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Also admitted in Massachusetts
and New York

October 11, 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**
46 Cemetery Road, Canterbury, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains a 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 and Cellco's use of the tower were approved by the Siting Council ("Council") in February of 2018 (Docket No. 477). A copy of the Council's Docket No. 477 Decision and Order is included in Attachment 1.

Cellco now intends to modify its facility by installing three (3) Samsung MT6407-77A antennas on its existing antenna platform. A set of project plans showing Cellco's proposed facility modifications and new antennas 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 Canterbury's Chief Elected Official and Land Use Officer.

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

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

2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundary.

3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.

4. The installation of Cellco's new antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A General Power Density table for Cellco's modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.

5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna mounts can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4.

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

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Christopher Lippke, First Selectman for the Town of Canterbury
Melissa Gill, Canterbury Zoning/Wetlands Enforcement Officer
Nicholas Holowaty II, Property Owner
Karla Hanna, Verizon Wireless

ATTACHMENT 1

DOCKET NO. 477 - Cellco Partnership d/b/a Verizon Wireless application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a telecommunications facility located at 46 Cemetery Road, Canterbury, Connecticut.	}	Connecticut
	}	Siting
	}	Council

February 15, 2018

Decision and Order

Pursuant to Connecticut General Statutes §16-50p, and the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, maintenance, and operation of a telecommunications facility, including effects on the natural environment, ecological balance, public health and safety, scenic, historic, and recreational values, agriculture, forests and parks, air and water purity; and fish, aquaculture and wildlife are not disproportionate, either alone or cumulatively with other effects, when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application, and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Cellco Partnership d/b/a Verizon Wireless, hereinafter referred to as the Certificate Holder, for a telecommunications facility at 46 Cemetery Road, Canterbury, Connecticut.

Unless otherwise approved by the Council, the facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

1. The tower shall be constructed as a monopole at a height of 160 feet above ground level to provide the proposed wireless services, sufficient to accommodate the antennas of Cellco Partnership d/b/a Verizon Wireless and other entities, both public and private. The height of the tower may be extended after the date of this Decision and Order pursuant to regulations of the Federal Communications Commission.

2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Canterbury for comment, and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:
    a) final site plan(s) for development of the facility that employ the governing standard in the State of Connecticut for tower design in accordance with the currently adopted International Building Code and include specifications for the tower, tower foundation, antennas, and equipment compound including fencing, radio equipment, access road, utility line and emergency backup generator;
    b) relocation of the tower/compound area approximately 50 feet to the east to increase the buffer to adjacent off-site wetlands;
    c) construction plans for site clearing, grading, water drainage and stormwater control, and erosion and sedimentation controls consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended; and
    d) hours of construction.

3. Prior to the commencement of operation, the Certificate Holder shall provide the Council worst-case modeling of the electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of the electromagnetic radio frequency power density be submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

4. Upon the establishment of any new federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.

5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.

6. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed with at least one fully operational wireless telecommunications carrier providing wireless service within eighteen months from the date of the mailing of the Council's Findings of Fact, Opinion, and Decision and Order (collectively called "Final Decision"), this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline. Authority to monitor and modify this schedule, as necessary, is delegated to the Executive Director. The Certificate Holder shall provide written notice to the Executive Director of any schedule changes as soon as is practicable.

7. Any request for extension of the time period referred to in Condition 6 shall be filed with the Council not later than 60 days prior to the expiration date of this Certificate and shall be served on all parties and intervenors, as listed in the service list, and the Town of East Lyme.

8. If the facility ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council within 90 days from the one year period of cessation of service. The Certificate Holder may submit a written request to the Council for an extension of the 90 day period not later than 60 days prior to the expiration of the 90 day period.

9. Any nonfunctioning antenna, and associated antenna mounting equipment, on this facility shall be removed within 60 days of the date the antenna ceased to function.

10. In accordance with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holder shall provide the Council with written notice two weeks prior to the commencement of site construction activities. In addition, the Certificate Holder shall provide the Council with written notice of the completion of site construction, and the commencement of site operation.

11. The Certificate Holder shall remit timely payments associated with annual assessments and invoices submitted by the Council for expenses attributable to the facility under Conn. Gen. Stat. §16-50v.

12. This Certificate may be transferred in accordance with Conn. Gen. Stat. §16-50k(b), provided both the Certificate Holder/transferor and the transferee are current with payments to the Council for their respective annual assessments and invoices under Conn. Gen. Stat. §16-50v. In addition, both the

Certificate Holder/transferor and the transferee shall provide the Council a written agreement as to the entity responsible for any quarterly assessment charges under Conn. Gen. Stat. §16-50v(b)(2) that may be associated with this facility.

