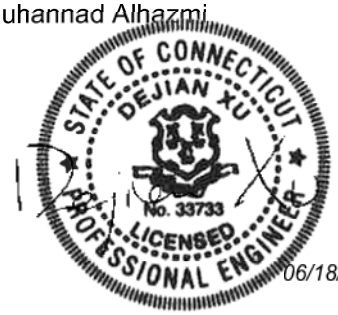
FUZE ID # 16272153

Analysis Results

Platform: **31.7% 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: Almuhannad Alhazmi



06/18/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 5007761, dated February 23, 2021*
Mount Specification	*Site Pro 1, P/N: RMVP-496*
Mount Specification	*Site Pro 1, P/N: HRK14*
Mount Specification	*Site Pro 1, P/N: SQCX4-K*
Mount Mapping Report	*Roaming Networks Inc., Site ID: 467583, dated April 12, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust),	122 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.981
Seismic Parameters:	S_S:	0.204
	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 mounts:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
			Commscope		Added
			Ericsson		
			Samsung		
			Raycap		Retained

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

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

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.

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal		Pass
Face Horizontal		Pass
Platform Crossmember		Pass
Corner Plate		Pass
Grating Support		Pass
Cross Arm Plate		Pass
Support Rail		Pass
Mount Pipe		Pass
Support Rail Connection		Pass
Mount Connection		Pass

Structure Rating – *(Controlling Utilization of all Components)*	**31.7%**

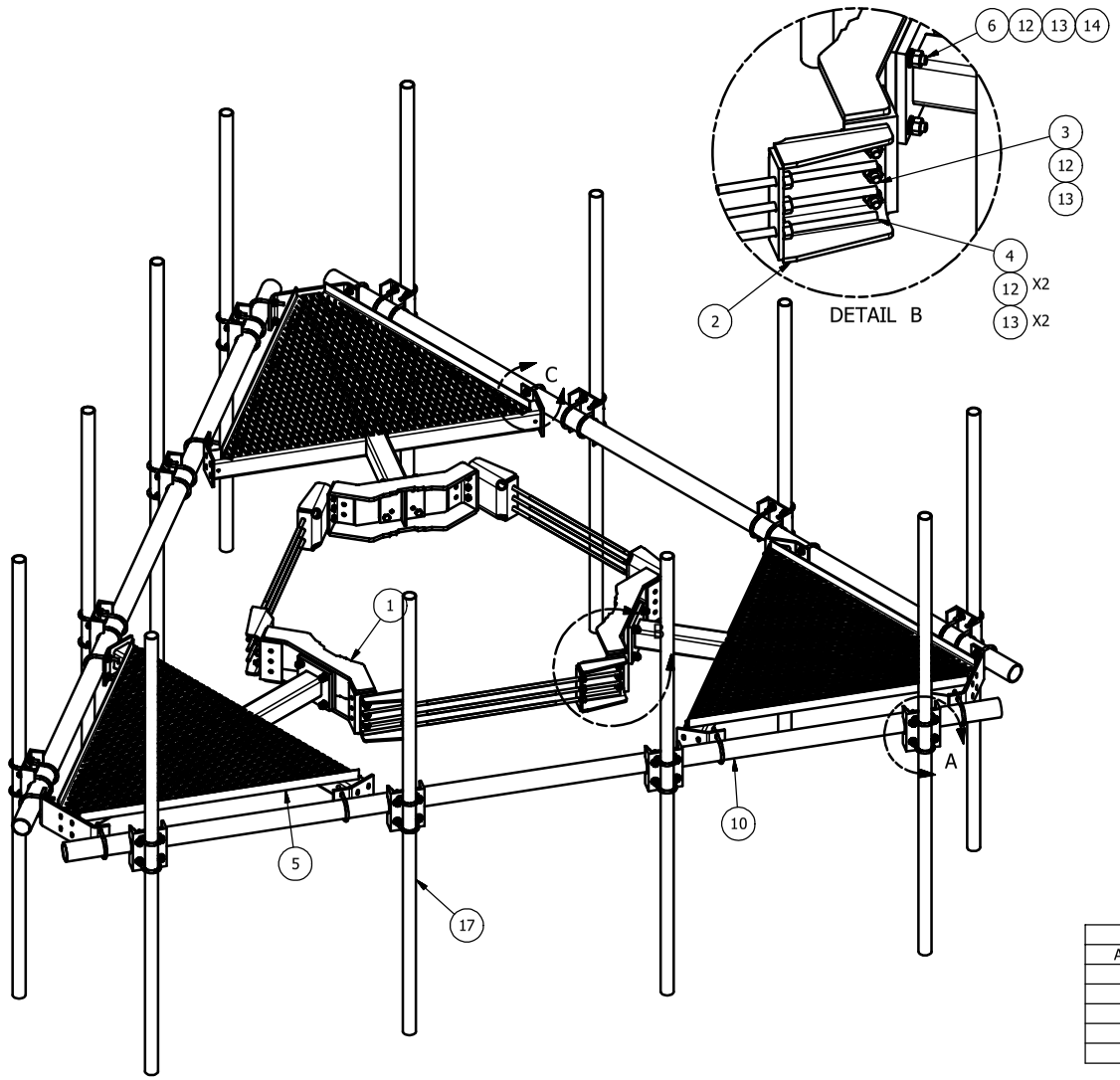
Recommendation:

The proposed antenna mount is **SUFFICIENT** for the final loading configuration and do not require modifications.

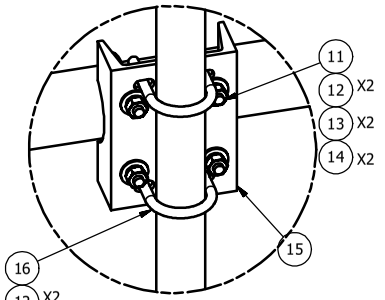
ANSI/ASSP rigging plan review services compliant with the requirements of ANSI/TIA 322 are available for a Construction Class IV site or other, if required. Separate review fees will apply.

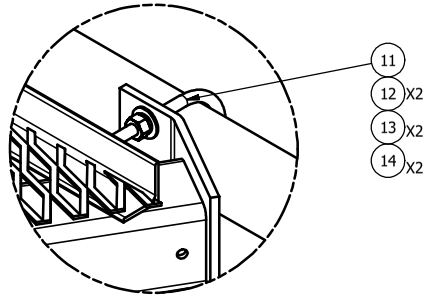
Attachments:

Mount Specification
Analysis Calculations
Contractor Required Post Installation Inspection (PMI) Report Deliverables
Antenna Placement Diagrams
TIA Adoption and Wind Speed usage letter.



PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	3	X-LWRM	RING MOUNT WELDMENT		68.81	206.42
2	6	X-178627	BENT EXTENSION BRACKET		15.80	94.79
3	18	A5802	5/8" x 2" HDG A325 HEX BOLT		0.27	4.89
4	9	G58R-48	5/8" x 48" THREADED ROD (HDG.)		0.40	3.59
4	9	G58R-24	5/8" x 24" THREADED ROD (HDG.)		0.40	3.59
5	3	X-SV196	LOW PROFILE PLATFORM CORNER		212.10	636.31
6	12	A58234	5/8" x 2-3/4" HDG A325 HEX BOLT	2.75	0.36	4.27
7	30	A58FW	5/8" HDG A325 FLATWASHER		0.03	1.02
8	30	G58LW	5/8" HDG LOCKWASHER		0.03	0.78
9	48	A58NUT	5/8" HDG A325 HEX NUT		0.13	6.23
10	3	P3174	3-1/2" X 174" SCH 40 GALVANIZED PIPE	174.000 in	109.97	329.90
11	36	X-UB1306	1/2" X 3-5/8" X 6" X 3" U-BOLT (HDG.)		0.26	9.25
12	120	G12FW	1/2" HDG USS FLATWASHER		0.03	4.09
13	120	G12LW	1/2" HDG LOCKWASHER		0.01	1.67
14	120	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	8.60
15	12	X-SP219	SMALL SUPPORT CROSS PLATE	8.250 in	8.61	103.33
16	24	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.26	6.17
17	12	B	ANTENNA MOUNTING PIPE	C	D	E





2-3/8" O.D. VERTICAL MOUNTING PIPES					
ASSEMBLY NO. "A"	PART NO. "B"	LENGTH, "C"	UNIT WEIGHT, "D"	NET WEIGHT, "E"	TOTAL WEIGHT
RMVP-463	P263	63"	20.18	242.16	1739.29
RMVP-472	P272	72"	23.07	276.84	1773.97
RMVP-484	P284	84"	26.91	322.92	1820.05
RMVP-496	P296	96"	30.76	369.12	1866.25
RMVP-4126	P2126	126"	40.75	489.00	1986.13

TOLERANCE NOTE

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

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

REVISION HISTORY

DESCRIPTION
LOW PROFILE CO-LOCATION PLATFORM
FOR 12 ANTENNAS WITH 14' 6" FACE WIDTH
FOR 30" - 60" DIAMETER POLES

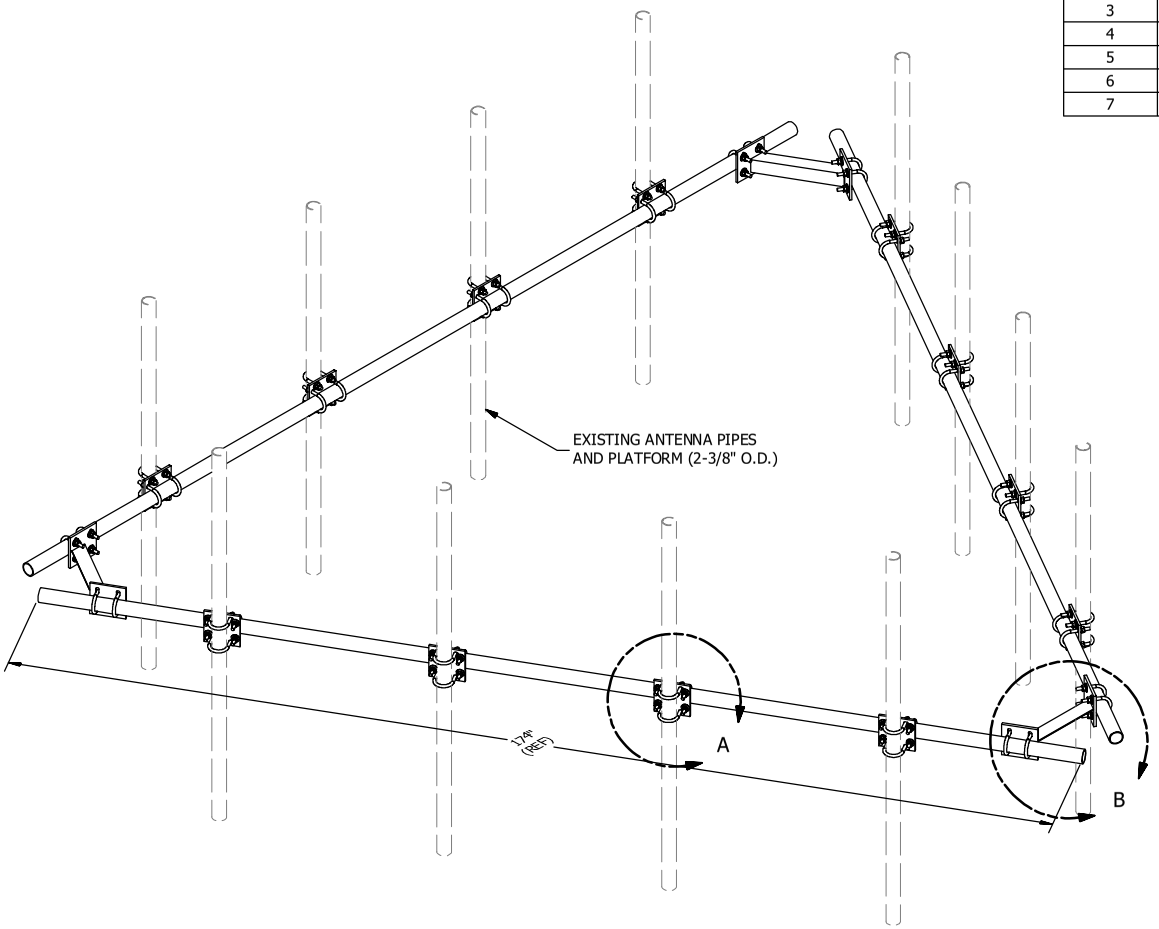
SITE PRO 1
A valmont COMPANY

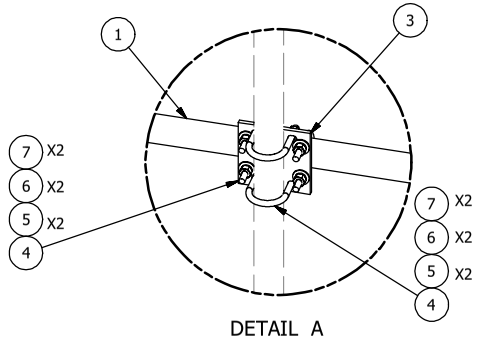
Engineering Support Team:
1-888-753-7446

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

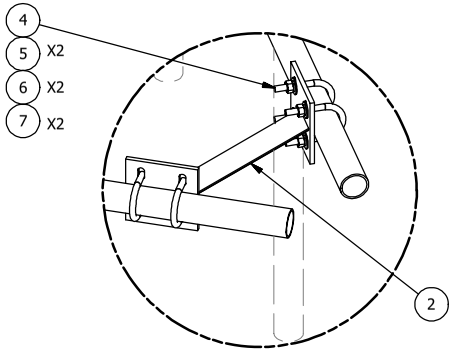
DRAWN BY	CPD NO.	DRAWING USAGE	PART NO.
CEK 1/20/2012		CUSTOMER	SEE ASSEMBLY NO. "A"
ENG. APPROVAL	CHECKED BY		DWG. NO.
	BMC 7/9/2015		RMVP-4XX

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	3	P2174	2-3/8" OD X 174" SCH 40 GALVANIZED PIPE	174 in	55.75	167.24
2	3	X-AHCP	ANGLE HANDRAIL CORNER PLATE		12.92	38.76
3	12	SCX1	CROSSOVER PLATE 2-3/8" X 2-3/8"	6 in	3.71	44.50
4	60	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.63	37.51
5	120	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	4.09
6	120	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	1.67
7	120	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	8.60
					TOTAL WT. #	302.36





DETAIL A



DETAIL B

TOLERANCE NOTES

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

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
A	REPLACED HCP WITH X-AHCP		CEK	7/11/2014

REVISION HISTORY

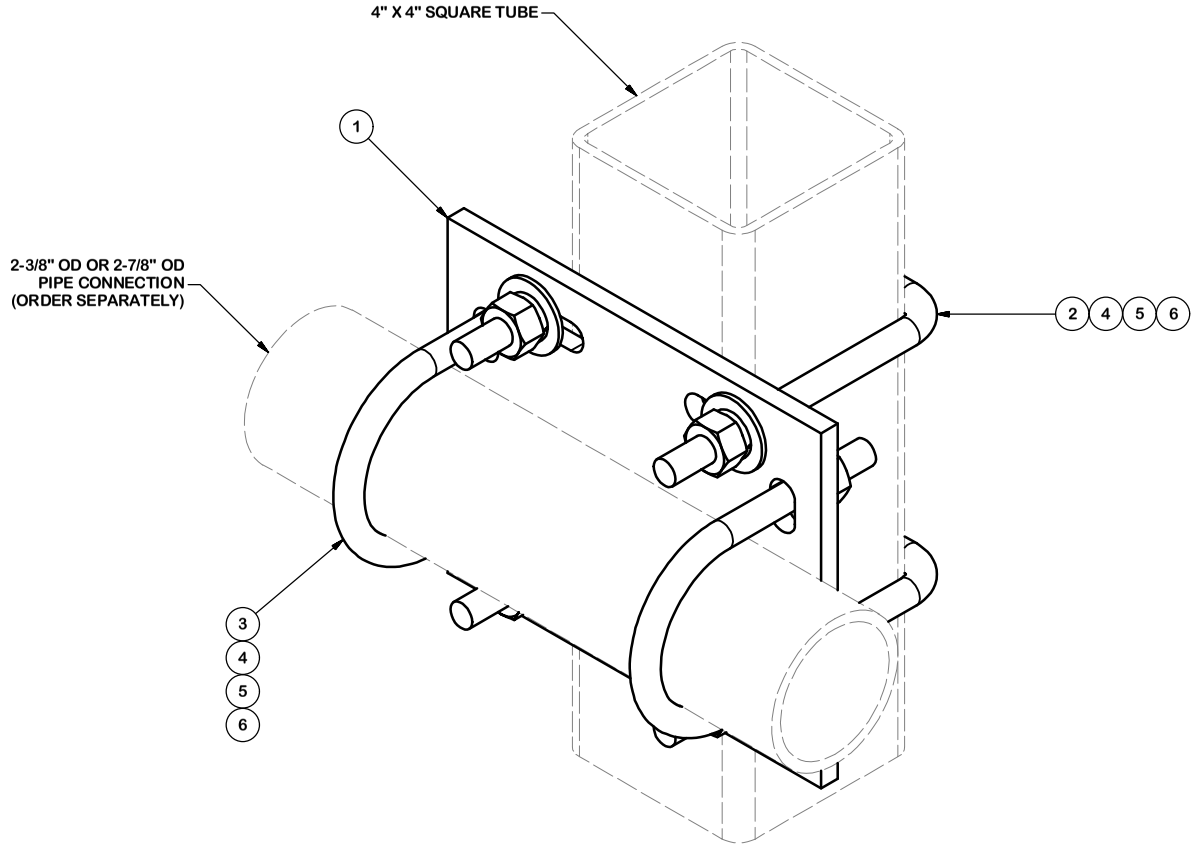
DESCRIPTION: HANDRAIL KIT FOR 14'-6" FACE

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
	KC8 5/30/2012		HRK14

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
81	01	CUSTOMER	BMC 7/13/2014	HRK14

SITE PRO 1
A valmont COMPANY
Engineering Support Team: 1-888-753-7446
Locations: New York, NY; Atlanta, GA; Los Angeles, CA; Plymouth, IN; Salem, OR; Dallas, TX

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	SCX4	CROSSOVER PLATE	8 1/2 in	6.02	6.02
2	2	X-SUB1418	SQUARE U-BOLT 0.5" DIA. X 4.125" IW X 6" IL X 3" TR		0.98	1.95
3	2	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.60	1.19
3	2	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.67	1.34
4	8	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	0.27
5	8	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.11
6	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT. #	11.35



TOLERANCE NOTES

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

DESCRIPTION
CROSSOVER PLATE KIT
W/ SQUARE U-BOLTS AND STD. U-BOLTS

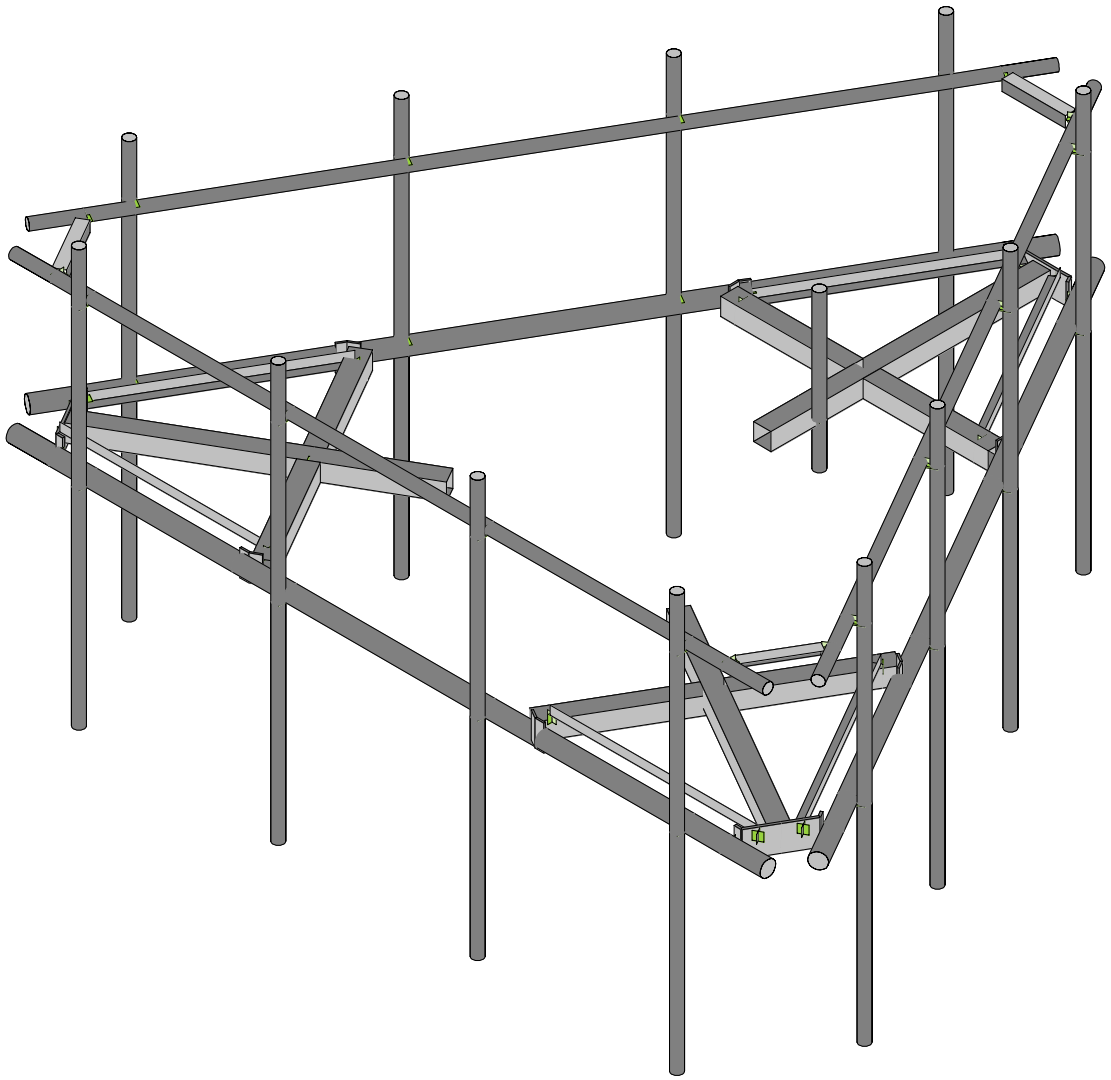
SITE PRO 1
A valmont COMPANY

Engineering Support Team:
1-888-753-7446

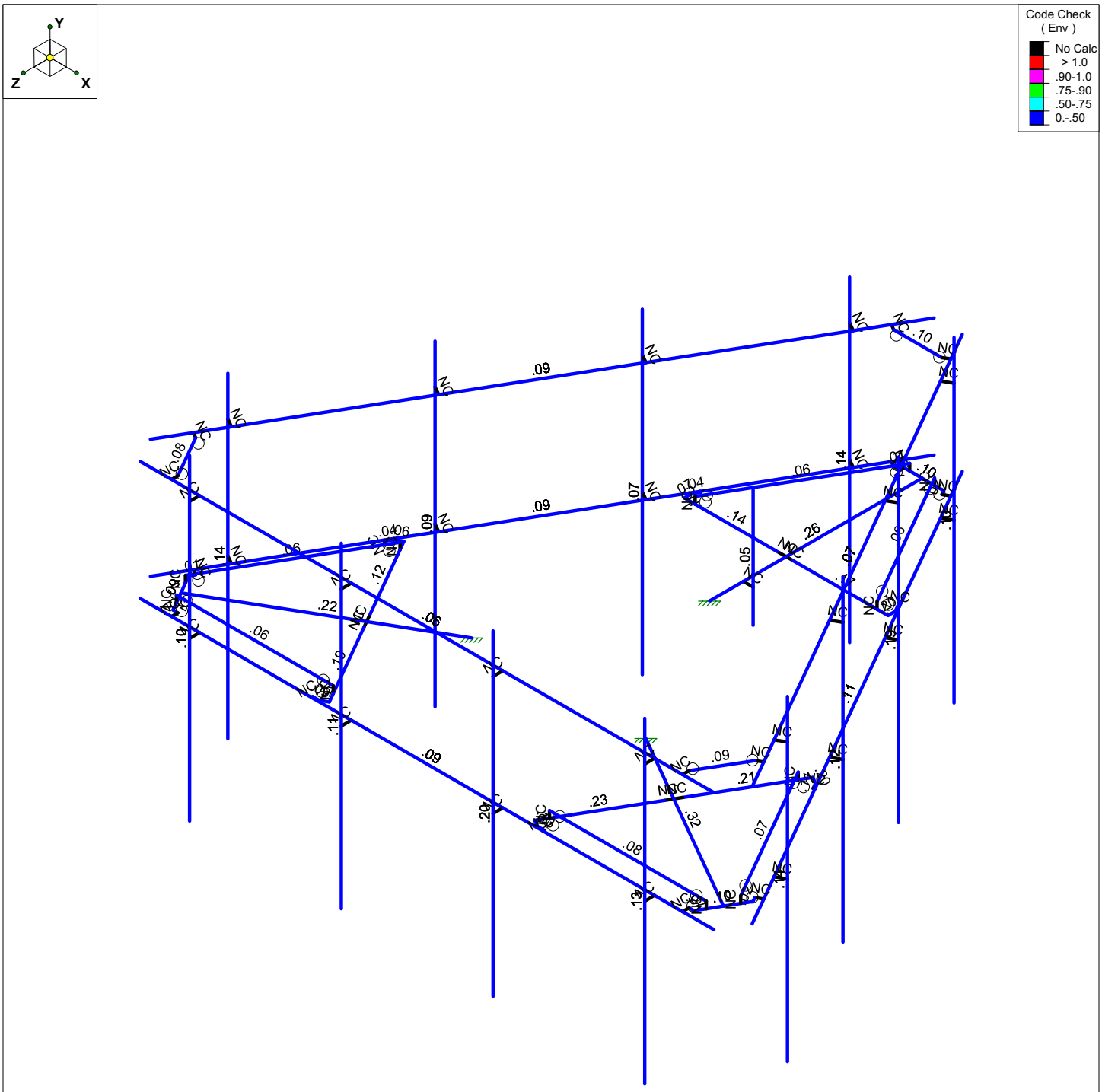
Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
	CSL 9/18/2018	3RD PARTY	SQCX4-K	1 OF 1

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
87	02	CUSTOMER	BMC 11/12/2018	SQCX4-K

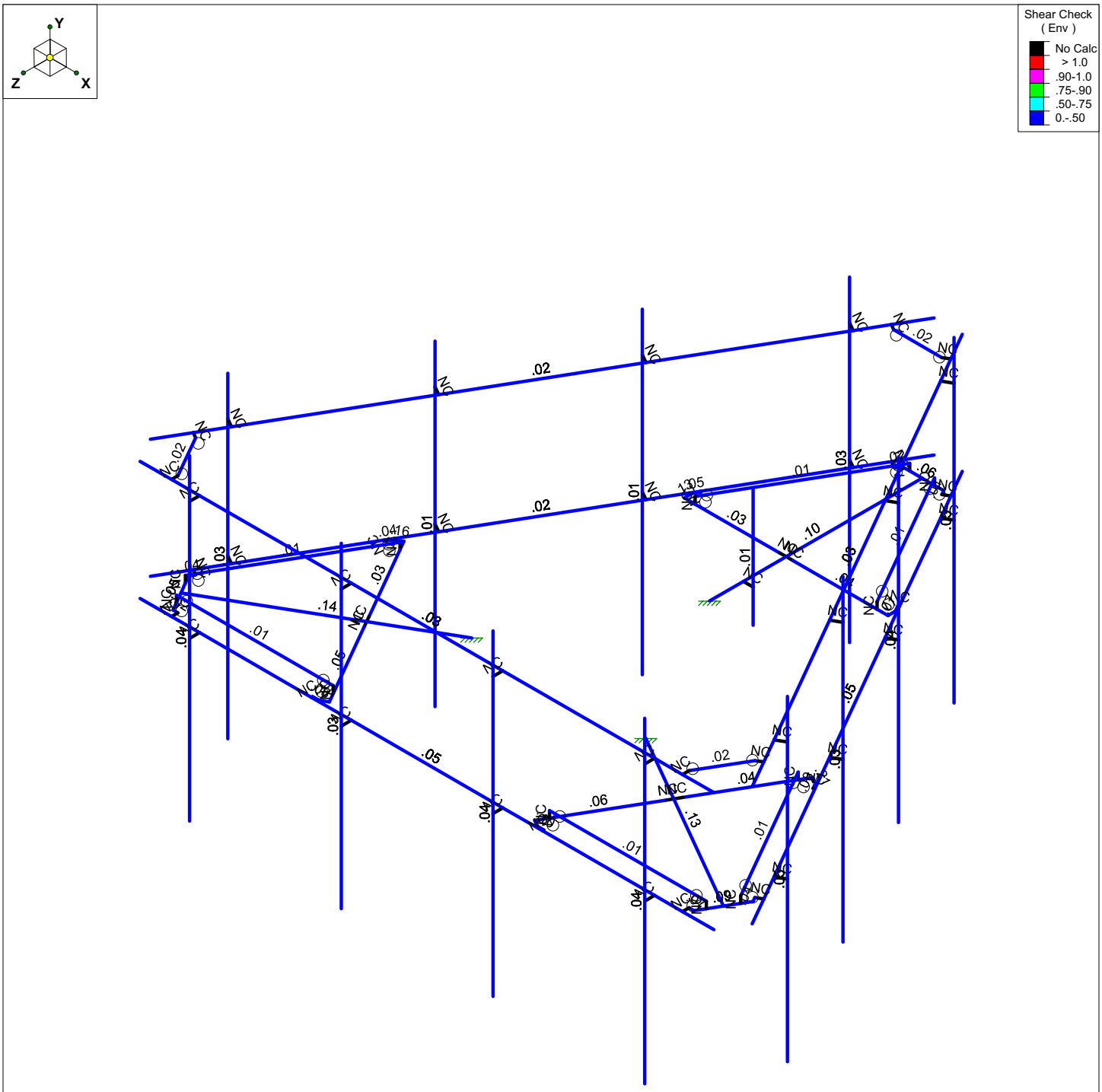


		SK - 1
		June 18, 2021 at 11:34 AM
		467583-VZW_MT_LO_H.r3d



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

		SK - 2
		June 18, 2021 at 11:34 AM
		467583-VZW_MT_LO_H.r3d



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

		SK - 3
		June 18, 2021 at 11:34 AM
		467583-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					33			
2	Antenna Di	None					33			
3	Antenna Wo (0 Deg)	None					33			
4	Antenna Wo (30 Deg)	None					33			
5	Antenna Wo (60 Deg)	None					33			
6	Antenna Wo (90 Deg)	None					33			
7	Antenna Wo (120 Deg)	None					33			
8	Antenna Wo (150 Deg)	None					33			
9	Antenna Wo (180 Deg)	None					33			
10	Antenna Wo (210 Deg)	None					33			
11	Antenna Wo (240 Deg)	None					33			
12	Antenna Wo (270 Deg)	None					33			
13	Antenna Wo (300 Deg)	None					33			
14	Antenna Wo (330 Deg)	None					33			
15	Antenna Wi (0 Deg)	None					33			
16	Antenna Wi (30 Deg)	None					33			
17	Antenna Wi (60 Deg)	None					33			
18	Antenna Wi (90 Deg)	None					33			
19	Antenna Wi (120 Deg)	None					33			
20	Antenna Wi (150 Deg)	None					33			
21	Antenna Wi (180 Deg)	None					33			
22	Antenna Wi (210 Deg)	None					33			
23	Antenna Wi (240 Deg)	None					33			
24	Antenna Wi (270 Deg)	None					33			
25	Antenna Wi (300 Deg)	None					33			
26	Antenna Wi (330 Deg)	None					33			
27	Antenna Wm (0 Deg)	None					33			
28	Antenna Wm (30 Deg)	None					33			
29	Antenna Wm (60 Deg)	None					33			
30	Antenna Wm (90 Deg)	None					33			
31	Antenna Wm (120 Deg)	None					33			
32	Antenna Wm (150 Deg)	None					33			
33	Antenna Wm (180 Deg)	None					33			
34	Antenna Wm (210 Deg)	None					33			
35	Antenna Wm (240 Deg)	None					33			
36	Antenna Wm (270 Deg)	None					33			
37	Antenna Wm (300 Deg)	None					33			
38	Antenna Wm (330 Deg)	None					33			
39	Structure D	None		-1					3	
40	Structure Di	None						58	3	
41	Structure Wo (0 Deg)	None						116		
42	Structure Wo (30 Deg)	None						116		
43	Structure Wo (60 Deg)	None						116		
44	Structure Wo (90 Deg)	None						116		
45	Structure Wo (120 D...	None						116		
46	Structure Wo (150 D...	None						116		
47	Structure Wo (180 D...	None						116		
48	Structure Wo (210 D...	None						116		
49	Structure Wo (240 D...	None						116		
50	Structure Wo (270 D...	None						116		
51	Structure Wo (300 D...	None						116		
52	Structure Wo (330 D...	None						116		
53	Structure Wi (0 Deg)	None						116		
54	Structure Wi (30 Deg)	None						116		
55	Structure Wi (60 Deg)	None						116		
56	Structure Wi (90 Deg)	None						116		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						116		
58	Structure Wi (150 De...	None						116		
59	Structure Wi (180 De...	None						116		
60	Structure Wi (210 De...	None						116		
61	Structure Wi (240 De...	None						116		
62	Structure Wi (270 De...	None						116		
63	Structure Wi (300 De...	None						116		
64	Structure Wi (330 De...	None						116		
65	Structure Wm (0 Deg)	None						116		
66	Structure Wm (30 De...	None						116		
67	Structure Wm (60 De...	None						116		
68	Structure Wm (90 De...	None						116		
69	Structure Wm (120 D...	None						116		
70	Structure Wm (150 D...	None						116		
71	Structure Wm (180 D...	None						116		
72	Structure Wm (210 D...	None						116		
73	Structure Wm (240 D...	None						116		
74	Structure Wm (270 D...	None						116		
75	Structure Wm (300 D...	None						116		
76	Structure Wm (330 D...	None						116		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						84		
82	BLC 40 Transient Are...	None						84		

Load Combinations

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

Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
27	1.2D + 1.5Lm1 + 1.0Wm (6...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0Wm (9...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0Wm (1...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0Wm (1...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0Wm (1...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0Wm (2...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0Wm (2...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0Wm (2...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0Wm (3...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0Wm (3...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0Wm (0 ..	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0Wm (3...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0Wm (6...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0Wm (9...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0Wm (1...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0Wm (1...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0Wm (1...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0Wm (2...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0Wm (2...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0Wm (2...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0Wm (3...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0Wm (3...	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 + 1.0Eh (0 De...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1.0Eh (30 D...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.8...										
55	1.2D + 1.0Ev + 1.0Eh (60 D...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1.0Eh (90 D...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1.0Eh (120 ...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1.0Eh (150 ...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + 1.0Eh (180 ...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1.0Eh (210 ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + 1.0Eh (240 ...		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1.0Eh (270 ...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1.0Eh (300 ...		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1.0Eh (330 ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.8...										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	CP	0	0	0	0	
2	N26A	-3.881552	0	2.241015	0	
3	N29A	-6.856104	0	3.958373	0	
4	N36	-7.249996	0	4.595516	0	
5	N53A	7.249996	0	4.595516	0	
6	N49A	7.604831	0	3.980923	0	
7	N50	0.354835	0	-8.576439	0	
8	N51A	-0.354835	0	-8.576439	0	
9	N52A	-7.604831	0	3.980923	0	
10	N79A	-2.595102	0	4.46922	0	
11	N80A	-5.031241	0.166667	0.249703	0	
12	N81A	-2.731871	0.166667	4.232328	0	
13	N84A	-5.031241	0	0.249703	0	
14	N85A	-2.731871	0	4.232328	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N86A	-7.01393	0.166667	3.683827	0	
16	N87A	-6.698628	0.166667	4.232325	0	
17	N88A	-7.014617	0	3.683827	0	
18	N89_1	-6.697942	0	4.232325	0	
19	N90_1	-5.168011	0	0.01281	0	
20	N91_1	-3.798223	0	2.385353	0	
21	N92_1	-3.96489	0	2.096678	0	
22	N95_1	-7.129545	0	3.484766	0	
23	N96_1	-6.58267	0	4.431981	0	
24	N112	-2.757481	0	4.56297	0	
25	N113	-5.330391	0	0.10656	0	
26	N116	-2.924148	0	4.56297	0	
27	N120	-2.924148	0	4.595516	0	
28	N120A	-6.45767	0	4.431981	0	
29	N124	-6.45767	0	4.595516	0	
30	N145	-5.413724	0	0.250898	0	
31	N147	-5.441909	0	0.234625	0	
32	N149	-7.067045	0	3.376513	0	
33	N151	-7.20867	0	3.294745	0	
34	N85B	3.881552	0	2.241015	0	
35	N86B	6.856104	0	3.958373	0	
36	N87B	5.168009	0	0.012814	0	
37	N88B	2.731869	0.166667	4.232331	0	
38	N89A	5.031239	0.166667	0.249706	0	
39	N91A	2.731869	0	4.232331	0	
40	N92A	5.031239	0	0.249706	0	
41	N93	6.697252	0.166667	4.232328	0	
42	N94	7.014615	0.166667	3.685019	0	
43	N95A	6.697596	0	4.232924	0	
44	N96A	7.014272	0	3.684425	0	
45	N97A	2.5951	0	4.469224	0	
46	N98A	3.964888	0	2.096681	0	
47	N99	3.798221	0	2.385356	0	
48	N100	6.582668	0	4.431984	0	
49	N101	7.129543	0	3.484769	0	
50	N102	5.330389	0	0.106564	0	
51	N103	2.757479	0	4.562974	0	
52	N104	5.413722	0	0.250901	0	
53	N105	5.441907	0	0.234629	0	
54	N106	7.067043	0	3.376516	0	
55	N107	7.208668	0	3.294749	0	
56	N108	2.924146	0	4.562974	0	
57	N109	2.924146	0	4.595519	0	
58	N110	6.457668	0	4.431984	0	
59	N111	6.457668	0	4.595519	0	
60	N112A	-0.	0	-2.541664	0	
61	N113A	-0.	0	-4.482031	0	
62	N114	-0.	0	-7.916747	0	
63	N115	-2.572908	0	-4.482034	0	
64	N116A	2.299372	0.166667	-4.482034	0	
65	N117	-2.299368	0.166667	-4.482034	0	
66	N119	2.299372	0	-4.482034	0	
67	N120B	-2.299368	0	-4.482034	0	
68	N121	0.316678	0.166667	-7.916155	0	
69	N122	-0.315987	0.166667	-7.917344	0	
70	N123	0.317021	0	-7.91675	0	
71	N124A	-0.31633	0	-7.91675	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N125	2.572911	0	-4.482034	0	
73	N126	-0.166665	0	-4.482034	0	
74	N127	0.166669	0	-4.482034	0	
75	N128	0.546877	0	-7.91675	0	
76	N129	-0.546873	0	-7.91675	0	
77	N130	-2.572908	0	-4.669534	0	
78	N131	2.572911	0	-4.669534	0	
79	N132	-2.489574	0	-4.813872	0	
80	N133	-2.517759	0	-4.830144	0	
81	N134	-0.609373	0	-7.808497	0	
82	N135	-0.750998	0	-7.890264	0	
83	N136	2.489578	0	-4.813872	0	
84	N137	2.517763	0	-4.830144	0	
85	N138	0.609377	0	-7.808497	0	
86	N139	0.751002	0	-7.890264	0	
87	N89	-7.249996	3	4.595516	0	
88	N90	7.249996	3	4.595516	0	
89	N91	7.604831	3	3.980923	0	
90	N92	0.354835	3	-8.576439	0	
91	N93A	-0.354835	3	-8.576439	0	
92	N94A	-7.604831	3	3.980923	0	
93	N95	5.749996	0	4.595516	0	
94	N96	5.749996	3	4.595516	0	
95	N97	1.916663	0	4.595516	0	
96	N98	1.916663	3	4.595516	0	
97	N99A	-1.916671	0	4.595516	0	
98	N100A	-1.916671	3	4.595516	0	
99	N101A	-5.750003	0	4.595516	0	
100	N102A	-5.750003	3	4.595516	0	
101	N103A	5.749996	0	4.845516	0	
102	N104A	5.749996	3	4.845516	0	
103	N105A	1.916663	0	4.845516	0	
104	N106A	1.916663	3	4.845516	0	
105	N107A	-1.916671	0	4.845516	0	
106	N108A	-1.916671	3	4.845516	0	
107	N109A	-5.750003	0	4.845516	0	
108	N110A	-5.750003	3	4.845516	0	
109	N111A	5.749996	4	4.845516	0	
110	N112B	1.916663	4	4.845516	0	
111	N113B	-1.916671	4	4.845516	0	
112	N114A	-5.750003	4	4.845516	0	
113	N115A	5.749996	-4	4.845516	0	
114	N116B	1.916663	-4	4.845516	0	
115	N117A	-1.916671	-4	4.845516	0	
116	N118	-5.750003	-4	4.845516	0	
117	N119A	1.104835	0	-7.2774	0	
118	N120C	1.104835	3	-7.2774	0	
119	N121A	3.021502	0	-3.957636	0	
120	N122A	3.021502	3	-3.957636	0	
121	N123A	4.938169	0	-0.637872	0	
122	N124B	4.938169	3	-0.637872	0	
123	N125A	6.854835	0	2.681892	0	
124	N126A	6.854835	3	2.681892	0	
125	N127A	1.321342	0	-7.4024	0	
126	N128A	1.321342	3	-7.4024	0	
127	N129A	3.238008	0	-4.082636	0	
128	N130A	3.238008	3	-4.082636	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N131A	5.154675	0	-0.762872	0	
130	N132A	5.154675	3	-0.762872	0	
131	N133A	7.071342	0	2.556892	0	
132	N134A	7.071342	3	2.556892	0	
133	N135A	1.321342	4	-7.4024	0	
134	N136A	3.238008	4	-4.082636	0	
135	N137A	5.154675	4	-0.762872	0	
136	N138A	7.071342	4	2.556892	0	
137	N139A	1.321342	-4	-7.4024	0	
138	N140	3.238008	-4	-4.082636	0	
139	N141	5.154675	-4	-0.762872	0	
140	N142	7.071342	-4	2.556892	0	
141	N143	-6.854831	0	2.681885	0	
142	N144	-6.854831	3	2.681885	0	
143	N145A	-4.938165	0	-0.637879	0	
144	N146	-4.938165	3	-0.637879	0	
145	N147A	-3.021498	0	-3.957643	0	
146	N148	-3.021498	3	-3.957643	0	
147	N149A	-1.104831	0	-7.277407	0	
148	N150	-1.104831	3	-7.277407	0	
149	N151A	-7.071338	0	2.556885	0	
150	N152	-7.071338	3	2.556885	0	
151	N153	-5.154671	0	-0.762879	0	
152	N154	-5.154671	3	-0.762879	0	
153	N155	-3.238004	0	-4.082643	0	
154	N156	-3.238004	3	-4.082643	0	
155	N157	-1.321338	0	-7.402407	0	
156	N158	-1.321338	3	-7.402407	0	
157	N159	-7.071338	4	2.556885	0	
158	N160	-5.154671	4	-0.762879	0	
159	N161	-3.238004	4	-4.082643	0	
160	N162	-1.321338	4	-7.402407	0	
161	N163	-7.071338	-4	2.556885	0	
162	N164	-5.154671	-4	-0.762879	0	
163	N165	-3.238004	-4	-4.082643	0	
164	N166	-1.321338	-4	-7.402407	0	
165	N167	-0.	0	-3.398697	0	
166	N180A	0.25	0	-3.398697	0	
167	N181A	0.25	-0.833333	-3.398697	0	
168	N182A	0.25	2.166667	-3.398697	0	
169	N171	-6.45767	3	4.431981	0	
170	N172	-6.45767	3	4.595516	0	
171	N173	-7.067045	3	3.376513	0	
172	N174	-7.20867	3	3.294745	0	
173	N175	7.067043	3	3.376516	0	
174	N176	7.208668	3	3.294749	0	
175	N177	6.457668	3	4.431984	0	
176	N178	6.457668	3	4.595519	0	
177	N179	-0.609373	3	-7.808497	0	
178	N180	-0.750998	3	-7.890264	0	
179	N181	0.609377	3	-7.808497	0	
180	N182	0.751002	3	-7.890264	0	
181	N182B	-2.201146	0	1.270832	0	
182	N185	2.201146	0	1.270832	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	Q235	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	Q235	Typical	3.37	7.8	7.8	12.8
3	Support Rail	PIPE_2.0	Beam	SquareTube	A53 Gr.B	Typical	1.02	.627	.627	1.25
4	Corner Plate	PL1/2x6	Beam	BAR	Q235	Typical	3	.063	9	.237
5	Platform Crossmember	HSS4X4X3	Beam	SquareTube	Q235	Typical	2.58	6.21	6.21	10
6	Grating Support	L2x2x3	Beam	Single Angle	Q235	Typical	.722	.271	.271	.009
7	Support Rail Connection	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
8	Mount Pipe	PIPE_2.0	Column	Wide Flange	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Mount Pipe_1	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
10	Cross Arm Plate	PL3/8x6	Column	RECT	Q235	Typical	2.25	.026	6.75	.101