13. The Certificate Holder shall maintain the facility and associated equipment, including but not limited to, the tower, tower foundation, antennas, equipment compound, radio equipment, access road, utility line and landscaping in a reasonable physical and operational condition that is consistent with this Decision and Order and a Development and Management Plan to be approved by the Council.

14. If the Certificate Holder is a wholly-owned subsidiary of a corporation or other entity and is sold/transferred to another corporation or other entity, the Council shall be notified of such sale and/or transfer and of any change in contact information for the individual or representative responsible for management and operations of the Certificate Holder within 30 days of the sale and/or transfer.

15. This Certificate may be surrendered by the Certificate Holder upon written notification and approval by the Council.

We hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed in the Service List, dated September 7, 2017, and notice of issuance published in The Bulletin.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

ATTACHMENT 2

verizon

CANTERBURY SOUTH CT - B
46 CEMETERY ROAD
CANTERBURY, CT 06331

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2018 CONNECTICUT SUPPLEMENT, INCLUDING THE TIA/EIA-222 REVISION "G" STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND SUPPORTING STRUCTURES, 2017 CONNECTICUT FIRE SAFETY CODE, NATIONAL ELECTRICAL CODE, AND LOCAL CODES.
2. SHOULD ANY FIELD CONDITIONS PRECLUDE COMPLIANCE WITH THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SHALL NOT PROCEED WITH ANY AFFECTED WORK.
3. CONTRACTOR SHALL REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENT SET. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE SET OF DRAWINGS. THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF DRAWINGS TO ALL SUBCONTRACTORS AND ALL RELATED PARTIES. THE SUBCONTRACTORS SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INFORMATION THAT AFFECTS THEIR WORK.
4. CONTRACTOR SHALL PROVIDE A COMPLETE BUILD-OUT WITH ALL FINISHES, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS AND PROVIDE ALL ITEMS AS SHOWN OR INDICATED ON THE DRAWINGS OR IN THE WRITTEN SPECIFICATIONS.
5. CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK AND FURNISH A COMPLETED JOB ALL IN ACCORDANCE WITH LOCAL AND STATE GOVERNING AUTHORITIES AND OTHER AUTHORITIES HAVING LAWFUL JURISDICTION OVER THE WORK.
6. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND ALL INSPECTIONS REQUIRED AND SHALL ALSO PAY FEES REQUIRED FOR THE GENERAL CONSTRUCTION, AND ALL TRADES AS APPLICABLE PERMITS SHALL BE PAID FOR BY THE RESPECTIVE SUBCONTRACTORS.
7. CONTRACTOR SHALL MAINTAIN A CURRENT SET OF DRAWINGS AND SPECIFICATIONS ON SITE AT ALL TIMES AND INSURE DISTRIBUTION OF NEW DRAWINGS TO SUBCONTRACTORS AND OTHER RELEVANT PARTIES AS SOON AS THEY ARE MADE AVAILABLE. ALL OLD DRAWINGS SHALL BE MARKED VOID AND REMOVED FROM THE CONTRACT AREA. THE CONTRACTOR SHALL FURNISH AN "AS-BUILT" SET OF DRAWINGS TO OWNER UPON COMPLETION OF PROJECT.
8. LOCATION OF EQUIPMENT, AND WORK SUPPLIED BY OTHERS THAT IS DIAGRAMMATICALLY INDICATED ON THE DRAWINGS SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL DETERMINE LOCATIONS AND DIMENSIONS SUBJECT TO STRUCTURAL CONDITIONS AND WORK OF THE SUBCONTRACTORS.
9. THE CONTRACTOR IS SOLELY RESPONSIBLE TO DETERMINE CONSTRUCTION PROCEDURE AND SEQUENCE, AND TO ENSURE THE SAFETY OF THE EXISTING STRUCTURES AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY. MAINTAIN EXISTING BUILDING'S/PROPERTY'S OPERATIONS, COORDINATE WORK WITH BUILDING/PROPERTY OWNER.
10. DRAWINGS INDICATE THE MINIMUM STANDARDS, BUT IF ANY WORK SHOULD BE INDICATED TO BE SUBSTANDARD TO ANY ORDINANCES, LAWS, CODES, RULES, OR REGULATIONS BEARING ON THE WORK, THE CONTRACTOR SHALL INCLUDE IN HIS WORK AND SHALL EXECUTE THE WORK CORRECTLY IN ACCORDANCE WITH SUCH ORDINANCES, LAWS, CODES, RULES OR REGULATIONS WITH NO INCREASE IN COSTS.
11. ALL UTILITY WORK SHALL BE IN ACCORDANCE WITH LOCAL UTILITY COMPANY REQUIREMENTS AND SPECIFICATIONS.
12. ALL EQUIPMENT AND PRODUCTS PURCHASED ARE TO BE REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUBCONTRACTORS FOR ANY CONDITION PER MFR.'S RECOMMENDATIONS. CONTRACTOR TO SUPPLY THESE ITEMS AT NO COST TO OWNER OR CONSTRUCTION MANAGER.
13. ANY AND ALL ERRORS, DISCREPANCIES, AND "MISSED" ITEMS ARE TO BE BROUGHT TO THE ATTENTION OF THE VERIZON WIRELESS CONSTRUCTION MANAGER DURING THE BIDDING PROCESS BY THE CONTRACTOR. ALL THESE ITEMS ARE TO BE INCLUDED IN THE BID. NO "EXTRA" WILL BE ALLOWED FOR MISSED ITEMS.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE SAFETY FROM THE TIME THE JOB IS AWARDED UNTIL ALL WORK IS COMPLETE AND ACCEPTED BY THE OWNER.
15. CONTRACTOR TO REVIEW ALL SHOP DRAWINGS AND SUBMIT COPY TO ENGINEER FOR APPROVAL. DRAWINGS MUST BEAR THE CHECKER'S INITIALS BEFORE SUBMITTING TO THE CONSTRUCTION MANAGER FOR REVIEW.
16. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES, AND EXISTING CONDITIONS AT THE SITE, PRIOR TO FABRICATION AND/OR INSTALLATION OF ANY WORK IN THE CONTRACT AREA.
17. COORDINATION, LAYOUT, FURNISHING AND INSTALLATION OF CONDUIT AND ALL APPURTENANCES REQUIRED FOR PROPER INSTALLATION OF ELECTRICAL AND TELECOMMUNICATION SERVICE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
18. ALL EQUIPMENT AND PRODUCTS PURCHASED ARE TO BE REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUB- CONTRACTORS FOR ANY CONDITION PER THE MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO SUPPLY THESE ITEMS AT NO COST TO OWNER OR CONSTRUCTION MANAGER.
19. ALL DAMAGE CAUSED TO ANY EXISTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE HELD LIABLE FOR ALL REPAIRS REQUIRED FOR EXISTING STRUCTURES IF DAMAGED DURING CONSTRUCTION ACTIVITIES.
20. THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT LEAST 48 HOURS PRIOR TO ANY EXCAVATIONS AT 1-800-922-4455. ALL UTILITIES SHALL BE IDENTIFIED AND CLEARLY MARKED PRIOR TO ANY EXCAVATION WORK. CONTRACTOR SHALL MAINTAIN AND PROTECT MARKED UTILITIES THROUGHOUT PROJECT COMPLETION.