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M20	N36	N53A			Face Horizontal	Beam	Pipe	Q235	Typical
2	M32	N49A	N50			Face Horizontal	Beam	Pipe	Q235	Typical
3	M33A	N51A	N52A			Face Horizontal	Beam	Pipe	Q235	Typical
4	M41A	N90_1	N92_1			Platform Crossmem...	Beam	SquareTube	Q235	Typical
5	M42_1	N91_1	N79A			Platform Crossmem...	Beam	SquareTube	Q235	Typical
6	M43A_1	N96_1	N95_1			Corner Plate	Beam	BAR	Q235	Typical
7	M44_1	N81A	N85A			RIGID	None	None	RIGID	Typical
8	M45_1	N80A	N84A			RIGID	None	None	RIGID	Typical
9	M46A	N86A	N80A			Grating Support	Beam	Single Angle	Q235	Typical
10	M47	N81A	N87A			Grating Support	Beam	Single Angle	Q235	Typical
11	M48	N87A	N89_1			RIGID	None	None	RIGID	Typical
12	M49	N86A	N88A			RIGID	None	None	RIGID	Typical
13	M50_1	N91_1	N26A			RIGID	None	None	RIGID	Typical
14	M51_1	N26A	N92_1			RIGID	None	None	RIGID	Typical
15	M64	N79A	N112			Cross Arm Plate	Column	RECT	Q235	Typical
16	M65	N112	N116			Cross Arm Plate	Column	RECT	Q235	Typical
17	M68	N116	N120			RIGID	None	None	RIGID	Typical
18	M71	N96_1	N120A			Corner Plate	Beam	BAR	Q235	Typical
19	M72	N120A	N124			RIGID	None	None	RIGID	Typical
20	M86	N90_1	N113			Cross Arm Plate	Column	RECT	Q235	Typical
21	M87	N113	N145			Cross Arm Plate	Column	RECT	Q235	Typical
22	M89	N145	N147			RIGID	None	None	RIGID	Typical
23	M90	N95_1	N149			Corner Plate	Beam	BAR	Q235	Typical
24	M93	N149	N151			RIGID	None	None	RIGID	Typical
25	M51A	N97A	N99			Platform Crossmem...	Beam	SquareTube	Q235	Typical
26	M52	N98A	N87B			Platform Crossmem...	Beam	SquareTube	Q235	Typical
27	M53A	N101	N100			Corner Plate	Beam	BAR	Q235	Typical
28	M54	N89A	N92A			RIGID	None	None	RIGID	Typical
29	M55	N88B	N91A			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
30	M56	N93	N88B			Grating Support	Beam	Single Angle	Q235	Typical
31	M57	N89A	N94			Grating Support	Beam	Single Angle	Q235	Typical
32	M58	N94	N96A			RIGID	None	None	RIGID	Typical
33	M59	N93	N95A			RIGID	None	None	RIGID	Typical
34	M60	N98A	N85B			RIGID	None	None	RIGID	Typical
35	M61	N85B	N99			RIGID	None	None	RIGID	Typical
36	M62	N87B	N102			Cross Arm Plate	Column	RECT	Q235	Typical
37	M63	N102	N104			Cross Arm Plate	Column	RECT	Q235	Typical
38	M64A	N104	N105			RIGID	None	None	RIGID	Typical
39	M65A	N101	N106			Corner Plate	Beam	BAR	Q235	Typical
40	M66	N106	N107			RIGID	None	None	RIGID	Typical
41	M67	N97A	N103			Cross Arm Plate	Column	RECT	Q235	Typical
42	M68A	N103	N108			Cross Arm Plate	Column	RECT	Q235	Typical
43	M69	N108	N109			RIGID	None	None	RIGID	Typical
44	M70	N100	N110			Corner Plate	Beam	BAR	Q235	Typical
45	M71A	N110	N111			RIGID	None	None	RIGID	Typical
46	M72A	N112A	N114			Standoff Horizontal	Beam	SquareTube	Q235	Typical
47	M73	N125	N127			Platform Crossmem...	Beam	SquareTube	Q235	Typical
48	M74	N126	N115			Platform Crossmem...	Beam	SquareTube	Q235	Typical
49	M75	N129	N128			Corner Plate	Beam	BAR	Q235	Typical
50	M76	N117	N120B			RIGID	None	None	RIGID	Typical
51	M77	N116A	N119			RIGID	None	None	RIGID	Typical
52	M78	N121	N116A			Grating Support	Beam	Single Angle	Q235	Typical
53	M79	N117	N122			Grating Support	Beam	Single Angle	Q235	Typical
54	M80	N122	N124A			RIGID	None	None	RIGID	Typical
55	M81	N121	N123			RIGID	None	None	RIGID	Typical
56	M82	N126	N113A			RIGID	None	None	RIGID	Typical
57	M83	N113A	N127			RIGID	None	None	RIGID	Typical
58	M84	N115	N130			Cross Arm Plate	Column	RECT	Q235	Typical
59	M85	N130	N132			Cross Arm Plate	Column	RECT	Q235	Typical
60	M86A	N132	N133			RIGID	None	None	RIGID	Typical
61	M87A	N129	N134			Corner Plate	Beam	BAR	Q235	Typical
62	M88	N134	N135			RIGID	None	None	RIGID	Typical
63	M89A	N125	N131			Cross Arm Plate	Column	RECT	Q235	Typical
64	M90A	N131	N136			Cross Arm Plate	Column	RECT	Q235	Typical
65	M91	N136	N137			RIGID	None	None	RIGID	Typical
66	M92	N128	N138			Corner Plate	Beam	BAR	Q235	Typical
67	M93A	N138	N139			RIGID	None	None	RIGID	Typical
68	M70A	N90	N89			Support Rail	Beam	SquareTube	A53 Gr.B	Typical
69	M71B	N94A	N93A			Support Rail	Beam	SquareTube	A53 Gr.B	Typical
70	M72B	N92	N91			Support Rail	Beam	SquareTube	A53 Gr.B	Typical
71	M73A	N102A	N110A			RIGID	None	None	RIGID	Typical
72	M74A	N100A	N108A			RIGID	None	None	RIGID	Typical
73	M75A	N98	N106A			RIGID	None	None	RIGID	Typical
74	M76A	N96	N104A			RIGID	None	None	RIGID	Typical
75	M77A	N95	N103A			RIGID	None	None	RIGID	Typical
76	M78A	N97	N105A			RIGID	None	None	RIGID	Typical
77	M79A	N99A	N107A			RIGID	None	None	RIGID	Typical
78	M80A	N101A	N109A			RIGID	None	None	RIGID	Typical
79	MP4A	N114A	N118			Mount Pipe_1	Column	Pipe	A53 Gr.B	Typical
80	MP3A	N113B	N117A			Mount Pipe_1	Column	Pipe	A53 Gr.B	Typical
81	MP2A	N112B	N116B			Mount Pipe_1	Column	Pipe	A53 Gr.B	Typical
82	MP1A	N111A	N115A			Mount Pipe_1	Column	Pipe	A53 Gr.B	Typical
83	M85A	N126A	N134A			RIGID	None	None	RIGID	Typical
84	M86B	N124B	N132A			RIGID	None	None	RIGID	Typical
85	M87B	N122A	N130A			RIGID	None	None	RIGID	Typical
86	M88A	N120C	N128A			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
87	M89B	N119A	N127A			RIGID	None	None	RIGID	Typical
88	M90B	N121A	N129A			RIGID	None	None	RIGID	Typical
89	M91A	N123A	N131A			RIGID	None	None	RIGID	Typical
90	M92A	N125A	N133A			RIGID	None	None	RIGID	Typical
91	MP4C	N138A	N142			Mount Pipe_1	Column	Pipe	A53 Gr.B	Typical
92	MP3C	N137A	N141			Mount Pipe_1	Column	Pipe	A53 Gr.B	Typical
93	MP2C	N136A	N140			Mount Pipe_1	Column	Pipe	A53 Gr.B	Typical
94	MP1C	N135A	N139A			Mount Pipe_1	Column	Pipe	A53 Gr.B	Typical
95	M97	N150	N158			RIGID	None	None	RIGID	Typical
96	M98	N148	N156			RIGID	None	None	RIGID	Typical
97	M99	N146	N154			RIGID	None	None	RIGID	Typical
98	M100	N144	N152			RIGID	None	None	RIGID	Typical
99	M101	N143	N151A			RIGID	None	None	RIGID	Typical
100	M102	N145A	N153			RIGID	None	None	RIGID	Typical
101	M103	N147A	N155			RIGID	None	None	RIGID	Typical
102	M104	N149A	N157			RIGID	None	None	RIGID	Typical
103	MP4B	N162	N166			Mount Pipe_1	Column	Pipe	A53 Gr.B	Typical
104	MP3B	N161	N165			Mount Pipe_1	Column	Pipe	A53 Gr.B	Typical
105	MP2B	N160	N164			Mount Pipe_1	Column	Pipe	A53 Gr.B	Typical
106	MP1B	N159	N163			Mount Pipe_1	Column	Pipe	A53 Gr.B	Typical
107	O1	N182A	N181A			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
108	M119	N167	N180A			RIGID	None	None	RIGID	Typical
109	M111	N171	N172			RIGID	None	None	RIGID	Typical
110	M112	N173	N174			RIGID	None	None	RIGID	Typical
111	M113	N173	N171		90	Support Rail Conne...	Beam	Single Angle	A36 Gr.36	Typical
112	M114	N175	N176			RIGID	None	None	RIGID	Typical
113	M115	N177	N178			RIGID	None	None	RIGID	Typical
114	M116	N177	N175		90	Support Rail Conne...	Beam	Single Angle	A36 Gr.36	Typical
115	M117	N179	N180			RIGID	None	None	RIGID	Typical
116	M118	N181	N182			RIGID	None	None	RIGID	Typical
117	M119A	N181	N179		90	Support Rail Conne...	Beam	Single Angle	A36 Gr.36	Typical
118	M118A	N182B	N29A			Standoff Horizontal	Beam	SquareTube	Q235	Typical
119	M119B	N185	N86B			Standoff Horizontal	Beam	SquareTube	Q235	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	M20						Yes				None
2	M32						Yes				None
3	M33A						Yes				None
4	M41A						Yes				None
5	M42_1						Yes				None
6	M43A_1						Yes				None
7	M44_1						Yes	** NA **			None
8	M45_1						Yes	** NA **			None
9	M46A	OOOOOX	OOOOOX				Yes				None
10	M47	OOOOOX	OOOOOX				Yes				None
11	M48						Yes	** NA **			None
12	M49						Yes	** NA **			None
13	M50_1						Yes	** NA **			None
14	M51_1						Yes	** NA **			None
15	M64						Yes	** NA **			None
16	M65						Yes	** NA **			None
17	M68		BenPIN				Yes	** NA **			None
18	M71						Yes				None
19	M72		BenPIN				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...
20	M86						Yes	** NA **			None
21	M87						Yes	** NA **			None
22	M89		BenPIN				Yes	** NA **			None
23	M90						Yes				None
24	M93		BenPIN				Yes	** NA **			None
25	M51A						Yes				None
26	M52						Yes				None
27	M53A						Yes				None
28	M54						Yes	** NA **			None
29	M55						Yes	** NA **			None
30	M56	OOOOOX	OOOOOX				Yes				None
31	M57	OOOOOX	OOOOOX				Yes				None
32	M58						Yes	** NA **			None
33	M59						Yes	** NA **			None
34	M60						Yes	** NA **			None
35	M61						Yes	** NA **			None
36	M62						Yes	** NA **			None
37	M63						Yes	** NA **			None
38	M64A		BenPIN				Yes	** NA **			None
39	M65A						Yes				None
40	M66		BenPIN				Yes	** NA **			None
41	M67						Yes	** NA **			None
42	M68A						Yes	** NA **			None
43	M69		BenPIN				Yes	** NA **			None
44	M70						Yes				None
45	M71A		BenPIN				Yes	** NA **			None
46	M72A						Yes	Default			None
47	M73						Yes				None
48	M74						Yes				None
49	M75						Yes				None
50	M76						Yes	** NA **			None
51	M77						Yes	** NA **			None
52	M78	OOOOOX	OOOOOX				Yes				None
53	M79	OOOOOX	OOOOOX				Yes				None
54	M80						Yes	** NA **			None
55	M81						Yes	** NA **			None
56	M82						Yes	** NA **			None
57	M83						Yes	** NA **			None
58	M84						Yes	** NA **			None
59	M85						Yes	** NA **			None
60	M86A		BenPIN				Yes	** NA **			None
61	M87A						Yes				None
62	M88		BenPIN				Yes	** NA **			None
63	M89A						Yes	** NA **			None
64	M90A						Yes	** NA **			None
65	M91		BenPIN				Yes	** NA **			None
66	M92						Yes				None
67	M93A		BenPIN				Yes	** NA **			None
68	M70A						Yes				None
69	M71B						Yes				None
70	M72B						Yes				None
71	M73A						Yes	** NA **			None
72	M74A						Yes	** NA **			None
73	M75A						Yes	** NA **			None
74	M76A						Yes	** NA **			None
75	M77A						Yes	** NA **			None
76	M78A						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...
77	M79A						Yes	** NA **			None
78	M80A						Yes	** NA **			None
79	MP4A						Yes	** NA **			None
80	MP3A						Yes	** NA **			None
81	MP2A						Yes	** NA **			None
82	MP1A						Yes	** NA **			None
83	M85A						Yes	** NA **			None
84	M86B						Yes	** NA **			None
85	M87B						Yes	** NA **			None
86	M88A						Yes	** NA **			None
87	M89B						Yes	** NA **			None
88	M90B						Yes	** NA **			None
89	M91A						Yes	** NA **			None
90	M92A						Yes	** NA **			None
91	MP4C						Yes	** NA **			None
92	MP3C						Yes	** NA **			None
93	MP2C						Yes	** NA **			None
94	MP1C						Yes	** NA **			None
95	M97						Yes	** NA **			None
96	M98						Yes	** NA **			None
97	M99						Yes	** NA **			None
98	M100						Yes	** NA **			None
99	M101						Yes	** NA **			None
100	M102						Yes	** NA **			None
101	M103						Yes	** NA **			None
102	M104						Yes	** NA **			None
103	MP4B						Yes	** NA **			None
104	MP3B						Yes	** NA **			None
105	MP2B						Yes	** NA **			None
106	MP1B						Yes	** NA **			None
107	O1						Yes	** NA **			None
108	M119						Yes	** NA **			None
109	M111		OOOOOO				Yes	** NA **			None
110	M112		OOOOOO				Yes	** NA **			None
111	M113						Yes	Default			None
112	M114		OOOOOO				Yes	** NA **			None
113	M115		OOOOOO				Yes	** NA **			None
114	M116						Yes				None
115	M117		OOOOOO				Yes	** NA **			None
116	M118		OOOOOO				Yes	** NA **			None
117	M119A						Yes				None
118	M118A						Yes	Default			None
119	M119B						Yes	Default			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-43.8	2
2	MP2A	My	-.022	2
3	MP2A	Mz	0	2
4	MP2A	Y	-43.8	6
5	MP2A	My	-.022	6
6	MP2A	Mz	0	6
7	MP2C	Y	-43.8	2
8	MP2C	My	.011	2
9	MP2C	Mz	.019	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2C	Y	-43.8	6
11	MP2C	My	.011	6
12	MP2C	Mz	.019	6
13	MP3A	Y	-44	2.75
14	MP3A	My	-.022	2.75
15	MP3A	Mz	0	2.75
16	MP3A	Y	-44	5.25
17	MP3A	My	-.022	5.25
18	MP3A	Mz	0	5.25
19	MP3C	Y	-44	2.75
20	MP3C	My	.011	2.75
21	MP3C	Mz	.019	2.75
22	MP3C	Y	-44	5.25
23	MP3C	My	.011	5.25
24	MP3C	Mz	.019	5.25
25	MP2A	Y	-84.4	3
26	MP2A	My	.042	3
27	MP2A	Mz	0	3
28	MP2C	Y	-84.4	3
29	MP2C	My	.042	3
30	MP2C	Mz	0	3
31	O1	Y	-26.9	1
32	O1	My	0	1
33	O1	Mz	0	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-65.675	2
2	MP2A	My	-.033	2
3	MP2A	Mz	0	2
4	MP2A	Y	-65.675	6
5	MP2A	My	-.033	6
6	MP2A	Mz	0	6
7	MP2C	Y	-65.675	2
8	MP2C	My	.016	2
9	MP2C	Mz	.028	2
10	MP2C	Y	-65.675	6
11	MP2C	My	.016	6
12	MP2C	Mz	.028	6
13	MP3A	Y	-37.738	2.75
14	MP3A	My	-.019	2.75
15	MP3A	Mz	0	2.75
16	MP3A	Y	-37.738	5.25
17	MP3A	My	-.019	5.25
18	MP3A	Mz	0	5.25
19	MP3C	Y	-37.738	2.75
20	MP3C	My	.009	2.75
21	MP3C	Mz	.016	2.75
22	MP3C	Y	-37.738	5.25
23	MP3C	My	.009	5.25
24	MP3C	Mz	.016	5.25
25	MP2A	Y	-40.721	3
26	MP2A	My	.02	3
27	MP2A	Mz	0	3
28	MP2C	Y	-40.721	3
29	MP2C	My	.02	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2C	Mz	0	3
31	O1	Y	-50.194	1
32	O1	My	0	1
33	O1	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2
2	MP2A	Z	-132.74	2
3	MP2A	Mx	0	2
4	MP2A	X	0	6
5	MP2A	Z	-132.74	6
6	MP2A	Mx	0	6
7	MP2C	X	0	2
8	MP2C	Z	-79.153	2
9	MP2C	Mx	-.034	2
10	MP2C	X	0	6
11	MP2C	Z	-79.153	6
12	MP2C	Mx	-.034	6
13	MP3A	X	0	2.75
14	MP3A	Z	-55.826	2.75
15	MP3A	Mx	0	2.75
16	MP3A	X	0	5.25
17	MP3A	Z	-55.826	5.25
18	MP3A	Mx	0	5.25
19	MP3C	X	0	2.75
20	MP3C	Z	-42.425	2.75
21	MP3C	Mx	-.018	2.75
22	MP3C	X	0	5.25
23	MP3C	Z	-42.425	5.25
24	MP3C	Mx	-.018	5.25
25	MP2A	X	0	3
26	MP2A	Z	-50.555	3
27	MP2A	Mx	0	3
28	MP2C	X	0	3
29	MP2C	Z	-50.555	3
30	MP2C	Mx	0	3
31	O1	X	0	1
32	O1	Z	-67.586	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	57.439	2
2	MP2A	Z	-99.487	2
3	MP2A	Mx	-.029	2
4	MP2A	X	57.439	6
5	MP2A	Z	-99.487	6
6	MP2A	Mx	-.029	6
7	MP2C	X	57.439	2
8	MP2C	Z	-99.487	2
9	MP2C	Mx	-.029	2
10	MP2C	X	57.439	6
11	MP2C	Z	-99.487	6
12	MP2C	Mx	-.029	6
13	MP3A	X	25.68	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP3A	Z	-44.479	2.75
15	MP3A	Mx	-.013	2.75
16	MP3A	X	25.68	5.25
17	MP3A	Z	-44.479	5.25
18	MP3A	Mx	-.013	5.25
19	MP3C	X	25.68	2.75
20	MP3C	Z	-44.479	2.75
21	MP3C	Mx	-.013	2.75
22	MP3C	X	25.68	5.25
23	MP3C	Z	-44.479	5.25
24	MP3C	Mx	-.013	5.25
25	MP2A	X	23.182	3
26	MP2A	Z	-40.153	3
27	MP2A	Mx	.012	3
28	MP2C	X	23.182	3
29	MP2C	Z	-40.153	3
30	MP2C	Mx	.012	3
31	O1	X	30.831	1
32	O1	Z	-53.401	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	68.549	2
2	MP2A	Z	-39.577	2
3	MP2A	Mx	-.034	2
4	MP2A	X	68.549	6
5	MP2A	Z	-39.577	6
6	MP2A	Mx	-.034	6
7	MP2C	X	114.956	2
8	MP2C	Z	-66.37	2
9	MP2C	Mx	0	2
10	MP2C	X	114.956	6
11	MP2C	Z	-66.37	6
12	MP2C	Mx	0	6
13	MP3A	X	36.741	2.75
14	MP3A	Z	-21.213	2.75
15	MP3A	Mx	-.018	2.75
16	MP3A	X	36.741	5.25
17	MP3A	Z	-21.213	5.25
18	MP3A	Mx	-.018	5.25
19	MP3C	X	48.347	2.75
20	MP3C	Z	-27.913	2.75
21	MP3C	Mx	0	2.75
22	MP3C	X	48.347	5.25
23	MP3C	Z	-27.913	5.25
24	MP3C	Mx	0	5.25
25	MP2A	X	32.895	3
26	MP2A	Z	-18.992	3
27	MP2A	Mx	.016	3
28	MP2C	X	32.895	3
29	MP2C	Z	-18.992	3
30	MP2C	Mx	.016	3
31	O1	X	43.141	1
32	O1	Z	-24.907	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	61.291	2
2	MP2A	Z	0	2
3	MP2A	Mx	-.031	2
4	MP2A	X	61.291	6
5	MP2A	Z	0	6
6	MP2A	Mx	-.031	6
7	MP2C	X	114.878	2
8	MP2C	Z	0	2
9	MP2C	Mx	.029	2
10	MP2C	X	114.878	6
11	MP2C	Z	0	6
12	MP2C	Mx	.029	6
13	MP3A	X	37.958	2.75
14	MP3A	Z	0	2.75
15	MP3A	Mx	-.019	2.75
16	MP3A	X	37.958	5.25
17	MP3A	Z	0	5.25
18	MP3A	Mx	-.019	5.25
19	MP3C	X	51.359	2.75
20	MP3C	Z	0	2.75
21	MP3C	Mx	.013	2.75
22	MP3C	X	51.359	5.25
23	MP3C	Z	0	5.25
24	MP3C	Mx	.013	5.25
25	MP2A	X	33.793	3
26	MP2A	Z	0	3
27	MP2A	Mx	.017	3
28	MP2C	X	33.793	3
29	MP2C	Z	0	3
30	MP2C	Mx	.017	3
31	O1	X	43.891	1
32	O1	Z	0	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	68.549	2
2	MP2A	Z	39.577	2
3	MP2A	Mx	-.034	2
4	MP2A	X	68.549	6
5	MP2A	Z	39.577	6
6	MP2A	Mx	-.034	6
7	MP2C	X	68.549	2
8	MP2C	Z	39.577	2
9	MP2C	Mx	.034	2
10	MP2C	X	68.549	6
11	MP2C	Z	39.577	6
12	MP2C	Mx	.034	6
13	MP3A	X	36.741	2.75
14	MP3A	Z	21.213	2.75
15	MP3A	Mx	-.018	2.75
16	MP3A	X	36.741	5.25
17	MP3A	Z	21.213	5.25
18	MP3A	Mx	-.018	5.25
19	MP3C	X	36.741	2.75
20	MP3C	Z	21.213	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3C	Mx	.018	2.75
22	MP3C	X	36.741	5.25
23	MP3C	Z	21.213	5.25
24	MP3C	Mx	.018	5.25
25	MP2A	X	32.895	3
26	MP2A	Z	18.992	3
27	MP2A	Mx	.016	3
28	MP2C	X	32.895	3
29	MP2C	Z	18.992	3
30	MP2C	Mx	.016	3
31	O1	X	43.141	1
32	O1	Z	24.907	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	57.439	2
2	MP2A	Z	99.487	2
3	MP2A	Mx	-.029	2
4	MP2A	X	57.439	6
5	MP2A	Z	99.487	6
6	MP2A	Mx	-.029	6
7	MP2C	X	30.645	2
8	MP2C	Z	53.079	2
9	MP2C	Mx	.031	2
10	MP2C	X	30.645	6
11	MP2C	Z	53.079	6
12	MP2C	Mx	.031	6
13	MP3A	X	25.68	2.75
14	MP3A	Z	44.479	2.75
15	MP3A	Mx	-.013	2.75
16	MP3A	X	25.68	5.25
17	MP3A	Z	44.479	5.25
18	MP3A	Mx	-.013	5.25
19	MP3C	X	18.979	2.75
20	MP3C	Z	32.873	2.75
21	MP3C	Mx	.019	2.75
22	MP3C	X	18.979	5.25
23	MP3C	Z	32.873	5.25
24	MP3C	Mx	.019	5.25
25	MP2A	X	23.182	3
26	MP2A	Z	40.153	3
27	MP2A	Mx	.012	3
28	MP2C	X	23.182	3
29	MP2C	Z	40.153	3
30	MP2C	Mx	.012	3
31	O1	X	30.831	1
32	O1	Z	53.401	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2
2	MP2A	Z	132.74	2
3	MP2A	Mx	0	2
4	MP2A	X	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2A	Z	132.74	6
6	MP2A	Mx	0	6
7	MP2C	X	0	2
8	MP2C	Z	79.153	2
9	MP2C	Mx	.034	2
10	MP2C	X	0	6
11	MP2C	Z	79.153	6
12	MP2C	Mx	.034	6
13	MP3A	X	0	2.75
14	MP3A	Z	55.826	2.75
15	MP3A	Mx	0	2.75
16	MP3A	X	0	5.25
17	MP3A	Z	55.826	5.25
18	MP3A	Mx	0	5.25
19	MP3C	X	0	2.75
20	MP3C	Z	42.425	2.75
21	MP3C	Mx	.018	2.75
22	MP3C	X	0	5.25
23	MP3C	Z	42.425	5.25
24	MP3C	Mx	.018	5.25
25	MP2A	X	0	3
26	MP2A	Z	50.555	3
27	MP2A	Mx	0	3
28	MP2C	X	0	3
29	MP2C	Z	50.555	3
30	MP2C	Mx	0	3
31	O1	X	0	1
32	O1	Z	67.586	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-57.439	2
2	MP2A	Z	99.487	2
3	MP2A	Mx	.029	2
4	MP2A	X	-57.439	6
5	MP2A	Z	99.487	6
6	MP2A	Mx	.029	6
7	MP2C	X	-57.439	2
8	MP2C	Z	99.487	2
9	MP2C	Mx	.029	2
10	MP2C	X	-57.439	6
11	MP2C	Z	99.487	6
12	MP2C	Mx	.029	6
13	MP3A	X	-25.68	2.75
14	MP3A	Z	44.479	2.75
15	MP3A	Mx	.013	2.75
16	MP3A	X	-25.68	5.25
17	MP3A	Z	44.479	5.25
18	MP3A	Mx	.013	5.25
19	MP3C	X	-25.68	2.75
20	MP3C	Z	44.479	2.75
21	MP3C	Mx	.013	2.75
22	MP3C	X	-25.68	5.25
23	MP3C	Z	44.479	5.25
24	MP3C	Mx	.013	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2A	X	-23.182	3
26	MP2A	Z	40.153	3
27	MP2A	Mx	-.012	3
28	MP2C	X	-23.182	3
29	MP2C	Z	40.153	3
30	MP2C	Mx	-.012	3
31	O1	X	-30.831	1
32	O1	Z	53.401	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-68.549	2
2	MP2A	Z	39.577	2
3	MP2A	Mx	.034	2
4	MP2A	X	-68.549	6
5	MP2A	Z	39.577	6
6	MP2A	Mx	.034	6
7	MP2C	X	-114.956	2
8	MP2C	Z	66.37	2
9	MP2C	Mx	0	2
10	MP2C	X	-114.956	6
11	MP2C	Z	66.37	6
12	MP2C	Mx	0	6
13	MP3A	X	-36.741	2.75
14	MP3A	Z	21.213	2.75
15	MP3A	Mx	.018	2.75
16	MP3A	X	-36.741	5.25
17	MP3A	Z	21.213	5.25
18	MP3A	Mx	.018	5.25
19	MP3C	X	-48.347	2.75
20	MP3C	Z	27.913	2.75
21	MP3C	Mx	0	2.75
22	MP3C	X	-48.347	5.25
23	MP3C	Z	27.913	5.25
24	MP3C	Mx	0	5.25
25	MP2A	X	-32.895	3
26	MP2A	Z	18.992	3
27	MP2A	Mx	-.016	3
28	MP2C	X	-32.895	3
29	MP2C	Z	18.992	3
30	MP2C	Mx	-.016	3
31	O1	X	-43.141	1
32	O1	Z	24.907	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-61.291	2
2	MP2A	Z	0	2
3	MP2A	Mx	.031	2
4	MP2A	X	-61.291	6
5	MP2A	Z	0	6
6	MP2A	Mx	.031	6
7	MP2C	X	-114.878	2
8	MP2C	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2C	Mx	-.029	2
10	MP2C	X	-114.878	6
11	MP2C	Z	0	6
12	MP2C	Mx	-.029	6
13	MP3A	X	-37.958	2.75
14	MP3A	Z	0	2.75
15	MP3A	Mx	.019	2.75
16	MP3A	X	-37.958	5.25
17	MP3A	Z	0	5.25
18	MP3A	Mx	.019	5.25
19	MP3C	X	-51.359	2.75
20	MP3C	Z	0	2.75
21	MP3C	Mx	-.013	2.75
22	MP3C	X	-51.359	5.25
23	MP3C	Z	0	5.25
24	MP3C	Mx	-.013	5.25
25	MP2A	X	-33.793	3
26	MP2A	Z	0	3
27	MP2A	Mx	-.017	3
28	MP2C	X	-33.793	3
29	MP2C	Z	0	3
30	MP2C	Mx	-.017	3
31	O1	X	-43.891	1
32	O1	Z	0	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-68.549	2
2	MP2A	Z	-39.577	2
3	MP2A	Mx	.034	2
4	MP2A	X	-68.549	6
5	MP2A	Z	-39.577	6
6	MP2A	Mx	.034	6
7	MP2C	X	-68.549	2
8	MP2C	Z	-39.577	2
9	MP2C	Mx	-.034	2
10	MP2C	X	-68.549	6
11	MP2C	Z	-39.577	6
12	MP2C	Mx	-.034	6
13	MP3A	X	-36.741	2.75
14	MP3A	Z	-21.213	2.75
15	MP3A	Mx	.018	2.75
16	MP3A	X	-36.741	5.25
17	MP3A	Z	-21.213	5.25
18	MP3A	Mx	.018	5.25
19	MP3C	X	-36.741	2.75
20	MP3C	Z	-21.213	2.75
21	MP3C	Mx	-.018	2.75
22	MP3C	X	-36.741	5.25
23	MP3C	Z	-21.213	5.25
24	MP3C	Mx	-.018	5.25
25	MP2A	X	-32.895	3
26	MP2A	Z	-18.992	3
27	MP2A	Mx	-.016	3
28	MP2C	X	-32.895	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2C	Z	-18.992	3
30	MP2C	Mx	-.016	3
31	O1	X	-43.141	1
32	O1	Z	-24.907	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-57.439	2
2	MP2A	Z	-99.487	2
3	MP2A	Mx	.029	2
4	MP2A	X	-57.439	6
5	MP2A	Z	-99.487	6
6	MP2A	Mx	.029	6
7	MP2C	X	-30.645	2
8	MP2C	Z	-53.079	2
9	MP2C	Mx	-.031	2
10	MP2C	X	-30.645	6
11	MP2C	Z	-53.079	6
12	MP2C	Mx	-.031	6
13	MP3A	X	-25.68	2.75
14	MP3A	Z	-44.479	2.75
15	MP3A	Mx	.013	2.75
16	MP3A	X	-25.68	5.25
17	MP3A	Z	-44.479	5.25
18	MP3A	Mx	.013	5.25
19	MP3C	X	-18.979	2.75
20	MP3C	Z	-32.873	2.75
21	MP3C	Mx	-.019	2.75
22	MP3C	X	-18.979	5.25
23	MP3C	Z	-32.873	5.25
24	MP3C	Mx	-.019	5.25
25	MP2A	X	-23.182	3
26	MP2A	Z	-40.153	3
27	MP2A	Mx	-.012	3
28	MP2C	X	-23.182	3
29	MP2C	Z	-40.153	3
30	MP2C	Mx	-.012	3
31	O1	X	-30.831	1
32	O1	Z	-53.401	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2
2	MP2A	Z	-24.038	2
3	MP2A	Mx	0	2
4	MP2A	X	0	6
5	MP2A	Z	-24.038	6
6	MP2A	Mx	0	6
7	MP2C	X	0	2
8	MP2C	Z	-14.773	2
9	MP2C	Mx	-.006	2
10	MP2C	X	0	6
11	MP2C	Z	-14.773	6
12	MP2C	Mx	-.006	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3A	X	0	2.75
14	MP3A	Z	-10.527	2.75
15	MP3A	Mx	0	2.75
16	MP3A	X	0	5.25
17	MP3A	Z	-10.527	5.25
18	MP3A	Mx	0	5.25
19	MP3C	X	0	2.75
20	MP3C	Z	-8.127	2.75
21	MP3C	Mx	-.004	2.75
22	MP3C	X	0	5.25
23	MP3C	Z	-8.127	5.25
24	MP3C	Mx	-.004	5.25
25	MP2A	X	0	3
26	MP2A	Z	-10.014	3
27	MP2A	Mx	0	3
28	MP2C	X	0	3
29	MP2C	Z	-10.014	3
30	MP2C	Mx	0	3
31	O1	X	0	1
32	O1	Z	-13.072	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	10.475	2
2	MP2A	Z	-18.143	2
3	MP2A	Mx	-.005	2
4	MP2A	X	10.475	6
5	MP2A	Z	-18.143	6
6	MP2A	Mx	-.005	6
7	MP2C	X	10.475	2
8	MP2C	Z	-18.143	2
9	MP2C	Mx	-.005	2
10	MP2C	X	10.475	6
11	MP2C	Z	-18.143	6
12	MP2C	Mx	-.005	6
13	MP3A	X	4.864	2.75
14	MP3A	Z	-8.424	2.75
15	MP3A	Mx	-.002	2.75
16	MP3A	X	4.864	5.25
17	MP3A	Z	-8.424	5.25
18	MP3A	Mx	-.002	5.25
19	MP3C	X	4.864	2.75
20	MP3C	Z	-8.424	2.75
21	MP3C	Mx	-.002	2.75
22	MP3C	X	4.864	5.25
23	MP3C	Z	-8.424	5.25
24	MP3C	Mx	-.002	5.25
25	MP2A	X	4.623	3
26	MP2A	Z	-8.008	3
27	MP2A	Mx	.002	3
28	MP2C	X	4.623	3
29	MP2C	Z	-8.008	3
30	MP2C	Mx	.002	3
31	O1	X	6.007	1
32	O1	Z	-10.404	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	12.794	2
2	MP2A	Z	-7.387	2
3	MP2A	Mx	-.006	2
4	MP2A	X	12.794	6
5	MP2A	Z	-7.387	6
6	MP2A	Mx	-.006	6
7	MP2C	X	20.818	2
8	MP2C	Z	-12.019	2
9	MP2C	Mx	0	2
10	MP2C	X	20.818	6
11	MP2C	Z	-12.019	6
12	MP2C	Mx	0	6
13	MP3A	X	7.038	2.75
14	MP3A	Z	-4.064	2.75
15	MP3A	Mx	-.004	2.75
16	MP3A	X	7.038	5.25
17	MP3A	Z	-4.064	5.25
18	MP3A	Mx	-.004	5.25
19	MP3C	X	9.117	2.75
20	MP3C	Z	-5.263	2.75
21	MP3C	Mx	0	2.75
22	MP3C	X	9.117	5.25
23	MP3C	Z	-5.263	5.25
24	MP3C	Mx	0	5.25
25	MP2A	X	6.678	3
26	MP2A	Z	-3.855	3
27	MP2A	Mx	.003	3
28	MP2C	X	6.678	3
29	MP2C	Z	-3.855	3
30	MP2C	Mx	.003	3
31	O1	X	8.572	1
32	O1	Z	-4.949	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	11.685	2
2	MP2A	Z	0	2
3	MP2A	Mx	-.006	2
4	MP2A	X	11.685	6
5	MP2A	Z	0	6
6	MP2A	Mx	-.006	6
7	MP2C	X	20.95	2
8	MP2C	Z	0	2
9	MP2C	Mx	.005	2
10	MP2C	X	20.95	6
11	MP2C	Z	0	6
12	MP2C	Mx	.005	6
13	MP3A	X	7.327	2.75
14	MP3A	Z	0	2.75
15	MP3A	Mx	-.004	2.75
16	MP3A	X	7.327	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3A	Z	0	5.25
18	MP3A	Mx	-.004	5.25
19	MP3C	X	9.727	2.75
20	MP3C	Z	0	2.75
21	MP3C	Mx	.002	2.75
22	MP3C	X	9.727	5.25
23	MP3C	Z	0	5.25
24	MP3C	Mx	.002	5.25
25	MP2A	X	6.943	3
26	MP2A	Z	0	3
27	MP2A	Mx	.003	3
28	MP2C	X	6.943	3
29	MP2C	Z	0	3
30	MP2C	Mx	.003	3
31	O1	X	8.84	1
32	O1	Z	0	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	12.794	2
2	MP2A	Z	7.387	2
3	MP2A	Mx	-.006	2
4	MP2A	X	12.794	6
5	MP2A	Z	7.387	6
6	MP2A	Mx	-.006	6
7	MP2C	X	12.794	2
8	MP2C	Z	7.387	2
9	MP2C	Mx	.006	2
10	MP2C	X	12.794	6
11	MP2C	Z	7.387	6
12	MP2C	Mx	.006	6
13	MP3A	X	7.038	2.75
14	MP3A	Z	4.064	2.75
15	MP3A	Mx	-.004	2.75
16	MP3A	X	7.038	5.25
17	MP3A	Z	4.064	5.25
18	MP3A	Mx	-.004	5.25
19	MP3C	X	7.038	2.75
20	MP3C	Z	4.064	2.75
21	MP3C	Mx	.004	2.75
22	MP3C	X	7.038	5.25
23	MP3C	Z	4.064	5.25
24	MP3C	Mx	.004	5.25
25	MP2A	X	6.678	3
26	MP2A	Z	3.855	3
27	MP2A	Mx	.003	3
28	MP2C	X	6.678	3
29	MP2C	Z	3.855	3
30	MP2C	Mx	.003	3
31	O1	X	8.572	1
32	O1	Z	4.949	1
33	O1	Mx	0	1