SITE DIRECTIONS

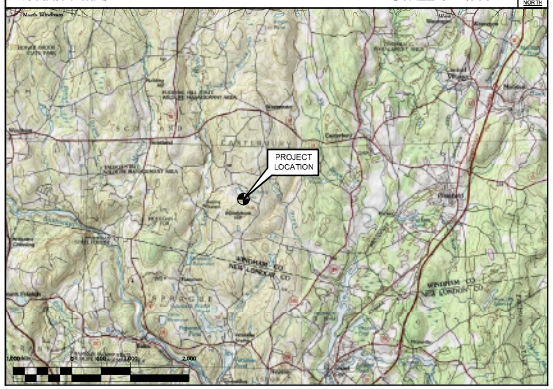
FROM: 20 ALEXANDER DRIVE, WALLINGFORD, CONNECTICUT

TO: 46 CEMETERY RD, CANTERBURY, CT 06331

1.	START OUT GOING NORTH ON ALEXANDER DR TOWARD BARNES INDUSTRIAL RD.	0.18 MI
2.	TURN RIGHT ONTO BARNES INDUSTRIAL RD.	0.11 MI
3.	TAKE FIRST RIGHT ONTO CT-68.	1.82 MI
4.	MERGE ONTO I-91 N VIA THE RAMP ON THE LEFT TOWARD HARTFORD.	17.48 MI
5.	MERGE ONTO CT-3 N VIA EXIT 25 TOWARD GLASTONBURY.	2.35 MI
6.	MERGE ONTO CT-2 E TOWARD NORWICH.	32.78 MI
7.	MERGE ONTO I-395 N VIA EXIT 28N TOWARD PROVIDENCE.	5.82 MI
8.	TAKE THE CT-169 EXIT, EXIT 19, TOWARD LISBON.	0.18 MI
9.	TURN LEFT ONTO CONNECTICUT STATE ROUTE 169/S BURNHAM HWY/CT-169.	2.53 MI
10.	TURN LEFT ONTO KIMBALL RD.	1.41 MI
11.	TURN SLIGHT LEFT ONTO SULLIVAN RD.	0.83 MI
12.	TURN RIGHT ONTO WESTMINISTER RD.	0.16 MI
13.	WESTMINISTER RD BECOMES WATER ST.	1.91 MI
14.	TURN LEFT ONTO CEMETERY RD.	0.40 MI
15.	46 CEMETERY RD, CANTERBURY, CT 06331-1362, 46 CEMETERY RD IS ON THE LEFT.	

VICINITY MAP

SCALE: 1" = 1000'



PROJECT SUMMARY

1. THE PROPOSED UPGRADE SCOPE OF WORK AT THE EXISTING UNMANNED TELECOMMUNICATIONS FACILITY GENERALLY INCLUDES THE FOLLOWING:

A. AT THE EXISTING SELF-SUPPORTING LATTICE TOWER MOUNTED ANTENNA SECTORS:

- RETAIN (6) EXISTING QUINTEL - QS6656-5 ANTENNAS.
- RETAIN (1) EXISTING 12x24 HYBRIFLEX LI CABLE.
- RETAIN (3) EXISTING QUINTEL - AS-005245 ANTENNA MOUNT.
- RETAIN (1) EXISTING OVP-12 BOX.
- RETAIN (3) EXISTING SAMSUNG - B2/B66A RRH-BR049 RADIOS.
- RETAIN (3) EXISTING SAMSUNG - B5/B13 RRH-BR04C RADIOS.
- INSTALL (3) SAMSUNG - MT6407-77A ALL-IN-ONE ANTENNA/ RRUs.

PROJECT INFORMATION

SITE NAME:	CANTERBURY SOUTH CT-B
SITE ADDRESS:	46 CEMETERY RD. CANTERBURY, CT 06331
LESSEE/TENANT:	CELLCO PARTNERSHIP d.b.a. VERIZON WIRELESS 20 ALEXANDER DRIVE WALLINGFORD, CT 06492
CONTACT PERSON:	WALTER CHARCZNSKI (CONSTRUCTION MANAGER) VERIZON WIRELESS (860) 306-1806
ENGINEER:	CENTEK ENGINEERING, INC. 63-2 NORTH BRANFORD RD. BRANFORD, CT. 06405 (203) 488-0580
PROJECT COORDINATES:	LATITUDE: 41°-40'-21.45" N LONGITUDE: 72°-1'-58.87" W COORDINATES BASED ON VERIZON WIRELESS RFDS, DATED JULY 27, 2021.

SHEET INDEX

SHT. NO.	DESCRIPTION	REV.
T-1	TITLE SHEET	0
N-1	NOTES AND SPECIFICATIONS	0
B-1	RF BILL OF MATERIALS	0
C-1	COMPOUND PLAN AND ELEVATION	0
C-2	ANTENNA SECTOR CONFIGURATION DETAILS	0
C-3	RF DETAILS	0
E-1	ELECTRICAL DETAILS AND SPECIFICATIONS	0

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
A	08/23/21	ANC	DMD	CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION
0	08/25/21	ANC	DMD	CONSTRUCTION DRAWINGS - ISSUED FOR CLIENT REVIEW

PROFESSIONAL ENGINEER SEAL

verizon

CENTEK engineering
Centered on Solutions
(203) 488-0580
(203) 488-8587 Fax
63-2 North Branford Road
Branford, CT 06405
www.CentekEng.com

Cellco Partnership d/b/a Verizon Wireless

CANTERBURY SOUTH CT-B
46 CEMETERY ROAD
CANTERBURY, CT 06331

DATE: 08/05/21
SCALE: AS NOTED
JOB NO. 21007.45

TITLE SHEET

T-1

Sheet No. 1 of 7

NOTES AND SPECIFICATIONS

DESIGN BASIS:

GOVERNING CODE: 2015 INTERNATIONAL BUILDING (IBC) AS MODIFIED BY THE 2018 CT STATE BUILDING CODE AND AMENDMENTS.

1. DESIGN CRITERIA:

- RISK CATEGORY: II (BASED ON TABLE 1604.5 OF THE 2015 IBC)
- NOMINAL DESIGN SPEED (TOWER): 101 MPH (Vasd) (EXPOSURE B/IMPORTANCE FACTOR 1.0 BASED ON ASCE 7-10) PER 2015 INTERNATIONAL BUILDING CODE (IBC) AS MODIFIED BY THE 2018 CONNECTICUT STATE BUILDING CODE.
- SEISMIC LOAD (DOES NOT CONTROL): PER ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES.