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	10.475	2
2	MP2A	Z	18.143	2
3	MP2A	Mx	-.005	2
4	MP2A	X	10.475	6
5	MP2A	Z	18.143	6
6	MP2A	Mx	-.005	6
7	MP2C	X	5.843	2
8	MP2C	Z	10.12	2
9	MP2C	Mx	.006	2
10	MP2C	X	5.843	6
11	MP2C	Z	10.12	6
12	MP2C	Mx	.006	6
13	MP3A	X	4.864	2.75
14	MP3A	Z	8.424	2.75
15	MP3A	Mx	-.002	2.75
16	MP3A	X	4.864	5.25
17	MP3A	Z	8.424	5.25
18	MP3A	Mx	-.002	5.25
19	MP3C	X	3.664	2.75
20	MP3C	Z	6.346	2.75
21	MP3C	Mx	.004	2.75
22	MP3C	X	3.664	5.25
23	MP3C	Z	6.346	5.25
24	MP3C	Mx	.004	5.25
25	MP2A	X	4.623	3
26	MP2A	Z	8.008	3
27	MP2A	Mx	.002	3
28	MP2C	X	4.623	3
29	MP2C	Z	8.008	3
30	MP2C	Mx	.002	3
31	O1	X	6.007	1
32	O1	Z	10.404	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2
2	MP2A	Z	24.038	2
3	MP2A	Mx	0	2
4	MP2A	X	0	6
5	MP2A	Z	24.038	6
6	MP2A	Mx	0	6
7	MP2C	X	0	2
8	MP2C	Z	14.773	2
9	MP2C	Mx	.006	2
10	MP2C	X	0	6
11	MP2C	Z	14.773	6
12	MP2C	Mx	.006	6
13	MP3A	X	0	2.75
14	MP3A	Z	10.527	2.75
15	MP3A	Mx	0	2.75
16	MP3A	X	0	5.25
17	MP3A	Z	10.527	5.25
18	MP3A	Mx	0	5.25
19	MP3C	X	0	2.75
20	MP3C	Z	8.127	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3C	Mx	.004	2.75
22	MP3C	X	0	5.25
23	MP3C	Z	8.127	5.25
24	MP3C	Mx	.004	5.25
25	MP2A	X	0	3
26	MP2A	Z	10.014	3
27	MP2A	Mx	0	3
28	MP2C	X	0	3
29	MP2C	Z	10.014	3
30	MP2C	Mx	0	3
31	O1	X	0	1
32	O1	Z	13.072	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-10.475	2
2	MP2A	Z	18.143	2
3	MP2A	Mx	.005	2
4	MP2A	X	-10.475	6
5	MP2A	Z	18.143	6
6	MP2A	Mx	.005	6
7	MP2C	X	-10.475	2
8	MP2C	Z	18.143	2
9	MP2C	Mx	.005	2
10	MP2C	X	-10.475	6
11	MP2C	Z	18.143	6
12	MP2C	Mx	.005	6
13	MP3A	X	-4.864	2.75
14	MP3A	Z	8.424	2.75
15	MP3A	Mx	.002	2.75
16	MP3A	X	-4.864	5.25
17	MP3A	Z	8.424	5.25
18	MP3A	Mx	.002	5.25
19	MP3C	X	-4.864	2.75
20	MP3C	Z	8.424	2.75
21	MP3C	Mx	.002	2.75
22	MP3C	X	-4.864	5.25
23	MP3C	Z	8.424	5.25
24	MP3C	Mx	.002	5.25
25	MP2A	X	-4.623	3
26	MP2A	Z	8.008	3
27	MP2A	Mx	-.002	3
28	MP2C	X	-4.623	3
29	MP2C	Z	8.008	3
30	MP2C	Mx	-.002	3
31	O1	X	-6.007	1
32	O1	Z	10.404	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-12.794	2
2	MP2A	Z	7.387	2
3	MP2A	Mx	.006	2
4	MP2A	X	-12.794	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2A	Z	7.387	6
6	MP2A	Mx	.006	6
7	MP2C	X	-20.818	2
8	MP2C	Z	12.019	2
9	MP2C	Mx	0	2
10	MP2C	X	-20.818	6
11	MP2C	Z	12.019	6
12	MP2C	Mx	0	6
13	MP3A	X	-7.038	2.75
14	MP3A	Z	4.064	2.75
15	MP3A	Mx	.004	2.75
16	MP3A	X	-7.038	5.25
17	MP3A	Z	4.064	5.25
18	MP3A	Mx	.004	5.25
19	MP3C	X	-9.117	2.75
20	MP3C	Z	5.263	2.75
21	MP3C	Mx	0	2.75
22	MP3C	X	-9.117	5.25
23	MP3C	Z	5.263	5.25
24	MP3C	Mx	0	5.25
25	MP2A	X	-6.678	3
26	MP2A	Z	3.855	3
27	MP2A	Mx	-.003	3
28	MP2C	X	-6.678	3
29	MP2C	Z	3.855	3
30	MP2C	Mx	-.003	3
31	O1	X	-8.572	1
32	O1	Z	4.949	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-11.685	2
2	MP2A	Z	0	2
3	MP2A	Mx	.006	2
4	MP2A	X	-11.685	6
5	MP2A	Z	0	6
6	MP2A	Mx	.006	6
7	MP2C	X	-20.95	2
8	MP2C	Z	0	2
9	MP2C	Mx	-.005	2
10	MP2C	X	-20.95	6
11	MP2C	Z	0	6
12	MP2C	Mx	-.005	6
13	MP3A	X	-7.327	2.75
14	MP3A	Z	0	2.75
15	MP3A	Mx	.004	2.75
16	MP3A	X	-7.327	5.25
17	MP3A	Z	0	5.25
18	MP3A	Mx	.004	5.25
19	MP3C	X	-9.727	2.75
20	MP3C	Z	0	2.75
21	MP3C	Mx	-.002	2.75
22	MP3C	X	-9.727	5.25
23	MP3C	Z	0	5.25
24	MP3C	Mx	-.002	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2A	X	-6.943	3
26	MP2A	Z	0	3
27	MP2A	Mx	-.003	3
28	MP2C	X	-6.943	3
29	MP2C	Z	0	3
30	MP2C	Mx	-.003	3
31	O1	X	-8.84	1
32	O1	Z	0	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-12.794	2
2	MP2A	Z	-7.387	2
3	MP2A	Mx	.006	2
4	MP2A	X	-12.794	6
5	MP2A	Z	-7.387	6
6	MP2A	Mx	.006	6
7	MP2C	X	-12.794	2
8	MP2C	Z	-7.387	2
9	MP2C	Mx	-.006	2
10	MP2C	X	-12.794	6
11	MP2C	Z	-7.387	6
12	MP2C	Mx	-.006	6
13	MP3A	X	-7.038	2.75
14	MP3A	Z	-4.064	2.75
15	MP3A	Mx	.004	2.75
16	MP3A	X	-7.038	5.25
17	MP3A	Z	-4.064	5.25
18	MP3A	Mx	.004	5.25
19	MP3C	X	-7.038	2.75
20	MP3C	Z	-4.064	2.75
21	MP3C	Mx	-.004	2.75
22	MP3C	X	-7.038	5.25
23	MP3C	Z	-4.064	5.25
24	MP3C	Mx	-.004	5.25
25	MP2A	X	-6.678	3
26	MP2A	Z	-3.855	3
27	MP2A	Mx	-.003	3
28	MP2C	X	-6.678	3
29	MP2C	Z	-3.855	3
30	MP2C	Mx	-.003	3
31	O1	X	-8.572	1
32	O1	Z	-4.949	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-10.475	2
2	MP2A	Z	-18.143	2
3	MP2A	Mx	.005	2
4	MP2A	X	-10.475	6
5	MP2A	Z	-18.143	6
6	MP2A	Mx	.005	6
7	MP2C	X	-5.843	2
8	MP2C	Z	-10.12	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2C	Mx	-.006	2
10	MP2C	X	-5.843	6
11	MP2C	Z	-10.12	6
12	MP2C	Mx	-.006	6
13	MP3A	X	-4.864	2.75
14	MP3A	Z	-8.424	2.75
15	MP3A	Mx	.002	2.75
16	MP3A	X	-4.864	5.25
17	MP3A	Z	-8.424	5.25
18	MP3A	Mx	.002	5.25
19	MP3C	X	-3.664	2.75
20	MP3C	Z	-6.346	2.75
21	MP3C	Mx	-.004	2.75
22	MP3C	X	-3.664	5.25
23	MP3C	Z	-6.346	5.25
24	MP3C	Mx	-.004	5.25
25	MP2A	X	-4.623	3
26	MP2A	Z	-8.008	3
27	MP2A	Mx	-.002	3
28	MP2C	X	-4.623	3
29	MP2C	Z	-8.008	3
30	MP2C	Mx	-.002	3
31	O1	X	-6.007	1
32	O1	Z	-10.404	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2
2	MP2A	Z	-8.026	2
3	MP2A	Mx	0	2
4	MP2A	X	0	6
5	MP2A	Z	-8.026	6
6	MP2A	Mx	0	6
7	MP2C	X	0	2
8	MP2C	Z	-4.786	2
9	MP2C	Mx	-.002	2
10	MP2C	X	0	6
11	MP2C	Z	-4.786	6
12	MP2C	Mx	-.002	6
13	MP3A	X	0	2.75
14	MP3A	Z	-3.376	2.75
15	MP3A	Mx	0	2.75
16	MP3A	X	0	5.25
17	MP3A	Z	-3.376	5.25
18	MP3A	Mx	0	5.25
19	MP3C	X	0	2.75
20	MP3C	Z	-2.565	2.75
21	MP3C	Mx	-.001	2.75
22	MP3C	X	0	5.25
23	MP3C	Z	-2.565	5.25
24	MP3C	Mx	-.001	5.25
25	MP2A	X	0	3
26	MP2A	Z	-3.057	3
27	MP2A	Mx	0	3
28	MP2C	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2C	Z	-3.057	3
30	MP2C	Mx	0	3
31	O1	X	0	1
32	O1	Z	-4.087	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.473	2
2	MP2A	Z	-6.016	2
3	MP2A	Mx	-.002	2
4	MP2A	X	3.473	6
5	MP2A	Z	-6.016	6
6	MP2A	Mx	-.002	6
7	MP2C	X	3.473	2
8	MP2C	Z	-6.016	2
9	MP2C	Mx	-.002	2
10	MP2C	X	3.473	6
11	MP2C	Z	-6.016	6
12	MP2C	Mx	-.002	6
13	MP3A	X	1.553	2.75
14	MP3A	Z	-2.69	2.75
15	MP3A	Mx	-.000776	2.75
16	MP3A	X	1.553	5.25
17	MP3A	Z	-2.69	5.25
18	MP3A	Mx	-.000776	5.25
19	MP3C	X	1.553	2.75
20	MP3C	Z	-2.69	2.75
21	MP3C	Mx	-.000777	2.75
22	MP3C	X	1.553	5.25
23	MP3C	Z	-2.69	5.25
24	MP3C	Mx	-.000777	5.25
25	MP2A	X	1.402	3
26	MP2A	Z	-2.428	3
27	MP2A	Mx	.000701	3
28	MP2C	X	1.402	3
29	MP2C	Z	-2.428	3
30	MP2C	Mx	.000701	3
31	O1	X	1.864	1
32	O1	Z	-3.229	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.145	2
2	MP2A	Z	-2.393	2
3	MP2A	Mx	-.002	2
4	MP2A	X	4.145	6
5	MP2A	Z	-2.393	6
6	MP2A	Mx	-.002	6
7	MP2C	X	6.951	2
8	MP2C	Z	-4.013	2
9	MP2C	Mx	0	2
10	MP2C	X	6.951	6
11	MP2C	Z	-4.013	6
12	MP2C	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3A	X	2.222	2.75
14	MP3A	Z	-1.283	2.75
15	MP3A	Mx	-.001	2.75
16	MP3A	X	2.222	5.25
17	MP3A	Z	-1.283	5.25
18	MP3A	Mx	-.001	5.25
19	MP3C	X	2.923	2.75
20	MP3C	Z	-1.688	2.75
21	MP3C	Mx	0	2.75
22	MP3C	X	2.923	5.25
23	MP3C	Z	-1.688	5.25
24	MP3C	Mx	0	5.25
25	MP2A	X	1.989	3
26	MP2A	Z	-1.148	3
27	MP2A	Mx	.000995	3
28	MP2C	X	1.989	3
29	MP2C	Z	-1.148	3
30	MP2C	Mx	.000995	3
31	O1	X	2.609	1
32	O1	Z	-1.506	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.706	2
2	MP2A	Z	0	2
3	MP2A	Mx	-.002	2
4	MP2A	X	3.706	6
5	MP2A	Z	0	6
6	MP2A	Mx	-.002	6
7	MP2C	X	6.946	2
8	MP2C	Z	0	2
9	MP2C	Mx	.002	2
10	MP2C	X	6.946	6
11	MP2C	Z	0	6
12	MP2C	Mx	.002	6
13	MP3A	X	2.295	2.75
14	MP3A	Z	0	2.75
15	MP3A	Mx	-.001	2.75
16	MP3A	X	2.295	5.25
17	MP3A	Z	0	5.25
18	MP3A	Mx	-.001	5.25
19	MP3C	X	3.106	2.75
20	MP3C	Z	0	2.75
21	MP3C	Mx	.000776	2.75
22	MP3C	X	3.106	5.25
23	MP3C	Z	0	5.25
24	MP3C	Mx	.000776	5.25
25	MP2A	X	2.043	3
26	MP2A	Z	0	3
27	MP2A	Mx	.001	3
28	MP2C	X	2.043	3
29	MP2C	Z	0	3
30	MP2C	Mx	.001	3
31	O1	X	2.654	1
32	O1	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.145	2
2	MP2A	Z	2.393	2
3	MP2A	Mx	-.002	2
4	MP2A	X	4.145	6
5	MP2A	Z	2.393	6
6	MP2A	Mx	-.002	6
7	MP2C	X	4.145	2
8	MP2C	Z	2.393	2
9	MP2C	Mx	.002	2
10	MP2C	X	4.145	6
11	MP2C	Z	2.393	6
12	MP2C	Mx	.002	6
13	MP3A	X	2.222	2.75
14	MP3A	Z	1.283	2.75
15	MP3A	Mx	-.001	2.75
16	MP3A	X	2.222	5.25
17	MP3A	Z	1.283	5.25
18	MP3A	Mx	-.001	5.25
19	MP3C	X	2.222	2.75
20	MP3C	Z	1.283	2.75
21	MP3C	Mx	.001	2.75
22	MP3C	X	2.222	5.25
23	MP3C	Z	1.283	5.25
24	MP3C	Mx	.001	5.25
25	MP2A	X	1.989	3
26	MP2A	Z	1.148	3
27	MP2A	Mx	.000995	3
28	MP2C	X	1.989	3
29	MP2C	Z	1.148	3
30	MP2C	Mx	.000995	3
31	O1	X	2.609	1
32	O1	Z	1.506	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.473	2
2	MP2A	Z	6.016	2
3	MP2A	Mx	-.002	2
4	MP2A	X	3.473	6
5	MP2A	Z	6.016	6
6	MP2A	Mx	-.002	6
7	MP2C	X	1.853	2
8	MP2C	Z	3.21	2
9	MP2C	Mx	.002	2
10	MP2C	X	1.853	6
11	MP2C	Z	3.21	6
12	MP2C	Mx	.002	6
13	MP3A	X	1.553	2.75
14	MP3A	Z	2.69	2.75
15	MP3A	Mx	-.000776	2.75
16	MP3A	X	1.553	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3A	Z	2.69	5.25
18	MP3A	Mx	-.000776	5.25
19	MP3C	X	1.148	2.75
20	MP3C	Z	1.988	2.75
21	MP3C	Mx	.001	2.75
22	MP3C	X	1.148	5.25
23	MP3C	Z	1.988	5.25
24	MP3C	Mx	.001	5.25
25	MP2A	X	1.402	3
26	MP2A	Z	2.428	3
27	MP2A	Mx	.000701	3
28	MP2C	X	1.402	3
29	MP2C	Z	2.428	3
30	MP2C	Mx	.000701	3
31	O1	X	1.864	1
32	O1	Z	3.229	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2
2	MP2A	Z	8.026	2
3	MP2A	Mx	0	2
4	MP2A	X	0	6
5	MP2A	Z	8.026	6
6	MP2A	Mx	0	6
7	MP2C	X	0	2
8	MP2C	Z	4.786	2
9	MP2C	Mx	.002	2
10	MP2C	X	0	6
11	MP2C	Z	4.786	6
12	MP2C	Mx	.002	6
13	MP3A	X	0	2.75
14	MP3A	Z	3.376	2.75
15	MP3A	Mx	0	2.75
16	MP3A	X	0	5.25
17	MP3A	Z	3.376	5.25
18	MP3A	Mx	0	5.25
19	MP3C	X	0	2.75
20	MP3C	Z	2.565	2.75
21	MP3C	Mx	.001	2.75
22	MP3C	X	0	5.25
23	MP3C	Z	2.565	5.25
24	MP3C	Mx	.001	5.25
25	MP2A	X	0	3
26	MP2A	Z	3.057	3
27	MP2A	Mx	0	3
28	MP2C	X	0	3
29	MP2C	Z	3.057	3
30	MP2C	Mx	0	3
31	O1	X	0	1
32	O1	Z	4.087	1
33	O1	Mx	0	1

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.473	2
2	MP2A	Z	6.016	2
3	MP2A	Mx	.002	2
4	MP2A	X	-3.473	6
5	MP2A	Z	6.016	6
6	MP2A	Mx	.002	6
7	MP2C	X	-3.473	2
8	MP2C	Z	6.016	2
9	MP2C	Mx	.002	2
10	MP2C	X	-3.473	6
11	MP2C	Z	6.016	6
12	MP2C	Mx	.002	6
13	MP3A	X	-1.553	2.75
14	MP3A	Z	2.69	2.75
15	MP3A	Mx	.000776	2.75
16	MP3A	X	-1.553	5.25
17	MP3A	Z	2.69	5.25
18	MP3A	Mx	.000776	5.25
19	MP3C	X	-1.553	2.75
20	MP3C	Z	2.69	2.75
21	MP3C	Mx	.000777	2.75
22	MP3C	X	-1.553	5.25
23	MP3C	Z	2.69	5.25
24	MP3C	Mx	.000777	5.25
25	MP2A	X	-1.402	3
26	MP2A	Z	2.428	3
27	MP2A	Mx	-.000701	3
28	MP2C	X	-1.402	3
29	MP2C	Z	2.428	3
30	MP2C	Mx	-.000701	3
31	O1	X	-1.864	1
32	O1	Z	3.229	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.145	2
2	MP2A	Z	2.393	2
3	MP2A	Mx	.002	2
4	MP2A	X	-4.145	6
5	MP2A	Z	2.393	6
6	MP2A	Mx	.002	6
7	MP2C	X	-6.951	2
8	MP2C	Z	4.013	2
9	MP2C	Mx	0	2
10	MP2C	X	-6.951	6
11	MP2C	Z	4.013	6
12	MP2C	Mx	0	6
13	MP3A	X	-2.222	2.75
14	MP3A	Z	1.283	2.75
15	MP3A	Mx	.001	2.75
16	MP3A	X	-2.222	5.25
17	MP3A	Z	1.283	5.25
18	MP3A	Mx	.001	5.25
19	MP3C	X	-2.923	2.75
20	MP3C	Z	1.688	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3C	Mx	0	2.75
22	MP3C	X	-2.923	5.25
23	MP3C	Z	1.688	5.25
24	MP3C	Mx	0	5.25
25	MP2A	X	-1.989	3
26	MP2A	Z	1.148	3
27	MP2A	Mx	-.000995	3
28	MP2C	X	-1.989	3
29	MP2C	Z	1.148	3
30	MP2C	Mx	-.000995	3
31	O1	X	-2.609	1
32	O1	Z	1.506	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.706	2
2	MP2A	Z	0	2
3	MP2A	Mx	.002	2
4	MP2A	X	-3.706	6
5	MP2A	Z	0	6
6	MP2A	Mx	.002	6
7	MP2C	X	-6.946	2
8	MP2C	Z	0	2
9	MP2C	Mx	-.002	2
10	MP2C	X	-6.946	6
11	MP2C	Z	0	6
12	MP2C	Mx	-.002	6
13	MP3A	X	-2.295	2.75
14	MP3A	Z	0	2.75
15	MP3A	Mx	.001	2.75
16	MP3A	X	-2.295	5.25
17	MP3A	Z	0	5.25
18	MP3A	Mx	.001	5.25
19	MP3C	X	-3.106	2.75
20	MP3C	Z	0	2.75
21	MP3C	Mx	-.000776	2.75
22	MP3C	X	-3.106	5.25
23	MP3C	Z	0	5.25
24	MP3C	Mx	-.000776	5.25
25	MP2A	X	-2.043	3
26	MP2A	Z	0	3
27	MP2A	Mx	-.001	3
28	MP2C	X	-2.043	3
29	MP2C	Z	0	3
30	MP2C	Mx	-.001	3
31	O1	X	-2.654	1
32	O1	Z	0	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.145	2
2	MP2A	Z	-2.393	2
3	MP2A	Mx	.002	2
4	MP2A	X	-4.145	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2A	Z	-2.393	6
6	MP2A	Mx	.002	6
7	MP2C	X	-4.145	2
8	MP2C	Z	-2.393	2
9	MP2C	Mx	-.002	2
10	MP2C	X	-4.145	6
11	MP2C	Z	-2.393	6
12	MP2C	Mx	-.002	6
13	MP3A	X	-2.222	2.75
14	MP3A	Z	-1.283	2.75
15	MP3A	Mx	.001	2.75
16	MP3A	X	-2.222	5.25
17	MP3A	Z	-1.283	5.25
18	MP3A	Mx	.001	5.25
19	MP3C	X	-2.222	2.75
20	MP3C	Z	-1.283	2.75
21	MP3C	Mx	-.001	2.75
22	MP3C	X	-2.222	5.25
23	MP3C	Z	-1.283	5.25
24	MP3C	Mx	-.001	5.25
25	MP2A	X	-1.989	3
26	MP2A	Z	-1.148	3
27	MP2A	Mx	-.000995	3
28	MP2C	X	-1.989	3
29	MP2C	Z	-1.148	3
30	MP2C	Mx	-.000995	3
31	O1	X	-2.609	1
32	O1	Z	-1.506	1
33	O1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.473	2
2	MP2A	Z	-6.016	2
3	MP2A	Mx	.002	2
4	MP2A	X	-3.473	6
5	MP2A	Z	-6.016	6
6	MP2A	Mx	.002	6
7	MP2C	X	-1.853	2
8	MP2C	Z	-3.21	2
9	MP2C	Mx	-.002	2
10	MP2C	X	-1.853	6
11	MP2C	Z	-3.21	6
12	MP2C	Mx	-.002	6
13	MP3A	X	-1.553	2.75
14	MP3A	Z	-2.69	2.75
15	MP3A	Mx	.000776	2.75
16	MP3A	X	-1.553	5.25
17	MP3A	Z	-2.69	5.25
18	MP3A	Mx	.000776	5.25
19	MP3C	X	-1.148	2.75
20	MP3C	Z	-1.988	2.75
21	MP3C	Mx	-.001	2.75
22	MP3C	X	-1.148	5.25
23	MP3C	Z	-1.988	5.25
24	MP3C	Mx	-.001	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2A	X	-1.402	3
26	MP2A	Z	-2.428	3
27	MP2A	Mx	-.000701	3
28	MP2C	X	-1.402	3
29	MP2C	Z	-2.428	3
30	MP2C	Mx	-.000701	3
31	O1	X	-1.864	1
32	O1	Z	-3.229	1
33	O1	Mx	0	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M20	Y	-500	%63

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M20	Y	-500	%37

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M20	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M20	Y	-250	%100