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE GOVERNING BUILDING CODE.
2. DRAWINGS INDICATE THE MINIMUM STANDARDS, BUT IF ANY WORK SHOULD BE INDICATED TO BE SUBSTANDARD TO ANY ORDINANCES, LAWS, CODES, RULES, OR REGULATIONS BEARING ON THE WORK, THE CONTRACTOR SHALL INCLUDE IN HIS WORK AND SHALL EXECUTE THE WORK CORRECTLY IN ACCORDANCE WITH SUCH ORDINANCES, LAWS, CODES, RULES OR REGULATIONS WITH NO INCREASE IN COSTS.
3. BEFORE BEGINNING THE WORK, THE CONTRACTOR IS RESPONSIBLE FOR MAKING SUCH INVESTIGATIONS CONCERNING PHYSICAL CONDITIONS (SURFACE AND SUBSURFACE) AT OR CONTIGUOUS TO THE SITE WHICH MAY AFFECT PERFORMANCE AND COST OF THE WORK.
4. DIMENSIONS AND DETAILS SHALL BE CHECKED AGAINST EXISTING FIELD CONDITIONS.
5. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS, SLEEVES AND ANCHOR BOLTS AS REQUIRED BY ALL TRADES.
6. ALL DIMENSIONS, ELEVATIONS, AND OTHER REFERENCES TO EXISTING STRUCTURES, SURFACE, AND SUBSURFACE CONDITIONS ARE APPROXIMATE. NO GUARANTEE IS MADE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS, ELEVATIONS, ANGLES WITH EXISTING CONDITIONS AND WITH ARCHITECTURAL AND SITE DRAWINGS BEFORE PROCEEDING WITH ANY WORK.
7. AS THE WORK PROGRESSES, THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY CONDITIONS WHICH ARE IN CONFLICT OR OTHERWISE NOT CONSISTENT WITH THE CONSTRUCTION DOCUMENTS AND SHALL NOT PROCEED WITH SUCH WORK UNTIL THE CONFLICT IS SATISFACTORILY RESOLVED.
8. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING AND MAINTAINING ADEQUATE SHORING, BRACING, AND BARRICADES AS MAY BE REQUIRED FOR THE PROTECTION OF EXISTING PROPERTY, CONSTRUCTION WORKERS, AND FOR PUBLIC SAFETY.
9. THE CONTRACTOR IS SOLELY RESPONSIBLE TO DETERMINE CONSTRUCTION PROCEDURE AND SEQUENCE, AND TO ENSURE THE SAFETY OF THE EXISTING STRUCTURES AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY. MAINTAIN EXISTING SITE OPERATIONS, COORDINATE WORK WITH NORTHEAST UTILITIES
10. ALL DAMAGE CAUSED TO ANY EXISTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE HELD LIABLE FOR ALL REPAIRS REQUIRED FOR EXISTING STRUCTURES IF DAMAGED DURING CONSTRUCTION ACTIVITIES.
11. REFER TO DRAWING T1 FOR ADDITIONAL NOTES AND REQUIREMENTS.

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
A	08/23/21	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION
-	08/25/21	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CLIENT REVIEW

PROFESSIONAL ENGINEER SEAL

verizon

CENTEK engineering
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Cellco Partnership d/b/a Verizon Wireless

CANTERBURY SOUTH CT-B

46 CEMETERY ROAD
CANTERBURY, CT 06331

DATE: 08/05/21
SCALE: AS NOTED
JOB NO. 21007.45

NOTES AND SPECIFICATIONS

N-1

Sheet No. 2 of 7

PLUMBING DIAGRAM NOTES:

1. PORTS 1 & 2 ARE FOR LOW BAND (698–896 MHz).
2. PORTS 3, 4, 5 & 5 ARE FOR HIGH BAND (1695–2360 MHz).
3. SMART BIAS TEE (SBT) IS THROUGH ANTENNA PORTS 1 & 3 (1 FOR LOW BAND AND 3 FOR HIGH BAND).
4. AISG CABLE IS ONLY NEEDED WHEN DRAWN IN THE DIAGRAMS ABOVE. IF IT IS NOT DRAWN THEN SBT IS ENOUGH TO CONTROL ALL RET MOTORS.
5. NOT ALL SBT PORTS ARE NEEDED TO CONTROL RET. ONLY GREEN PORT CONNECTION TO GREEN PORT WILL CONTROL RET.