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	Y	-5.892	-5.892	0	%100
2	M32	Y	-5.892	-5.892	0	%100
3	M33A	Y	-5.892	-5.892	0	%100
4	M41A	Y	-8.68	-8.68	0	%100
5	M42_1	Y	-8.68	-8.68	0	%100
6	M43A_1	Y	-9.15	-9.15	0	%100
7	M46A	Y	-5.024	-5.024	0	%100
8	M47	Y	-5.024	-5.024	0	%100
9	M64	Y	-9.138	-9.138	0	%100
10	M65	Y	-9.138	-9.138	0	%100
11	M71	Y	-9.15	-9.15	0	%100
12	M86	Y	-9.138	-9.138	0	%100
13	M87	Y	-9.138	-9.138	0	%100
14	M90	Y	-9.15	-9.15	0	%100
15	M51A	Y	-8.68	-8.68	0	%100
16	M52	Y	-8.68	-8.68	0	%100
17	M53A	Y	-9.15	-9.15	0	%100
18	M56	Y	-5.024	-5.024	0	%100
19	M57	Y	-5.024	-5.024	0	%100
20	M62	Y	-9.138	-9.138	0	%100
21	M63	Y	-9.138	-9.138	0	%100
22	M65A	Y	-9.15	-9.15	0	%100
23	M67	Y	-9.138	-9.138	0	%100
24	M68A	Y	-9.138	-9.138	0	%100
25	M70	Y	-9.15	-9.15	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
26	M72A	Y	-8.68	-8.68	0	%100
27	M73	Y	-8.68	-8.68	0	%100
28	M74	Y	-8.68	-8.68	0	%100
29	M75	Y	-9.15	-9.15	0	%100
30	M78	Y	-5.024	-5.024	0	%100
31	M79	Y	-5.024	-5.024	0	%100
32	M84	Y	-9.138	-9.138	0	%100
33	M85	Y	-9.138	-9.138	0	%100
34	M87A	Y	-9.15	-9.15	0	%100
35	M89A	Y	-9.138	-9.138	0	%100
36	M90A	Y	-9.138	-9.138	0	%100
37	M92	Y	-9.15	-9.15	0	%100
38	M70A	Y	-4.438	-4.438	0	%100
39	M71B	Y	-4.438	-4.438	0	%100
40	M72B	Y	-4.438	-4.438	0	%100
41	MP4A	Y	-4.438	-4.438	0	%100
42	MP3A	Y	-4.438	-4.438	0	%100
43	MP2A	Y	-4.438	-4.438	0	%100
44	MP1A	Y	-4.438	-4.438	0	%100
45	MP4C	Y	-4.438	-4.438	0	%100
46	MP3C	Y	-4.438	-4.438	0	%100
47	MP2C	Y	-4.438	-4.438	0	%100
48	MP1C	Y	-4.438	-4.438	0	%100
49	MP4B	Y	-4.438	-4.438	0	%100
50	MP3B	Y	-4.438	-4.438	0	%100
51	MP2B	Y	-4.438	-4.438	0	%100
52	MP1B	Y	-4.438	-4.438	0	%100
53	O1	Y	-4.438	-4.438	0	%100
54	M113	Y	-5.938	-5.938	0	%100
55	M116	Y	-5.938	-5.938	0	%100
56	M119A	Y	-5.938	-5.938	0	%100
57	M118A	Y	-8.68	-8.68	0	%100
58	M119B	Y	-8.68	-8.68	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[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	-9.462	-9.462	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	-2.366	-2.366	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	-2.366	-2.366	0	%100
7	M41A	X	0	0	0	%100
8	M41A	Z	-2.214	-2.214	0	%100
9	M42_1	X	0	0	0	%100
10	M42_1	Z	-2.214	-2.214	0	%100
11	M43A_1	X	0	0	0	%100
12	M43A_1	Z	-4.055	-4.055	0	%100
13	M46A	X	0	0	0	%100
14	M46A	Z	-2.208	-2.208	0	%100
15	M47	X	0	0	0	%100
16	M47	Z	-8.831	-8.831	0	%100
17	M64	X	0	0	0	%100
18	M64	Z	-12.241	-12.241	0	%100
19	M65	X	0	0	0	%100
20	M65	Z	-16.521	-16.521	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[ft,%]	End Location[ft,%]
21	M71	X	0	0	0	%100
22	M71	Z	-17.122	-17.122	0	%100
23	M86	X	0	0	0	%100
24	M86	Z	-12.241	-12.241	0	%100
25	M87	X	0	0	0	%100
26	M87	Z	-4.13	-4.13	0	%100
27	M90	X	0	0	0	%100
28	M90	Z	-4.28	-4.28	0	%100
29	M51A	X	0	0	0	%100
30	M51A	Z	-2.214	-2.214	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	-2.214	-2.214	0	%100
33	M53A	X	0	0	0	%100
34	M53A	Z	-4.055	-4.055	0	%100
35	M56	X	0	0	0	%100
36	M56	Z	-8.83	-8.83	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	-2.208	-2.208	0	%100
39	M62	X	0	0	0	%100
40	M62	Z	-12.241	-12.241	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	-4.13	-4.13	0	%100
43	M65A	X	0	0	0	%100
44	M65A	Z	-4.28	-4.28	0	%100
45	M67	X	0	0	0	%100
46	M67	Z	-12.241	-12.241	0	%100
47	M68A	X	0	0	0	%100
48	M68A	Z	-16.521	-16.521	0	%100
49	M70	X	0	0	0	%100
50	M70	Z	-17.122	-17.122	0	%100
51	M72A	X	0	0	0	%100
52	M72A	Z	0	0	0	%100
53	M73	X	0	0	0	%100
54	M73	Z	-8.857	-8.857	0	%100
55	M74	X	0	0	0	%100
56	M74	Z	-8.857	-8.857	0	%100
57	M75	X	0	0	0	%100
58	M75	Z	-16.221	-16.221	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	-2.208	-2.208	0	%100
61	M79	X	0	0	0	%100
62	M79	Z	-2.208	-2.208	0	%100
63	M84	X	0	0	0	%100
64	M84	Z	0	0	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	-4.13	-4.13	0	%100
67	M87A	X	0	0	0	%100
68	M87A	Z	-4.28	-4.28	0	%100
69	M89A	X	0	0	0	%100
70	M89A	Z	0	0	0	%100
71	M90A	X	0	0	0	%100
72	M90A	Z	-4.13	-4.13	0	%100
73	M92	X	0	0	0	%100
74	M92	Z	-4.28	-4.28	0	%100
75	M70A	X	0	0	0	%100
76	M70A	Z	-6.421	-6.421	0	%100
77	M71B	X	0	0	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[ft,%]	End Location[ft,%]
78	M71B	Z	-1.605	-1.605	0	%100
79	M72B	X	0	0	0	%100
80	M72B	Z	-1.605	-1.605	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-6.421	-6.421	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-6.421	-6.421	0	%100
85	MP2A	X	0	0	0	%100
86	MP2A	Z	-6.421	-6.421	0	%100
87	MP1A	X	0	0	0	%100
88	MP1A	Z	-6.421	-6.421	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-6.421	-6.421	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-6.421	-6.421	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-6.421	-6.421	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	-6.421	-6.421	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-6.421	-6.421	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-6.421	-6.421	0	%100
101	MP2B	X	0	0	0	%100
102	MP2B	Z	-6.421	-6.421	0	%100
103	MP1B	X	0	0	0	%100
104	MP1B	Z	-6.421	-6.421	0	%100
105	O1	X	0	0	0	%100
106	O1	Z	-5.25	-5.25	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	-1.899	-1.899	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	-1.899	-1.899	0	%100
111	M119A	X	0	0	0	%100
112	M119A	Z	-7.597	-7.597	0	%100
113	M118A	X	0	0	0	%100
114	M118A	Z	-7.282	-7.282	0	%100
115	M119B	X	0	0	0	%100
116	M119B	Z	-7.282	-7.282	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[ft,%]	End Location[ft,%]
1	M20	X	3.548	3.548	0	%100
2	M20	Z	-6.146	-6.146	0	%100
3	M32	X	3.548	3.548	0	%100
4	M32	Z	-6.146	-6.146	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	0	0	0	%100
7	M41A	X	3.321	3.321	0	%100
8	M41A	Z	-5.753	-5.753	0	%100
9	M42_1	X	3.321	3.321	0	%100
10	M42_1	Z	-5.753	-5.753	0	%100
11	M43A_1	X	6.083	6.083	0	%100
12	M43A_1	Z	-10.536	-10.536	0	%100
13	M46A	X	0	0	0	%100
14	M46A	Z	0	0	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[ft,%]	End Location[ft,%]
15	M47	X	3.312	3.312	0	%100
16	M47	Z	-5.736	-5.736	0	%100
17	M64	X	2.04	2.04	0	%100
18	M64	Z	-3.534	-3.534	0	%100
19	M65	X	6.195	6.195	0	%100
20	M65	Z	-10.731	-10.731	0	%100
21	M71	X	6.421	6.421	0	%100
22	M71	Z	-11.121	-11.121	0	%100
23	M86	X	2.04	2.04	0	%100
24	M86	Z	-3.534	-3.534	0	%100
25	M87	X	0	0	0	%100
26	M87	Z	0	0	0	%100
27	M90	X	0	0	0	%100
28	M90	Z	0	0	0	%100
29	M51A	X	0	0	0	%100
30	M51A	Z	0	0	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	0	0	0	%100
33	M53A	X	0	0	0	%100
34	M53A	Z	0	0	0	%100
35	M56	X	3.311	3.311	0	%100
36	M56	Z	-5.735	-5.735	0	%100
37	M57	X	3.312	3.312	0	%100
38	M57	Z	-5.736	-5.736	0	%100
39	M62	X	8.16	8.16	0	%100
40	M62	Z	-14.134	-14.134	0	%100
41	M63	X	6.195	6.195	0	%100
42	M63	Z	-10.731	-10.731	0	%100
43	M65A	X	6.421	6.421	0	%100
44	M65A	Z	-11.121	-11.121	0	%100
45	M67	X	8.16	8.16	0	%100
46	M67	Z	-14.134	-14.134	0	%100
47	M68A	X	6.195	6.195	0	%100
48	M68A	Z	-10.731	-10.731	0	%100
49	M70	X	6.421	6.421	0	%100
50	M70	Z	-11.121	-11.121	0	%100
51	M72A	X	1.214	1.214	0	%100
52	M72A	Z	-2.102	-2.102	0	%100
53	M73	X	3.321	3.321	0	%100
54	M73	Z	-5.753	-5.753	0	%100
55	M74	X	3.321	3.321	0	%100
56	M74	Z	-5.753	-5.753	0	%100
57	M75	X	6.083	6.083	0	%100
58	M75	Z	-10.536	-10.536	0	%100
59	M78	X	3.311	3.311	0	%100
60	M78	Z	-5.735	-5.735	0	%100
61	M79	X	0	0	0	%100
62	M79	Z	0	0	0	%100
63	M84	X	2.04	2.04	0	%100
64	M84	Z	-3.534	-3.534	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	0	0	0	%100
67	M87A	X	0	0	0	%100
68	M87A	Z	0	0	0	%100
69	M89A	X	2.04	2.04	0	%100
70	M89A	Z	-3.534	-3.534	0	%100
71	M90A	X	6.195	6.195	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[ft,%]	End Location[ft,%]
72	M90A	Z	-10.731	-10.731	0	%100
73	M92	X	6.421	6.421	0	%100
74	M92	Z	-11.121	-11.121	0	%100
75	M70A	X	2.408	2.408	0	%100
76	M70A	Z	-4.17	-4.17	0	%100
77	M71B	X	0	0	0	%100
78	M71B	Z	0	0	0	%100
79	M72B	X	2.408	2.408	0	%100
80	M72B	Z	-4.17	-4.17	0	%100
81	MP4A	X	3.21	3.21	0	%100
82	MP4A	Z	-5.561	-5.561	0	%100
83	MP3A	X	3.21	3.21	0	%100
84	MP3A	Z	-5.561	-5.561	0	%100
85	MP2A	X	3.21	3.21	0	%100
86	MP2A	Z	-5.561	-5.561	0	%100
87	MP1A	X	3.21	3.21	0	%100
88	MP1A	Z	-5.561	-5.561	0	%100
89	MP4C	X	3.21	3.21	0	%100
90	MP4C	Z	-5.561	-5.561	0	%100
91	MP3C	X	3.21	3.21	0	%100
92	MP3C	Z	-5.561	-5.561	0	%100
93	MP2C	X	3.21	3.21	0	%100
94	MP2C	Z	-5.561	-5.561	0	%100
95	MP1C	X	3.21	3.21	0	%100
96	MP1C	Z	-5.561	-5.561	0	%100
97	MP4B	X	3.21	3.21	0	%100
98	MP4B	Z	-5.561	-5.561	0	%100
99	MP3B	X	3.21	3.21	0	%100
100	MP3B	Z	-5.561	-5.561	0	%100
101	MP2B	X	3.21	3.21	0	%100
102	MP2B	Z	-5.561	-5.561	0	%100
103	MP1B	X	3.21	3.21	0	%100
104	MP1B	Z	-5.561	-5.561	0	%100
105	O1	X	2.625	2.625	0	%100
106	O1	Z	-4.547	-4.547	0	%100
107	M113	X	2.849	2.849	0	%100
108	M113	Z	-4.935	-4.935	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	0	0	0	%100
111	M119A	X	2.849	2.849	0	%100
112	M119A	Z	-4.935	-4.935	0	%100
113	M118A	X	1.214	1.214	0	%100
114	M118A	Z	-2.102	-2.102	0	%100
115	M119B	X	4.855	4.855	0	%100
116	M119B	Z	-8.409	-8.409	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[ft,%]	End Location[ft,%]
1	M20	X	2.049	2.049	0	%100
2	M20	Z	-1.183	-1.183	0	%100
3	M32	X	8.194	8.194	0	%100
4	M32	Z	-4.731	-4.731	0	%100
5	M33A	X	2.049	2.049	0	%100
6	M33A	Z	-1.183	-1.183	0	%100
7	M41A	X	7.67	7.67	0	%100
8	M41A	Z	-4.429	-4.429	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[ft,%]	End Location[ft,%]
9	M42_1	X	7.67	7.67	0	%100
10	M42_1	Z	-4.429	-4.429	0	%100
11	M43A_1	X	14.048	14.048	0	%100
12	M43A_1	Z	-8.11	-8.11	0	%100
13	M46A	X	1.912	1.912	0	%100
14	M46A	Z	-1.104	-1.104	0	%100
15	M47	X	1.912	1.912	0	%100
16	M47	Z	-1.104	-1.104	0	%100
17	M64	X	0	0	0	%100
18	M64	Z	0	0	0	%100
19	M65	X	3.577	3.577	0	%100
20	M65	Z	-2.065	-2.065	0	%100
21	M71	X	3.707	3.707	0	%100
22	M71	Z	-2.14	-2.14	0	%100
23	M86	X	0	0	0	%100
24	M86	Z	0	0	0	%100
25	M87	X	3.577	3.577	0	%100
26	M87	Z	-2.065	-2.065	0	%100
27	M90	X	3.707	3.707	0	%100
28	M90	Z	-2.14	-2.14	0	%100
29	M51A	X	1.918	1.918	0	%100
30	M51A	Z	-1.107	-1.107	0	%100
31	M52	X	1.918	1.918	0	%100
32	M52	Z	-1.107	-1.107	0	%100
33	M53A	X	3.512	3.512	0	%100
34	M53A	Z	-2.028	-2.028	0	%100
35	M56	X	1.912	1.912	0	%100
36	M56	Z	-1.104	-1.104	0	%100
37	M57	X	7.648	7.648	0	%100
38	M57	Z	-4.416	-4.416	0	%100
39	M62	X	10.601	10.601	0	%100
40	M62	Z	-6.12	-6.12	0	%100
41	M63	X	14.308	14.308	0	%100
42	M63	Z	-8.261	-8.261	0	%100
43	M65A	X	14.828	14.828	0	%100
44	M65A	Z	-8.561	-8.561	0	%100
45	M67	X	10.601	10.601	0	%100
46	M67	Z	-6.12	-6.12	0	%100
47	M68A	X	3.577	3.577	0	%100
48	M68A	Z	-2.065	-2.065	0	%100
49	M70	X	3.707	3.707	0	%100
50	M70	Z	-2.14	-2.14	0	%100
51	M72A	X	6.306	6.306	0	%100
52	M72A	Z	-3.641	-3.641	0	%100
53	M73	X	1.918	1.918	0	%100
54	M73	Z	-1.107	-1.107	0	%100
55	M74	X	1.918	1.918	0	%100
56	M74	Z	-1.107	-1.107	0	%100
57	M75	X	3.512	3.512	0	%100
58	M75	Z	-2.028	-2.028	0	%100
59	M78	X	7.647	7.647	0	%100
60	M78	Z	-4.415	-4.415	0	%100
61	M79	X	1.912	1.912	0	%100
62	M79	Z	-1.104	-1.104	0	%100
63	M84	X	10.601	10.601	0	%100
64	M84	Z	-6.12	-6.12	0	%100
65	M85	X	3.577	3.577	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[ft,%]	End Location[ft,%]
66	M85	Z	-2.065	-2.065	0	%100
67	M87A	X	3.707	3.707	0	%100
68	M87A	Z	-2.14	-2.14	0	%100
69	M89A	X	10.601	10.601	0	%100
70	M89A	Z	-6.12	-6.12	0	%100
71	M90A	X	14.308	14.308	0	%100
72	M90A	Z	-8.261	-8.261	0	%100
73	M92	X	14.828	14.828	0	%100
74	M92	Z	-8.561	-8.561	0	%100
75	M70A	X	1.39	1.39	0	%100
76	M70A	Z	-.803	-.803	0	%100
77	M71B	X	1.39	1.39	0	%100
78	M71B	Z	-.803	-.803	0	%100
79	M72B	X	5.561	5.561	0	%100
80	M72B	Z	-3.21	-3.21	0	%100
81	MP4A	X	5.561	5.561	0	%100
82	MP4A	Z	-3.21	-3.21	0	%100
83	MP3A	X	5.561	5.561	0	%100
84	MP3A	Z	-3.21	-3.21	0	%100
85	MP2A	X	5.561	5.561	0	%100
86	MP2A	Z	-3.21	-3.21	0	%100
87	MP1A	X	5.561	5.561	0	%100
88	MP1A	Z	-3.21	-3.21	0	%100
89	MP4C	X	5.561	5.561	0	%100
90	MP4C	Z	-3.21	-3.21	0	%100
91	MP3C	X	5.561	5.561	0	%100
92	MP3C	Z	-3.21	-3.21	0	%100
93	MP2C	X	5.561	5.561	0	%100
94	MP2C	Z	-3.21	-3.21	0	%100
95	MP1C	X	5.561	5.561	0	%100
96	MP1C	Z	-3.21	-3.21	0	%100
97	MP4B	X	5.561	5.561	0	%100
98	MP4B	Z	-3.21	-3.21	0	%100
99	MP3B	X	5.561	5.561	0	%100
100	MP3B	Z	-3.21	-3.21	0	%100
101	MP2B	X	5.561	5.561	0	%100
102	MP2B	Z	-3.21	-3.21	0	%100
103	MP1B	X	5.561	5.561	0	%100
104	MP1B	Z	-3.21	-3.21	0	%100
105	O1	X	4.547	4.547	0	%100
106	O1	Z	-2.625	-2.625	0	%100
107	M113	X	6.579	6.579	0	%100
108	M113	Z	-3.799	-3.799	0	%100
109	M116	X	1.645	1.645	0	%100
110	M116	Z	-.95	-.95	0	%100
111	M119A	X	1.645	1.645	0	%100
112	M119A	Z	-.95	-.95	0	%100
113	M118A	X	0	0	0	%100
114	M118A	Z	0	0	0	%100
115	M119B	X	6.306	6.306	0	%100
116	M119B	Z	-3.641	-3.641	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[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	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[ft,%]	End Location[ft,%]
3	M32	X	7.097	7.097	0	%100
4	M32	Z	0	0	0	%100
5	M33A	X	7.097	7.097	0	%100
6	M33A	Z	0	0	0	%100
7	M41A	X	6.643	6.643	0	%100
8	M41A	Z	0	0	0	%100
9	M42_1	X	6.643	6.643	0	%100
10	M42_1	Z	0	0	0	%100
11	M43A_1	X	12.166	12.166	0	%100
12	M43A_1	Z	0	0	0	%100
13	M46A	X	6.623	6.623	0	%100
14	M46A	Z	0	0	0	%100
15	M47	X	0	0	0	%100
16	M47	Z	0	0	0	%100
17	M64	X	4.08	4.08	0	%100
18	M64	Z	0	0	0	%100
19	M65	X	0	0	0	%100
20	M65	Z	0	0	0	%100
21	M71	X	0	0	0	%100
22	M71	Z	0	0	0	%100
23	M86	X	4.08	4.08	0	%100
24	M86	Z	0	0	0	%100
25	M87	X	12.391	12.391	0	%100
26	M87	Z	0	0	0	%100
27	M90	X	12.841	12.841	0	%100
28	M90	Z	0	0	0	%100
29	M51A	X	6.643	6.643	0	%100
30	M51A	Z	0	0	0	%100
31	M52	X	6.643	6.643	0	%100
32	M52	Z	0	0	0	%100
33	M53A	X	12.166	12.166	0	%100
34	M53A	Z	0	0	0	%100
35	M56	X	0	0	0	%100
36	M56	Z	0	0	0	%100
37	M57	X	6.624	6.624	0	%100
38	M57	Z	0	0	0	%100
39	M62	X	4.08	4.08	0	%100
40	M62	Z	0	0	0	%100
41	M63	X	12.391	12.391	0	%100
42	M63	Z	0	0	0	%100
43	M65A	X	12.841	12.841	0	%100
44	M65A	Z	0	0	0	%100
45	M67	X	4.08	4.08	0	%100
46	M67	Z	0	0	0	%100
47	M68A	X	0	0	0	%100
48	M68A	Z	0	0	0	%100
49	M70	X	0	0	0	%100
50	M70	Z	0	0	0	%100
51	M72A	X	9.709	9.709	0	%100
52	M72A	Z	0	0	0	%100
53	M73	X	0	0	0	%100
54	M73	Z	0	0	0	%100
55	M74	X	0	0	0	%100
56	M74	Z	0	0	0	%100
57	M75	X	0	0	0	%100
58	M75	Z	0	0	0	%100
59	M78	X	6.623	6.623	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[ft,%]	End Location[ft,%]
60	M78	Z	0	0	0	%100
61	M79	X	6.624	6.624	0	%100
62	M79	Z	0	0	0	%100
63	M84	X	16.321	16.321	0	%100
64	M84	Z	0	0	0	%100
65	M85	X	12.391	12.391	0	%100
66	M85	Z	0	0	0	%100
67	M87A	X	12.841	12.841	0	%100
68	M87A	Z	0	0	0	%100
69	M89A	X	16.321	16.321	0	%100
70	M89A	Z	0	0	0	%100
71	M90A	X	12.391	12.391	0	%100
72	M90A	Z	0	0	0	%100
73	M92	X	12.841	12.841	0	%100
74	M92	Z	0	0	0	%100
75	M70A	X	0	0	0	%100
76	M70A	Z	0	0	0	%100
77	M71B	X	4.816	4.816	0	%100
78	M71B	Z	0	0	0	%100
79	M72B	X	4.816	4.816	0	%100
80	M72B	Z	0	0	0	%100
81	MP4A	X	6.421	6.421	0	%100
82	MP4A	Z	0	0	0	%100
83	MP3A	X	6.421	6.421	0	%100
84	MP3A	Z	0	0	0	%100
85	MP2A	X	6.421	6.421	0	%100
86	MP2A	Z	0	0	0	%100
87	MP1A	X	6.421	6.421	0	%100
88	MP1A	Z	0	0	0	%100
89	MP4C	X	6.421	6.421	0	%100
90	MP4C	Z	0	0	0	%100
91	MP3C	X	6.421	6.421	0	%100
92	MP3C	Z	0	0	0	%100
93	MP2C	X	6.421	6.421	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	6.421	6.421	0	%100
96	MP1C	Z	0	0	0	%100
97	MP4B	X	6.421	6.421	0	%100
98	MP4B	Z	0	0	0	%100
99	MP3B	X	6.421	6.421	0	%100
100	MP3B	Z	0	0	0	%100
101	MP2B	X	6.421	6.421	0	%100
102	MP2B	Z	0	0	0	%100
103	MP1B	X	6.421	6.421	0	%100
104	MP1B	Z	0	0	0	%100
105	O1	X	5.25	5.25	0	%100
106	O1	Z	0	0	0	%100
107	M113	X	5.698	5.698	0	%100
108	M113	Z	0	0	0	%100
109	M116	X	5.698	5.698	0	%100
110	M116	Z	0	0	0	%100
111	M119A	X	0	0	0	%100
112	M119A	Z	0	0	0	%100
113	M118A	X	2.427	2.427	0	%100
114	M118A	Z	0	0	0	%100
115	M119B	X	2.427	2.427	0	%100
116	M119B	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[ft,%]	End Location[ft,%]
1	M20	X	2.049	2.049	0	%100
2	M20	Z	1.183	1.183	0	%100
3	M32	X	2.049	2.049	0	%100
4	M32	Z	1.183	1.183	0	%100
5	M33A	X	8.194	8.194	0	%100
6	M33A	Z	4.731	4.731	0	%100
7	M41A	X	1.918	1.918	0	%100
8	M41A	Z	1.107	1.107	0	%100
9	M42_1	X	1.918	1.918	0	%100
10	M42_1	Z	1.107	1.107	0	%100
11	M43A_1	X	3.512	3.512	0	%100
12	M43A_1	Z	2.028	2.028	0	%100
13	M46A	X	7.647	7.647	0	%100
14	M46A	Z	4.415	4.415	0	%100
15	M47	X	1.912	1.912	0	%100
16	M47	Z	1.104	1.104	0	%100
17	M64	X	10.601	10.601	0	%100
18	M64	Z	6.12	6.12	0	%100
19	M65	X	3.577	3.577	0	%100
20	M65	Z	2.065	2.065	0	%100
21	M71	X	3.707	3.707	0	%100
22	M71	Z	2.14	2.14	0	%100
23	M86	X	10.601	10.601	0	%100
24	M86	Z	6.12	6.12	0	%100
25	M87	X	14.308	14.308	0	%100
26	M87	Z	8.261	8.261	0	%100
27	M90	X	14.828	14.828	0	%100
28	M90	Z	8.561	8.561	0	%100
29	M51A	X	7.67	7.67	0	%100
30	M51A	Z	4.429	4.429	0	%100
31	M52	X	7.67	7.67	0	%100
32	M52	Z	4.429	4.429	0	%100
33	M53A	X	14.048	14.048	0	%100
34	M53A	Z	8.11	8.11	0	%100
35	M56	X	1.912	1.912	0	%100
36	M56	Z	1.104	1.104	0	%100
37	M57	X	1.912	1.912	0	%100
38	M57	Z	1.104	1.104	0	%100
39	M62	X	0	0	0	%100
40	M62	Z	0	0	0	%100
41	M63	X	3.577	3.577	0	%100
42	M63	Z	2.065	2.065	0	%100
43	M65A	X	3.707	3.707	0	%100
44	M65A	Z	2.14	2.14	0	%100
45	M67	X	0	0	0	%100
46	M67	Z	0	0	0	%100
47	M68A	X	3.577	3.577	0	%100
48	M68A	Z	2.065	2.065	0	%100
49	M70	X	3.707	3.707	0	%100
50	M70	Z	2.14	2.14	0	%100
51	M72A	X	6.306	6.306	0	%100
52	M72A	Z	3.641	3.641	0	%100
53	M73	X	1.918	1.918	0	%100
54	M73	Z	1.107	1.107	0	%100
55	M74	X	1.918	1.918	0	%100
56	M74	Z	1.107	1.107	0	%100
57	M75	X	3.512	3.512	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[ft,%]	End Location[ft,%]
58	M75	Z	2.028	2.028	0	%100
59	M78	X	1.912	1.912	0	%100
60	M78	Z	1.104	1.104	0	%100
61	M79	X	7.648	7.648	0	%100
62	M79	Z	4.416	4.416	0	%100
63	M84	X	10.601	10.601	0	%100
64	M84	Z	6.12	6.12	0	%100
65	M85	X	14.308	14.308	0	%100
66	M85	Z	8.261	8.261	0	%100
67	M87A	X	14.828	14.828	0	%100
68	M87A	Z	8.561	8.561	0	%100
69	M89A	X	10.601	10.601	0	%100
70	M89A	Z	6.12	6.12	0	%100
71	M90A	X	3.577	3.577	0	%100
72	M90A	Z	2.065	2.065	0	%100
73	M92	X	3.707	3.707	0	%100
74	M92	Z	2.14	2.14	0	%100
75	M70A	X	1.39	1.39	0	%100
76	M70A	Z	.803	.803	0	%100
77	M71B	X	5.561	5.561	0	%100
78	M71B	Z	3.21	3.21	0	%100
79	M72B	X	1.39	1.39	0	%100
80	M72B	Z	.803	.803	0	%100
81	MP4A	X	5.561	5.561	0	%100
82	MP4A	Z	3.21	3.21	0	%100
83	MP3A	X	5.561	5.561	0	%100
84	MP3A	Z	3.21	3.21	0	%100
85	MP2A	X	5.561	5.561	0	%100
86	MP2A	Z	3.21	3.21	0	%100
87	MP1A	X	5.561	5.561	0	%100
88	MP1A	Z	3.21	3.21	0	%100
89	MP4C	X	5.561	5.561	0	%100
90	MP4C	Z	3.21	3.21	0	%100
91	MP3C	X	5.561	5.561	0	%100
92	MP3C	Z	3.21	3.21	0	%100
93	MP2C	X	5.561	5.561	0	%100
94	MP2C	Z	3.21	3.21	0	%100
95	MP1C	X	5.561	5.561	0	%100
96	MP1C	Z	3.21	3.21	0	%100
97	MP4B	X	5.561	5.561	0	%100
98	MP4B	Z	3.21	3.21	0	%100
99	MP3B	X	5.561	5.561	0	%100
100	MP3B	Z	3.21	3.21	0	%100
101	MP2B	X	5.561	5.561	0	%100
102	MP2B	Z	3.21	3.21	0	%100
103	MP1B	X	5.561	5.561	0	%100
104	MP1B	Z	3.21	3.21	0	%100
105	O1	X	4.547	4.547	0	%100
106	O1	Z	2.625	2.625	0	%100
107	M113	X	1.645	1.645	0	%100
108	M113	Z	.95	.95	0	%100
109	M116	X	6.579	6.579	0	%100
110	M116	Z	3.799	3.799	0	%100
111	M119A	X	1.645	1.645	0	%100
112	M119A	Z	.95	.95	0	%100
113	M118A	X	6.306	6.306	0	%100
114	M118A	Z	3.641	3.641	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[ft,%]	End Location[ft,%]
115	M119B	X	0	0	0	%100
116	M119B	Z	0	0	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[ft,%]	End Location[ft,%]
1	M20	X	3.548	3.548	0	%100
2	M20	Z	6.146	6.146	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	0	0	0	%100
5	M33A	X	3.548	3.548	0	%100
6	M33A	Z	6.146	6.146	0	%100
7	M41A	X	0	0	0	%100
8	M41A	Z	0	0	0	%100
9	M42_1	X	0	0	0	%100
10	M42_1	Z	0	0	0	%100
11	M43A_1	X	0	0	0	%100
12	M43A_1	Z	0	0	0	%100
13	M46A	X	3.311	3.311	0	%100
14	M46A	Z	5.735	5.735	0	%100
15	M47	X	3.312	3.312	0	%100
16	M47	Z	5.736	5.736	0	%100
17	M64	X	8.16	8.16	0	%100
18	M64	Z	14.134	14.134	0	%100
19	M65	X	6.195	6.195	0	%100
20	M65	Z	10.731	10.731	0	%100
21	M71	X	6.421	6.421	0	%100
22	M71	Z	11.121	11.121	0	%100
23	M86	X	8.16	8.16	0	%100
24	M86	Z	14.134	14.134	0	%100
25	M87	X	6.195	6.195	0	%100
26	M87	Z	10.731	10.731	0	%100
27	M90	X	6.421	6.421	0	%100
28	M90	Z	11.121	11.121	0	%100
29	M51A	X	3.321	3.321	0	%100
30	M51A	Z	5.753	5.753	0	%100
31	M52	X	3.321	3.321	0	%100
32	M52	Z	5.753	5.753	0	%100
33	M53A	X	6.083	6.083	0	%100
34	M53A	Z	10.536	10.536	0	%100
35	M56	X	3.311	3.311	0	%100
36	M56	Z	5.735	5.735	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	0	0	0	%100
39	M62	X	2.04	2.04	0	%100
40	M62	Z	3.534	3.534	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	0	0	0	%100
43	M65A	X	0	0	0	%100
44	M65A	Z	0	0	0	%100
45	M67	X	2.04	2.04	0	%100
46	M67	Z	3.534	3.534	0	%100
47	M68A	X	6.195	6.195	0	%100
48	M68A	Z	10.731	10.731	0	%100
49	M70	X	6.421	6.421	0	%100
50	M70	Z	11.121	11.121	0	%100
51	M72A	X	1.214	1.214	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[ft,%]	End Location[ft,%]
52	M72A	Z	2.102	2.102	0	%100
53	M73	X	3.321	3.321	0	%100
54	M73	Z	5.753	5.753	0	%100
55	M74	X	3.321	3.321	0	%100
56	M74	Z	5.753	5.753	0	%100
57	M75	X	6.083	6.083	0	%100
58	M75	Z	10.536	10.536	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	0	0	0	%100
61	M79	X	3.312	3.312	0	%100
62	M79	Z	5.736	5.736	0	%100
63	M84	X	2.04	2.04	0	%100
64	M84	Z	3.534	3.534	0	%100
65	M85	X	6.195	6.195	0	%100
66	M85	Z	10.731	10.731	0	%100
67	M87A	X	6.421	6.421	0	%100
68	M87A	Z	11.121	11.121	0	%100
69	M89A	X	2.04	2.04	0	%100
70	M89A	Z	3.534	3.534	0	%100
71	M90A	X	0	0	0	%100
72	M90A	Z	0	0	0	%100
73	M92	X	0	0	0	%100
74	M92	Z	0	0	0	%100
75	M70A	X	2.408	2.408	0	%100
76	M70A	Z	4.17	4.17	0	%100
77	M71B	X	2.408	2.408	0	%100
78	M71B	Z	4.17	4.17	0	%100
79	M72B	X	0	0	0	%100
80	M72B	Z	0	0	0	%100
81	MP4A	X	3.21	3.21	0	%100
82	MP4A	Z	5.561	5.561	0	%100
83	MP3A	X	3.21	3.21	0	%100
84	MP3A	Z	5.561	5.561	0	%100
85	MP2A	X	3.21	3.21	0	%100
86	MP2A	Z	5.561	5.561	0	%100
87	MP1A	X	3.21	3.21	0	%100
88	MP1A	Z	5.561	5.561	0	%100
89	MP4C	X	3.21	3.21	0	%100
90	MP4C	Z	5.561	5.561	0	%100
91	MP3C	X	3.21	3.21	0	%100
92	MP3C	Z	5.561	5.561	0	%100
93	MP2C	X	3.21	3.21	0	%100
94	MP2C	Z	5.561	5.561	0	%100
95	MP1C	X	3.21	3.21	0	%100
96	MP1C	Z	5.561	5.561	0	%100
97	MP4B	X	3.21	3.21	0	%100
98	MP4B	Z	5.561	5.561	0	%100
99	MP3B	X	3.21	3.21	0	%100
100	MP3B	Z	5.561	5.561	0	%100
101	MP2B	X	3.21	3.21	0	%100
102	MP2B	Z	5.561	5.561	0	%100
103	MP1B	X	3.21	3.21	0	%100
104	MP1B	Z	5.561	5.561	0	%100
105	O1	X	2.625	2.625	0	%100
106	O1	Z	4.547	4.547	0	%100
107	M113	X	0	0	0	%100
108	M113	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[ft,%]	End Location[ft,%]
109	M116	X	2.849	2.849	0	%100
110	M116	Z	4.935	4.935	0	%100
111	M119A	X	2.849	2.849	0	%100
112	M119A	Z	4.935	4.935	0	%100
113	M118A	X	4.855	4.855	0	%100
114	M118A	Z	8.409	8.409	0	%100
115	M119B	X	1.214	1.214	0	%100
116	M119B	Z	2.102	2.102	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[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	9.462	9.462	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	2.366	2.366	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	2.366	2.366	0	%100
7	M41A	X	0	0	0	%100
8	M41A	Z	2.214	2.214	0	%100
9	M42_1	X	0	0	0	%100
10	M42_1	Z	2.214	2.214	0	%100
11	M43A_1	X	0	0	0	%100
12	M43A_1	Z	4.055	4.055	0	%100
13	M46A	X	0	0	0	%100
14	M46A	Z	2.208	2.208	0	%100
15	M47	X	0	0	0	%100
16	M47	Z	8.831	8.831	0	%100
17	M64	X	0	0	0	%100
18	M64	Z	12.241	12.241	0	%100
19	M65	X	0	0	0	%100
20	M65	Z	16.521	16.521	0	%100
21	M71	X	0	0	0	%100
22	M71	Z	17.122	17.122	0	%100
23	M86	X	0	0	0	%100
24	M86	Z	12.241	12.241	0	%100
25	M87	X	0	0	0	%100
26	M87	Z	4.13	4.13	0	%100
27	M90	X	0	0	0	%100
28	M90	Z	4.28	4.28	0	%100
29	M51A	X	0	0	0	%100
30	M51A	Z	2.214	2.214	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	2.214	2.214	0	%100
33	M53A	X	0	0	0	%100
34	M53A	Z	4.055	4.055	0	%100
35	M56	X	0	0	0	%100
36	M56	Z	8.83	8.83	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	2.208	2.208	0	%100
39	M62	X	0	0	0	%100
40	M62	Z	12.241	12.241	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	4.13	4.13	0	%100
43	M65A	X	0	0	0	%100
44	M65A	Z	4.28	4.28	0	%100
45	M67	X	0	0	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[ft,%]	End Location[ft,%]
46	M67	Z	12.241	12.241	0	%100
47	M68A	X	0	0	0	%100
48	M68A	Z	16.521	16.521	0	%100
49	M70	X	0	0	0	%100
50	M70	Z	17.122	17.122	0	%100
51	M72A	X	0	0	0	%100
52	M72A	Z	0	0	0	%100
53	M73	X	0	0	0	%100
54	M73	Z	8.857	8.857	0	%100
55	M74	X	0	0	0	%100
56	M74	Z	8.857	8.857	0	%100
57	M75	X	0	0	0	%100
58	M75	Z	16.221	16.221	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	2.208	2.208	0	%100
61	M79	X	0	0	0	%100
62	M79	Z	2.208	2.208	0	%100
63	M84	X	0	0	0	%100
64	M84	Z	0	0	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	4.13	4.13	0	%100
67	M87A	X	0	0	0	%100
68	M87A	Z	4.28	4.28	0	%100
69	M89A	X	0	0	0	%100
70	M89A	Z	0	0	0	%100
71	M90A	X	0	0	0	%100
72	M90A	Z	4.13	4.13	0	%100
73	M92	X	0	0	0	%100
74	M92	Z	4.28	4.28	0	%100
75	M70A	X	0	0	0	%100
76	M70A	Z	6.421	6.421	0	%100
77	M71B	X	0	0	0	%100
78	M71B	Z	1.605	1.605	0	%100
79	M72B	X	0	0	0	%100
80	M72B	Z	1.605	1.605	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	6.421	6.421	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	6.421	6.421	0	%100
85	MP2A	X	0	0	0	%100
86	MP2A	Z	6.421	6.421	0	%100
87	MP1A	X	0	0	0	%100
88	MP1A	Z	6.421	6.421	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	6.421	6.421	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	6.421	6.421	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	6.421	6.421	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	6.421	6.421	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	6.421	6.421	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	6.421	6.421	0	%100
101	MP2B	X	0	0	0	%100
102	MP2B	Z	6.421	6.421	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[ft,%]	End Location[ft,%]
103	MP1B	X	0	0	0	%100
104	MP1B	Z	6.421	6.421	0	%100
105	O1	X	0	0	0	%100
106	O1	Z	5.25	5.25	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	1.899	1.899	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	1.899	1.899	0	%100
111	M119A	X	0	0	0	%100
112	M119A	Z	7.597	7.597	0	%100
113	M118A	X	0	0	0	%100
114	M118A	Z	7.282	7.282	0	%100
115	M119B	X	0	0	0	%100
116	M119B	Z	7.282	7.282	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[ft,%]	End Location[ft,%]
1	M20	X	-3.548	-3.548	0	%100
2	M20	Z	6.146	6.146	0	%100
3	M32	X	-3.548	-3.548	0	%100
4	M32	Z	6.146	6.146	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	0	0	0	%100
7	M41A	X	-3.321	-3.321	0	%100
8	M41A	Z	5.753	5.753	0	%100
9	M42_1	X	-3.321	-3.321	0	%100
10	M42_1	Z	5.753	5.753	0	%100
11	M43A_1	X	-6.083	-6.083	0	%100
12	M43A_1	Z	10.536	10.536	0	%100
13	M46A	X	0	0	0	%100
14	M46A	Z	0	0	0	%100
15	M47	X	-3.312	-3.312	0	%100
16	M47	Z	5.736	5.736	0	%100
17	M64	X	-2.04	-2.04	0	%100
18	M64	Z	3.534	3.534	0	%100
19	M65	X	-6.195	-6.195	0	%100
20	M65	Z	10.731	10.731	0	%100
21	M71	X	-6.421	-6.421	0	%100
22	M71	Z	11.121	11.121	0	%100
23	M86	X	-2.04	-2.04	0	%100
24	M86	Z	3.534	3.534	0	%100
25	M87	X	0	0	0	%100
26	M87	Z	0	0	0	%100
27	M90	X	0	0	0	%100
28	M90	Z	0	0	0	%100
29	M51A	X	0	0	0	%100
30	M51A	Z	0	0	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	0	0	0	%100
33	M53A	X	0	0	0	%100
34	M53A	Z	0	0	0	%100
35	M56	X	-3.311	-3.311	0	%100
36	M56	Z	5.735	5.735	0	%100
37	M57	X	-3.312	-3.312	0	%100
38	M57	Z	5.736	5.736	0	%100
39	M62	X	-8.16	-8.16	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[ft,%]	End Location[ft,%]
40	M62	Z	14.134	14.134	0	%100
41	M63	X	-6.195	-6.195	0	%100
42	M63	Z	10.731	10.731	0	%100
43	M65A	X	-6.421	-6.421	0	%100
44	M65A	Z	11.121	11.121	0	%100
45	M67	X	-8.16	-8.16	0	%100
46	M67	Z	14.134	14.134	0	%100
47	M68A	X	-6.195	-6.195	0	%100
48	M68A	Z	10.731	10.731	0	%100
49	M70	X	-6.421	-6.421	0	%100
50	M70	Z	11.121	11.121	0	%100
51	M72A	X	-1.214	-1.214	0	%100
52	M72A	Z	2.102	2.102	0	%100
53	M73	X	-3.321	-3.321	0	%100
54	M73	Z	5.753	5.753	0	%100
55	M74	X	-3.321	-3.321	0	%100
56	M74	Z	5.753	5.753	0	%100
57	M75	X	-6.083	-6.083	0	%100
58	M75	Z	10.536	10.536	0	%100
59	M78	X	-3.311	-3.311	0	%100
60	M78	Z	5.735	5.735	0	%100
61	M79	X	0	0	0	%100
62	M79	Z	0	0	0	%100
63	M84	X	-2.04	-2.04	0	%100
64	M84	Z	3.534	3.534	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	0	0	0	%100
67	M87A	X	0	0	0	%100
68	M87A	Z	0	0	0	%100
69	M89A	X	-2.04	-2.04	0	%100
70	M89A	Z	3.534	3.534	0	%100
71	M90A	X	-6.195	-6.195	0	%100
72	M90A	Z	10.731	10.731	0	%100
73	M92	X	-6.421	-6.421	0	%100
74	M92	Z	11.121	11.121	0	%100
75	M70A	X	-2.408	-2.408	0	%100
76	M70A	Z	4.17	4.17	0	%100
77	M71B	X	0	0	0	%100
78	M71B	Z	0	0	0	%100
79	M72B	X	-2.408	-2.408	0	%100
80	M72B	Z	4.17	4.17	0	%100
81	MP4A	X	-3.21	-3.21	0	%100
82	MP4A	Z	5.561	5.561	0	%100
83	MP3A	X	-3.21	-3.21	0	%100
84	MP3A	Z	5.561	5.561	0	%100
85	MP2A	X	-3.21	-3.21	0	%100
86	MP2A	Z	5.561	5.561	0	%100
87	MP1A	X	-3.21	-3.21	0	%100
88	MP1A	Z	5.561	5.561	0	%100
89	MP4C	X	-3.21	-3.21	0	%100
90	MP4C	Z	5.561	5.561	0	%100
91	MP3C	X	-3.21	-3.21	0	%100
92	MP3C	Z	5.561	5.561	0	%100
93	MP2C	X	-3.21	-3.21	0	%100
94	MP2C	Z	5.561	5.561	0	%100
95	MP1C	X	-3.21	-3.21	0	%100
96	MP1C	Z	5.561	5.561	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[ft,%]	End Location[ft,%]
97	MP4B	X	-3.21	-3.21	0	%100
98	MP4B	Z	5.561	5.561	0	%100
99	MP3B	X	-3.21	-3.21	0	%100
100	MP3B	Z	5.561	5.561	0	%100
101	MP2B	X	-3.21	-3.21	0	%100
102	MP2B	Z	5.561	5.561	0	%100
103	MP1B	X	-3.21	-3.21	0	%100
104	MP1B	Z	5.561	5.561	0	%100
105	O1	X	-2.625	-2.625	0	%100
106	O1	Z	4.547	4.547	0	%100
107	M113	X	-2.849	-2.849	0	%100
108	M113	Z	4.935	4.935	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	0	0	0	%100
111	M119A	X	-2.849	-2.849	0	%100
112	M119A	Z	4.935	4.935	0	%100
113	M118A	X	-1.214	-1.214	0	%100
114	M118A	Z	2.102	2.102	0	%100
115	M119B	X	-4.855	-4.855	0	%100
116	M119B	Z	8.409	8.409	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[ft,%]	End Location[ft,%]
1	M20	X	-2.049	-2.049	0	%100
2	M20	Z	1.183	1.183	0	%100
3	M32	X	-8.194	-8.194	0	%100
4	M32	Z	4.731	4.731	0	%100
5	M33A	X	-2.049	-2.049	0	%100
6	M33A	Z	1.183	1.183	0	%100
7	M41A	X	-7.67	-7.67	0	%100
8	M41A	Z	4.429	4.429	0	%100
9	M42_1	X	-7.67	-7.67	0	%100
10	M42_1	Z	4.429	4.429	0	%100
11	M43A_1	X	-14.048	-14.048	0	%100
12	M43A_1	Z	8.11	8.11	0	%100
13	M46A	X	-1.912	-1.912	0	%100
14	M46A	Z	1.104	1.104	0	%100
15	M47	X	-1.912	-1.912	0	%100
16	M47	Z	1.104	1.104	0	%100
17	M64	X	0	0	0	%100
18	M64	Z	0	0	0	%100
19	M65	X	-3.577	-3.577	0	%100
20	M65	Z	2.065	2.065	0	%100
21	M71	X	-3.707	-3.707	0	%100
22	M71	Z	2.14	2.14	0	%100
23	M86	X	0	0	0	%100
24	M86	Z	0	0	0	%100
25	M87	X	-3.577	-3.577	0	%100
26	M87	Z	2.065	2.065	0	%100
27	M90	X	-3.707	-3.707	0	%100
28	M90	Z	2.14	2.14	0	%100
29	M51A	X	-1.918	-1.918	0	%100
30	M51A	Z	1.107	1.107	0	%100
31	M52	X	-1.918	-1.918	0	%100
32	M52	Z	1.107	1.107	0	%100
33	M53A	X	-3.512	-3.512	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[ft,%]	End Location[ft,%]
34	M53A	Z	2.028	2.028	0	%100
35	M56	X	-1.912	-1.912	0	%100
36	M56	Z	1.104	1.104	0	%100
37	M57	X	-7.648	-7.648	0	%100
38	M57	Z	4.416	4.416	0	%100
39	M62	X	-10.601	-10.601	0	%100
40	M62	Z	6.12	6.12	0	%100
41	M63	X	-14.308	-14.308	0	%100
42	M63	Z	8.261	8.261	0	%100
43	M65A	X	-14.828	-14.828	0	%100
44	M65A	Z	8.561	8.561	0	%100
45	M67	X	-10.601	-10.601	0	%100
46	M67	Z	6.12	6.12	0	%100
47	M68A	X	-3.577	-3.577	0	%100
48	M68A	Z	2.065	2.065	0	%100
49	M70	X	-3.707	-3.707	0	%100
50	M70	Z	2.14	2.14	0	%100
51	M72A	X	-6.306	-6.306	0	%100
52	M72A	Z	3.641	3.641	0	%100
53	M73	X	-1.918	-1.918	0	%100
54	M73	Z	1.107	1.107	0	%100
55	M74	X	-1.918	-1.918	0	%100
56	M74	Z	1.107	1.107	0	%100
57	M75	X	-3.512	-3.512	0	%100
58	M75	Z	2.028	2.028	0	%100
59	M78	X	-7.647	-7.647	0	%100
60	M78	Z	4.415	4.415	0	%100
61	M79	X	-1.912	-1.912	0	%100
62	M79	Z	1.104	1.104	0	%100
63	M84	X	-10.601	-10.601	0	%100
64	M84	Z	6.12	6.12	0	%100
65	M85	X	-3.577	-3.577	0	%100
66	M85	Z	2.065	2.065	0	%100
67	M87A	X	-3.707	-3.707	0	%100
68	M87A	Z	2.14	2.14	0	%100
69	M89A	X	-10.601	-10.601	0	%100
70	M89A	Z	6.12	6.12	0	%100
71	M90A	X	-14.308	-14.308	0	%100
72	M90A	Z	8.261	8.261	0	%100
73	M92	X	-14.828	-14.828	0	%100
74	M92	Z	8.561	8.561	0	%100
75	M70A	X	-1.39	-1.39	0	%100
76	M70A	Z	.803	.803	0	%100
77	M71B	X	-1.39	-1.39	0	%100
78	M71B	Z	.803	.803	0	%100
79	M72B	X	-5.561	-5.561	0	%100
80	M72B	Z	3.21	3.21	0	%100
81	MP4A	X	-5.561	-5.561	0	%100
82	MP4A	Z	3.21	3.21	0	%100
83	MP3A	X	-5.561	-5.561	0	%100
84	MP3A	Z	3.21	3.21	0	%100
85	MP2A	X	-5.561	-5.561	0	%100
86	MP2A	Z	3.21	3.21	0	%100
87	MP1A	X	-5.561	-5.561	0	%100
88	MP1A	Z	3.21	3.21	0	%100
89	MP4C	X	-5.561	-5.561	0	%100
90	MP4C	Z	3.21	3.21	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[ft,%]	End Location[ft,%]
91	MP3C	X	-5.561	-5.561	0	%100
92	MP3C	Z	3.21	3.21	0	%100
93	MP2C	X	-5.561	-5.561	0	%100
94	MP2C	Z	3.21	3.21	0	%100
95	MP1C	X	-5.561	-5.561	0	%100
96	MP1C	Z	3.21	3.21	0	%100
97	MP4B	X	-5.561	-5.561	0	%100
98	MP4B	Z	3.21	3.21	0	%100
99	MP3B	X	-5.561	-5.561	0	%100
100	MP3B	Z	3.21	3.21	0	%100
101	MP2B	X	-5.561	-5.561	0	%100
102	MP2B	Z	3.21	3.21	0	%100
103	MP1B	X	-5.561	-5.561	0	%100
104	MP1B	Z	3.21	3.21	0	%100
105	O1	X	-4.547	-4.547	0	%100
106	O1	Z	2.625	2.625	0	%100
107	M113	X	-6.579	-6.579	0	%100
108	M113	Z	3.799	3.799	0	%100
109	M116	X	-1.645	-1.645	0	%100
110	M116	Z	.95	.95	0	%100
111	M119A	X	-1.645	-1.645	0	%100
112	M119A	Z	.95	.95	0	%100
113	M118A	X	0	0	0	%100
114	M118A	Z	0	0	0	%100
115	M119B	X	-6.306	-6.306	0	%100
116	M119B	Z	3.641	3.641	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[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	-7.097	-7.097	0	%100
4	M32	Z	0	0	0	%100
5	M33A	X	-7.097	-7.097	0	%100
6	M33A	Z	0	0	0	%100
7	M41A	X	-6.643	-6.643	0	%100
8	M41A	Z	0	0	0	%100
9	M42_1	X	-6.643	-6.643	0	%100
10	M42_1	Z	0	0	0	%100
11	M43A_1	X	-12.166	-12.166	0	%100
12	M43A_1	Z	0	0	0	%100
13	M46A	X	-6.623	-6.623	0	%100
14	M46A	Z	0	0	0	%100
15	M47	X	0	0	0	%100
16	M47	Z	0	0	0	%100
17	M64	X	-4.08	-4.08	0	%100
18	M64	Z	0	0	0	%100
19	M65	X	0	0	0	%100
20	M65	Z	0	0	0	%100
21	M71	X	0	0	0	%100
22	M71	Z	0	0	0	%100
23	M86	X	-4.08	-4.08	0	%100
24	M86	Z	0	0	0	%100
25	M87	X	-12.391	-12.391	0	%100
26	M87	Z	0	0	0	%100
27	M90	X	-12.841	-12.841	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[ft,%]	End Location[ft,%]
28	M90	Z	0	0	0	%100
29	M51A	X	-6.643	-6.643	0	%100
30	M51A	Z	0	0	0	%100
31	M52	X	-6.643	-6.643	0	%100
32	M52	Z	0	0	0	%100
33	M53A	X	-12.166	-12.166	0	%100
34	M53A	Z	0	0	0	%100
35	M56	X	0	0	0	%100
36	M56	Z	0	0	0	%100
37	M57	X	-6.624	-6.624	0	%100
38	M57	Z	0	0	0	%100
39	M62	X	-4.08	-4.08	0	%100
40	M62	Z	0	0	0	%100
41	M63	X	-12.391	-12.391	0	%100
42	M63	Z	0	0	0	%100
43	M65A	X	-12.841	-12.841	0	%100
44	M65A	Z	0	0	0	%100
45	M67	X	-4.08	-4.08	0	%100
46	M67	Z	0	0	0	%100
47	M68A	X	0	0	0	%100
48	M68A	Z	0	0	0	%100
49	M70	X	0	0	0	%100
50	M70	Z	0	0	0	%100
51	M72A	X	-9.709	-9.709	0	%100
52	M72A	Z	0	0	0	%100
53	M73	X	0	0	0	%100
54	M73	Z	0	0	0	%100
55	M74	X	0	0	0	%100
56	M74	Z	0	0	0	%100
57	M75	X	0	0	0	%100
58	M75	Z	0	0	0	%100
59	M78	X	-6.623	-6.623	0	%100
60	M78	Z	0	0	0	%100
61	M79	X	-6.624	-6.624	0	%100
62	M79	Z	0	0	0	%100
63	M84	X	-16.321	-16.321	0	%100
64	M84	Z	0	0	0	%100
65	M85	X	-12.391	-12.391	0	%100
66	M85	Z	0	0	0	%100
67	M87A	X	-12.841	-12.841	0	%100
68	M87A	Z	0	0	0	%100
69	M89A	X	-16.321	-16.321	0	%100
70	M89A	Z	0	0	0	%100
71	M90A	X	-12.391	-12.391	0	%100
72	M90A	Z	0	0	0	%100
73	M92	X	-12.841	-12.841	0	%100
74	M92	Z	0	0	0	%100
75	M70A	X	0	0	0	%100
76	M70A	Z	0	0	0	%100
77	M71B	X	-4.816	-4.816	0	%100
78	M71B	Z	0	0	0	%100
79	M72B	X	-4.816	-4.816	0	%100
80	M72B	Z	0	0	0	%100
81	MP4A	X	-6.421	-6.421	0	%100
82	MP4A	Z	0	0	0	%100
83	MP3A	X	-6.421	-6.421	0	%100
84	MP3A	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[ft,%]	End Location[ft,%]
85	MP2A	X	-6.421	-6.421	0	%100
86	MP2A	Z	0	0	0	%100
87	MP1A	X	-6.421	-6.421	0	%100
88	MP1A	Z	0	0	0	%100
89	MP4C	X	-6.421	-6.421	0	%100
90	MP4C	Z	0	0	0	%100
91	MP3C	X	-6.421	-6.421	0	%100
92	MP3C	Z	0	0	0	%100
93	MP2C	X	-6.421	-6.421	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	-6.421	-6.421	0	%100
96	MP1C	Z	0	0	0	%100
97	MP4B	X	-6.421	-6.421	0	%100
98	MP4B	Z	0	0	0	%100
99	MP3B	X	-6.421	-6.421	0	%100
100	MP3B	Z	0	0	0	%100
101	MP2B	X	-6.421	-6.421	0	%100
102	MP2B	Z	0	0	0	%100
103	MP1B	X	-6.421	-6.421	0	%100
104	MP1B	Z	0	0	0	%100
105	O1	X	-5.25	-5.25	0	%100
106	O1	Z	0	0	0	%100
107	M113	X	-5.698	-5.698	0	%100
108	M113	Z	0	0	0	%100
109	M116	X	-5.698	-5.698	0	%100
110	M116	Z	0	0	0	%100
111	M119A	X	0	0	0	%100
112	M119A	Z	0	0	0	%100
113	M118A	X	-2.427	-2.427	0	%100
114	M118A	Z	0	0	0	%100
115	M119B	X	-2.427	-2.427	0	%100
116	M119B	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[ft,%]	End Location[ft,%]
1	M20	X	-2.049	-2.049	0	%100
2	M20	Z	-1.183	-1.183	0	%100
3	M32	X	-2.049	-2.049	0	%100
4	M32	Z	-1.183	-1.183	0	%100
5	M33A	X	-8.194	-8.194	0	%100
6	M33A	Z	-4.731	-4.731	0	%100
7	M41A	X	-1.918	-1.918	0	%100
8	M41A	Z	-1.107	-1.107	0	%100
9	M42_1	X	-1.918	-1.918	0	%100
10	M42_1	Z	-1.107	-1.107	0	%100
11	M43A_1	X	-3.512	-3.512	0	%100
12	M43A_1	Z	-2.028	-2.028	0	%100
13	M46A	X	-7.647	-7.647	0	%100
14	M46A	Z	-4.415	-4.415	0	%100
15	M47	X	-1.912	-1.912	0	%100
16	M47	Z	-1.104	-1.104	0	%100
17	M64	X	-10.601	-10.601	0	%100
18	M64	Z	-6.12	-6.12	0	%100
19	M65	X	-3.577	-3.577	0	%100
20	M65	Z	-2.065	-2.065	0	%100
21	M71	X	-3.707	-3.707	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[ft,%]	End Location[ft,%]
22	M71	Z	-2.14	-2.14	0	%100
23	M86	X	-10.601	-10.601	0	%100
24	M86	Z	-6.12	-6.12	0	%100
25	M87	X	-14.308	-14.308	0	%100
26	M87	Z	-8.261	-8.261	0	%100
27	M90	X	-14.828	-14.828	0	%100
28	M90	Z	-8.561	-8.561	0	%100
29	M51A	X	-7.67	-7.67	0	%100
30	M51A	Z	-4.429	-4.429	0	%100
31	M52	X	-7.67	-7.67	0	%100
32	M52	Z	-4.429	-4.429	0	%100
33	M53A	X	-14.048	-14.048	0	%100
34	M53A	Z	-8.11	-8.11	0	%100
35	M56	X	-1.912	-1.912	0	%100
36	M56	Z	-1.104	-1.104	0	%100
37	M57	X	-1.912	-1.912	0	%100
38	M57	Z	-1.104	-1.104	0	%100
39	M62	X	0	0	0	%100
40	M62	Z	0	0	0	%100
41	M63	X	-3.577	-3.577	0	%100
42	M63	Z	-2.065	-2.065	0	%100
43	M65A	X	-3.707	-3.707	0	%100
44	M65A	Z	-2.14	-2.14	0	%100
45	M67	X	0	0	0	%100
46	M67	Z	0	0	0	%100
47	M68A	X	-3.577	-3.577	0	%100
48	M68A	Z	-2.065	-2.065	0	%100
49	M70	X	-3.707	-3.707	0	%100
50	M70	Z	-2.14	-2.14	0	%100
51	M72A	X	-6.306	-6.306	0	%100
52	M72A	Z	-3.641	-3.641	0	%100
53	M73	X	-1.918	-1.918	0	%100
54	M73	Z	-1.107	-1.107	0	%100
55	M74	X	-1.918	-1.918	0	%100
56	M74	Z	-1.107	-1.107	0	%100
57	M75	X	-3.512	-3.512	0	%100
58	M75	Z	-2.028	-2.028	0	%100
59	M78	X	-1.912	-1.912	0	%100
60	M78	Z	-1.104	-1.104	0	%100
61	M79	X	-7.648	-7.648	0	%100
62	M79	Z	-4.416	-4.416	0	%100
63	M84	X	-10.601	-10.601	0	%100
64	M84	Z	-6.12	-6.12	0	%100
65	M85	X	-14.308	-14.308	0	%100
66	M85	Z	-8.261	-8.261	0	%100
67	M87A	X	-14.828	-14.828	0	%100
68	M87A	Z	-8.561	-8.561	0	%100
69	M89A	X	-10.601	-10.601	0	%100
70	M89A	Z	-6.12	-6.12	0	%100
71	M90A	X	-3.577	-3.577	0	%100
72	M90A	Z	-2.065	-2.065	0	%100
73	M92	X	-3.707	-3.707	0	%100
74	M92	Z	-2.14	-2.14	0	%100
75	M70A	X	-1.39	-1.39	0	%100
76	M70A	Z	-.803	-.803	0	%100
77	M71B	X	-5.561	-5.561	0	%100
78	M71B	Z	-3.21	-3.21	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[ft,%]	End Location[ft,%]
79	M72B	X	-1.39	-1.39	0	%100
80	M72B	Z	-.803	-.803	0	%100
81	MP4A	X	-5.561	-5.561	0	%100
82	MP4A	Z	-3.21	-3.21	0	%100
83	MP3A	X	-5.561	-5.561	0	%100
84	MP3A	Z	-3.21	-3.21	0	%100
85	MP2A	X	-5.561	-5.561	0	%100
86	MP2A	Z	-3.21	-3.21	0	%100
87	MP1A	X	-5.561	-5.561	0	%100
88	MP1A	Z	-3.21	-3.21	0	%100
89	MP4C	X	-5.561	-5.561	0	%100
90	MP4C	Z	-3.21	-3.21	0	%100
91	MP3C	X	-5.561	-5.561	0	%100
92	MP3C	Z	-3.21	-3.21	0	%100
93	MP2C	X	-5.561	-5.561	0	%100
94	MP2C	Z	-3.21	-3.21	0	%100
95	MP1C	X	-5.561	-5.561	0	%100
96	MP1C	Z	-3.21	-3.21	0	%100
97	MP4B	X	-5.561	-5.561	0	%100
98	MP4B	Z	-3.21	-3.21	0	%100
99	MP3B	X	-5.561	-5.561	0	%100
100	MP3B	Z	-3.21	-3.21	0	%100
101	MP2B	X	-5.561	-5.561	0	%100
102	MP2B	Z	-3.21	-3.21	0	%100
103	MP1B	X	-5.561	-5.561	0	%100
104	MP1B	Z	-3.21	-3.21	0	%100
105	O1	X	-4.547	-4.547	0	%100
106	O1	Z	-2.625	-2.625	0	%100
107	M113	X	-1.645	-1.645	0	%100
108	M113	Z	-.95	-.95	0	%100
109	M116	X	-6.579	-6.579	0	%100
110	M116	Z	-3.799	-3.799	0	%100
111	M119A	X	-1.645	-1.645	0	%100
112	M119A	Z	-.95	-.95	0	%100
113	M118A	X	-6.306	-6.306	0	%100
114	M118A	Z	-3.641	-3.641	0	%100
115	M119B	X	0	0	0	%100
116	M119B	Z	0	0	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[ft,%]	End Location[ft,%]
1	M20	X	-3.548	-3.548	0	%100
2	M20	Z	-6.146	-6.146	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	0	0	0	%100
5	M33A	X	-3.548	-3.548	0	%100
6	M33A	Z	-6.146	-6.146	0	%100
7	M41A	X	0	0	0	%100
8	M41A	Z	0	0	0	%100
9	M42_1	X	0	0	0	%100
10	M42_1	Z	0	0	0	%100
11	M43A_1	X	0	0	0	%100
12	M43A_1	Z	0	0	0	%100
13	M46A	X	-3.311	-3.311	0	%100
14	M46A	Z	-5.735	-5.735	0	%100
15	M47	X	-3.312	-3.312	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[ft,%]	End Location[ft,%]
16	M47	Z	-5.736	-5.736	0	%100
17	M64	X	-8.16	-8.16	0	%100
18	M64	Z	-14.134	-14.134	0	%100
19	M65	X	-6.195	-6.195	0	%100
20	M65	Z	-10.731	-10.731	0	%100
21	M71	X	-6.421	-6.421	0	%100
22	M71	Z	-11.121	-11.121	0	%100
23	M86	X	-8.16	-8.16	0	%100
24	M86	Z	-14.134	-14.134	0	%100
25	M87	X	-6.195	-6.195	0	%100
26	M87	Z	-10.731	-10.731	0	%100
27	M90	X	-6.421	-6.421	0	%100
28	M90	Z	-11.121	-11.121	0	%100
29	M51A	X	-3.321	-3.321	0	%100
30	M51A	Z	-5.753	-5.753	0	%100
31	M52	X	-3.321	-3.321	0	%100
32	M52	Z	-5.753	-5.753	0	%100
33	M53A	X	-6.083	-6.083	0	%100
34	M53A	Z	-10.536	-10.536	0	%100
35	M56	X	-3.311	-3.311	0	%100
36	M56	Z	-5.735	-5.735	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	0	0	0	%100
39	M62	X	-2.04	-2.04	0	%100
40	M62	Z	-3.534	-3.534	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	0	0	0	%100
43	M65A	X	0	0	0	%100
44	M65A	Z	0	0	0	%100
45	M67	X	-2.04	-2.04	0	%100
46	M67	Z	-3.534	-3.534	0	%100
47	M68A	X	-6.195	-6.195	0	%100
48	M68A	Z	-10.731	-10.731	0	%100
49	M70	X	-6.421	-6.421	0	%100
50	M70	Z	-11.121	-11.121	0	%100
51	M72A	X	-1.214	-1.214	0	%100
52	M72A	Z	-2.102	-2.102	0	%100
53	M73	X	-3.321	-3.321	0	%100
54	M73	Z	-5.753	-5.753	0	%100
55	M74	X	-3.321	-3.321	0	%100
56	M74	Z	-5.753	-5.753	0	%100
57	M75	X	-6.083	-6.083	0	%100
58	M75	Z	-10.536	-10.536	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	0	0	0	%100
61	M79	X	-3.312	-3.312	0	%100
62	M79	Z	-5.736	-5.736	0	%100
63	M84	X	-2.04	-2.04	0	%100
64	M84	Z	-3.534	-3.534	0	%100
65	M85	X	-6.195	-6.195	0	%100
66	M85	Z	-10.731	-10.731	0	%100
67	M87A	X	-6.421	-6.421	0	%100
68	M87A	Z	-11.121	-11.121	0	%100
69	M89A	X	-2.04	-2.04	0	%100
70	M89A	Z	-3.534	-3.534	0	%100
71	M90A	X	0	0	0	%100
72	M90A	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[ft,%]	End Location[ft,%]
73	M92	X	0	0	0	%100
74	M92	Z	0	0	0	%100
75	M70A	X	-2.408	-2.408	0	%100
76	M70A	Z	-4.17	-4.17	0	%100
77	M71B	X	-2.408	-2.408	0	%100
78	M71B	Z	-4.17	-4.17	0	%100
79	M72B	X	0	0	0	%100
80	M72B	Z	0	0	0	%100
81	MP4A	X	-3.21	-3.21	0	%100
82	MP4A	Z	-5.561	-5.561	0	%100
83	MP3A	X	-3.21	-3.21	0	%100
84	MP3A	Z	-5.561	-5.561	0	%100
85	MP2A	X	-3.21	-3.21	0	%100
86	MP2A	Z	-5.561	-5.561	0	%100
87	MP1A	X	-3.21	-3.21	0	%100
88	MP1A	Z	-5.561	-5.561	0	%100
89	MP4C	X	-3.21	-3.21	0	%100
90	MP4C	Z	-5.561	-5.561	0	%100
91	MP3C	X	-3.21	-3.21	0	%100
92	MP3C	Z	-5.561	-5.561	0	%100
93	MP2C	X	-3.21	-3.21	0	%100
94	MP2C	Z	-5.561	-5.561	0	%100
95	MP1C	X	-3.21	-3.21	0	%100
96	MP1C	Z	-5.561	-5.561	0	%100
97	MP4B	X	-3.21	-3.21	0	%100
98	MP4B	Z	-5.561	-5.561	0	%100
99	MP3B	X	-3.21	-3.21	0	%100
100	MP3B	Z	-5.561	-5.561	0	%100
101	MP2B	X	-3.21	-3.21	0	%100
102	MP2B	Z	-5.561	-5.561	0	%100
103	MP1B	X	-3.21	-3.21	0	%100
104	MP1B	Z	-5.561	-5.561	0	%100
105	O1	X	-2.625	-2.625	0	%100
106	O1	Z	-4.547	-4.547	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	0	0	0	%100
109	M116	X	-2.849	-2.849	0	%100
110	M116	Z	-4.935	-4.935	0	%100
111	M119A	X	-2.849	-2.849	0	%100
112	M119A	Z	-4.935	-4.935	0	%100
113	M118A	X	-4.855	-4.855	0	%100
114	M118A	Z	-8.409	-8.409	0	%100
115	M119B	X	-1.214	-1.214	0	%100
116	M119B	Z	-2.102	-2.102	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[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	-2.55	-2.55	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	-.638	-.638	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	-.638	-.638	0	%100
7	M41A	X	0	0	0	%100
8	M41A	Z	-.562	-.562	0	%100
9	M42_1	X	0	0	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[ft,%]	End Location[ft,%]
10	M42_1	Z	-.562	-.562	0	%100
11	M43A_1	X	0	0	0	%100
12	M43A_1	Z	-.838	-.838	0	%100
13	M46A	X	0	0	0	%100
14	M46A	Z	-.6	-.6	0	%100
15	M47	X	0	0	0	%100
16	M47	Z	-2.4	-2.4	0	%100
17	M64	X	0	0	0	%100
18	M64	Z	-2.476	-2.476	0	%100
19	M65	X	0	0	0	%100
20	M65	Z	-3.335	-3.335	0	%100
21	M71	X	0	0	0	%100
22	M71	Z	-3.436	-3.436	0	%100
23	M86	X	0	0	0	%100
24	M86	Z	-2.476	-2.476	0	%100
25	M87	X	0	0	0	%100
26	M87	Z	-.834	-.834	0	%100
27	M90	X	0	0	0	%100
28	M90	Z	-.859	-.859	0	%100
29	M51A	X	0	0	0	%100
30	M51A	Z	-.562	-.562	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	-.562	-.562	0	%100
33	M53A	X	0	0	0	%100
34	M53A	Z	-.838	-.838	0	%100
35	M56	X	0	0	0	%100
36	M56	Z	-2.399	-2.399	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	-.6	-.6	0	%100
39	M62	X	0	0	0	%100
40	M62	Z	-2.476	-2.476	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	-.834	-.834	0	%100
43	M65A	X	0	0	0	%100
44	M65A	Z	-.859	-.859	0	%100
45	M67	X	0	0	0	%100
46	M67	Z	-2.476	-2.476	0	%100
47	M68A	X	0	0	0	%100
48	M68A	Z	-3.335	-3.335	0	%100
49	M70	X	0	0	0	%100
50	M70	Z	-3.436	-3.436	0	%100
51	M72A	X	0	0	0	%100
52	M72A	Z	0	0	0	%100
53	M73	X	0	0	0	%100
54	M73	Z	-2.247	-2.247	0	%100
55	M74	X	0	0	0	%100
56	M74	Z	-2.247	-2.247	0	%100
57	M75	X	0	0	0	%100
58	M75	Z	-3.351	-3.351	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	-.6	-.6	0	%100
61	M79	X	0	0	0	%100
62	M79	Z	-.6	-.6	0	%100
63	M84	X	0	0	0	%100
64	M84	Z	0	0	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	-.834	-.834	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[ft,%]	End Location[ft,%]
67	M87A	X	0	0	0	%100
68	M87A	Z	-.859	-.859	0	%100
69	M89A	X	0	0	0	%100
70	M89A	Z	0	0	0	%100
71	M90A	X	0	0	0	%100
72	M90A	Z	-.834	-.834	0	%100
73	M92	X	0	0	0	%100
74	M92	Z	-.859	-.859	0	%100
75	M70A	X	0	0	0	%100
76	M70A	Z	-2.039	-2.039	0	%100
77	M71B	X	0	0	0	%100
78	M71B	Z	-.51	-.51	0	%100
79	M72B	X	0	0	0	%100
80	M72B	Z	-.51	-.51	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-2.039	-2.039	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-2.039	-2.039	0	%100
85	MP2A	X	0	0	0	%100
86	MP2A	Z	-2.039	-2.039	0	%100
87	MP1A	X	0	0	0	%100
88	MP1A	Z	-2.039	-2.039	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-2.039	-2.039	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-2.039	-2.039	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-2.039	-2.039	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	-2.039	-2.039	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-2.039	-2.039	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-2.039	-2.039	0	%100
101	MP2B	X	0	0	0	%100
102	MP2B	Z	-2.039	-2.039	0	%100
103	MP1B	X	0	0	0	%100
104	MP1B	Z	-2.039	-2.039	0	%100
105	O1	X	0	0	0	%100
106	O1	Z	-1.701	-1.701	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	-.479	-.479	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	-.479	-.479	0	%100
111	M119A	X	0	0	0	%100
112	M119A	Z	-1.915	-1.915	0	%100
113	M118A	X	0	0	0	%100
114	M118A	Z	-1.944	-1.944	0	%100
115	M119B	X	0	0	0	%100
116	M119B	Z	-1.944	-1.944	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[ft,%]	End Location[ft,%]
1	M20	X	.956	.956	0	%100
2	M20	Z	-1.656	-1.656	0	%100
3	M32	X	.956	.956	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[ft,%]	End Location[ft,%]
4	M32	Z	-1.656	-1.656	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	0	0	0	%100
7	M41A	X	.842	.842	0	%100
8	M41A	Z	-1.459	-1.459	0	%100
9	M42_1	X	.842	.842	0	%100
10	M42_1	Z	-1.459	-1.459	0	%100
11	M43A_1	X	1.257	1.257	0	%100
12	M43A_1	Z	-2.176	-2.176	0	%100
13	M46A	X	0	0	0	%100
14	M46A	Z	0	0	0	%100
15	M47	X	.9	.9	0	%100
16	M47	Z	-1.559	-1.559	0	%100
17	M64	X	.413	.413	0	%100
18	M64	Z	-.715	-.715	0	%100
19	M65	X	1.251	1.251	0	%100
20	M65	Z	-2.166	-2.166	0	%100
21	M71	X	1.289	1.289	0	%100
22	M71	Z	-2.232	-2.232	0	%100
23	M86	X	.413	.413	0	%100
24	M86	Z	-.715	-.715	0	%100
25	M87	X	0	0	0	%100
26	M87	Z	0	0	0	%100
27	M90	X	0	0	0	%100
28	M90	Z	0	0	0	%100
29	M51A	X	0	0	0	%100
30	M51A	Z	0	0	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	0	0	0	%100
33	M53A	X	0	0	0	%100
34	M53A	Z	0	0	0	%100
35	M56	X	.9	.9	0	%100
36	M56	Z	-1.558	-1.558	0	%100
37	M57	X	.9	.9	0	%100
38	M57	Z	-1.559	-1.559	0	%100
39	M62	X	1.651	1.651	0	%100
40	M62	Z	-2.859	-2.859	0	%100
41	M63	X	1.251	1.251	0	%100
42	M63	Z	-2.166	-2.166	0	%100
43	M65A	X	1.289	1.289	0	%100
44	M65A	Z	-2.232	-2.232	0	%100
45	M67	X	1.651	1.651	0	%100
46	M67	Z	-2.859	-2.859	0	%100
47	M68A	X	1.251	1.251	0	%100
48	M68A	Z	-2.166	-2.166	0	%100
49	M70	X	1.289	1.289	0	%100
50	M70	Z	-2.232	-2.232	0	%100
51	M72A	X	.324	.324	0	%100
52	M72A	Z	-.561	-.561	0	%100
53	M73	X	.842	.842	0	%100
54	M73	Z	-1.459	-1.459	0	%100
55	M74	X	.842	.842	0	%100
56	M74	Z	-1.459	-1.459	0	%100
57	M75	X	1.257	1.257	0	%100
58	M75	Z	-2.176	-2.176	0	%100
59	M78	X	.9	.9	0	%100
60	M78	Z	-1.558	-1.558	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[ft,%]	End Location[ft,%]
61	M79	X	0	0	0	%100
62	M79	Z	0	0	0	%100
63	M84	X	.413	.413	0	%100
64	M84	Z	-.715	-.715	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	0	0	0	%100
67	M87A	X	0	0	0	%100
68	M87A	Z	0	0	0	%100
69	M89A	X	.413	.413	0	%100
70	M89A	Z	-.715	-.715	0	%100
71	M90A	X	1.251	1.251	0	%100
72	M90A	Z	-2.166	-2.166	0	%100
73	M92	X	1.289	1.289	0	%100
74	M92	Z	-2.232	-2.232	0	%100
75	M70A	X	.765	.765	0	%100
76	M70A	Z	-1.325	-1.325	0	%100
77	M71B	X	0	0	0	%100
78	M71B	Z	0	0	0	%100
79	M72B	X	.765	.765	0	%100
80	M72B	Z	-1.325	-1.325	0	%100
81	MP4A	X	1.02	1.02	0	%100
82	MP4A	Z	-1.766	-1.766	0	%100
83	MP3A	X	1.02	1.02	0	%100
84	MP3A	Z	-1.766	-1.766	0	%100
85	MP2A	X	1.02	1.02	0	%100
86	MP2A	Z	-1.766	-1.766	0	%100
87	MP1A	X	1.02	1.02	0	%100
88	MP1A	Z	-1.766	-1.766	0	%100
89	MP4C	X	1.02	1.02	0	%100
90	MP4C	Z	-1.766	-1.766	0	%100
91	MP3C	X	1.02	1.02	0	%100
92	MP3C	Z	-1.766	-1.766	0	%100
93	MP2C	X	1.02	1.02	0	%100
94	MP2C	Z	-1.766	-1.766	0	%100
95	MP1C	X	1.02	1.02	0	%100
96	MP1C	Z	-1.766	-1.766	0	%100
97	MP4B	X	1.02	1.02	0	%100
98	MP4B	Z	-1.766	-1.766	0	%100
99	MP3B	X	1.02	1.02	0	%100
100	MP3B	Z	-1.766	-1.766	0	%100
101	MP2B	X	1.02	1.02	0	%100
102	MP2B	Z	-1.766	-1.766	0	%100
103	MP1B	X	1.02	1.02	0	%100
104	MP1B	Z	-1.766	-1.766	0	%100
105	O1	X	.85	.85	0	%100
106	O1	Z	-1.473	-1.473	0	%100
107	M113	X	.718	.718	0	%100
108	M113	Z	-1.244	-1.244	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	0	0	0	%100
111	M119A	X	.718	.718	0	%100
112	M119A	Z	-1.244	-1.244	0	%100
113	M118A	X	.324	.324	0	%100
114	M118A	Z	-.561	-.561	0	%100
115	M119B	X	1.296	1.296	0	%100
116	M119B	Z	-2.244	-2.244	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[ft,%]	End Location[ft,%]
1	M20	X	.552	.552	0	%100
2	M20	Z	-.319	-.319	0	%100
3	M32	X	2.209	2.209	0	%100
4	M32	Z	-1.275	-1.275	0	%100
5	M33A	X	.552	.552	0	%100
6	M33A	Z	-.319	-.319	0	%100
7	M41A	X	1.946	1.946	0	%100
8	M41A	Z	-1.123	-1.123	0	%100
9	M42_1	X	1.946	1.946	0	%100
10	M42_1	Z	-1.123	-1.123	0	%100
11	M43A_1	X	2.902	2.902	0	%100
12	M43A_1	Z	-1.675	-1.675	0	%100
13	M46A	X	.519	.519	0	%100
14	M46A	Z	-.3	-.3	0	%100
15	M47	X	.52	.52	0	%100
16	M47	Z	-.3	-.3	0	%100
17	M64	X	0	0	0	%100
18	M64	Z	0	0	0	%100
19	M65	X	.722	.722	0	%100
20	M65	Z	-.417	-.417	0	%100
21	M71	X	.744	.744	0	%100
22	M71	Z	-.43	-.43	0	%100
23	M86	X	0	0	0	%100
24	M86	Z	0	0	0	%100
25	M87	X	.722	.722	0	%100
26	M87	Z	-.417	-.417	0	%100
27	M90	X	.744	.744	0	%100
28	M90	Z	-.43	-.43	0	%100
29	M51A	X	.486	.486	0	%100
30	M51A	Z	-.281	-.281	0	%100
31	M52	X	.486	.486	0	%100
32	M52	Z	-.281	-.281	0	%100
33	M53A	X	.725	.725	0	%100
34	M53A	Z	-.419	-.419	0	%100
35	M56	X	.519	.519	0	%100
36	M56	Z	-.3	-.3	0	%100
37	M57	X	2.078	2.078	0	%100
38	M57	Z	-1.2	-1.2	0	%100
39	M62	X	2.145	2.145	0	%100
40	M62	Z	-1.238	-1.238	0	%100
41	M63	X	2.889	2.889	0	%100
42	M63	Z	-1.668	-1.668	0	%100
43	M65A	X	2.976	2.976	0	%100
44	M65A	Z	-1.718	-1.718	0	%100
45	M67	X	2.145	2.145	0	%100
46	M67	Z	-1.238	-1.238	0	%100
47	M68A	X	.722	.722	0	%100
48	M68A	Z	-.417	-.417	0	%100
49	M70	X	.744	.744	0	%100
50	M70	Z	-.43	-.43	0	%100
51	M72A	X	1.683	1.683	0	%100
52	M72A	Z	-.972	-.972	0	%100
53	M73	X	.486	.486	0	%100
54	M73	Z	-.281	-.281	0	%100
55	M74	X	.486	.486	0	%100
56	M74	Z	-.281	-.281	0	%100
57	M75	X	.725	.725	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[ft,%]	End Location[ft,%]
58	M75	Z	-.419	-.419	0	%100
59	M78	X	2.078	2.078	0	%100
60	M78	Z	-1.2	-1.2	0	%100
61	M79	X	.52	.52	0	%100
62	M79	Z	-.3	-.3	0	%100
63	M84	X	2.145	2.145	0	%100
64	M84	Z	-1.238	-1.238	0	%100
65	M85	X	.722	.722	0	%100
66	M85	Z	-.417	-.417	0	%100
67	M87A	X	.744	.744	0	%100
68	M87A	Z	-.43	-.43	0	%100
69	M89A	X	2.145	2.145	0	%100
70	M89A	Z	-1.238	-1.238	0	%100
71	M90A	X	2.889	2.889	0	%100
72	M90A	Z	-1.668	-1.668	0	%100
73	M92	X	2.976	2.976	0	%100
74	M92	Z	-1.718	-1.718	0	%100
75	M70A	X	.442	.442	0	%100
76	M70A	Z	-.255	-.255	0	%100
77	M71B	X	.442	.442	0	%100
78	M71B	Z	-.255	-.255	0	%100
79	M72B	X	1.766	1.766	0	%100
80	M72B	Z	-1.02	-1.02	0	%100
81	MP4A	X	1.766	1.766	0	%100
82	MP4A	Z	-1.02	-1.02	0	%100
83	MP3A	X	1.766	1.766	0	%100
84	MP3A	Z	-1.02	-1.02	0	%100
85	MP2A	X	1.766	1.766	0	%100
86	MP2A	Z	-1.02	-1.02	0	%100
87	MP1A	X	1.766	1.766	0	%100
88	MP1A	Z	-1.02	-1.02	0	%100
89	MP4C	X	1.766	1.766	0	%100
90	MP4C	Z	-1.02	-1.02	0	%100
91	MP3C	X	1.766	1.766	0	%100
92	MP3C	Z	-1.02	-1.02	0	%100
93	MP2C	X	1.766	1.766	0	%100
94	MP2C	Z	-1.02	-1.02	0	%100
95	MP1C	X	1.766	1.766	0	%100
96	MP1C	Z	-1.02	-1.02	0	%100
97	MP4B	X	1.766	1.766	0	%100
98	MP4B	Z	-1.02	-1.02	0	%100
99	MP3B	X	1.766	1.766	0	%100
100	MP3B	Z	-1.02	-1.02	0	%100
101	MP2B	X	1.766	1.766	0	%100
102	MP2B	Z	-1.02	-1.02	0	%100
103	MP1B	X	1.766	1.766	0	%100
104	MP1B	Z	-1.02	-1.02	0	%100
105	O1	X	1.473	1.473	0	%100
106	O1	Z	-.85	-.85	0	%100
107	M113	X	1.659	1.659	0	%100
108	M113	Z	-.958	-.958	0	%100
109	M116	X	.415	.415	0	%100
110	M116	Z	-.239	-.239	0	%100
111	M119A	X	.415	.415	0	%100
112	M119A	Z	-.239	-.239	0	%100
113	M118A	X	0	0	0	%100
114	M118A	Z	0	0	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[ft,%]	End Location[ft,%]
115	M119B	X	1.683	1.683	0	%100
116	M119B	Z	-.972	-.972	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[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	1.913	1.913	0	%100
4	M32	Z	0	0	0	%100
5	M33A	X	1.913	1.913	0	%100
6	M33A	Z	0	0	0	%100
7	M41A	X	1.685	1.685	0	%100
8	M41A	Z	0	0	0	%100
9	M42_1	X	1.685	1.685	0	%100
10	M42_1	Z	0	0	0	%100
11	M43A_1	X	2.513	2.513	0	%100
12	M43A_1	Z	0	0	0	%100
13	M46A	X	1.799	1.799	0	%100
14	M46A	Z	0	0	0	%100
15	M47	X	0	0	0	%100
16	M47	Z	0	0	0	%100
17	M64	X	.825	.825	0	%100
18	M64	Z	0	0	0	%100
19	M65	X	0	0	0	%100
20	M65	Z	0	0	0	%100
21	M71	X	0	0	0	%100
22	M71	Z	0	0	0	%100
23	M86	X	.825	.825	0	%100
24	M86	Z	0	0	0	%100
25	M87	X	2.502	2.502	0	%100
26	M87	Z	0	0	0	%100
27	M90	X	2.577	2.577	0	%100
28	M90	Z	0	0	0	%100
29	M51A	X	1.685	1.685	0	%100
30	M51A	Z	0	0	0	%100
31	M52	X	1.685	1.685	0	%100
32	M52	Z	0	0	0	%100
33	M53A	X	2.513	2.513	0	%100
34	M53A	Z	0	0	0	%100
35	M56	X	0	0	0	%100
36	M56	Z	0	0	0	%100
37	M57	X	1.8	1.8	0	%100
38	M57	Z	0	0	0	%100
39	M62	X	.825	.825	0	%100
40	M62	Z	0	0	0	%100
41	M63	X	2.502	2.502	0	%100
42	M63	Z	0	0	0	%100
43	M65A	X	2.577	2.577	0	%100
44	M65A	Z	0	0	0	%100
45	M67	X	.825	.825	0	%100
46	M67	Z	0	0	0	%100
47	M68A	X	0	0	0	%100
48	M68A	Z	0	0	0	%100
49	M70	X	0	0	0	%100
50	M70	Z	0	0	0	%100
51	M72A	X	2.592	2.592	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[ft,%]	End Location[ft,%]
52	M72A	Z	0	0	0	%100
53	M73	X	0	0	0	%100
54	M73	Z	0	0	0	%100
55	M74	X	0	0	0	%100
56	M74	Z	0	0	0	%100
57	M75	X	0	0	0	%100
58	M75	Z	0	0	0	%100
59	M78	X	1.799	1.799	0	%100
60	M78	Z	0	0	0	%100
61	M79	X	1.8	1.8	0	%100
62	M79	Z	0	0	0	%100
63	M84	X	3.302	3.302	0	%100
64	M84	Z	0	0	0	%100
65	M85	X	2.502	2.502	0	%100
66	M85	Z	0	0	0	%100
67	M87A	X	2.577	2.577	0	%100
68	M87A	Z	0	0	0	%100
69	M89A	X	3.302	3.302	0	%100
70	M89A	Z	0	0	0	%100
71	M90A	X	2.502	2.502	0	%100
72	M90A	Z	0	0	0	%100
73	M92	X	2.577	2.577	0	%100
74	M92	Z	0	0	0	%100
75	M70A	X	0	0	0	%100
76	M70A	Z	0	0	0	%100
77	M71B	X	1.529	1.529	0	%100
78	M71B	Z	0	0	0	%100
79	M72B	X	1.529	1.529	0	%100
80	M72B	Z	0	0	0	%100
81	MP4A	X	2.039	2.039	0	%100
82	MP4A	Z	0	0	0	%100
83	MP3A	X	2.039	2.039	0	%100
84	MP3A	Z	0	0	0	%100
85	MP2A	X	2.039	2.039	0	%100
86	MP2A	Z	0	0	0	%100
87	MP1A	X	2.039	2.039	0	%100
88	MP1A	Z	0	0	0	%100
89	MP4C	X	2.039	2.039	0	%100
90	MP4C	Z	0	0	0	%100
91	MP3C	X	2.039	2.039	0	%100
92	MP3C	Z	0	0	0	%100
93	MP2C	X	2.039	2.039	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	2.039	2.039	0	%100
96	MP1C	Z	0	0	0	%100
97	MP4B	X	2.039	2.039	0	%100
98	MP4B	Z	0	0	0	%100
99	MP3B	X	2.039	2.039	0	%100
100	MP3B	Z	0	0	0	%100
101	MP2B	X	2.039	2.039	0	%100
102	MP2B	Z	0	0	0	%100
103	MP1B	X	2.039	2.039	0	%100
104	MP1B	Z	0	0	0	%100
105	O1	X	1.701	1.701	0	%100
106	O1	Z	0	0	0	%100
107	M113	X	1.436	1.436	0	%100
108	M113	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[ft,%]	End Location[ft,%]
109	M116	X	1.436	1.436	0	%100
110	M116	Z	0	0	0	%100
111	M119A	X	0	0	0	%100
112	M119A	Z	0	0	0	%100
113	M118A	X	.648	.648	0	%100
114	M118A	Z	0	0	0	%100
115	M119B	X	.648	.648	0	%100
116	M119B	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[ft,%]	End Location[ft,%]
1	M20	X	.552	.552	0	%100
2	M20	Z	.319	.319	0	%100
3	M32	X	.552	.552	0	%100
4	M32	Z	.319	.319	0	%100
5	M33A	X	2.209	2.209	0	%100
6	M33A	Z	1.275	1.275	0	%100
7	M41A	X	.486	.486	0	%100
8	M41A	Z	.281	.281	0	%100
9	M42_1	X	.486	.486	0	%100
10	M42_1	Z	.281	.281	0	%100
11	M43A_1	X	.725	.725	0	%100
12	M43A_1	Z	.419	.419	0	%100
13	M46A	X	2.078	2.078	0	%100
14	M46A	Z	1.2	1.2	0	%100
15	M47	X	.52	.52	0	%100
16	M47	Z	.3	.3	0	%100
17	M64	X	2.145	2.145	0	%100
18	M64	Z	1.238	1.238	0	%100
19	M65	X	.722	.722	0	%100
20	M65	Z	.417	.417	0	%100
21	M71	X	.744	.744	0	%100
22	M71	Z	.43	.43	0	%100
23	M86	X	2.145	2.145	0	%100
24	M86	Z	1.238	1.238	0	%100
25	M87	X	2.889	2.889	0	%100
26	M87	Z	1.668	1.668	0	%100
27	M90	X	2.976	2.976	0	%100
28	M90	Z	1.718	1.718	0	%100
29	M51A	X	1.946	1.946	0	%100
30	M51A	Z	1.123	1.123	0	%100
31	M52	X	1.946	1.946	0	%100
32	M52	Z	1.123	1.123	0	%100
33	M53A	X	2.902	2.902	0	%100
34	M53A	Z	1.675	1.675	0	%100
35	M56	X	.519	.519	0	%100
36	M56	Z	.3	.3	0	%100
37	M57	X	.52	.52	0	%100
38	M57	Z	.3	.3	0	%100
39	M62	X	0	0	0	%100
40	M62	Z	0	0	0	%100
41	M63	X	.722	.722	0	%100
42	M63	Z	.417	.417	0	%100
43	M65A	X	.744	.744	0	%100
44	M65A	Z	.43	.43	0	%100
45	M67	X	0	0	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[ft,%]	End Location[ft,%]
46	M67	Z	0	0	0	%100
47	M68A	X	.722	.722	0	%100
48	M68A	Z	.417	.417	0	%100
49	M70	X	.744	.744	0	%100
50	M70	Z	.43	.43	0	%100
51	M72A	X	1.683	1.683	0	%100
52	M72A	Z	.972	.972	0	%100
53	M73	X	.486	.486	0	%100
54	M73	Z	.281	.281	0	%100
55	M74	X	.486	.486	0	%100
56	M74	Z	.281	.281	0	%100
57	M75	X	.725	.725	0	%100
58	M75	Z	.419	.419	0	%100
59	M78	X	.519	.519	0	%100
60	M78	Z	.3	.3	0	%100
61	M79	X	2.078	2.078	0	%100
62	M79	Z	1.2	1.2	0	%100
63	M84	X	2.145	2.145	0	%100
64	M84	Z	1.238	1.238	0	%100
65	M85	X	2.889	2.889	0	%100
66	M85	Z	1.668	1.668	0	%100
67	M87A	X	2.976	2.976	0	%100
68	M87A	Z	1.718	1.718	0	%100
69	M89A	X	2.145	2.145	0	%100
70	M89A	Z	1.238	1.238	0	%100
71	M90A	X	.722	.722	0	%100
72	M90A	Z	.417	.417	0	%100
73	M92	X	.744	.744	0	%100
74	M92	Z	.43	.43	0	%100
75	M70A	X	.442	.442	0	%100
76	M70A	Z	.255	.255	0	%100
77	M71B	X	1.766	1.766	0	%100
78	M71B	Z	1.02	1.02	0	%100
79	M72B	X	.442	.442	0	%100
80	M72B	Z	.255	.255	0	%100
81	MP4A	X	1.766	1.766	0	%100
82	MP4A	Z	1.02	1.02	0	%100
83	MP3A	X	1.766	1.766	0	%100
84	MP3A	Z	1.02	1.02	0	%100
85	MP2A	X	1.766	1.766	0	%100
86	MP2A	Z	1.02	1.02	0	%100
87	MP1A	X	1.766	1.766	0	%100
88	MP1A	Z	1.02	1.02	0	%100
89	MP4C	X	1.766	1.766	0	%100
90	MP4C	Z	1.02	1.02	0	%100
91	MP3C	X	1.766	1.766	0	%100
92	MP3C	Z	1.02	1.02	0	%100
93	MP2C	X	1.766	1.766	0	%100
94	MP2C	Z	1.02	1.02	0	%100
95	MP1C	X	1.766	1.766	0	%100
96	MP1C	Z	1.02	1.02	0	%100
97	MP4B	X	1.766	1.766	0	%100
98	MP4B	Z	1.02	1.02	0	%100
99	MP3B	X	1.766	1.766	0	%100
100	MP3B	Z	1.02	1.02	0	%100
101	MP2B	X	1.766	1.766	0	%100
102	MP2B	Z	1.02	1.02	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[ft,%]	End Location[ft,%]
103	MP1B	X	1.766	1.766	0	%100
104	MP1B	Z	1.02	1.02	0	%100
105	O1	X	1.473	1.473	0	%100
106	O1	Z	.85	.85	0	%100
107	M113	X	.415	.415	0	%100
108	M113	Z	.239	.239	0	%100
109	M116	X	1.659	1.659	0	%100
110	M116	Z	.958	.958	0	%100
111	M119A	X	.415	.415	0	%100
112	M119A	Z	.239	.239	0	%100
113	M118A	X	1.683	1.683	0	%100
114	M118A	Z	.972	.972	0	%100
115	M119B	X	0	0	0	%100
116	M119B	Z	0	0	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[ft,%]	End Location[ft,%]
1	M20	X	.956	.956	0	%100
2	M20	Z	1.656	1.656	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	0	0	0	%100
5	M33A	X	.956	.956	0	%100
6	M33A	Z	1.656	1.656	0	%100
7	M41A	X	0	0	0	%100
8	M41A	Z	0	0	0	%100
9	M42_1	X	0	0	0	%100
10	M42_1	Z	0	0	0	%100
11	M43A_1	X	0	0	0	%100
12	M43A_1	Z	0	0	0	%100
13	M46A	X	.9	.9	0	%100
14	M46A	Z	1.558	1.558	0	%100
15	M47	X	.9	.9	0	%100
16	M47	Z	1.559	1.559	0	%100
17	M64	X	1.651	1.651	0	%100
18	M64	Z	2.859	2.859	0	%100
19	M65	X	1.251	1.251	0	%100
20	M65	Z	2.166	2.166	0	%100
21	M71	X	1.289	1.289	0	%100
22	M71	Z	2.232	2.232	0	%100
23	M86	X	1.651	1.651	0	%100
24	M86	Z	2.859	2.859	0	%100
25	M87	X	1.251	1.251	0	%100
26	M87	Z	2.166	2.166	0	%100
27	M90	X	1.289	1.289	0	%100
28	M90	Z	2.232	2.232	0	%100
29	M51A	X	.842	.842	0	%100
30	M51A	Z	1.459	1.459	0	%100
31	M52	X	.842	.842	0	%100
32	M52	Z	1.459	1.459	0	%100
33	M53A	X	1.257	1.257	0	%100
34	M53A	Z	2.176	2.176	0	%100
35	M56	X	.9	.9	0	%100
36	M56	Z	1.558	1.558	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	0	0	0	%100
39	M62	X	.413	.413	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[ft,%]	End Location[ft,%]
40	M62	Z	.715	.715	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	0	0	0	%100
43	M65A	X	0	0	0	%100
44	M65A	Z	0	0	0	%100
45	M67	X	.413	.413	0	%100
46	M67	Z	.715	.715	0	%100
47	M68A	X	1.251	1.251	0	%100
48	M68A	Z	2.166	2.166	0	%100
49	M70	X	1.289	1.289	0	%100
50	M70	Z	2.232	2.232	0	%100
51	M72A	X	.324	.324	0	%100
52	M72A	Z	.561	.561	0	%100
53	M73	X	.842	.842	0	%100
54	M73	Z	1.459	1.459	0	%100
55	M74	X	.842	.842	0	%100
56	M74	Z	1.459	1.459	0	%100
57	M75	X	1.257	1.257	0	%100
58	M75	Z	2.176	2.176	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	0	0	0	%100
61	M79	X	.9	.9	0	%100
62	M79	Z	1.559	1.559	0	%100
63	M84	X	.413	.413	0	%100
64	M84	Z	.715	.715	0	%100
65	M85	X	1.251	1.251	0	%100
66	M85	Z	2.166	2.166	0	%100
67	M87A	X	1.289	1.289	0	%100
68	M87A	Z	2.232	2.232	0	%100
69	M89A	X	.413	.413	0	%100
70	M89A	Z	.715	.715	0	%100
71	M90A	X	0	0	0	%100
72	M90A	Z	0	0	0	%100
73	M92	X	0	0	0	%100
74	M92	Z	0	0	0	%100
75	M70A	X	.765	.765	0	%100
76	M70A	Z	1.325	1.325	0	%100
77	M71B	X	.765	.765	0	%100
78	M71B	Z	1.325	1.325	0	%100
79	M72B	X	0	0	0	%100
80	M72B	Z	0	0	0	%100
81	MP4A	X	1.02	1.02	0	%100
82	MP4A	Z	1.766	1.766	0	%100
83	MP3A	X	1.02	1.02	0	%100
84	MP3A	Z	1.766	1.766	0	%100