RET DC SIGNAL PASS FOR RET
(PORT THAT WILL CONTROL RET)

PLUMBING DIAGRAM COMMENTS:

A. DIAGRAMS SHOW ANTENNA PORT CONFIGURATIONS AS VIEWED FROM BELOW ANTENNAS.

B. ANTENNA POSITIONS ARE INDICATED AS VIEWED FROM IN FRONT OF ANTENNAS.

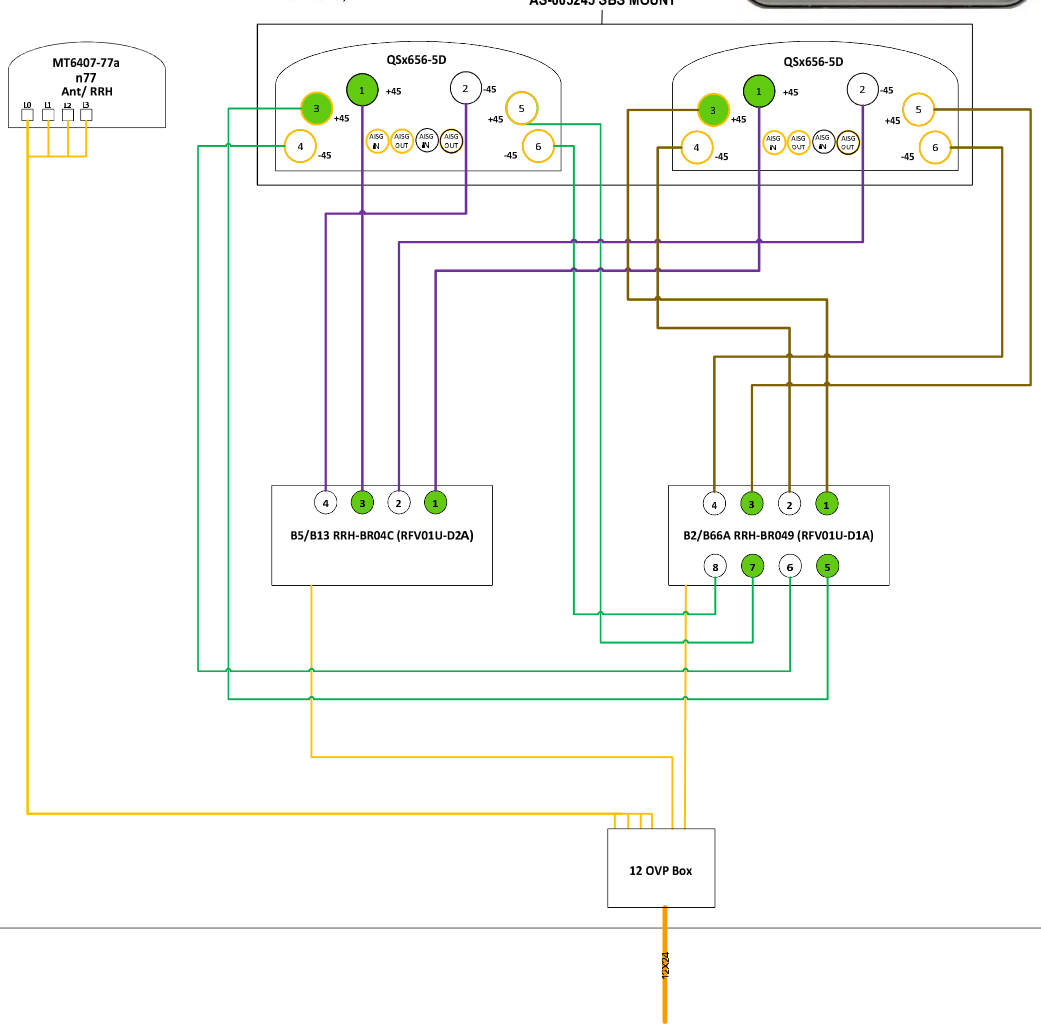
C. CAP AND WEATHERPROOF UNUSED ANTENNA PORTS.

D. ALL PLUMBING DIAGRAM COLORS ARE IRRELEVANT EXCEPT FOR AISG AND HYBRIFLEX CABLE. (FOR THE COAX COLORS, FOLLOW COAX COLORS GUIDE ABOVE)

DC SIGNAL CAPABLE PORT

AISG CABLE

RET DC SIGNAL PASS FOR RET (PORT THAT WILL CONTROL RET)



NOTES:

1. INFORMATION SHOWN HEREIN IS FOR USE BY VERIZON WIRELESS EQUIPMENT OPERATIONS.
2. THIS B.O.M. DRAWING IS BASED OFF FACILITY UPGRADE DESIGN DRAWINGS PREPARED BY CENTEK ENGINEERING (REV.0 DATED: 08.25.21), & VERIZON WIRELESS RF ANTENNA EQUIPMENT RECOMMENDATION (DATED 07.27.21).

BILL OF MATERIALS

TECHNOLOGY	QUANTITY	ANTENNA
5G	3	SAMSUNG ANTENNA MODEL: MT6407-77A

CABLES	QUANTITY	LENGTH	COMMENTS
–	–	–	–

RADIOS	QUANTITY	COMMENTS
5G	3	SAMSUNG MODEL: MT6407-77A

DIPLEXERS	QUANTITY	COMMENTS
–	–	–

OVP BOXES	QUANTITY	COMMENTS
–	–	–

ANTENNA MOUNT	QUANTITY	COMMENTS
–	–	–

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
A	08/23/21	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION
0	08/25/21	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CLIENT REVIEW

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verizon

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Cellco Partnership d/b/a Verizon Wireless

CANTERBURY SOUTH CT-B

46 CEMETERY ROAD
CANTERBURY, CT 06331

DATE: 08/05/21
SCALE: AS NOTED
JOB NO. 21007.45

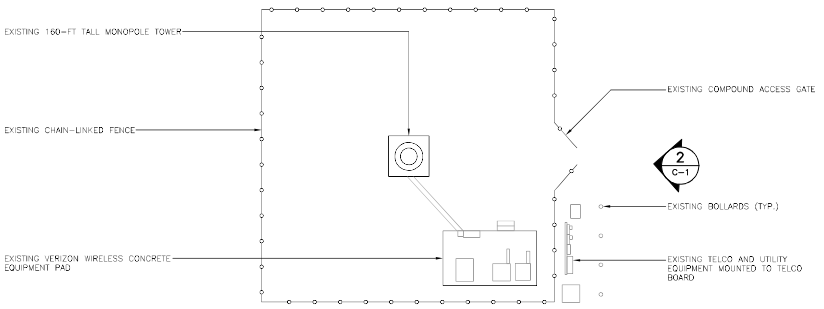
RF BILL OF MATERIALS

B-1

Sheet No. 3 of 7

STRUCTURAL NOTE:

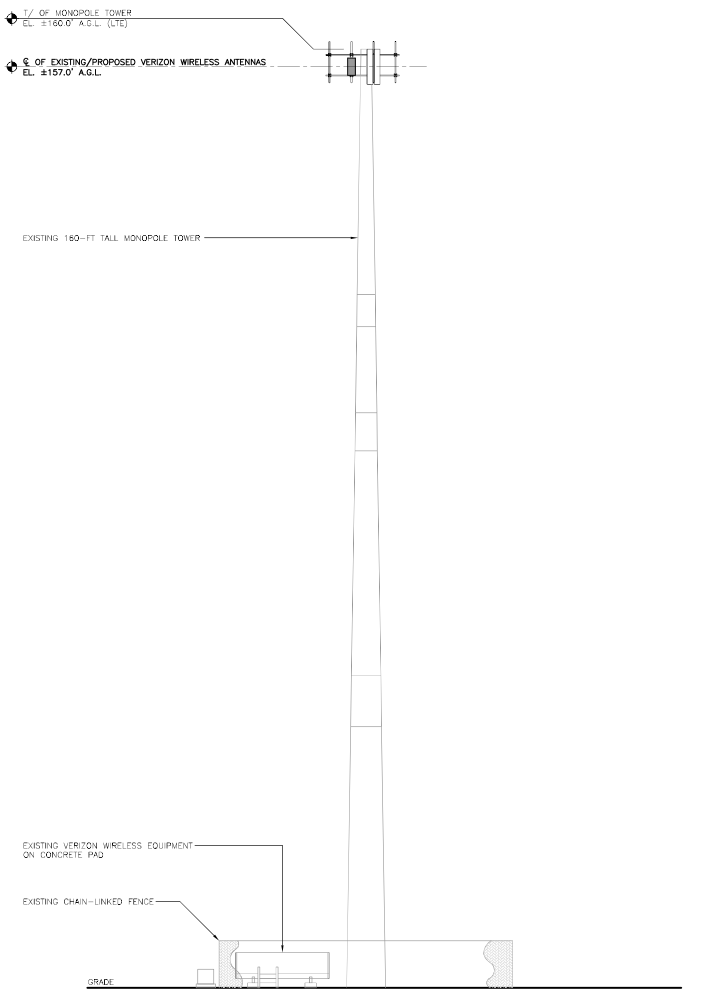
1. REFER TO PASSING TOWER STRUCTURAL ANALYSIS REPORT PREPARED BY CENTEK ENGINEERING DATED 08/19/2021. CENTEK PROJECT NO. 21007.45 FOR ADDITIONAL INFORMATION.