85	MP2A	X	1.02	1.02	0	%100
86	MP2A	Z	1.766	1.766	0	%100
87	MP1A	X	1.02	1.02	0	%100
88	MP1A	Z	1.766	1.766	0	%100
89	MP4C	X	1.02	1.02	0	%100
90	MP4C	Z	1.766	1.766	0	%100
91	MP3C	X	1.02	1.02	0	%100
92	MP3C	Z	1.766	1.766	0	%100
93	MP2C	X	1.02	1.02	0	%100
94	MP2C	Z	1.766	1.766	0	%100
95	MP1C	X	1.02	1.02	0	%100
96	MP1C	Z	1.766	1.766	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[ft,%]	End Location[ft,%]
97	MP4B	X	1.02	1.02	0	%100
98	MP4B	Z	1.766	1.766	0	%100
99	MP3B	X	1.02	1.02	0	%100
100	MP3B	Z	1.766	1.766	0	%100
101	MP2B	X	1.02	1.02	0	%100
102	MP2B	Z	1.766	1.766	0	%100
103	MP1B	X	1.02	1.02	0	%100
104	MP1B	Z	1.766	1.766	0	%100
105	O1	X	.85	.85	0	%100
106	O1	Z	1.473	1.473	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	0	0	0	%100
109	M116	X	.718	.718	0	%100
110	M116	Z	1.244	1.244	0	%100
111	M119A	X	.718	.718	0	%100
112	M119A	Z	1.244	1.244	0	%100
113	M118A	X	1.296	1.296	0	%100
114	M118A	Z	2.244	2.244	0	%100
115	M119B	X	.324	.324	0	%100
116	M119B	Z	.561	.561	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[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	2.55	2.55	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	.638	.638	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	.638	.638	0	%100
7	M41A	X	0	0	0	%100
8	M41A	Z	.562	.562	0	%100
9	M42_1	X	0	0	0	%100
10	M42_1	Z	.562	.562	0	%100
11	M43A_1	X	0	0	0	%100
12	M43A_1	Z	.838	.838	0	%100
13	M46A	X	0	0	0	%100
14	M46A	Z	.6	.6	0	%100
15	M47	X	0	0	0	%100
16	M47	Z	2.4	2.4	0	%100
17	M64	X	0	0	0	%100
18	M64	Z	2.476	2.476	0	%100
19	M65	X	0	0	0	%100
20	M65	Z	3.335	3.335	0	%100
21	M71	X	0	0	0	%100
22	M71	Z	3.436	3.436	0	%100
23	M86	X	0	0	0	%100
24	M86	Z	2.476	2.476	0	%100
25	M87	X	0	0	0	%100
26	M87	Z	.834	.834	0	%100
27	M90	X	0	0	0	%100
28	M90	Z	.859	.859	0	%100
29	M51A	X	0	0	0	%100
30	M51A	Z	.562	.562	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	.562	.562	0	%100
33	M53A	X	0	0	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[ft,%]	End Location[ft,%]
34	M53A	Z	.838	.838	0	%100
35	M56	X	0	0	0	%100
36	M56	Z	2.399	2.399	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	.6	.6	0	%100
39	M62	X	0	0	0	%100
40	M62	Z	2.476	2.476	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	.834	.834	0	%100
43	M65A	X	0	0	0	%100
44	M65A	Z	.859	.859	0	%100
45	M67	X	0	0	0	%100
46	M67	Z	2.476	2.476	0	%100
47	M68A	X	0	0	0	%100
48	M68A	Z	3.335	3.335	0	%100
49	M70	X	0	0	0	%100
50	M70	Z	3.436	3.436	0	%100
51	M72A	X	0	0	0	%100
52	M72A	Z	0	0	0	%100
53	M73	X	0	0	0	%100
54	M73	Z	2.247	2.247	0	%100
55	M74	X	0	0	0	%100
56	M74	Z	2.247	2.247	0	%100
57	M75	X	0	0	0	%100
58	M75	Z	3.351	3.351	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	.6	.6	0	%100
61	M79	X	0	0	0	%100
62	M79	Z	.6	.6	0	%100
63	M84	X	0	0	0	%100
64	M84	Z	0	0	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	.834	.834	0	%100
67	M87A	X	0	0	0	%100
68	M87A	Z	.859	.859	0	%100
69	M89A	X	0	0	0	%100
70	M89A	Z	0	0	0	%100
71	M90A	X	0	0	0	%100
72	M90A	Z	.834	.834	0	%100
73	M92	X	0	0	0	%100
74	M92	Z	.859	.859	0	%100
75	M70A	X	0	0	0	%100
76	M70A	Z	2.039	2.039	0	%100
77	M71B	X	0	0	0	%100
78	M71B	Z	.51	.51	0	%100
79	M72B	X	0	0	0	%100
80	M72B	Z	.51	.51	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	2.039	2.039	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	2.039	2.039	0	%100
85	MP2A	X	0	0	0	%100
86	MP2A	Z	2.039	2.039	0	%100
87	MP1A	X	0	0	0	%100
88	MP1A	Z	2.039	2.039	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	2.039	2.039	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[ft,%]	End Location[ft,%]
91	MP3C	X	0	0	0	%100
92	MP3C	Z	2.039	2.039	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	2.039	2.039	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	2.039	2.039	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	2.039	2.039	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	2.039	2.039	0	%100
101	MP2B	X	0	0	0	%100
102	MP2B	Z	2.039	2.039	0	%100
103	MP1B	X	0	0	0	%100
104	MP1B	Z	2.039	2.039	0	%100
105	O1	X	0	0	0	%100
106	O1	Z	1.701	1.701	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	.479	.479	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	.479	.479	0	%100
111	M119A	X	0	0	0	%100
112	M119A	Z	1.915	1.915	0	%100
113	M118A	X	0	0	0	%100
114	M118A	Z	1.944	1.944	0	%100
115	M119B	X	0	0	0	%100
116	M119B	Z	1.944	1.944	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[ft,%]	End Location[ft,%]
1	M20	X	-.956	-.956	0	%100
2	M20	Z	1.656	1.656	0	%100
3	M32	X	-.956	-.956	0	%100
4	M32	Z	1.656	1.656	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	0	0	0	%100
7	M41A	X	-.842	-.842	0	%100
8	M41A	Z	1.459	1.459	0	%100
9	M42_1	X	-.842	-.842	0	%100
10	M42_1	Z	1.459	1.459	0	%100
11	M43A_1	X	-1.257	-1.257	0	%100
12	M43A_1	Z	2.176	2.176	0	%100
13	M46A	X	0	0	0	%100
14	M46A	Z	0	0	0	%100
15	M47	X	-.9	-.9	0	%100
16	M47	Z	1.559	1.559	0	%100
17	M64	X	-.413	-.413	0	%100
18	M64	Z	.715	.715	0	%100
19	M65	X	-1.251	-1.251	0	%100
20	M65	Z	2.166	2.166	0	%100
21	M71	X	-1.289	-1.289	0	%100
22	M71	Z	2.232	2.232	0	%100
23	M86	X	-.413	-.413	0	%100
24	M86	Z	.715	.715	0	%100
25	M87	X	0	0	0	%100
26	M87	Z	0	0	0	%100
27	M90	X	0	0	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[ft,%]	End Location[ft,%]
28	M90	Z	0	0	0	%100
29	M51A	X	0	0	0	%100
30	M51A	Z	0	0	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	0	0	0	%100
33	M53A	X	0	0	0	%100
34	M53A	Z	0	0	0	%100
35	M56	X	-.9	-.9	0	%100
36	M56	Z	1.558	1.558	0	%100
37	M57	X	-.9	-.9	0	%100
38	M57	Z	1.559	1.559	0	%100
39	M62	X	-1.651	-1.651	0	%100
40	M62	Z	2.859	2.859	0	%100
41	M63	X	-1.251	-1.251	0	%100
42	M63	Z	2.166	2.166	0	%100
43	M65A	X	-1.289	-1.289	0	%100
44	M65A	Z	2.232	2.232	0	%100
45	M67	X	-1.651	-1.651	0	%100
46	M67	Z	2.859	2.859	0	%100
47	M68A	X	-1.251	-1.251	0	%100
48	M68A	Z	2.166	2.166	0	%100
49	M70	X	-1.289	-1.289	0	%100
50	M70	Z	2.232	2.232	0	%100
51	M72A	X	-.324	-.324	0	%100
52	M72A	Z	.561	.561	0	%100
53	M73	X	-.842	-.842	0	%100
54	M73	Z	1.459	1.459	0	%100
55	M74	X	-.842	-.842	0	%100
56	M74	Z	1.459	1.459	0	%100
57	M75	X	-1.257	-1.257	0	%100
58	M75	Z	2.176	2.176	0	%100
59	M78	X	-.9	-.9	0	%100
60	M78	Z	1.558	1.558	0	%100
61	M79	X	0	0	0	%100
62	M79	Z	0	0	0	%100
63	M84	X	-.413	-.413	0	%100
64	M84	Z	.715	.715	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	0	0	0	%100
67	M87A	X	0	0	0	%100
68	M87A	Z	0	0	0	%100
69	M89A	X	-.413	-.413	0	%100
70	M89A	Z	.715	.715	0	%100
71	M90A	X	-1.251	-1.251	0	%100
72	M90A	Z	2.166	2.166	0	%100
73	M92	X	-1.289	-1.289	0	%100
74	M92	Z	2.232	2.232	0	%100
75	M70A	X	-.765	-.765	0	%100
76	M70A	Z	1.325	1.325	0	%100
77	M71B	X	0	0	0	%100
78	M71B	Z	0	0	0	%100
79	M72B	X	-.765	-.765	0	%100
80	M72B	Z	1.325	1.325	0	%100
81	MP4A	X	-1.02	-1.02	0	%100
82	MP4A	Z	1.766	1.766	0	%100
83	MP3A	X	-1.02	-1.02	0	%100
84	MP3A	Z	1.766	1.766	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[ft,%]	End Location[ft,%]
85	MP2A	X	-1.02	-1.02	0	%100
86	MP2A	Z	1.766	1.766	0	%100
87	MP1A	X	-1.02	-1.02	0	%100
88	MP1A	Z	1.766	1.766	0	%100
89	MP4C	X	-1.02	-1.02	0	%100
90	MP4C	Z	1.766	1.766	0	%100
91	MP3C	X	-1.02	-1.02	0	%100
92	MP3C	Z	1.766	1.766	0	%100
93	MP2C	X	-1.02	-1.02	0	%100
94	MP2C	Z	1.766	1.766	0	%100
95	MP1C	X	-1.02	-1.02	0	%100
96	MP1C	Z	1.766	1.766	0	%100
97	MP4B	X	-1.02	-1.02	0	%100
98	MP4B	Z	1.766	1.766	0	%100
99	MP3B	X	-1.02	-1.02	0	%100
100	MP3B	Z	1.766	1.766	0	%100
101	MP2B	X	-1.02	-1.02	0	%100
102	MP2B	Z	1.766	1.766	0	%100
103	MP1B	X	-1.02	-1.02	0	%100
104	MP1B	Z	1.766	1.766	0	%100
105	O1	X	-.85	-.85	0	%100
106	O1	Z	1.473	1.473	0	%100
107	M113	X	-.718	-.718	0	%100
108	M113	Z	1.244	1.244	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	0	0	0	%100
111	M119A	X	-.718	-.718	0	%100
112	M119A	Z	1.244	1.244	0	%100
113	M118A	X	-.324	-.324	0	%100
114	M118A	Z	.561	.561	0	%100
115	M119B	X	-1.296	-1.296	0	%100
116	M119B	Z	2.244	2.244	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[ft,%]	End Location[ft,%]
1	M20	X	-.552	-.552	0	%100
2	M20	Z	.319	.319	0	%100
3	M32	X	-2.209	-2.209	0	%100
4	M32	Z	1.275	1.275	0	%100
5	M33A	X	-.552	-.552	0	%100
6	M33A	Z	.319	.319	0	%100
7	M41A	X	-1.946	-1.946	0	%100
8	M41A	Z	1.123	1.123	0	%100
9	M42_1	X	-1.946	-1.946	0	%100
10	M42_1	Z	1.123	1.123	0	%100
11	M43A_1	X	-2.902	-2.902	0	%100
12	M43A_1	Z	1.675	1.675	0	%100
13	M46A	X	-.519	-.519	0	%100
14	M46A	Z	.3	.3	0	%100
15	M47	X	-.52	-.52	0	%100
16	M47	Z	.3	.3	0	%100
17	M64	X	0	0	0	%100
18	M64	Z	0	0	0	%100
19	M65	X	-.722	-.722	0	%100
20	M65	Z	.417	.417	0	%100
21	M71	X	-.744	-.744	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[ft,%]	End Location[ft,%]
22	M71	Z	.43	.43	0	%100
23	M86	X	0	0	0	%100
24	M86	Z	0	0	0	%100
25	M87	X	-.722	-.722	0	%100
26	M87	Z	.417	.417	0	%100
27	M90	X	-.744	-.744	0	%100
28	M90	Z	.43	.43	0	%100
29	M51A	X	-.486	-.486	0	%100
30	M51A	Z	.281	.281	0	%100
31	M52	X	-.486	-.486	0	%100
32	M52	Z	.281	.281	0	%100
33	M53A	X	-.725	-.725	0	%100
34	M53A	Z	.419	.419	0	%100
35	M56	X	-.519	-.519	0	%100
36	M56	Z	.3	.3	0	%100
37	M57	X	-2.078	-2.078	0	%100
38	M57	Z	1.2	1.2	0	%100
39	M62	X	-2.145	-2.145	0	%100
40	M62	Z	1.238	1.238	0	%100
41	M63	X	-2.889	-2.889	0	%100
42	M63	Z	1.668	1.668	0	%100
43	M65A	X	-2.976	-2.976	0	%100
44	M65A	Z	1.718	1.718	0	%100
45	M67	X	-2.145	-2.145	0	%100
46	M67	Z	1.238	1.238	0	%100
47	M68A	X	-.722	-.722	0	%100
48	M68A	Z	.417	.417	0	%100
49	M70	X	-.744	-.744	0	%100
50	M70	Z	.43	.43	0	%100
51	M72A	X	-1.683	-1.683	0	%100
52	M72A	Z	.972	.972	0	%100
53	M73	X	-.486	-.486	0	%100
54	M73	Z	.281	.281	0	%100
55	M74	X	-.486	-.486	0	%100
56	M74	Z	.281	.281	0	%100
57	M75	X	-.725	-.725	0	%100
58	M75	Z	.419	.419	0	%100
59	M78	X	-2.078	-2.078	0	%100
60	M78	Z	1.2	1.2	0	%100
61	M79	X	-.52	-.52	0	%100
62	M79	Z	.3	.3	0	%100
63	M84	X	-2.145	-2.145	0	%100
64	M84	Z	1.238	1.238	0	%100
65	M85	X	-.722	-.722	0	%100
66	M85	Z	.417	.417	0	%100
67	M87A	X	-.744	-.744	0	%100
68	M87A	Z	.43	.43	0	%100
69	M89A	X	-2.145	-2.145	0	%100
70	M89A	Z	1.238	1.238	0	%100
71	M90A	X	-2.889	-2.889	0	%100
72	M90A	Z	1.668	1.668	0	%100
73	M92	X	-2.976	-2.976	0	%100
74	M92	Z	1.718	1.718	0	%100
75	M70A	X	-.442	-.442	0	%100
76	M70A	Z	.255	.255	0	%100
77	M71B	X	-.442	-.442	0	%100
78	M71B	Z	.255	.255	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[ft,%]	End Location[ft,%]
79	M72B	X	-1.766	-1.766	0	%100
80	M72B	Z	1.02	1.02	0	%100
81	MP4A	X	-1.766	-1.766	0	%100
82	MP4A	Z	1.02	1.02	0	%100
83	MP3A	X	-1.766	-1.766	0	%100
84	MP3A	Z	1.02	1.02	0	%100
85	MP2A	X	-1.766	-1.766	0	%100
86	MP2A	Z	1.02	1.02	0	%100
87	MP1A	X	-1.766	-1.766	0	%100
88	MP1A	Z	1.02	1.02	0	%100
89	MP4C	X	-1.766	-1.766	0	%100
90	MP4C	Z	1.02	1.02	0	%100
91	MP3C	X	-1.766	-1.766	0	%100
92	MP3C	Z	1.02	1.02	0	%100
93	MP2C	X	-1.766	-1.766	0	%100
94	MP2C	Z	1.02	1.02	0	%100
95	MP1C	X	-1.766	-1.766	0	%100
96	MP1C	Z	1.02	1.02	0	%100
97	MP4B	X	-1.766	-1.766	0	%100
98	MP4B	Z	1.02	1.02	0	%100
99	MP3B	X	-1.766	-1.766	0	%100
100	MP3B	Z	1.02	1.02	0	%100
101	MP2B	X	-1.766	-1.766	0	%100
102	MP2B	Z	1.02	1.02	0	%100
103	MP1B	X	-1.766	-1.766	0	%100
104	MP1B	Z	1.02	1.02	0	%100
105	O1	X	-1.473	-1.473	0	%100
106	O1	Z	.85	.85	0	%100
107	M113	X	-1.659	-1.659	0	%100
108	M113	Z	.958	.958	0	%100
109	M116	X	-.415	-.415	0	%100
110	M116	Z	.239	.239	0	%100
111	M119A	X	-.415	-.415	0	%100
112	M119A	Z	.239	.239	0	%100
113	M118A	X	0	0	0	%100
114	M118A	Z	0	0	0	%100
115	M119B	X	-1.683	-1.683	0	%100
116	M119B	Z	.972	.972	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[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	-1.913	-1.913	0	%100
4	M32	Z	0	0	0	%100
5	M33A	X	-1.913	-1.913	0	%100
6	M33A	Z	0	0	0	%100
7	M41A	X	-1.685	-1.685	0	%100
8	M41A	Z	0	0	0	%100
9	M42_1	X	-1.685	-1.685	0	%100
10	M42_1	Z	0	0	0	%100
11	M43A_1	X	-2.513	-2.513	0	%100
12	M43A_1	Z	0	0	0	%100
13	M46A	X	-1.799	-1.799	0	%100
14	M46A	Z	0	0	0	%100
15	M47	X	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[ft,%]	End Location[ft,%]
16	M47	Z	0	0	0	%100
17	M64	X	-.825	-.825	0	%100
18	M64	Z	0	0	0	%100
19	M65	X	0	0	0	%100
20	M65	Z	0	0	0	%100
21	M71	X	0	0	0	%100
22	M71	Z	0	0	0	%100
23	M86	X	-.825	-.825	0	%100
24	M86	Z	0	0	0	%100
25	M87	X	-2.502	-2.502	0	%100
26	M87	Z	0	0	0	%100
27	M90	X	-2.577	-2.577	0	%100
28	M90	Z	0	0	0	%100
29	M51A	X	-1.685	-1.685	0	%100
30	M51A	Z	0	0	0	%100
31	M52	X	-1.685	-1.685	0	%100
32	M52	Z	0	0	0	%100
33	M53A	X	-2.513	-2.513	0	%100
34	M53A	Z	0	0	0	%100
35	M56	X	0	0	0	%100
36	M56	Z	0	0	0	%100
37	M57	X	-1.8	-1.8	0	%100
38	M57	Z	0	0	0	%100
39	M62	X	-.825	-.825	0	%100
40	M62	Z	0	0	0	%100
41	M63	X	-2.502	-2.502	0	%100
42	M63	Z	0	0	0	%100
43	M65A	X	-2.577	-2.577	0	%100
44	M65A	Z	0	0	0	%100
45	M67	X	-.825	-.825	0	%100
46	M67	Z	0	0	0	%100
47	M68A	X	0	0	0	%100
48	M68A	Z	0	0	0	%100
49	M70	X	0	0	0	%100
50	M70	Z	0	0	0	%100
51	M72A	X	-2.592	-2.592	0	%100
52	M72A	Z	0	0	0	%100
53	M73	X	0	0	0	%100
54	M73	Z	0	0	0	%100
55	M74	X	0	0	0	%100
56	M74	Z	0	0	0	%100
57	M75	X	0	0	0	%100
58	M75	Z	0	0	0	%100
59	M78	X	-1.799	-1.799	0	%100
60	M78	Z	0	0	0	%100
61	M79	X	-1.8	-1.8	0	%100
62	M79	Z	0	0	0	%100
63	M84	X	-3.302	-3.302	0	%100
64	M84	Z	0	0	0	%100
65	M85	X	-2.502	-2.502	0	%100
66	M85	Z	0	0	0	%100
67	M87A	X	-2.577	-2.577	0	%100
68	M87A	Z	0	0	0	%100
69	M89A	X	-3.302	-3.302	0	%100
70	M89A	Z	0	0	0	%100
71	M90A	X	-2.502	-2.502	0	%100
72	M90A	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[ft,%]	End Location[ft,%]
73	M92	X	-2.577	-2.577	0	%100
74	M92	Z	0	0	0	%100
75	M70A	X	0	0	0	%100
76	M70A	Z	0	0	0	%100
77	M71B	X	-1.529	-1.529	0	%100
78	M71B	Z	0	0	0	%100
79	M72B	X	-1.529	-1.529	0	%100
80	M72B	Z	0	0	0	%100
81	MP4A	X	-2.039	-2.039	0	%100
82	MP4A	Z	0	0	0	%100
83	MP3A	X	-2.039	-2.039	0	%100
84	MP3A	Z	0	0	0	%100
85	MP2A	X	-2.039	-2.039	0	%100
86	MP2A	Z	0	0	0	%100
87	MP1A	X	-2.039	-2.039	0	%100
88	MP1A	Z	0	0	0	%100
89	MP4C	X	-2.039	-2.039	0	%100
90	MP4C	Z	0	0	0	%100
91	MP3C	X	-2.039	-2.039	0	%100
92	MP3C	Z	0	0	0	%100
93	MP2C	X	-2.039	-2.039	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	-2.039	-2.039	0	%100
96	MP1C	Z	0	0	0	%100
97	MP4B	X	-2.039	-2.039	0	%100
98	MP4B	Z	0	0	0	%100
99	MP3B	X	-2.039	-2.039	0	%100
100	MP3B	Z	0	0	0	%100
101	MP2B	X	-2.039	-2.039	0	%100
102	MP2B	Z	0	0	0	%100
103	MP1B	X	-2.039	-2.039	0	%100
104	MP1B	Z	0	0	0	%100
105	O1	X	-1.701	-1.701	0	%100
106	O1	Z	0	0	0	%100
107	M113	X	-1.436	-1.436	0	%100
108	M113	Z	0	0	0	%100
109	M116	X	-1.436	-1.436	0	%100
110	M116	Z	0	0	0	%100
111	M119A	X	0	0	0	%100
112	M119A	Z	0	0	0	%100
113	M118A	X	-.648	-.648	0	%100
114	M118A	Z	0	0	0	%100
115	M119B	X	-.648	-.648	0	%100
116	M119B	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[ft,%]	End Location[ft,%]
1	M20	X	-.552	-.552	0	%100
2	M20	Z	-.319	-.319	0	%100
3	M32	X	-.552	-.552	0	%100
4	M32	Z	-.319	-.319	0	%100
5	M33A	X	-2.209	-2.209	0	%100
6	M33A	Z	-1.275	-1.275	0	%100
7	M41A	X	-.486	-.486	0	%100
8	M41A	Z	-.281	-.281	0	%100
9	M42_1	X	-.486	-.486	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[ft,%]	End Location[ft,%]
10	M42_1	Z	-.281	-.281	0	%100
11	M43A_1	X	-.725	-.725	0	%100
12	M43A_1	Z	-.419	-.419	0	%100
13	M46A	X	-2.078	-2.078	0	%100
14	M46A	Z	-1.2	-1.2	0	%100
15	M47	X	-.52	-.52	0	%100
16	M47	Z	-.3	-.3	0	%100
17	M64	X	-2.145	-2.145	0	%100
18	M64	Z	-1.238	-1.238	0	%100
19	M65	X	-.722	-.722	0	%100
20	M65	Z	-.417	-.417	0	%100
21	M71	X	-.744	-.744	0	%100
22	M71	Z	-.43	-.43	0	%100
23	M86	X	-2.145	-2.145	0	%100
24	M86	Z	-1.238	-1.238	0	%100
25	M87	X	-2.889	-2.889	0	%100
26	M87	Z	-1.668	-1.668	0	%100
27	M90	X	-2.976	-2.976	0	%100
28	M90	Z	-1.718	-1.718	0	%100
29	M51A	X	-1.946	-1.946	0	%100
30	M51A	Z	-1.123	-1.123	0	%100
31	M52	X	-1.946	-1.946	0	%100
32	M52	Z	-1.123	-1.123	0	%100
33	M53A	X	-2.902	-2.902	0	%100
34	M53A	Z	-1.675	-1.675	0	%100
35	M56	X	-.519	-.519	0	%100
36	M56	Z	-.3	-.3	0	%100
37	M57	X	-.52	-.52	0	%100
38	M57	Z	-.3	-.3	0	%100
39	M62	X	0	0	0	%100
40	M62	Z	0	0	0	%100
41	M63	X	-.722	-.722	0	%100
42	M63	Z	-.417	-.417	0	%100
43	M65A	X	-.744	-.744	0	%100
44	M65A	Z	-.43	-.43	0	%100
45	M67	X	0	0	0	%100
46	M67	Z	0	0	0	%100
47	M68A	X	-.722	-.722	0	%100
48	M68A	Z	-.417	-.417	0	%100
49	M70	X	-.744	-.744	0	%100
50	M70	Z	-.43	-.43	0	%100
51	M72A	X	-1.683	-1.683	0	%100
52	M72A	Z	-.972	-.972	0	%100
53	M73	X	-.486	-.486	0	%100
54	M73	Z	-.281	-.281	0	%100
55	M74	X	-.486	-.486	0	%100
56	M74	Z	-.281	-.281	0	%100
57	M75	X	-.725	-.725	0	%100
58	M75	Z	-.419	-.419	0	%100
59	M78	X	-.519	-.519	0	%100
60	M78	Z	-.3	-.3	0	%100
61	M79	X	-2.078	-2.078	0	%100
62	M79	Z	-1.2	-1.2	0	%100
63	M84	X	-2.145	-2.145	0	%100
64	M84	Z	-1.238	-1.238	0	%100
65	M85	X	-2.889	-2.889	0	%100
66	M85	Z	-1.668	-1.668	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[ft,%]	End Location[ft,%]
67	M87A	X	-2.976	-2.976	0	%100
68	M87A	Z	-1.718	-1.718	0	%100
69	M89A	X	-2.145	-2.145	0	%100
70	M89A	Z	-1.238	-1.238	0	%100
71	M90A	X	-.722	-.722	0	%100
72	M90A	Z	-.417	-.417	0	%100
73	M92	X	-.744	-.744	0	%100
74	M92	Z	-.43	-.43	0	%100
75	M70A	X	-.442	-.442	0	%100
76	M70A	Z	-.255	-.255	0	%100
77	M71B	X	-1.766	-1.766	0	%100
78	M71B	Z	-1.02	-1.02	0	%100
79	M72B	X	-.442	-.442	0	%100
80	M72B	Z	-.255	-.255	0	%100
81	MP4A	X	-1.766	-1.766	0	%100
82	MP4A	Z	-1.02	-1.02	0	%100
83	MP3A	X	-1.766	-1.766	0	%100
84	MP3A	Z	-1.02	-1.02	0	%100
85	MP2A	X	-1.766	-1.766	0	%100
86	MP2A	Z	-1.02	-1.02	0	%100
87	MP1A	X	-1.766	-1.766	0	%100
88	MP1A	Z	-1.02	-1.02	0	%100
89	MP4C	X	-1.766	-1.766	0	%100
90	MP4C	Z	-1.02	-1.02	0	%100
91	MP3C	X	-1.766	-1.766	0	%100
92	MP3C	Z	-1.02	-1.02	0	%100
93	MP2C	X	-1.766	-1.766	0	%100
94	MP2C	Z	-1.02	-1.02	0	%100
95	MP1C	X	-1.766	-1.766	0	%100
96	MP1C	Z	-1.02	-1.02	0	%100
97	MP4B	X	-1.766	-1.766	0	%100
98	MP4B	Z	-1.02	-1.02	0	%100
99	MP3B	X	-1.766	-1.766	0	%100
100	MP3B	Z	-1.02	-1.02	0	%100
101	MP2B	X	-1.766	-1.766	0	%100
102	MP2B	Z	-1.02	-1.02	0	%100
103	MP1B	X	-1.766	-1.766	0	%100
104	MP1B	Z	-1.02	-1.02	0	%100
105	O1	X	-1.473	-1.473	0	%100
106	O1	Z	-.85	-.85	0	%100
107	M113	X	-.415	-.415	0	%100
108	M113	Z	-.239	-.239	0	%100
109	M116	X	-1.659	-1.659	0	%100
110	M116	Z	-.958	-.958	0	%100
111	M119A	X	-.415	-.415	0	%100
112	M119A	Z	-.239	-.239	0	%100
113	M118A	X	-1.683	-1.683	0	%100
114	M118A	Z	-.972	-.972	0	%100
115	M119B	X	0	0	0	%100
116	M119B	Z	0	0	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[ft,%]	End Location[ft,%]
1	M20	X	-.956	-.956	0	%100
2	M20	Z	-1.656	-1.656	0	%100
3	M32	X	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[ft,%]	End Location[ft,%]
4	M32	Z	0	0	0	%100
5	M33A	X	-.956	-.956	0	%100
6	M33A	Z	-1.656	-1.656	0	%100
7	M41A	X	0	0	0	%100
8	M41A	Z	0	0	0	%100
9	M42_1	X	0	0	0	%100
10	M42_1	Z	0	0	0	%100
11	M43A_1	X	0	0	0	%100
12	M43A_1	Z	0	0	0	%100
13	M46A	X	-.9	-.9	0	%100
14	M46A	Z	-1.558	-1.558	0	%100
15	M47	X	-.9	-.9	0	%100
16	M47	Z	-1.559	-1.559	0	%100
17	M64	X	-1.651	-1.651	0	%100
18	M64	Z	-2.859	-2.859	0	%100
19	M65	X	-1.251	-1.251	0	%100
20	M65	Z	-2.166	-2.166	0	%100
21	M71	X	-1.289	-1.289	0	%100
22	M71	Z	-2.232	-2.232	0	%100
23	M86	X	-1.651	-1.651	0	%100
24	M86	Z	-2.859	-2.859	0	%100
25	M87	X	-1.251	-1.251	0	%100
26	M87	Z	-2.166	-2.166	0	%100
27	M90	X	-1.289	-1.289	0	%100
28	M90	Z	-2.232	-2.232	0	%100
29	M51A	X	-.842	-.842	0	%100
30	M51A	Z	-1.459	-1.459	0	%100
31	M52	X	-.842	-.842	0	%100
32	M52	Z	-1.459	-1.459	0	%100
33	M53A	X	-1.257	-1.257	0	%100
34	M53A	Z	-2.176	-2.176	0	%100
35	M56	X	-.9	-.9	0	%100
36	M56	Z	-1.558	-1.558	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	0	0	0	%100
39	M62	X	-.413	-.413	0	%100
40	M62	Z	-.715	-.715	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	0	0	0	%100
43	M65A	X	0	0	0	%100
44	M65A	Z	0	0	0	%100
45	M67	X	-.413	-.413	0	%100
46	M67	Z	-.715	-.715	0	%100
47	M68A	X	-1.251	-1.251	0	%100
48	M68A	Z	-2.166	-2.166	0	%100
49	M70	X	-1.289	-1.289	0	%100
50	M70	Z	-2.232	-2.232	0	%100
51	M72A	X	-.324	-.324	0	%100
52	M72A	Z	-.561	-.561	0	%100
53	M73	X	-.842	-.842	0	%100
54	M73	Z	-1.459	-1.459	0	%100
55	M74	X	-.842	-.842	0	%100
56	M74	Z	-1.459	-1.459	0	%100
57	M75	X	-1.257	-1.257	0	%100
58	M75	Z	-2.176	-2.176	0	%100
59	M78	X	0	0	0	%100
60	M78	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[ft,%]	End Location[ft,%]
61	M79	X	-.9	-.9	0	%100
62	M79	Z	-1.559	-1.559	0	%100
63	M84	X	-.413	-.413	0	%100
64	M84	Z	-.715	-.715	0	%100
65	M85	X	-1.251	-1.251	0	%100
66	M85	Z	-2.166	-2.166	0	%100
67	M87A	X	-1.289	-1.289	0	%100
68	M87A	Z	-2.232	-2.232	0	%100
69	M89A	X	-.413	-.413	0	%100
70	M89A	Z	-.715	-.715	0	%100
71	M90A	X	0	0	0	%100
72	M90A	Z	0	0	0	%100
73	M92	X	0	0	0	%100
74	M92	Z	0	0	0	%100
75	M70A	X	-.765	-.765	0	%100
76	M70A	Z	-1.325	-1.325	0	%100
77	M71B	X	-.765	-.765	0	%100
78	M71B	Z	-1.325	-1.325	0	%100
79	M72B	X	0	0	0	%100
80	M72B	Z	0	0	0	%100
81	MP4A	X	-1.02	-1.02	0	%100
82	MP4A	Z	-1.766	-1.766	0	%100
83	MP3A	X	-1.02	-1.02	0	%100
84	MP3A	Z	-1.766	-1.766	0	%100
85	MP2A	X	-1.02	-1.02	0	%100
86	MP2A	Z	-1.766	-1.766	0	%100
87	MP1A	X	-1.02	-1.02	0	%100
88	MP1A	Z	-1.766	-1.766	0	%100
89	MP4C	X	-1.02	-1.02	0	%100
90	MP4C	Z	-1.766	-1.766	0	%100
91	MP3C	X	-1.02	-1.02	0	%100
92	MP3C	Z	-1.766	-1.766	0	%100
93	MP2C	X	-1.02	-1.02	0	%100
94	MP2C	Z	-1.766	-1.766	0	%100
95	MP1C	X	-1.02	-1.02	0	%100
96	MP1C	Z	-1.766	-1.766	0	%100
97	MP4B	X	-1.02	-1.02	0	%100
98	MP4B	Z	-1.766	-1.766	0	%100
99	MP3B	X	-1.02	-1.02	0	%100
100	MP3B	Z	-1.766	-1.766	0	%100
101	MP2B	X	-1.02	-1.02	0	%100
102	MP2B	Z	-1.766	-1.766	0	%100
103	MP1B	X	-1.02	-1.02	0	%100
104	MP1B	Z	-1.766	-1.766	0	%100
105	O1	X	-.85	-.85	0	%100
106	O1	Z	-1.473	-1.473	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	0	0	0	%100
109	M116	X	-.718	-.718	0	%100
110	M116	Z	-1.244	-1.244	0	%100
111	M119A	X	-.718	-.718	0	%100
112	M119A	Z	-1.244	-1.244	0	%100
113	M118A	X	-1.296	-1.296	0	%100
114	M118A	Z	-2.244	-2.244	0	%100
115	M119B	X	-.324	-.324	0	%100
116	M119B	Z	-.561	-.561	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[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	-.572	-.572	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	-.143	-.143	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	-.143	-.143	0	%100
7	M41A	X	0	0	0	%100
8	M41A	Z	-.134	-.134	0	%100
9	M42_1	X	0	0	0	%100
10	M42_1	Z	-.134	-.134	0	%100
11	M43A_1	X	0	0	0	%100
12	M43A_1	Z	-.245	-.245	0	%100
13	M46A	X	0	0	0	%100
14	M46A	Z	-.133	-.133	0	%100
15	M47	X	0	0	0	%100
16	M47	Z	-.534	-.534	0	%100
17	M64	X	0	0	0	%100
18	M64	Z	-.74	-.74	0	%100
19	M65	X	0	0	0	%100
20	M65	Z	-.999	-.999	0	%100
21	M71	X	0	0	0	%100
22	M71	Z	-1.035	-1.035	0	%100
23	M86	X	0	0	0	%100
24	M86	Z	-.74	-.74	0	%100
25	M87	X	0	0	0	%100
26	M87	Z	-.25	-.25	0	%100
27	M90	X	0	0	0	%100
28	M90	Z	-.259	-.259	0	%100
29	M51A	X	0	0	0	%100
30	M51A	Z	-.134	-.134	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	-.134	-.134	0	%100
33	M53A	X	0	0	0	%100
34	M53A	Z	-.245	-.245	0	%100
35	M56	X	0	0	0	%100
36	M56	Z	-.534	-.534	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	-.134	-.134	0	%100
39	M62	X	0	0	0	%100
40	M62	Z	-.74	-.74	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	-.25	-.25	0	%100
43	M65A	X	0	0	0	%100
44	M65A	Z	-.259	-.259	0	%100
45	M67	X	0	0	0	%100
46	M67	Z	-.74	-.74	0	%100
47	M68A	X	0	0	0	%100
48	M68A	Z	-.999	-.999	0	%100
49	M70	X	0	0	0	%100
50	M70	Z	-1.035	-1.035	0	%100
51	M72A	X	0	0	0	%100
52	M72A	Z	0	0	0	%100
53	M73	X	0	0	0	%100
54	M73	Z	-.536	-.536	0	%100
55	M74	X	0	0	0	%100
56	M74	Z	-.536	-.536	0	%100
57	M75	X	0	0	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[ft,%]	End Location[ft,%]
58	M75	Z	-.981	-.981	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	-.133	-.133	0	%100
61	M79	X	0	0	0	%100
62	M79	Z	-.134	-.134	0	%100
63	M84	X	0	0	0	%100
64	M84	Z	0	0	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	-.25	-.25	0	%100
67	M87A	X	0	0	0	%100
68	M87A	Z	-.259	-.259	0	%100
69	M89A	X	0	0	0	%100
70	M89A	Z	0	0	0	%100
71	M90A	X	0	0	0	%100
72	M90A	Z	-.25	-.25	0	%100
73	M92	X	0	0	0	%100
74	M92	Z	-.259	-.259	0	%100
75	M70A	X	0	0	0	%100
76	M70A	Z	-.388	-.388	0	%100
77	M71B	X	0	0	0	%100
78	M71B	Z	-.097	-.097	0	%100
79	M72B	X	0	0	0	%100
80	M72B	Z	-.097	-.097	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-.388	-.388	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-.388	-.388	0	%100
85	MP2A	X	0	0	0	%100
86	MP2A	Z	-.388	-.388	0	%100
87	MP1A	X	0	0	0	%100
88	MP1A	Z	-.388	-.388	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-.388	-.388	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-.388	-.388	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-.388	-.388	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	-.388	-.388	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-.388	-.388	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-.388	-.388	0	%100
101	MP2B	X	0	0	0	%100
102	MP2B	Z	-.388	-.388	0	%100
103	MP1B	X	0	0	0	%100
104	MP1B	Z	-.388	-.388	0	%100
105	O1	X	0	0	0	%100
106	O1	Z	-.317	-.317	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	-.115	-.115	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	-.115	-.115	0	%100
111	M119A	X	0	0	0	%100
112	M119A	Z	-.459	-.459	0	%100
113	M118A	X	0	0	0	%100
114	M118A	Z	-.44	-.44	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[ft,%]	End Location[ft,%]
115	M119B	X	0	0	0	%100
116	M119B	Z	-.44	-.44	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[ft,%]	End Location[ft,%]
1	M20	X	.215	.215	0	%100
2	M20	Z	-.372	-.372	0	%100
3	M32	X	.215	.215	0	%100
4	M32	Z	-.372	-.372	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	0	0	0	%100
7	M41A	X	.201	.201	0	%100
8	M41A	Z	-.348	-.348	0	%100
9	M42_1	X	.201	.201	0	%100
10	M42_1	Z	-.348	-.348	0	%100
11	M43A_1	X	.368	.368	0	%100
12	M43A_1	Z	-.637	-.637	0	%100
13	M46A	X	0	0	0	%100
14	M46A	Z	0	0	0	%100
15	M47	X	.2	.2	0	%100
16	M47	Z	-.347	-.347	0	%100
17	M64	X	.123	.123	0	%100
18	M64	Z	-.214	-.214	0	%100
19	M65	X	.375	.375	0	%100
20	M65	Z	-.649	-.649	0	%100
21	M71	X	.388	.388	0	%100
22	M71	Z	-.672	-.672	0	%100
23	M86	X	.123	.123	0	%100
24	M86	Z	-.214	-.214	0	%100
25	M87	X	0	0	0	%100
26	M87	Z	0	0	0	%100
27	M90	X	0	0	0	%100
28	M90	Z	0	0	0	%100
29	M51A	X	0	0	0	%100
30	M51A	Z	0	0	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	0	0	0	%100
33	M53A	X	0	0	0	%100
34	M53A	Z	0	0	0	%100
35	M56	X	.2	.2	0	%100
36	M56	Z	-.347	-.347	0	%100
37	M57	X	.2	.2	0	%100
38	M57	Z	-.347	-.347	0	%100
39	M62	X	.493	.493	0	%100
40	M62	Z	-.855	-.855	0	%100
41	M63	X	.375	.375	0	%100
42	M63	Z	-.649	-.649	0	%100
43	M65A	X	.388	.388	0	%100
44	M65A	Z	-.672	-.672	0	%100
45	M67	X	.493	.493	0	%100
46	M67	Z	-.855	-.855	0	%100
47	M68A	X	.375	.375	0	%100
48	M68A	Z	-.649	-.649	0	%100
49	M70	X	.388	.388	0	%100
50	M70	Z	-.672	-.672	0	%100
51	M72A	X	.073	.073	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[ft,%]	End Location[ft,%]
52	M72A	Z	-.127	-.127	0	%100
53	M73	X	.201	.201	0	%100
54	M73	Z	-.348	-.348	0	%100
55	M74	X	.201	.201	0	%100
56	M74	Z	-.348	-.348	0	%100
57	M75	X	.368	.368	0	%100
58	M75	Z	-.637	-.637	0	%100
59	M78	X	.2	.2	0	%100
60	M78	Z	-.347	-.347	0	%100
61	M79	X	0	0	0	%100
62	M79	Z	0	0	0	%100
63	M84	X	.123	.123	0	%100
64	M84	Z	-.214	-.214	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	0	0	0	%100
67	M87A	X	0	0	0	%100
68	M87A	Z	0	0	0	%100
69	M89A	X	.123	.123	0	%100
70	M89A	Z	-.214	-.214	0	%100
71	M90A	X	.375	.375	0	%100
72	M90A	Z	-.649	-.649	0	%100
73	M92	X	.388	.388	0	%100
74	M92	Z	-.672	-.672	0	%100
75	M70A	X	.146	.146	0	%100
76	M70A	Z	-.252	-.252	0	%100
77	M71B	X	0	0	0	%100
78	M71B	Z	0	0	0	%100
79	M72B	X	.146	.146	0	%100
80	M72B	Z	-.252	-.252	0	%100
81	MP4A	X	.194	.194	0	%100
82	MP4A	Z	-.336	-.336	0	%100
83	MP3A	X	.194	.194	0	%100
84	MP3A	Z	-.336	-.336	0	%100
85	MP2A	X	.194	.194	0	%100
86	MP2A	Z	-.336	-.336	0	%100
87	MP1A	X	.194	.194	0	%100
88	MP1A	Z	-.336	-.336	0	%100
89	MP4C	X	.194	.194	0	%100
90	MP4C	Z	-.336	-.336	0	%100
91	MP3C	X	.194	.194	0	%100
92	MP3C	Z	-.336	-.336	0	%100
93	MP2C	X	.194	.194	0	%100
94	MP2C	Z	-.336	-.336	0	%100
95	MP1C	X	.194	.194	0	%100
96	MP1C	Z	-.336	-.336	0	%100
97	MP4B	X	.194	.194	0	%100
98	MP4B	Z	-.336	-.336	0	%100
99	MP3B	X	.194	.194	0	%100
100	MP3B	Z	-.336	-.336	0	%100
101	MP2B	X	.194	.194	0	%100
102	MP2B	Z	-.336	-.336	0	%100
103	MP1B	X	.194	.194	0	%100
104	MP1B	Z	-.336	-.336	0	%100
105	O1	X	.159	.159	0	%100
106	O1	Z	-.275	-.275	0	%100
107	M113	X	.172	.172	0	%100
108	M113	Z	-.298	-.298	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[ft,%]	End Location[ft,%]
109	M116	X	0	0	0	%100
110	M116	Z	0	0	0	%100
111	M119A	X	.172	.172	0	%100
112	M119A	Z	-.298	-.298	0	%100
113	M118A	X	.073	.073	0	%100
114	M118A	Z	-.127	-.127	0	%100
115	M119B	X	.294	.294	0	%100
116	M119B	Z	-.508	-.508	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[ft,%]	End Location[ft,%]
1	M20	X	.124	.124	0	%100
2	M20	Z	-.072	-.072	0	%100
3	M32	X	.495	.495	0	%100
4	M32	Z	-.286	-.286	0	%100
5	M33A	X	.124	.124	0	%100
6	M33A	Z	-.072	-.072	0	%100
7	M41A	X	.464	.464	0	%100
8	M41A	Z	-.268	-.268	0	%100
9	M42_1	X	.464	.464	0	%100
10	M42_1	Z	-.268	-.268	0	%100
11	M43A_1	X	.849	.849	0	%100
12	M43A_1	Z	-.49	-.49	0	%100
13	M46A	X	.116	.116	0	%100
14	M46A	Z	-.067	-.067	0	%100
15	M47	X	.116	.116	0	%100
16	M47	Z	-.067	-.067	0	%100
17	M64	X	0	0	0	%100
18	M64	Z	0	0	0	%100
19	M65	X	.216	.216	0	%100
20	M65	Z	-.125	-.125	0	%100
21	M71	X	.224	.224	0	%100
22	M71	Z	-.129	-.129	0	%100
23	M86	X	0	0	0	%100
24	M86	Z	0	0	0	%100
25	M87	X	.216	.216	0	%100
26	M87	Z	-.125	-.125	0	%100
27	M90	X	.224	.224	0	%100
28	M90	Z	-.129	-.129	0	%100
29	M51A	X	.116	.116	0	%100
30	M51A	Z	-.067	-.067	0	%100
31	M52	X	.116	.116	0	%100
32	M52	Z	-.067	-.067	0	%100
33	M53A	X	.212	.212	0	%100
34	M53A	Z	-.123	-.123	0	%100
35	M56	X	.116	.116	0	%100
36	M56	Z	-.067	-.067	0	%100
37	M57	X	.462	.462	0	%100
38	M57	Z	-.267	-.267	0	%100
39	M62	X	.641	.641	0	%100
40	M62	Z	-.37	-.37	0	%100
41	M63	X	.865	.865	0	%100
42	M63	Z	-.499	-.499	0	%100
43	M65A	X	.897	.897	0	%100
44	M65A	Z	-.518	-.518	0	%100
45	M67	X	.641	.641	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[ft,%]	End Location[ft,%]
46	M67	Z	-.37	-.37	0	%100
47	M68A	X	.216	.216	0	%100
48	M68A	Z	-.125	-.125	0	%100
49	M70	X	.224	.224	0	%100
50	M70	Z	-.129	-.129	0	%100
51	M72A	X	.381	.381	0	%100
52	M72A	Z	-.22	-.22	0	%100
53	M73	X	.116	.116	0	%100
54	M73	Z	-.067	-.067	0	%100
55	M74	X	.116	.116	0	%100
56	M74	Z	-.067	-.067	0	%100
57	M75	X	.212	.212	0	%100
58	M75	Z	-.123	-.123	0	%100
59	M78	X	.462	.462	0	%100
60	M78	Z	-.267	-.267	0	%100
61	M79	X	.116	.116	0	%100
62	M79	Z	-.067	-.067	0	%100
63	M84	X	.641	.641	0	%100
64	M84	Z	-.37	-.37	0	%100
65	M85	X	.216	.216	0	%100
66	M85	Z	-.125	-.125	0	%100
67	M87A	X	.224	.224	0	%100
68	M87A	Z	-.129	-.129	0	%100
69	M89A	X	.641	.641	0	%100
70	M89A	Z	-.37	-.37	0	%100
71	M90A	X	.865	.865	0	%100
72	M90A	Z	-.499	-.499	0	%100
73	M92	X	.897	.897	0	%100
74	M92	Z	-.518	-.518	0	%100
75	M70A	X	.084	.084	0	%100
76	M70A	Z	-.049	-.049	0	%100
77	M71B	X	.084	.084	0	%100
78	M71B	Z	-.049	-.049	0	%100
79	M72B	X	.336	.336	0	%100
80	M72B	Z	-.194	-.194	0	%100
81	MP4A	X	.336	.336	0	%100
82	MP4A	Z	-.194	-.194	0	%100
83	MP3A	X	.336	.336	0	%100
84	MP3A	Z	-.194	-.194	0	%100
85	MP2A	X	.336	.336	0	%100
86	MP2A	Z	-.194	-.194	0	%100
87	MP1A	X	.336	.336	0	%100
88	MP1A	Z	-.194	-.194	0	%100
89	MP4C	X	.336	.336	0	%100
90	MP4C	Z	-.194	-.194	0	%100
91	MP3C	X	.336	.336	0	%100
92	MP3C	Z	-.194	-.194	0	%100
93	MP2C	X	.336	.336	0	%100
94	MP2C	Z	-.194	-.194	0	%100
95	MP1C	X	.336	.336	0	%100
96	MP1C	Z	-.194	-.194	0	%100
97	MP4B	X	.336	.336	0	%100
98	MP4B	Z	-.194	-.194	0	%100
99	MP3B	X	.336	.336	0	%100
100	MP3B	Z	-.194	-.194	0	%100
101	MP2B	X	.336	.336	0	%100
102	MP2B	Z	-.194	-.194	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[ft,%]	End Location[ft,%]
103	MP1B	X	.336	.336	0	%100
104	MP1B	Z	-.194	-.194	0	%100
105	O1	X	.275	.275	0	%100
106	O1	Z	-.159	-.159	0	%100
107	M113	X	.398	.398	0	%100
108	M113	Z	-.23	-.23	0	%100
109	M116	X	.099	.099	0	%100
110	M116	Z	-.057	-.057	0	%100
111	M119A	X	.099	.099	0	%100
112	M119A	Z	-.057	-.057	0	%100
113	M118A	X	0	0	0	%100
114	M118A	Z	0	0	0	%100
115	M119B	X	.381	.381	0	%100
116	M119B	Z	-.22	-.22	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[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	.429	.429	0	%100
4	M32	Z	0	0	0	%100
5	M33A	X	.429	.429	0	%100
6	M33A	Z	0	0	0	%100
7	M41A	X	.402	.402	0	%100
8	M41A	Z	0	0	0	%100
9	M42_1	X	.402	.402	0	%100
10	M42_1	Z	0	0	0	%100
11	M43A_1	X	.736	.736	0	%100
12	M43A_1	Z	0	0	0	%100
13	M46A	X	.4	.4	0	%100
14	M46A	Z	0	0	0	%100
15	M47	X	0	0	0	%100
16	M47	Z	0	0	0	%100
17	M64	X	.247	.247	0	%100
18	M64	Z	0	0	0	%100
19	M65	X	0	0	0	%100
20	M65	Z	0	0	0	%100
21	M71	X	0	0	0	%100
22	M71	Z	0	0	0	%100
23	M86	X	.247	.247	0	%100
24	M86	Z	0	0	0	%100
25	M87	X	.749	.749	0	%100
26	M87	Z	0	0	0	%100
27	M90	X	.776	.776	0	%100
28	M90	Z	0	0	0	%100
29	M51A	X	.402	.402	0	%100
30	M51A	Z	0	0	0	%100
31	M52	X	.402	.402	0	%100
32	M52	Z	0	0	0	%100
33	M53A	X	.736	.736	0	%100
34	M53A	Z	0	0	0	%100
35	M56	X	0	0	0	%100
36	M56	Z	0	0	0	%100
37	M57	X	.401	.401	0	%100
38	M57	Z	0	0	0	%100
39	M62	X	.247	.247	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[ft,%]	End Location[ft,%]
40	M62	Z	0	0	0	%100
41	M63	X	.749	.749	0	%100
42	M63	Z	0	0	0	%100
43	M65A	X	.776	.776	0	%100
44	M65A	Z	0	0	0	%100
45	M67	X	.247	.247	0	%100
46	M67	Z	0	0	0	%100
47	M68A	X	0	0	0	%100
48	M68A	Z	0	0	0	%100
49	M70	X	0	0	0	%100
50	M70	Z	0	0	0	%100
51	M72A	X	.587	.587	0	%100
52	M72A	Z	0	0	0	%100
53	M73	X	0	0	0	%100
54	M73	Z	0	0	0	%100
55	M74	X	0	0	0	%100
56	M74	Z	0	0	0	%100
57	M75	X	0	0	0	%100
58	M75	Z	0	0	0	%100
59	M78	X	.4	.4	0	%100
60	M78	Z	0	0	0	%100
61	M79	X	.401	.401	0	%100
62	M79	Z	0	0	0	%100
63	M84	X	.987	.987	0	%100
64	M84	Z	0	0	0	%100
65	M85	X	.749	.749	0	%100
66	M85	Z	0	0	0	%100
67	M87A	X	.776	.776	0	%100
68	M87A	Z	0	0	0	%100
69	M89A	X	.987	.987	0	%100
70	M89A	Z	0	0	0	%100
71	M90A	X	.749	.749	0	%100
72	M90A	Z	0	0	0	%100
73	M92	X	.776	.776	0	%100
74	M92	Z	0	0	0	%100
75	M70A	X	0	0	0	%100
76	M70A	Z	0	0	0	%100
77	M71B	X	.291	.291	0	%100
78	M71B	Z	0	0	0	%100
79	M72B	X	.291	.291	0	%100
80	M72B	Z	0	0	0	%100
81	MP4A	X	.388	.388	0	%100
82	MP4A	Z	0	0	0	%100
83	MP3A	X	.388	.388	0	%100
84	MP3A	Z	0	0	0	%100
85	MP2A	X	.388	.388	0	%100
86	MP2A	Z	0	0	0	%100
87	MP1A	X	.388	.388	0	%100
88	MP1A	Z	0	0	0	%100
89	MP4C	X	.388	.388	0	%100
90	MP4C	Z	0	0	0	%100
91	MP3C	X	.388	.388	0	%100
92	MP3C	Z	0	0	0	%100
93	MP2C	X	.388	.388	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	.388	.388	0	%100
96	MP1C	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[ft,%]	End Location[ft,%]
97	MP4B	X	.388	.388	0	%100
98	MP4B	Z	0	0	0	%100
99	MP3B	X	.388	.388	0	%100
100	MP3B	Z	0	0	0	%100
101	MP2B	X	.388	.388	0	%100
102	MP2B	Z	0	0	0	%100
103	MP1B	X	.388	.388	0	%100
104	MP1B	Z	0	0	0	%100
105	O1	X	.317	.317	0	%100
106	O1	Z	0	0	0	%100
107	M113	X	.345	.345	0	%100
108	M113	Z	0	0	0	%100
109	M116	X	.345	.345	0	%100
110	M116	Z	0	0	0	%100
111	M119A	X	0	0	0	%100
112	M119A	Z	0	0	0	%100
113	M118A	X	.147	.147	0	%100
114	M118A	Z	0	0	0	%100
115	M119B	X	.147	.147	0	%100
116	M119B	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[ft,%]	End Location[ft,%]
1	M20	X	.124	.124	0	%100
2	M20	Z	.072	.072	0	%100
3	M32	X	.124	.124	0	%100
4	M32	Z	.072	.072	0	%100
5	M33A	X	.495	.495	0	%100
6	M33A	Z	.286	.286	0	%100
7	M41A	X	.116	.116	0	%100
8	M41A	Z	.067	.067	0	%100
9	M42_1	X	.116	.116	0	%100
10	M42_1	Z	.067	.067	0	%100
11	M43A_1	X	.212	.212	0	%100
12	M43A_1	Z	.123	.123	0	%100
13	M46A	X	.462	.462	0	%100
14	M46A	Z	.267	.267	0	%100
15	M47	X	.116	.116	0	%100
16	M47	Z	.067	.067	0	%100
17	M64	X	.641	.641	0	%100
18	M64	Z	.37	.37	0	%100
19	M65	X	.216	.216	0	%100
20	M65	Z	.125	.125	0	%100
21	M71	X	.224	.224	0	%100
22	M71	Z	.129	.129	0	%100
23	M86	X	.641	.641	0	%100
24	M86	Z	.37	.37	0	%100
25	M87	X	.865	.865	0	%100
26	M87	Z	.499	.499	0	%100
27	M90	X	.897	.897	0	%100
28	M90	Z	.518	.518	0	%100
29	M51A	X	.464	.464	0	%100
30	M51A	Z	.268	.268	0	%100
31	M52	X	.464	.464	0	%100
32	M52	Z	.268	.268	0	%100
33	M53A	X	.849	.849	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[ft,%]	End Location[ft,%]
34	M53A	Z	.49	.49	0	%100
35	M56	X	.116	.116	0	%100
36	M56	Z	.067	.067	0	%100
37	M57	X	.116	.116	0	%100
38	M57	Z	.067	.067	0	%100
39	M62	X	0	0	0	%100
40	M62	Z	0	0	0	%100
41	M63	X	.216	.216	0	%100
42	M63	Z	.125	.125	0	%100
43	M65A	X	.224	.224	0	%100
44	M65A	Z	.129	.129	0	%100
45	M67	X	0	0	0	%100
46	M67	Z	0	0	0	%100
47	M68A	X	.216	.216	0	%100
48	M68A	Z	.125	.125	0	%100
49	M70	X	.224	.224	0	%100
50	M70	Z	.129	.129	0	%100
51	M72A	X	.381	.381	0	%100
52	M72A	Z	.22	.22	0	%100
53	M73	X	.116	.116	0	%100
54	M73	Z	.067	.067	0	%100
55	M74	X	.116	.116	0	%100
56	M74	Z	.067	.067	0	%100
57	M75	X	.212	.212	0	%100
58	M75	Z	.123	.123	0	%100
59	M78	X	.116	.116	0	%100
60	M78	Z	.067	.067	0	%100
61	M79	X	.462	.462	0	%100
62	M79	Z	.267	.267	0	%100
63	M84	X	.641	.641	0	%100
64	M84	Z	.37	.37	0	%100
65	M85	X	.865	.865	0	%100
66	M85	Z	.499	.499	0	%100
67	M87A	X	.897	.897	0	%100
68	M87A	Z	.518	.518	0	%100
69	M89A	X	.641	.641	0	%100
70	M89A	Z	.37	.37	0	%100
71	M90A	X	.216	.216	0	%100
72	M90A	Z	.125	.125	0	%100
73	M92	X	.224	.224	0	%100
74	M92	Z	.129	.129	0	%100
75	M70A	X	.084	.084	0	%100
76	M70A	Z	.049	.049	0	%100
77	M71B	X	.336	.336	0	%100
78	M71B	Z	.194	.194	0	%100
79	M72B	X	.084	.084	0	%100
80	M72B	Z	.049	.049	0	%100
81	MP4A	X	.336	.336	0	%100
82	MP4A	Z	.194	.194	0	%100
83	MP3A	X	.336	.336	0	%100
84	MP3A	Z	.194	.194	0	%100
85	MP2A	X	.336	.336	0	%100
86	MP2A	Z	.194	.194	0	%100
87	MP1A	X	.336	.336	0	%100
88	MP1A	Z	.194	.194	0	%100
89	MP4C	X	.336	.336	0	%100
90	MP4C	Z	.194	.194	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[ft,%]	End Location[ft,%]
91	MP3C	X	.336	.336	0	%100
92	MP3C	Z	.194	.194	0	%100
93	MP2C	X	.336	.336	0	%100
94	MP2C	Z	.194	.194	0	%100
95	MP1C	X	.336	.336	0	%100
96	MP1C	Z	.194	.194	0	%100
97	MP4B	X	.336	.336	0	%100
98	MP4B	Z	.194	.194	0	%100
99	MP3B	X	.336	.336	0	%100
100	MP3B	Z	.194	.194	0	%100
101	MP2B	X	.336	.336	0	%100
102	MP2B	Z	.194	.194	0	%100
103	MP1B	X	.336	.336	0	%100
104	MP1B	Z	.194	.194	0	%100
105	O1	X	.275	.275	0	%100
106	O1	Z	.159	.159	0	%100
107	M113	X	.099	.099	0	%100
108	M113	Z	.057	.057	0	%100
109	M116	X	.398	.398	0	%100
110	M116	Z	.23	.23	0	%100
111	M119A	X	.099	.099	0	%100
112	M119A	Z	.057	.057	0	%100
113	M118A	X	.381	.381	0	%100
114	M118A	Z	.22	.22	0	%100
115	M119B	X	0	0	0	%100
116	M119B	Z	0	0	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[ft,%]	End Location[ft,%]
1	M20	X	.215	.215	0	%100
2	M20	Z	.372	.372	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	0	0	0	%100
5	M33A	X	.215	.215	0	%100
6	M33A	Z	.372	.372	0	%100
7	M41A	X	0	0	0	%100
8	M41A	Z	0	0	0	%100
9	M42_1	X	0	0	0	%100
10	M42_1	Z	0	0	0	%100
11	M43A_1	X	0	0	0	%100
12	M43A_1	Z	0	0	0	%100
13	M46A	X	.2	.2	0	%100
14	M46A	Z	.347	.347	0	%100
15	M47	X	.2	.2	0	%100
16	M47	Z	.347	.347	0	%100
17	M64	X	.493	.493	0	%100
18	M64	Z	.855	.855	0	%100
19	M65	X	.375	.375	0	%100
20	M65	Z	.649	.649	0	%100
21	M71	X	.388	.388	0	%100
22	M71	Z	.672	.672	0	%100
23	M86	X	.493	.493	0	%100
24	M86	Z	.855	.855	0	%100
25	M87	X	.375	.375	0	%100
26	M87	Z	.649	.649	0	%100
27	M90	X	.388	.388	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[ft,%]	End Location[ft,%]
28	M90	Z	.672	.672	0	%100
29	M51A	X	.201	.201	0	%100
30	M51A	Z	.348	.348	0	%100
31	M52	X	.201	.201	0	%100
32	M52	Z	.348	.348	0	%100
33	M53A	X	.368	.368	0	%100
34	M53A	Z	.637	.637	0	%100
35	M56	X	.2	.2	0	%100
36	M56	Z	.347	.347	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	0	0	0	%100
39	M62	X	.123	.123	0	%100
40	M62	Z	.214	.214	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	0	0	0	%100
43	M65A	X	0	0	0	%100
44	M65A	Z	0	0	0	%100
45	M67	X	.123	.123	0	%100
46	M67	Z	.214	.214	0	%100
47	M68A	X	.375	.375	0	%100
48	M68A	Z	.649	.649	0	%100
49	M70	X	.388	.388	0	%100
50	M70	Z	.672	.672	0	%100
51	M72A	X	.073	.073	0	%100
52	M72A	Z	.127	.127	0	%100
53	M73	X	.201	.201	0	%100
54	M73	Z	.348	.348	0	%100
55	M74	X	.201	.201	0	%100
56	M74	Z	.348	.348	0	%100
57	M75	X	.368	.368	0	%100
58	M75	Z	.637	.637	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	0	0	0	%100
61	M79	X	.2	.2	0	%100
62	M79	Z	.347	.347	0	%100
63	M84	X	.123	.123	0	%100
64	M84	Z	.214	.214	0	%100
65	M85	X	.375	.375	0	%100
66	M85	Z	.649	.649	0	%100
67	M87A	X	.388	.388	0	%100
68	M87A	Z	.672	.672	0	%100
69	M89A	X	.123	.123	0	%100
70	M89A	Z	.214	.214	0	%100
71	M90A	X	0	0	0	%100
72	M90A	Z	0	0	0	%100
73	M92	X	0	0	0	%100
74	M92	Z	0	0	0	%100
75	M70A	X	.146	.146	0	%100
76	M70A	Z	.252	.252	0	%100
77	M71B	X	.146	.146	0	%100
78	M71B	Z	.252	.252	0	%100
79	M72B	X	0	0	0	%100
80	M72B	Z	0	0	0	%100
81	MP4A	X	.194	.194	0	%100
82	MP4A	Z	.336	.336	0	%100
83	MP3A	X	.194	.194	0	%100
84	MP3A	Z	.336	.336	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[ft,%]	End Location[ft,%]
85	MP2A	X	.194	.194	0	%100
86	MP2A	Z	.336	.336	0	%100
87	MP1A	X	.194	.194	0	%100
88	MP1A	Z	.336	.336	0	%100
89	MP4C	X	.194	.194	0	%100
90	MP4C	Z	.336	.336	0	%100
91	MP3C	X	.194	.194	0	%100
92	MP3C	Z	.336	.336	0	%100
93	MP2C	X	.194	.194	0	%100
94	MP2C	Z	.336	.336	0	%100
95	MP1C	X	.194	.194	0	%100
96	MP1C	Z	.336	.336	0	%100
97	MP4B	X	.194	.194	0	%100
98	MP4B	Z	.336	.336	0	%100
99	MP3B	X	.194	.194	0	%100
100	MP3B	Z	.336	.336	0	%100
101	MP2B	X	.194	.194	0	%100
102	MP2B	Z	.336	.336	0	%100
103	MP1B	X	.194	.194	0	%100
104	MP1B	Z	.336	.336	0	%100
105	O1	X	.159	.159	0	%100
106	O1	Z	.275	.275	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	0	0	0	%100
109	M116	X	.172	.172	0	%100
110	M116	Z	.298	.298	0	%100
111	M119A	X	.172	.172	0	%100
112	M119A	Z	.298	.298	0	%100
113	M118A	X	.294	.294	0	%100
114	M118A	Z	.508	.508	0	%100
115	M119B	X	.073	.073	0	%100
116	M119B	Z	.127	.127	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[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	.572	.572	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	.143	.143	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	.143	.143	0	%100
7	M41A	X	0	0	0	%100
8	M41A	Z	.134	.134	0	%100
9	M42_1	X	0	0	0	%100
10	M42_1	Z	.134	.134	0	%100
11	M43A_1	X	0	0	0	%100
12	M43A_1	Z	.245	.245	0	%100
13	M46A	X	0	0	0	%100
14	M46A	Z	.133	.133	0	%100
15	M47	X	0	0	0	%100
16	M47	Z	.534	.534	0	%100
17	M64	X	0	0	0	%100
18	M64	Z	.74	.74	0	%100
19	M65	X	0	0	0	%100
20	M65	Z	.999	.999	0	%100
21	M71	X	0	0	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[ft,%]	End Location[ft,%]
22	M71	Z	1.035	1.035	0	%100
23	M86	X	0	0	0	%100
24	M86	Z	.74	.74	0	%100
25	M87	X	0	0	0	%100
26	M87	Z	.25	.25	0	%100
27	M90	X	0	0	0	%100
28	M90	Z	.259	.259	0	%100
29	M51A	X	0	0	0	%100
30	M51A	Z	.134	.134	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	.134	.134	0	%100
33	M53A	X	0	0	0	%100
34	M53A	Z	.245	.245	0	%100
35	M56	X	0	0	0	%100
36	M56	Z	.534	.534	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	.134	.134	0	%100
39	M62	X	0	0	0	%100
40	M62	Z	.74	.74	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	.25	.25	0	%100
43	M65A	X	0	0	0	%100
44	M65A	Z	.259	.259	0	%100
45	M67	X	0	0	0	%100
46	M67	Z	.74	.74	0	%100
47	M68A	X	0	0	0	%100
48	M68A	Z	.999	.999	0	%100
49	M70	X	0	0	0	%100
50	M70	Z	1.035	1.035	0	%100
51	M72A	X	0	0	0	%100
52	M72A	Z	0	0	0	%100
53	M73	X	0	0	0	%100
54	M73	Z	.536	.536	0	%100
55	M74	X	0	0	0	%100
56	M74	Z	.536	.536	0	%100
57	M75	X	0	0	0	%100
58	M75	Z	.981	.981	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	.133	.133	0	%100
61	M79	X	0	0	0	%100
62	M79	Z	.134	.134	0	%100
63	M84	X	0	0	0	%100
64	M84	Z	0	0	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	.25	.25	0	%100
67	M87A	X	0	0	0	%100
68	M87A	Z	.259	.259	0	%100
69	M89A	X	0	0	0	%100
70	M89A	Z	0	0	0	%100
71	M90A	X	0	0	0	%100
72	M90A	Z	.25	.25	0	%100
73	M92	X	0	0	0	%100
74	M92	Z	.259	.259	0	%100
75	M70A	X	0	0	0	%100
76	M70A	Z	.388	.388	0	%100
77	M71B	X	0	0	0	%100
78	M71B	Z	.097	.097	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[ft,%]	End Location[ft,%]
79	M72B	X	0	0	0	%100
80	M72B	Z	.097	.097	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	.388	.388	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	.388	.388	0	%100
85	MP2A	X	0	0	0	%100
86	MP2A	Z	.388	.388	0	%100
87	MP1A	X	0	0	0	%100
88	MP1A	Z	.388	.388	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	.388	.388	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	.388	.388	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	.388	.388	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	.388	.388	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	.388	.388	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	.388	.388	0	%100
101	MP2B	X	0	0	0	%100
102	MP2B	Z	.388	.388	0	%100
103	MP1B	X	0	0	0	%100
104	MP1B	Z	.388	.388	0	%100
105	O1	X	0	0	0	%100
106	O1	Z	.317	.317	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	.115	.115	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	.115	.115	0	%100
111	M119A	X	0	0	0	%100
112	M119A	Z	.459	.459	0	%100
113	M118A	X	0	0	0	%100
114	M118A	Z	.44	.44	0	%100
115	M119B	X	0	0	0	%100
116	M119B	Z	.44	.44	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[ft,%]	End Location[ft,%]
1	M20	X	-.215	-.215	0	%100
2	M20	Z	.372	.372	0	%100
3	M32	X	-.215	-.215	0	%100
4	M32	Z	.372	.372	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	0	0	0	%100
7	M41A	X	-.201	-.201	0	%100
8	M41A	Z	.348	.348	0	%100
9	M42_1	X	-.201	-.201	0	%100
10	M42_1	Z	.348	.348	0	%100
11	M43A_1	X	-.368	-.368	0	%100
12	M43A_1	Z	.637	.637	0	%100
13	M46A	X	0	0	0	%100
14	M46A	Z	0	0	0	%100
15	M47	X	-.2	-.2	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[ft,%]	End Location[ft,%]
16	M47	Z	.347	.347	0	%100
17	M64	X	-.123	-.123	0	%100
18	M64	Z	.214	.214	0	%100
19	M65	X	-.375	-.375	0	%100
20	M65	Z	.649	.649	0	%100
21	M71	X	-.388	-.388	0	%100
22	M71	Z	.672	.672	0	%100
23	M86	X	-.123	-.123	0	%100
24	M86	Z	.214	.214	0	%100
25	M87	X	0	0	0	%100
26	M87	Z	0	0	0	%100
27	M90	X	0	0	0	%100
28	M90	Z	0	0	0	%100
29	M51A	X	0	0	0	%100
30	M51A	Z	0	0	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	0	0	0	%100
33	M53A	X	0	0	0	%100
34	M53A	Z	0	0	0	%100
35	M56	X	-.2	-.2	0	%100
36	M56	Z	.347	.347	0	%100
37	M57	X	-.2	-.2	0	%100
38	M57	Z	.347	.347	0	%100
39	M62	X	-.493	-.493	0	%100
40	M62	Z	.855	.855	0	%100
41	M63	X	-.375	-.375	0	%100
42	M63	Z	.649	.649	0	%100
43	M65A	X	-.388	-.388	0	%100
44	M65A	Z	.672	.672	0	%100
45	M67	X	-.493	-.493	0	%100
46	M67	Z	.855	.855	0	%100
47	M68A	X	-.375	-.375	0	%100
48	M68A	Z	.649	.649	0	%100
49	M70	X	-.388	-.388	0	%100
50	M70	Z	.672	.672	0	%100
51	M72A	X	-.073	-.073	0	%100
52	M72A	Z	.127	.127	0	%100
53	M73	X	-.201	-.201	0	%100
54	M73	Z	.348	.348	0	%100
55	M74	X	-.201	-.201	0	%100
56	M74	Z	.348	.348	0	%100
57	M75	X	-.368	-.368	0	%100
58	M75	Z	.637	.637	0	%100
59	M78	X	-.2	-.2	0	%100
60	M78	Z	.347	.347	0	%100
61	M79	X	0	0	0	%100
62	M79	Z	0	0	0	%100
63	M84	X	-.123	-.123	0	%100
64	M84	Z	.214	.214	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	0	0	0	%100
67	M87A	X	0	0	0	%100
68	M87A	Z	0	0	0	%100
69	M89A	X	-.123	-.123	0	%100
70	M89A	Z	.214	.214	0	%100
71	M90A	X	-.375	-.375	0	%100
72	M90A	Z	.649	.649	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[ft,%]	End Location[ft,%]
73	M92	X	-.388	-.388	0	%100
74	M92	Z	.672	.672	0	%100
75	M70A	X	-.146	-.146	0	%100
76	M70A	Z	.252	.252	0	%100
77	M71B	X	0	0	0	%100
78	M71B	Z	0	0	0	%100
79	M72B	X	-.146	-.146	0	%100
80	M72B	Z	.252	.252	0	%100
81	MP4A	X	-.194	-.194	0	%100
82	MP4A	Z	.336	.336	0	%100
83	MP3A	X	-.194	-.194	0	%100
84	MP3A	Z	.336	.336	0	%100
85	MP2A	X	-.194	-.194	0	%100
86	MP2A	Z	.336	.336	0	%100
87	MP1A	X	-.194	-.194	0	%100
88	MP1A	Z	.336	.336	0	%100
89	MP4C	X	-.194	-.194	0	%100
90	MP4C	Z	.336	.336	0	%100
91	MP3C	X	-.194	-.194	0	%100
92	MP3C	Z	.336	.336	0	%100
93	MP2C	X	-.194	-.194	0	%100
94	MP2C	Z	.336	.336	0	%100
95	MP1C	X	-.194	-.194	0	%100
96	MP1C	Z	.336	.336	0	%100
97	MP4B	X	-.194	-.194	0	%100
98	MP4B	Z	.336	.336	0	%100
99	MP3B	X	-.194	-.194	0	%100
100	MP3B	Z	.336	.336	0	%100
101	MP2B	X	-.194	-.194	0	%100
102	MP2B	Z	.336	.336	0	%100
103	MP1B	X	-.194	-.194	0	%100
104	MP1B	Z	.336	.336	0	%100
105	O1	X	-.159	-.159	0	%100
106	O1	Z	.275	.275	0	%100
107	M113	X	-.172	-.172	0	%100
108	M113	Z	.298	.298	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	0	0	0	%100
111	M119A	X	-.172	-.172	0	%100
112	M119A	Z	.298	.298	0	%100
113	M118A	X	-.073	-.073	0	%100
114	M118A	Z	.127	.127	0	%100
115	M119B	X	-.294	-.294	0	%100
116	M119B	Z	.508	.508	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[ft,%]	End Location[ft,%]
1	M20	X	-.124	-.124	0	%100
2	M20	Z	.072	.072	0	%100
3	M32	X	-.495	-.495	0	%100
4	M32	Z	.286	.286	0	%100
5	M33A	X	-.124	-.124	0	%100
6	M33A	Z	.072	.072	0	%100
7	M41A	X	-.464	-.464	0	%100
8	M41A	Z	.268	.268	0	%100
9	M42_1	X	-.464	-.464	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[ft,%]	End Location[ft,%]
10	M42_1	Z	.268	.268	0	%100
11	M43A_1	X	-.849	-.849	0	%100
12	M43A_1	Z	.49	.49	0	%100
13	M46A	X	-.116	-.116	0	%100
14	M46A	Z	.067	.067	0	%100
15	M47	X	-.116	-.116	0	%100
16	M47	Z	.067	.067	0	%100
17	M64	X	0	0	0	%100
18	M64	Z	0	0	0	%100
19	M65	X	-.216	-.216	0	%100
20	M65	Z	.125	.125	0	%100
21	M71	X	-.224	-.224	0	%100
22	M71	Z	.129	.129	0	%100
23	M86	X	0	0	0	%100
24	M86	Z	0	0	0	%100
25	M87	X	-.216	-.216	0	%100
26	M87	Z	.125	.125	0	%100
27	M90	X	-.224	-.224	0	%100
28	M90	Z	.129	.129	0	%100
29	M51A	X	-.116	-.116	0	%100
30	M51A	Z	.067	.067	0	%100
31	M52	X	-.116	-.116	0	%100
32	M52	Z	.067	.067	0	%100
33	M53A	X	-.212	-.212	0	%100
34	M53A	Z	.123	.123	0	%100
35	M56	X	-.116	-.116	0	%100
36	M56	Z	.067	.067	0	%100
37	M57	X	-.462	-.462	0	%100
38	M57	Z	.267	.267	0	%100
39	M62	X	-.641	-.641	0	%100
40	M62	Z	.37	.37	0	%100
41	M63	X	-.865	-.865	0	%100
42	M63	Z	.499	.499	0	%100
43	M65A	X	-.897	-.897	0	%100
44	M65A	Z	.518	.518	0	%100
45	M67	X	-.641	-.641	0	%100
46	M67	Z	.37	.37	0	%100
47	M68A	X	-.216	-.216	0	%100
48	M68A	Z	.125	.125	0	%100
49	M70	X	-.224	-.224	0	%100
50	M70	Z	.129	.129	0	%100
51	M72A	X	-.381	-.381	0	%100
52	M72A	Z	.22	.22	0	%100
53	M73	X	-.116	-.116	0	%100
54	M73	Z	.067	.067	0	%100
55	M74	X	-.116	-.116	0	%100
56	M74	Z	.067	.067	0	%100
57	M75	X	-.212	-.212	0	%100
58	M75	Z	.123	.123	0	%100
59	M78	X	-.462	-.462	0	%100
60	M78	Z	.267	.267	0	%100
61	M79	X	-.116	-.116	0	%100
62	M79	Z	.067	.067	0	%100
63	M84	X	-.641	-.641	0	%100
64	M84	Z	.37	.37	0	%100
65	M85	X	-.216	-.216	0	%100
66	M85	Z	.125	.125	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[ft,%]	End Location[ft,%]
67	M87A	X	-.224	-.224	0	%100
68	M87A	Z	.129	.129	0	%100
69	M89A	X	-.641	-.641	0	%100
70	M89A	Z	.37	.37	0	%100
71	M90A	X	-.865	-.865	0	%100
72	M90A	Z	.499	.499	0	%100
73	M92	X	-.897	-.897	0	%100
74	M92	Z	.518	.518	0	%100
75	M70A	X	-.084	-.084	0	%100
76	M70A	Z	.049	.049	0	%100
77	M71B	X	-.084	-.084	0	%100
78	M71B	Z	.049	.049	0	%100
79	M72B	X	-.336	-.336	0	%100
80	M72B	Z	.194	.194	0	%100
81	MP4A	X	-.336	-.336	0	%100
82	MP4A	Z	.194	.194	0	%100
83	MP3A	X	-.336	-.336	0	%100
84	MP3A	Z	.194	.194	0	%100
85	MP2A	X	-.336	-.336	0	%100
86	MP2A	Z	.194	.194	0	%100
87	MP1A	X	-.336	-.336	0	%100
88	MP1A	Z	.194	.194	0	%100
89	MP4C	X	-.336	-.336	0	%100
90	MP4C	Z	.194	.194	0	%100
91	MP3C	X	-.336	-.336	0	%100
92	MP3C	Z	.194	.194	0	%100
93	MP2C	X	-.336	-.336	0	%100
94	MP2C	Z	.194	.194	0	%100
95	MP1C	X	-.336	-.336	0	%100
96	MP1C	Z	.194	.194	0	%100
97	MP4B	X	-.336	-.336	0	%100
98	MP4B	Z	.194	.194	0	%100
99	MP3B	X	-.336	-.336	0	%100
100	MP3B	Z	.194	.194	0	%100
101	MP2B	X	-.336	-.336	0	%100
102	MP2B	Z	.194	.194	0	%100
103	MP1B	X	-.336	-.336	0	%100
104	MP1B	Z	.194	.194	0	%100
105	O1	X	-.275	-.275	0	%100
106	O1	Z	.159	.159	0	%100
107	M113	X	-.398	-.398	0	%100
108	M113	Z	.23	.23	0	%100
109	M116	X	-.099	-.099	0	%100
110	M116	Z	.057	.057	0	%100
111	M119A	X	-.099	-.099	0	%100
112	M119A	Z	.057	.057	0	%100
113	M118A	X	0	0	0	%100
114	M118A	Z	0	0	0	%100
115	M119B	X	-.381	-.381	0	%100
116	M119B	Z	.22	.22	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[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	-.429	-.429	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[ft,%]	End Location[ft,%]
4	M32	Z	0	0	0	%100
5	M33A	X	-.429	-.429	0	%100
6	M33A	Z	0	0	0	%100
7	M41A	X	-.402	-.402	0	%100
8	M41A	Z	0	0	0	%100
9	M42_1	X	-.402	-.402	0	%100
10	M42_1	Z	0	0	0	%100
11	M43A_1	X	-.736	-.736	0	%100
12	M43A_1	Z	0	0	0	%100
13	M46A	X	-.4	-.4	0	%100
14	M46A	Z	0	0	0	%100
15	M47	X	0	0	0	%100
16	M47	Z	0	0	0	%100
17	M64	X	-.247	-.247	0	%100
18	M64	Z	0	0	0	%100
19	M65	X	0	0	0	%100
20	M65	Z	0	0	0	%100
21	M71	X	0	0	0	%100
22	M71	Z	0	0	0	%100
23	M86	X	-.247	-.247	0	%100
24	M86	Z	0	0	0	%100
25	M87	X	-.749	-.749	0	%100
26	M87	Z	0	0	0	%100
27	M90	X	-.776	-.776	0	%100
28	M90	Z	0	0	0	%100
29	M51A	X	-.402	-.402	0	%100
30	M51A	Z	0	0	0	%100
31	M52	X	-.402	-.402	0	%100
32	M52	Z	0	0	0	%100
33	M53A	X	-.736	-.736	0	%100
34	M53A	Z	0	0	0	%100
35	M56	X	0	0	0	%100
36	M56	Z	0	0	0	%100
37	M57	X	-.401	-.401	0	%100
38	M57	Z	0	0	0	%100
39	M62	X	-.247	-.247	0	%100
40	M62	Z	0	0	0	%100
41	M63	X	-.749	-.749	0	%100
42	M63	Z	0	0	0	%100
43	M65A	X	-.776	-.776	0	%100
44	M65A	Z	0	0	0	%100
45	M67	X	-.247	-.247	0	%100
46	M67	Z	0	0	0	%100
47	M68A	X	0	0	0	%100
48	M68A	Z	0	0	0	%100
49	M70	X	0	0	0	%100
50	M70	Z	0	0	0	%100
51	M72A	X	-.587	-.587	0	%100
52	M72A	Z	0	0	0	%100
53	M73	X	0	0	0	%100
54	M73	Z	0	0	0	%100
55	M74	X	0	0	0	%100
56	M74	Z	0	0	0	%100
57	M75	X	0	0	0	%100
58	M75	Z	0	0	0	%100
59	M78	X	-.4	-.4	0	%100
60	M78	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[ft,%]	End Location[ft,%]
61	M79	X	-.401	-.401	0	%100
62	M79	Z	0	0	0	%100
63	M84	X	-.987	-.987	0	%100
64	M84	Z	0	0	0	%100
65	M85	X	-.749	-.749	0	%100
66	M85	Z	0	0	0	%100
67	M87A	X	-.776	-.776	0	%100
68	M87A	Z	0	0	0	%100
69	M89A	X	-.987	-.987	0	%100
70	M89A	Z	0	0	0	%100
71	M90A	X	-.749	-.749	0	%100
72	M90A	Z	0	0	0	%100
73	M92	X	-.776	-.776	0	%100
74	M92	Z	0	0	0	%100
75	M70A	X	0	0	0	%100
76	M70A	Z	0	0	0	%100
77	M71B	X	-.291	-.291	0	%100
78	M71B	Z	0	0	0	%100
79	M72B	X	-.291	-.291	0	%100
80	M72B	Z	0	0	0	%100
81	MP4A	X	-.388	-.388	0	%100
82	MP4A	Z	0	0	0	%100
83	MP3A	X	-.388	-.388	0	%100
84	MP3A	Z	0	0	0	%100
85	MP2A	X	-.388	-.388	0	%100
86	MP2A	Z	0	0	0	%100
87	MP1A	X	-.388	-.388	0	%100
88	MP1A	Z	0	0	0	%100
89	MP4C	X	-.388	-.388	0	%100
90	MP4C	Z	0	0	0	%100
91	MP3C	X	-.388	-.388	0	%100
92	MP3C	Z	0	0	0	%100
93	MP2C	X	-.388	-.388	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	-.388	-.388	0	%100
96	MP1C	Z	0	0	0	%100
97	MP4B	X	-.388	-.388	0	%100
98	MP4B	Z	0	0	0	%100
99	MP3B	X	-.388	-.388	0	%100
100	MP3B	Z	0	0	0	%100
101	MP2B	X	-.388	-.388	0	%100
102	MP2B	Z	0	0	0	%100
103	MP1B	X	-.388	-.388	0	%100
104	MP1B	Z	0	0	0	%100
105	O1	X	-.317	-.317	0	%100
106	O1	Z	0	0	0	%100
107	M113	X	-.345	-.345	0	%100
108	M113	Z	0	0	0	%100
109	M116	X	-.345	-.345	0	%100
110	M116	Z	0	0	0	%100
111	M119A	X	0	0	0	%100
112	M119A	Z	0	0	0	%100
113	M118A	X	-.147	-.147	0	%100
114	M118A	Z	0	0	0	%100
115	M119B	X	-.147	-.147	0	%100
116	M119B	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[ft,%]	End Location[ft,%]
1	M20	X	-.124	-.124	0	%100
2	M20	Z	-.072	-.072	0	%100
3	M32	X	-.124	-.124	0	%100
4	M32	Z	-.072	-.072	0	%100
5	M33A	X	-.495	-.495	0	%100
6	M33A	Z	-.286	-.286	0	%100
7	M41A	X	-.116	-.116	0	%100
8	M41A	Z	-.067	-.067	0	%100
9	M42_1	X	-.116	-.116	0	%100
10	M42_1	Z	-.067	-.067	0	%100
11	M43A_1	X	-.212	-.212	0	%100
12	M43A_1	Z	-.123	-.123	0	%100
13	M46A	X	-.462	-.462	0	%100
14	M46A	Z	-.267	-.267	0	%100
15	M47	X	-.116	-.116	0	%100
16	M47	Z	-.067	-.067	0	%100
17	M64	X	-.641	-.641	0	%100
18	M64	Z	-.37	-.37	0	%100
19	M65	X	-.216	-.216	0	%100
20	M65	Z	-.125	-.125	0	%100
21	M71	X	-.224	-.224	0	%100
22	M71	Z	-.129	-.129	0	%100
23	M86	X	-.641	-.641	0	%100
24	M86	Z	-.37	-.37	0	%100
25	M87	X	-.865	-.865	0	%100
26	M87	Z	-.499	-.499	0	%100
27	M90	X	-.897	-.897	0	%100
28	M90	Z	-.518	-.518	0	%100
29	M51A	X	-.464	-.464	0	%100
30	M51A	Z	-.268	-.268	0	%100
31	M52	X	-.464	-.464	0	%100
32	M52	Z	-.268	-.268	0	%100
33	M53A	X	-.849	-.849	0	%100
34	M53A	Z	-.49	-.49	0	%100
35	M56	X	-.116	-.116	0	%100
36	M56	Z	-.067	-.067	0	%100
37	M57	X	-.116	-.116	0	%100
38	M57	Z	-.067	-.067	0	%100
39	M62	X	0	0	0	%100
40	M62	Z	0	0	0	%100
41	M63	X	-.216	-.216	0	%100
42	M63	Z	-.125	-.125	0	%100
43	M65A	X	-.224	-.224	0	%100
44	M65A	Z	-.129	-.129	0	%100
45	M67	X	0	0	0	%100
46	M67	Z	0	0	0	%100
47	M68A	X	-.216	-.216	0	%100
48	M68A	Z	-.125	-.125	0	%100
49	M70	X	-.224	-.224	0	%100
50	M70	Z	-.129	-.129	0	%100
51	M72A	X	-.381	-.381	0	%100
52	M72A	Z	-.22	-.22	0	%100
53	M73	X	-.116	-.116	0	%100
54	M73	Z	-.067	-.067	0	%100
55	M74	X	-.116	-.116	0	%100
56	M74	Z	-.067	-.067	0	%100
57	M75	X	-.212	-.212	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[ft,%]	End Location[ft,%]
58	M75	Z	-.123	-.123	0	%100
59	M78	X	-.116	-.116	0	%100
60	M78	Z	-.067	-.067	0	%100
61	M79	X	-.462	-.462	0	%100
62	M79	Z	-.267	-.267	0	%100
63	M84	X	-.641	-.641	0	%100
64	M84	Z	-.37	-.37	0	%100
65	M85	X	-.865	-.865	0	%100
66	M85	Z	-.499	-.499	0	%100
67	M87A	X	-.897	-.897	0	%100
68	M87A	Z	-.518	-.518	0	%100
69	M89A	X	-.641	-.641	0	%100
70	M89A	Z	-.37	-.37	0	%100
71	M90A	X	-.216	-.216	0	%100
72	M90A	Z	-.125	-.125	0	%100
73	M92	X	-.224	-.224	0	%100
74	M92	Z	-.129	-.129	0	%100
75	M70A	X	-.084	-.084	0	%100
76	M70A	Z	-.049	-.049	0	%100
77	M71B	X	-.336	-.336	0	%100
78	M71B	Z	-.194	-.194	0	%100
79	M72B	X	-.084	-.084	0	%100
80	M72B	Z	-.049	-.049	0	%100
81	MP4A	X	-.336	-.336	0	%100
82	MP4A	Z	-.194	-.194	0	%100
83	MP3A	X	-.336	-.336	0	%100
84	MP3A	Z	-.194	-.194	0	%100
85	MP2A	X	-.336	-.336	0	%100
86	MP2A	Z	-.194	-.194	0	%100
87	MP1A	X	-.336	-.336	0	%100
88	MP1A	Z	-.194	-.194	0	%100
89	MP4C	X	-.336	-.336	0	%100
90	MP4C	Z	-.194	-.194	0	%100
91	MP3C	X	-.336	-.336	0	%100
92	MP3C	Z	-.194	-.194	0	%100
93	MP2C	X	-.336	-.336	0	%100
94	MP2C	Z	-.194	-.194	0	%100
95	MP1C	X	-.336	-.336	0	%100
96	MP1C	Z	-.194	-.194	0	%100
97	MP4B	X	-.336	-.336	0	%100
98	MP4B	Z	-.194	-.194	0	%100
99	MP3B	X	-.336	-.336	0	%100
100	MP3B	Z	-.194	-.194	0	%100
101	MP2B	X	-.336	-.336	0	%100
102	MP2B	Z	-.194	-.194	0	%100
103	MP1B	X	-.336	-.336	0	%100
104	MP1B	Z	-.194	-.194	0	%100
105	O1	X	-.275	-.275	0	%100
106	O1	Z	-.159	-.159	0	%100
107	M113	X	-.099	-.099	0	%100
108	M113	Z	-.057	-.057	0	%100
109	M116	X	-.398	-.398	0	%100
110	M116	Z	-.23	-.23	0	%100
111	M119A	X	-.099	-.099	0	%100
112	M119A	Z	-.057	-.057	0	%100
113	M118A	X	-.381	-.381	0	%100
114	M118A	Z	-.22	-.22	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[ft,%]	End Location[ft,%]
115	M119B	X	0	0	0	%100
116	M119B	Z	0	0	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[ft,%]	End Location[ft,%]
1	M20	X	-.215	-.215	0	%100
2	M20	Z	-.372	-.372	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	0	0	0	%100
5	M33A	X	-.215	-.215	0	%100
6	M33A	Z	-.372	-.372	0	%100
7	M41A	X	0	0	0	%100
8	M41A	Z	0	0	0	%100
9	M42_1	X	0	0	0	%100
10	M42_1	Z	0	0	0	%100
11	M43A_1	X	0	0	0	%100
12	M43A_1	Z	0	0	0	%100
13	M46A	X	-.2	-.2	0	%100
14	M46A	Z	-.347	-.347	0	%100
15	M47	X	-.2	-.2	0	%100
16	M47	Z	-.347	-.347	0	%100
17	M64	X	-.493	-.493	0	%100
18	M64	Z	-.855	-.855	0	%100
19	M65	X	-.375	-.375	0	%100
20	M65	Z	-.649	-.649	0	%100
21	M71	X	-.388	-.388	0	%100
22	M71	Z	-.672	-.672	0	%100
23	M86	X	-.493	-.493	0	%100
24	M86	Z	-.855	-.855	0	%100
25	M87	X	-.375	-.375	0	%100
26	M87	Z	-.649	-.649	0	%100
27	M90	X	-.388	-.388	0	%100
28	M90	Z	-.672	-.672	0	%100
29	M51A	X	-.201	-.201	0	%100
30	M51A	Z	-.348	-.348	0	%100
31	M52	X	-.201	-.201	0	%100
32	M52	Z	-.348	-.348	0	%100
33	M53A	X	-.368	-.368	0	%100
34	M53A	Z	-.637	-.637	0	%100
35	M56	X	-.2	-.2	0	%100
36	M56	Z	-.347	-.347	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	0	0	0	%100
39	M62	X	-.123	-.123	0	%100
40	M62	Z	-.214	-.214	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	0	0	0	%100
43	M65A	X	0	0	0	%100
44	M65A	Z	0	0	0	%100
45	M67	X	-.123	-.123	0	%100
46	M67	Z	-.214	-.214	0	%100
47	M68A	X	-.375	-.375	0	%100
48	M68A	Z	-.649	-.649	0	%100
49	M70	X	-.388	-.388	0	%100
50	M70	Z	-.672	-.672	0	%100
51	M72A	X	-.073	-.073	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[ft,%]	End Location[ft,%]
52	M72A	Z	-.127	-.127	0	%100
53	M73	X	-.201	-.201	0	%100
54	M73	Z	-.348	-.348	0	%100
55	M74	X	-.201	-.201	0	%100
56	M74	Z	-.348	-.348	0	%100
57	M75	X	-.368	-.368	0	%100
58	M75	Z	-.637	-.637	0	%100
59	M78	X	0	0	0	%100
60	M78	Z	0	0	0	%100
61	M79	X	-.2	-.2	0	%100
62	M79	Z	-.347	-.347	0	%100
63	M84	X	-.123	-.123	0	%100
64	M84	Z	-.214	-.214	0	%100
65	M85	X	-.375	-.375	0	%100
66	M85	Z	-.649	-.649	0	%100
67	M87A	X	-.388	-.388	0	%100
68	M87A	Z	-.672	-.672	0	%100
69	M89A	X	-.123	-.123	0	%100
70	M89A	Z	-.214	-.214	0	%100
71	M90A	X	0	0	0	%100
72	M90A	Z	0	0	0	%100
73	M92	X	0	0	0	%100
74	M92	Z	0	0	0	%100
75	M70A	X	-.146	-.146	0	%100
76	M70A	Z	-.252	-.252	0	%100
77	M71B	X	-.146	-.146	0	%100
78	M71B	Z	-.252	-.252	0	%100
79	M72B	X	0	0	0	%100
80	M72B	Z	0	0	0	%100
81	MP4A	X	-.194	-.194	0	%100
82	MP4A	Z	-.336	-.336	0	%100
83	MP3A	X	-.194	-.194	0	%100
84	MP3A	Z	-.336	-.336	0	%100
85	MP2A	X	-.194	-.194	0	%100
86	MP2A	Z	-.336	-.336	0	%100
87	MP1A	X	-.194	-.194	0	%100
88	MP1A	Z	-.336	-.336	0	%100
89	MP4C	X	-.194	-.194	0	%100
90	MP4C	Z	-.336	-.336	0	%100
91	MP3C	X	-.194	-.194	0	%100
92	MP3C	Z	-.336	-.336	0	%100
93	MP2C	X	-.194	-.194	0	%100
94	MP2C	Z	-.336	-.336	0	%100
95	MP1C	X	-.194	-.194	0	%100
96	MP1C	Z	-.336	-.336	0	%100
97	MP4B	X	-.194	-.194	0	%100
98	MP4B	Z	-.336	-.336	0	%100
99	MP3B	X	-.194	-.194	0	%100
100	MP3B	Z	-.336	-.336	0	%100
101	MP2B	X	-.194	-.194	0	%100
102	MP2B	Z	-.336	-.336	0	%100
103	MP1B	X	-.194	-.194	0	%100
104	MP1B	Z	-.336	-.336	0	%100
105	O1	X	-.159	-.159	0	%100
106	O1	Z	-.275	-.275	0	%100
107	M113	X	0	0	0	%100
108	M113	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[ft,%]	End Location[ft,%]
109	M116	X	-.172	-.172	0	%100
110	M116	Z	-.298	-.298	0	%100
111	M119A	X	-.172	-.172	0	%100
112	M119A	Z	-.298	-.298	0	%100
113	M118A	X	-.294	-.294	0	%100
114	M118A	Z	-.508	-.508	0	%100
115	M119B	X	-.073	-.073	0	%100
116	M119B	Z	-.127	-.127	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[ft,%]	End Location[ft,%]
1	M20	Y	-.094	-1.322	0	1.45
2	M20	Y	-1.322	-1.986	1.45	2.9
3	M20	Y	-1.986	-.858	2.9	4.35
4	M33A	Y	-.148	-2.004	10.15	11.6
5	M33A	Y	-2.004	-1.561	11.6	13.05
6	M33A	Y	-1.561	-.148	13.05	14.5
7	M41A	Y	-.152	-1.864	0	.481
8	M41A	Y	-1.864	-3.848	.481	.962
9	M41A	Y	-3.848	-4.638	.962	1.444
10	M41A	Y	-4.638	-3.639	1.444	1.925
11	M41A	Y	-3.639	-.603	1.925	2.406
12	M42_1	Y	-.881	-2.836	0	.481
13	M42_1	Y	-2.836	-4.601	.481	.962
14	M42_1	Y	-4.601	-4.158	.962	1.444
15	M42_1	Y	-4.158	-1.513	1.444	1.925
16	M42_1	Y	-1.513	-.098	1.925	2.406
17	M43A_1	Y	-.962	-.843	0	.365
18	M43A_1	Y	-.843	-.844	.365	.729
19	M43A_1	Y	-.844	-.966	.729	1.094
20	M50_1	Y	-.363	-.363	0	.162
21	M51_1	Y	-1.232	-.363	0	.167
22	M71	Y	-2.324	-2.324	0	.125
23	M90	Y	-2.328	-2.328	0	.125
24	M118A	Y	-.127	-1.892	1.075	1.935
25	M118A	Y	-1.892	-6.633	1.935	2.795
26	M118A	Y	-6.633	-7.735	2.795	3.655
27	M118A	Y	-7.735	-4.586	3.655	4.515
28	M118A	Y	-4.586	-2.037	4.515	5.375
29	M20	Y	-.857	-1.987	10.15	11.6
30	M20	Y	-1.987	-1.323	11.6	13.05
31	M20	Y	-1.323	-.094	13.05	14.5
32	M32	Y	-.148	-1.56	0	1.45
33	M32	Y	-1.56	-2.004	1.45	2.9
34	M32	Y	-2.004	-.148	2.9	4.35
35	M51A	Y	-.098	-1.512	0	.481
36	M51A	Y	-1.512	-4.156	.481	.962
37	M51A	Y	-4.156	-4.599	.962	1.444
38	M51A	Y	-4.599	-2.836	1.444	1.925
39	M51A	Y	-2.836	-.881	1.925	2.406
40	M52	Y	-.603	-3.64	0	.481
41	M52	Y	-3.64	-4.64	.481	.962
42	M52	Y	-4.64	-3.85	.962	1.444
43	M52	Y	-3.85	-1.865	1.444	1.925
44	M52	Y	-1.865	-.152	1.925	2.406
45	M53A	Y	-.962	-.843	0	.365

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M53A	Y	-.843	-.844	.365	.729
47	M53A	Y	-.844	-.966	.729	1.094
48	M60	Y	-.752	-.843	0	.167
49	M61	Y	-.363	-.363	.004	.167
50	M65A	Y	-2.324	-2.324	0	.125
51	M70	Y	-2.328	-2.328	0	.125
52	M119B	Y	-.127	-1.892	1.075	1.935
53	M119B	Y	-1.892	-6.632	1.935	2.795
54	M119B	Y	-6.632	-7.735	2.795	3.655
55	M119B	Y	-7.735	-4.586	3.655	4.515
56	M119B	Y	-4.586	-2.037	4.515	5.375
57	M32	Y	-.148	-2.004	10.15	11.6
58	M32	Y	-2.004	-1.561	11.6	13.05
59	M32	Y	-1.561	-.148	13.05	14.5
60	M33A	Y	-.094	-1.322	0	1.45
61	M33A	Y	-1.322	-1.986	1.45	2.9
62	M33A	Y	-1.986	-.858	2.9	4.35
63	M72A	Y	-.127	-1.915	1.075	1.935
64	M72A	Y	-1.915	-6.656	1.935	2.795
65	M72A	Y	-6.656	-7.735	2.795	3.655
66	M72A	Y	-7.735	-4.586	3.655	4.515
67	M72A	Y	-4.586	-2.037	4.515	5.375
68	M73	Y	-.152	-1.864	0	.481
69	M73	Y	-1.864	-3.848	.481	.962
70	M73	Y	-3.848	-4.638	.962	1.444
71	M73	Y	-4.638	-3.639	1.444	1.925
72	M73	Y	-3.639	-.603	1.925	2.406
73	M74	Y	-.881	-2.836	0	.481
74	M74	Y	-2.836	-4.601	.481	.962
75	M74	Y	-4.601	-4.158	.962	1.444
76	M74	Y	-4.158	-1.513	1.444	1.925
77	M74	Y	-1.513	-.098	1.925	2.406
78	M75	Y	-.962	-.843	0	.365
79	M75	Y	-.843	-.844	.365	.729
80	M75	Y	-.844	-.966	.729	1.094
81	M82	Y	-.363	-.363	0	.162
82	M83	Y	-2.448	-2.448	.125	.163
83	M87A	Y	-2.324	-2.324	0	.125
84	M92	Y	-2.328	-2.328	0	.125

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	Y	-.186	-2.618	0	1.45
2	M20	Y	-2.618	-3.933	1.45	2.9
3	M20	Y	-3.933	-1.7	2.9	4.35
4	M33A	Y	-.293	-3.968	10.15	11.6
5	M33A	Y	-3.968	-3.09	11.6	13.05
6	M33A	Y	-3.09	-.293	13.05	14.5
7	M41A	Y	-.301	-3.69	0	.481
8	M41A	Y	-3.69	-7.619	.481	.962
9	M41A	Y	-7.619	-9.184	.962	1.444
10	M41A	Y	-9.184	-7.205	1.444	1.925
11	M41A	Y	-7.205	-1.194	1.925	2.406
12	M42_1	Y	-1.744	-5.616	0	.481
13	M42_1	Y	-5.616	-9.11	.481	.962
14	M42_1	Y	-9.11	-8.233	.962	1.444

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[ft,%]	End Location[ft,%]
15	M42_1	Y	-8.233	-2.996	1.444	1.925
16	M42_1	Y	-2.996	-.194	1.925	2.406
17	M43A_1	Y	-1.905	-1.669	0	.365
18	M43A_1	Y	-1.669	-1.671	.365	.729
19	M43A_1	Y	-1.671	-1.912	.729	1.094
20	M50_1	Y	-.719	-.719	0	.162
21	M51_1	Y	-2.44	-.719	0	.167
22	M71	Y	-4.601	-4.601	0	.125
23	M90	Y	-4.609	-4.609	0	.125
24	M118A	Y	-.252	-3.745	1.075	1.935
25	M118A	Y	-3.745	-13.132	1.935	2.795
26	M118A	Y	-13.132	-15.315	2.795	3.655
27	M118A	Y	-15.315	-9.081	3.655	4.515
28	M118A	Y	-9.081	-4.034	4.515	5.375
29	M20	Y	-1.697	-3.934	10.15	11.6
30	M20	Y	-3.934	-2.62	11.6	13.05
31	M20	Y	-2.62	-.186	13.05	14.5
32	M32	Y	-.293	-3.089	0	1.45
33	M32	Y	-3.089	-3.968	1.45	2.9
34	M32	Y	-3.968	-.293	2.9	4.35
35	M51A	Y	-.194	-2.994	0	.481
36	M51A	Y	-2.994	-8.228	.481	.962
37	M51A	Y	-8.228	-9.106	.962	1.444
38	M51A	Y	-9.106	-5.615	1.444	1.925
39	M51A	Y	-5.615	-1.744	1.925	2.406
40	M52	Y	-1.193	-7.207	0	.481
41	M52	Y	-7.207	-9.188	.481	.962
42	M52	Y	-9.188	-7.624	.962	1.444
43	M52	Y	-7.624	-3.693	1.444	1.925
44	M52	Y	-3.693	-.301	1.925	2.406
45	M53A	Y	-1.905	-1.669	0	.365
46	M53A	Y	-1.669	-1.671	.365	.729
47	M53A	Y	-1.671	-1.912	.729	1.094
48	M60	Y	-1.49	-1.669	0	.167
49	M61	Y	-.719	-.719	.004	.167
50	M65A	Y	-4.601	-4.601	0	.125
51	M70	Y	-4.61	-4.61	0	.125
52	M119B	Y	-.252	-3.745	1.075	1.935
53	M119B	Y	-3.745	-13.132	1.935	2.795
54	M119B	Y	-13.132	-15.315	2.795	3.655
55	M119B	Y	-15.315	-9.081	3.655	4.515
56	M119B	Y	-9.081	-4.034	4.515	5.375
57	M32	Y	-.293	-3.968	10.15	11.6
58	M32	Y	-3.968	-3.09	11.6	13.05
59	M32	Y	-3.09	-.293	13.05	14.5
60	M33A	Y	-.186	-2.618	0	1.45
61	M33A	Y	-2.618	-3.933	1.45	2.9
62	M33A	Y	-3.933	-1.7	2.9	4.35
63	M72A	Y	-.252	-3.792	1.075	1.935
64	M72A	Y	-3.792	-13.179	1.935	2.795
65	M72A	Y	-13.179	-15.315	2.795	3.655
66	M72A	Y	-15.315	-9.081	3.655	4.515
67	M72A	Y	-9.081	-4.034	4.515	5.375
68	M73	Y	-.301	-3.69	0	.481
69	M73	Y	-3.69	-7.619	.481	.962
70	M73	Y	-7.619	-9.184	.962	1.444
71	M73	Y	-9.184	-7.205	1.444	1.925

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[ft,%]	End Location[ft,%]
72	M73	Y	-7.205	-1.194	1.925	2.406
73	M74	Y	-1.744	-5.616	0	.481
74	M74	Y	-5.616	-9.11	.481	.962
75	M74	Y	-9.11	-8.233	.962	1.444
76	M74	Y	-8.233	-2.996	1.444	1.925
77	M74	Y	-2.996	-.194	1.925	2.406
78	M75	Y	-1.905	-1.669	0	.365
79	M75	Y	-1.669	-1.671	.365	.729
80	M75	Y	-1.671	-1.912	.729	1.094
81	M82	Y	-.719	-.719	0	.162
82	M83	Y	-4.847	-4.847	.125	.163
83	M87A	Y	-4.601	-4.601	0	.125
84	M92	Y	-4.609	-4.609	0	.125

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N84A	N88A	N89_1	N85A	Y	Two Way	-.005
2	N91A	N92A	N96A	N95A	Y	Two Way	-.005
3	N119	N123	N124A	N120B	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N84A	N88A	N89_1	N85A	Y	Two Way	-.01
2	N91A	N92A	N96A	N95A	Y	Two Way	-.01
3	N119	N123	N124A	N120B	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	N112A	max	602.789	10	1490.972	13	705.04	1	3.026	13	.718	4	.48	17
2		min	-583.906	4	614.859	31	-797.064	7	1.205	7	-.745	10	.201	35
3	N182B	max	533.222	9	1275.33	45	518.033	1	-.726	3	.607	12	-.798	3
4		min	-615.739	3	566.169	3	-455.564	7	-2.122	45	-.588	6	-2.054	21
5	N185	max	818.937	10	1791.465	17	855.134	1	-.876	11	1.162	8	3.129	17
6		min	-755.395	4	867.486	11	-825.586	7	-2.288	29	-1.154	2	1.413	11
7	Totals:	max	1931.642	10	4473.769	23	2078.206	1						
8		min	-1931.614	4	2310.087	5	-2078.213	7						

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

	Member	Shape	Code ...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M20	PIPE_3.0	.094	10.12	18	.053	10.12		18	21266.043	65205	5.749	5.749	2...	H1-1b
2	M32	PIPE_3.0	.113	4.38	16	.054	4.38		16	21266.043	65205	5.749	5.749	2...	H1-1b
3	M33A	PIPE_3.0	.089	10.12	46	.019	4.38		24	21266.043	65205	5.749	5.749	2...	H1-1b
4	M41A	HSS4X4X3	.123	2.406	22	.026	2.406	y	17	79841.851	81270	9.634	9.634	1...	H1-1b
5	M42_1	HSS4X4X3	.194	0	38	.050	0	y	37	79841.851	81270	9.634	9.634	1...	H1-1b
6	M43A_1	PL1/2x6	.094	.547	2	.055	.239	y	2	61891.815	94500	.984	11.813	1...	H1-1b
7	M46A	L2x2x3	.059	3.965	10	.006	0	y	16	10573.952	22743	.542	1.063	1...	H2-1
8	M47	L2x2x3	.062	0	8	.006	3.967	y	14	10568.342	22743	.542	1.063	1...	H2-1
9	M64	PL3/8x6	.165	0	6	.142	0	y	27	69325.094	70875	.554	8.859	2...	H1-1b
10	M65	PL3/8x6	.086	0	12	.082	0	y	45	69647.547	70875	.554	8.859	1...	H1-1b
11	M71	PL1/2x6	.016	.125	1	.021	0	y	47	93979.077	94500	.984	11.813	1...	H1-1b
12	M86	PL3/8x6	.058	0	6	.157	0	y	38	69325.094	70875	.554	8.859	2...	H1-1b
13	M87	PL3/8x6	.040	0	5	.045	0	y	45	69647.547	70875	.554	8.859	1...	H1-1b

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

	Member	Shape	Code ...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn
14	M90	PL1/2x6	.012	.125	11	.037	.125	y	37	93979.077	94500	.984	11.813	1....	H1-1b
15	M51A	HSS4X4X3	.227	2.406	30	.057	2.406	y	36	79841.851	81270	9.634	9.634	1....	H1-1b
16	M52	HSS4X4X3	.210	0	16	.044	0	y	21	79841.851	81270	9.634	9.634	1....	H1-1b
17	M53A	PL1/2x6	.102	.547	11	.089	.547	y	50	61891.815	94500	.984	11.813	2....	H1-1b
18	M56	L2x2x3	.075	3.965	6	.007	0	y	23	10573.952	22743	.542	1.063	1....	H2-1
19	M57	L2x2x3	.070	0	4	.008	3.967	y	23	10568.342	22743	.542	1.063	1....	H2-1
20	M62	PL3/8x6	.196	0	8	.206	0	y	35	69325.094	70875	.554	8.859	2....	H1-1b
21	M63	PL3/8x6	.106	0	8	.079	0	y	18	69647.547	70875	.554	8.859	1....	H1-1b
22	M65A	PL1/2x6	.019	.125	9	.039	.125	y	50	93979.077	94500	.984	11.813	1....	H1-1b
23	M67	PL3/8x6	.238	0	2	.174	0	y	23	69325.094	70875	.554	8.859	2....	H1-1b
24	M68A	PL3/8x6	.135	0	1	.095	0	y	28	69647.547	70875	.554	8.859	1....	H1-1b
25	M70	PL1/2x6	.022	.125	1	.071	0	y	50	93979.077	94500	.984	11.813	1....	H1-1b
26	M72A	HSS4X4X4	.257	0	22	.097	0	y	14	96824.558	106155	12.311	12.311	3....	H1-1b
27	M73	HSS4X4X3	.175	2.406	20	.043	2.406	y	21	79841.851	81270	9.634	9.634	1....	H1-1b
28	M74	HSS4X4X3	.137	0	24	.028	0	y	17	79841.851	81270	9.634	9.634	1....	H1-1b
29	M75	PL1/2x6	.097	.547	8	.062	.547	y	8	61891.815	94500	.984	11.813	1....	H1-1b
30	M78	L2x2x3	.064	3.965	2	.006	0	y	20	10573.952	22743	.542	1.063	1....	H2-1
31	M79	L2x2x3	.061	0	12	.006	3.967	y	18	10568.342	22743	.542	1.063	1....	H2-1
32	M84	PL3/8x6	.065	0	4	.126	0	y	19	69325.094	70875	.554	8.859	2....	H1-1b
33	M85	PL3/8x6	.043	0	5	.049	0	y	14	69647.547	70875	.554	8.859	1....	H1-1b
34	M87A	PL1/2x6	.012	.125	11	.022	.125	y	21	93979.077	94500	.984	11.813	1....	H1-1b
35	M89A	PL3/8x6	.202	0	4	.114	0	y	20	69325.094	70875	.554	8.859	1....	H1-1b
36	M90A	PL3/8x6	.112	0	9	.066	0	y	24	69647.547	70875	.554	8.859	1....	H1-1b
37	M92	PL1/2x6	.023	.125	9	.010	.125	y	50	93979.077	94500	.984	11.813	1....	H1-1b
38	M70A	PIPE_2.0	.064	1.51	50	.029	1.51		7	4678.529	32130	1.872	1.872	3....	H1-1b
39	M71B	PIPE_2.0	.087	5.286	13	.023	5.286		4	4678.529	32130	1.872	1.872	3....	H1-1b
40	M72B	PIPE_2.0	.074	9.214	50	.033	9.214		15	4678.529	32130	1.872	1.872	3....	H1-1b
41	MP4A	PIPE_2.0	.102	4	16	.043	1		7	14916.096	32130	1.872	1.872	1....	H1-1b
42	MP3A	PIPE_2.0	.109	4	1	.028	4		2	14916.096	32130	1.872	1.872	1....	H1-1b
43	MP2A	PIPE_2.0	.198	4	1	.037	4		2	14916.096	32130	1.872	1.872	1....	H1-1b
44	MP1A	PIPE_2.0	.131	4	50	.042	1		7	14916.096	32130	1.872	1.872	1....	H1-1b
45	MP4C	PIPE_2.0	.137	4	23	.048	1		3	14916.096	32130	1.872	1.872	1....	H1-1b
46	MP3C	PIPE_2.0	.117	4	8	.033	4		7	14916.096	32130	1.872	1.872	1....	H1-1b
47	MP2C	PIPE_2.0	.189	4	9	.041	4		7	14916.096	32130	1.872	1.872	1....	H1-1b
48	MP1C	PIPE_2.0	.104	4	19	.053	1		3	14916.096	32130	1.872	1.872	1....	H1-1b
49	MP4B	PIPE_2.0	.141	4	21	.033	1		5	14916.096	32130	1.872	1.872	1....	H1-1b
50	MP3B	PIPE_2.0	.074	4	8	.013	1		47	14916.096	32130	1.872	1.872	1....	H1-1b
51	MP2B	PIPE_2.0	.087	4	2	.015	4		4	14916.096	32130	1.872	1.872	1....	H1-1b
52	MP1B	PIPE_2.0	.143	4	13	.031	1		5	14916.096	32130	1.872	1.872	1....	H1-1b
53	O1	PIPE_2.0	.049	2.156	1	.008	2.156		1	28843.414	32130	1.872	1.872	1	H1-1b
54	M113	L2.5x2.5x4	.079	0	7	.024	0	y	48	36731.852	38556	1.114	2.537	1....	H2-1
55	M116	L2.5x2.5x4	.089	0	15	.023	0	y	26	36731.852	38556	1.114	2.537	1....	H2-1
56	M119A	L2.5x2.5x4	.103	1.219	3	.016	0	y	10	36731.852	38556	1.114	2.537	1.5	H2-1
57	M118A	HSS4X4X4	.221	0	24	.139	0	y	46	96824.558	106155	12.311	12.311	3....	H1-1b
58	M119B	HSS4X4X4	.317	0	20	.135	0	y	28	96824.558	106155	12.311	12.311	3....	H1-1b

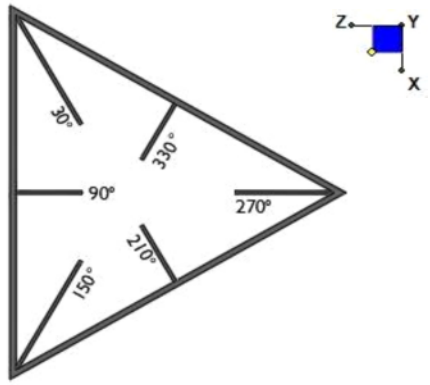
Client:	Verizon Wireless	Date:	6/18/2021
Site Name:	Colchester 3 CT - A		
Project No.	21777293A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

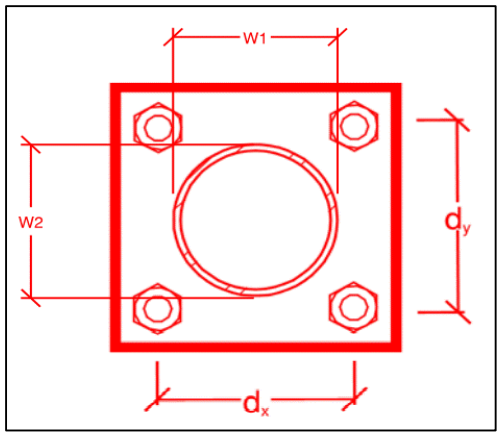
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	
d_x (in) *(Delta X of typ. bolt config. sketch)*	
d_y (in) *(Delta Y of typ. bolt config. sketch)*	
Bolt Type:	
Bolt Diameter (in):	
Required Tensile Strength (kips):	
Required Shear Strength (kips):	
Tensile Strength / bolt (kips):	
Shear Strength / bolt (kips):	
Tensile Capacity Overall:	
Shear Capacity Overall:	



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	
Plate Height (in):	
W1 (in):	
W2 (in):	
Fy (ksi, plate):	
t_{Plate} (in)	
Weld Size (1/16 in):	
Phi*Rn (kip/in):	
Required Weld Strength (kip/in):	
Plate Bending Capacity:	
Weld Capacity:	

Max Plate Bending Strengths

Mu_{xx} *(kip-in)*	
$Phi*Mn_{xx}$ *(kip-in)*	
Mu_{yy} *(kip-in)*	
$Phi*Mn_{yy}$ *(kip-in)*	

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – New Mount Passing MA

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, this includes safety issues.

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the passing MA
- Verification that loading is as communicated in the Mount Analysis. NOTE If loading is different than what is conveyed in the modification drawing contact Maser Consulting Connecticut immediately.
- Verification that the New Mount Installed is as specified in the MA
- 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 new mount;
- *Photos taken at Mount Elevation*
  - Photos showing each individual sector before and also after installation of equipment. 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
  - Photos showing the newly installed mount that is as specified in the Mount Analysis

- 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.
- Photos showing the climbing facility and safety climb if present.

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 _____

New Mount Certification:

- The contractor must certify that the New Mount installed is as specified

☐ The contractor certifies that the New Mount installed is as specified in the Passing Mount Analysis

☐ The contractor notes that the New Mount installed is not as specified and engineering approval was received for the New Mount Installed

☐ The contractor did not install the New Mount specified in the Passing Mount Analysis

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

- Contractor shall remove the existing mounts and replace them with a new RMVP-496 low profile platform mount.
- Contractor shall install the proposed HRK14 support rail kit 36" above the face horizontal of the mount.
- Contractor shall Install (1) OVP pipe, 36" long P2.0 STD facing gamma sector. Connect to standoff arm at 10" from standoff end close to monopole using crossover plate (Site Pro 1, Part #: SQCX4-K or EOR approved equivalent). OVP pipes to be cantilevered up by 26" from standoff. Install retained OVPs on to the same pipes.
- Contractor to install safety climb cable guide (SitePro1 Part #115-352 or EOR approved equivalent) to the collar or the standoff horizontal.

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: 467583-VZW - COLCHESTER 3 CT - A

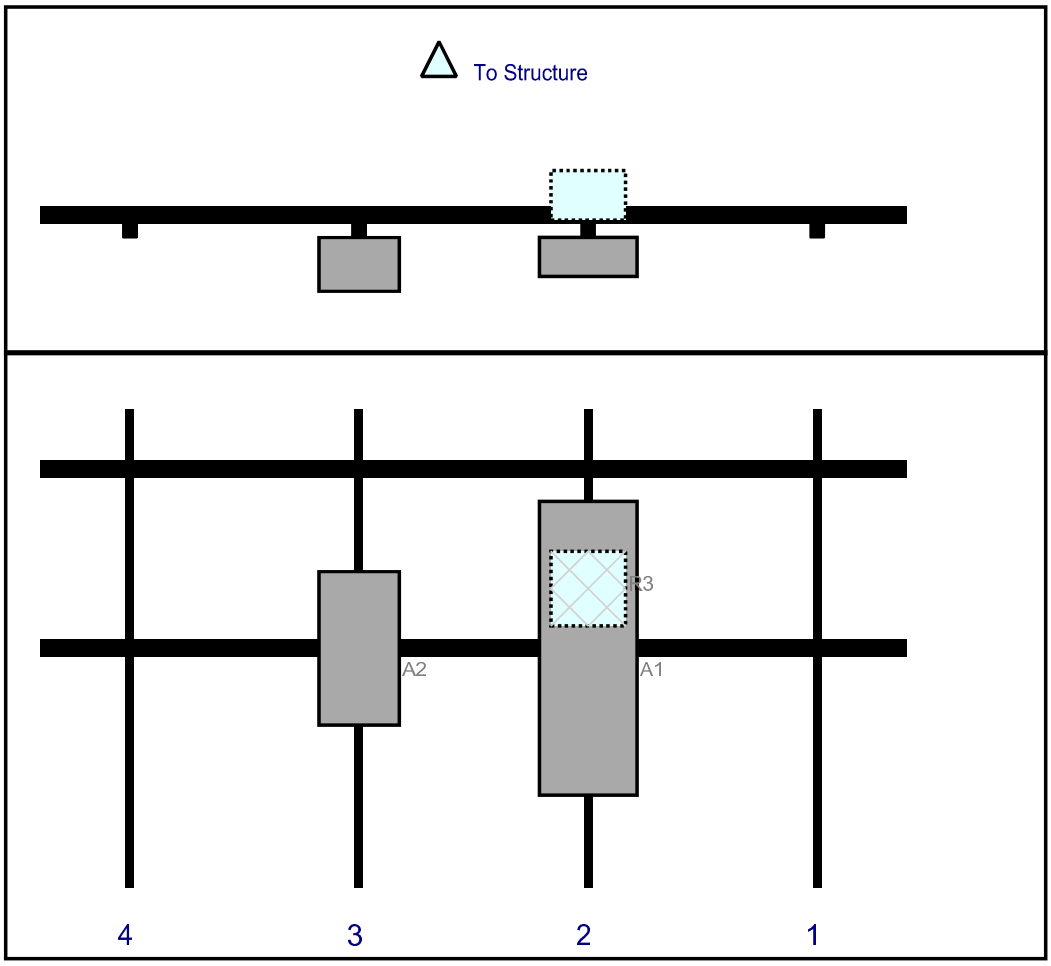
Sector: **A** 6/18/2021

Structure Type: Monopole 10045191

Mount Elev: 60.00 Page: 1

Plan View

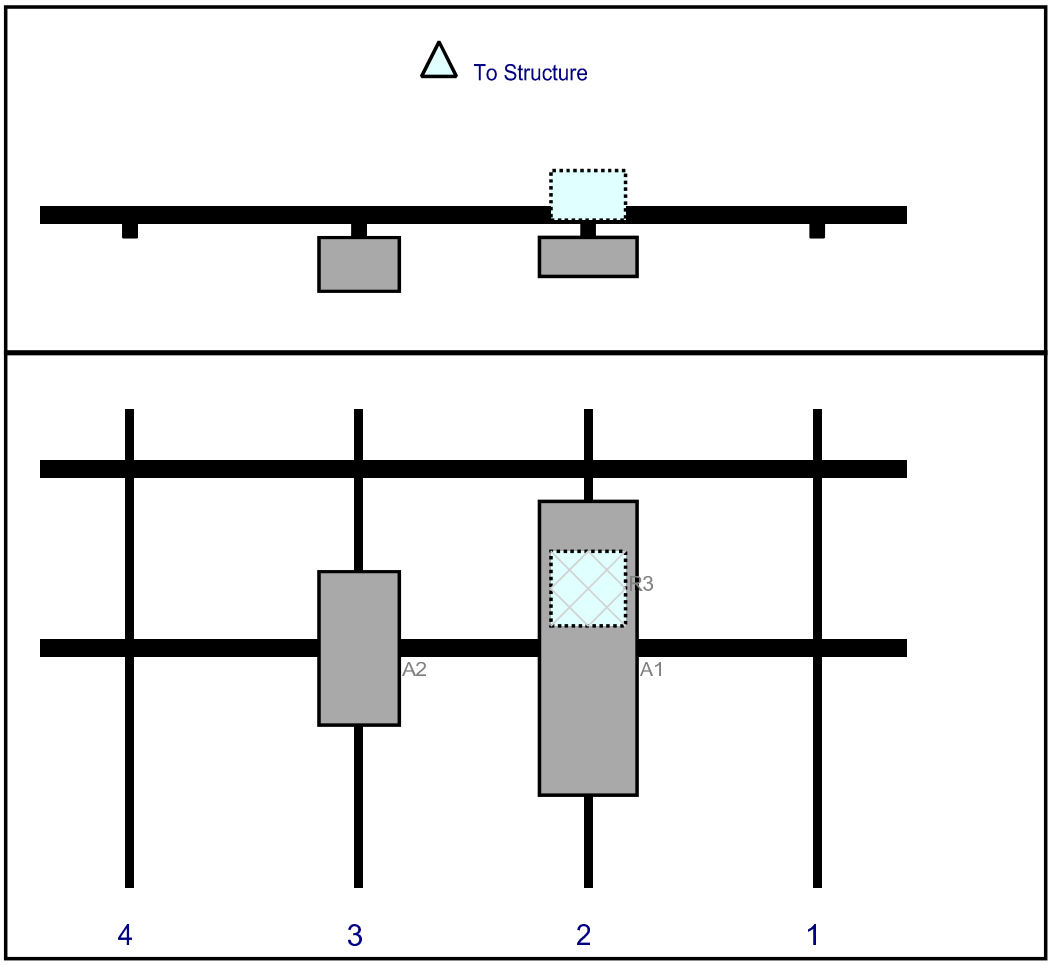
Front View
Looking at Structure



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	NNH4-65A-R6H4	59	19.6	110	2	a	Front	48	0	Added	
R3	B2/B66A RRH-BR049	15	15	110	2	a	Behind	36	0	Added	
A2	MT6407-77A	30.8	16.1	64	3	a	Front	48	0	Added	

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	NNH4-65A-R6H4	59	19.6	110	2	a	Front	48	0	Added	
R3	B2/B66A RRH-BR049	15	15	110	2	a	Behind	36	0	Added	
A2	MT6407-77A	30.8	16.1	64	3	a	Front	48	0	Added	

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	*Site ID:*	*467583-VZW / COLCHESTER 3 CT - A*
	Site Name:	*COLCHESTER 3 CT - A*
	Carrier Name:	*Verizon Wireless*
	Address:	*31 Chestnut Hill RD* *Colchester, Connecticut 06415* *New London County*
	Latitude:	*41.571500°*
	Longitude:	*-72.302528°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*14.50-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. TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

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

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

Sincerely,

Dejian Xu

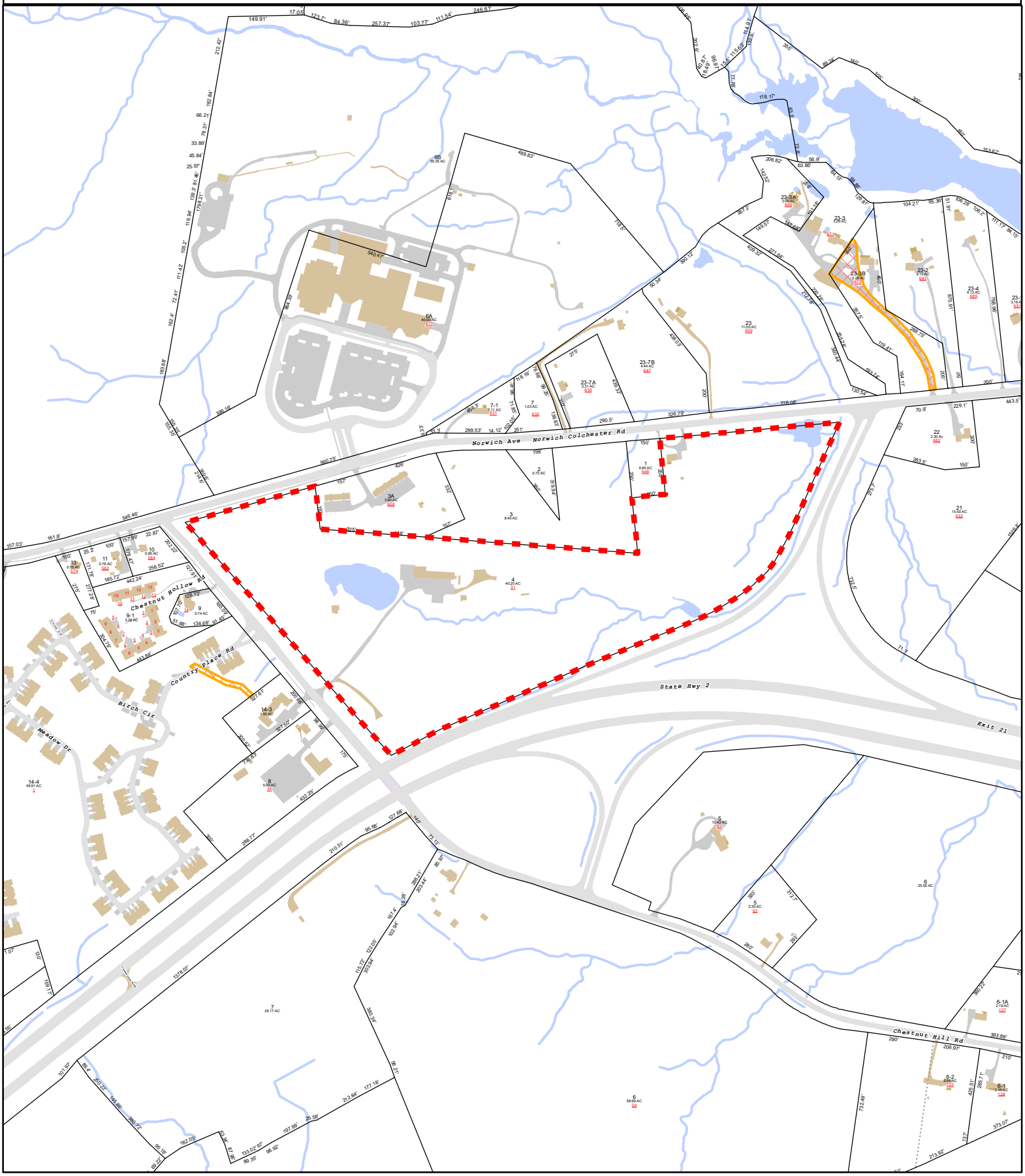
Dejian Xu, PE
Technical Manager

ATTACHMENT 5

Town of Colchester, Connecticut - Assessment Parcel Map

Parcel: 4W-01-004-000

Address:



Approximate Scale: **1 inch = 550 feet**

0 280 560 840 1,120

Feet

Map Produced: April 2021 / Grand List: 2020

Town of Colchester, CT

Property Report

Map Block Lot **4W-01/004-000** | PID **4018** | Building # **1** | Section # **1** | Account **P0499600**

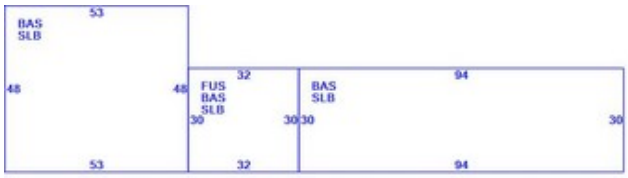
Property Information

Property Location	31 CHESTNUT HILL RD
Owner	PRZYBOROWSKI JOHN JR + MARY
Co-Owner	na
Mailing Address	3560 ORIENTAL AVE BOX 602 FISHERS ISLAND NY 06390
Land Use	4010 Ind Whse MDL-96
Land Class	I
Zoning Code	GC
Census Tract	

Neighborhood	
Acreage	40.25
Utilities	UNKNOWN
Lot Setting/Desc	UNKNOWN UNKNOWN
Additional Info	

Photo

Sketch



Primary Construction Details

Year Built	1952
Stories	2
Building Style	Warehouse
Building Use	Commercial
Building Condition	
Interior Floors 1	Concrete Slab
Interior Floors 2	NA
Total Rooms	0
Basement Garages	
Occupancy	1.00
Building Grade	

Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Bath Style	
Kitchen Style	
Roof Style	Gable
Roof Cover	Metal/Tin
AC Type	None
Fireplaces	0

Exterior Walls	Wood Shingle
Exterior Walls 2	Pre-finsh Metl
Interior Walls	Minimum
Interior Walls 2	NA
Heating Type	None
Heating Fuel	Coal or Wood
Sq. Ft. Basement	
Fin BSMT Quality	
Extra Kitchens	

Report Created On **7/27/2021**

Town of Colchester, CT

Property Report | Map Block Lot **4W-01/004-000** | PID **4018** | Building # **1** | Section # **1** | Account **P0499600**

Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	66600	46600
Extras	0	0
Improvements		
Outbuildings	5600	3900
Land	642900	296700
Total	715100	347200

Outbuilding and Extra Features

Type	Description
Kennel GD	376 S.F.
Fence 6' Chain	77 L.F.
Cabin-Minimal	696 S.F.

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	6324	6324
Upper Story, Finished	960	960
Slab	6324	0
Total Area		7284

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
PRZYBOROWSKI JOHN JR + MARY	0997/0101	3/4/2008	0
PRZYBOROWSKI JOHN JR	0080/0485	7/13/1986	0

Report Created On **7/27/2021**

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

COLCHESTER 3

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	3	neopost* 08/04/2021 US POSTAGE $002.89⁰ ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

	USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.		Mary Bylone, First Selectman Town of Colchester 127 Norwich Avenue Colchester, CT 06415				
2.		Matthew Bordeaux, Town Planner Town of Colchester 127 Norwich Avenue Colchester, CT 06415				
3.		Mary and John Przyrowski, Jr 3560 Oriental Avenue P.O. Box 602 Fishers Island, NY 06390				
4.						
5.						
6.						

OLD STATE HOUSE STATION 06103
AUG - 4 2021
USPS