1 C-1 **COMPOUND PLAN**
SCALE: 1" = 10'

APPROXIMATE NORTH

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.



2 C-1 **EAST ELEVATION - PROPOSED**
SCALE: 1" = 10'

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
A	08/13/21	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION
-	08/25/21	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CLIENT REVIEW

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46 CEMETERY ROAD
CANTERBURY, CT 06331

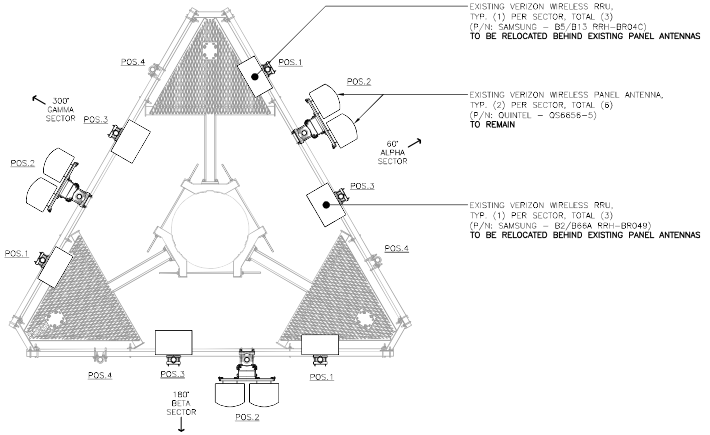
DATE: 08/05/21
SCALE: AS NOTED
JOB NO. 21007.45

COMPOUND PLAN AND ELEVATION

C-1

Sheet No. 4 of 7

EXISTING ANTENNA CONFIGURATIONS



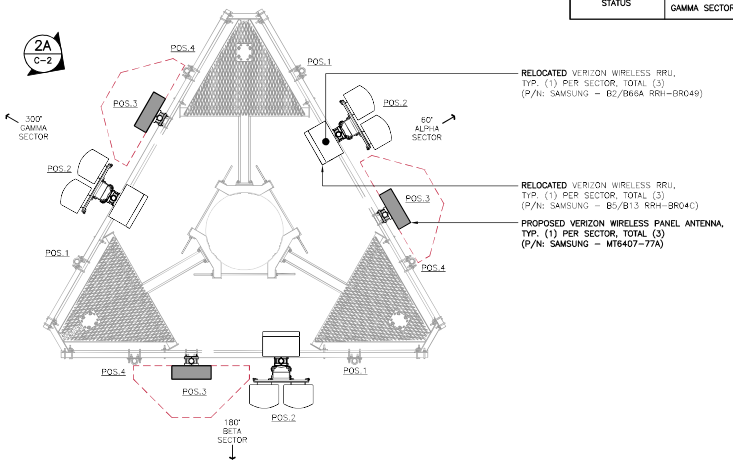
1 / C–2 **EXISTING SECTOR CONFIGURATION PLAN**
SCALE: 1/2" = 1'–0"

PROPOSED ANTENNA CONFIGURATIONS

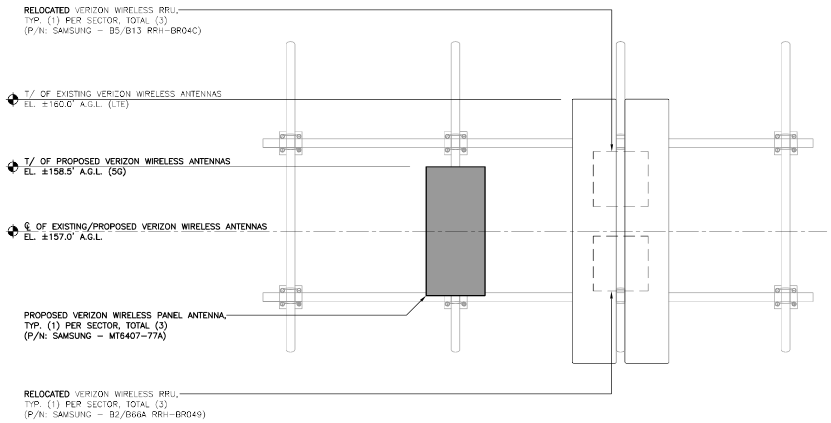
LEGEND	
– – – –	VERIZON WIRELESS MT6407–77A REQUIRED ANTENNA CLEARANCE LIMITS (PER DETAILS ON SHEET C–3)
ANTENNA CLEARANCE STATUS	ALPHA SECTOR: COMPLIANT BETA SECTOR: COMPLIANT GAMMA SECTOR: COMPLIANT

ANTENNA MOUNT ANALYSIS NOTE:

REFER TO PASSING VERIZON WIRELESS MOUNT ANALYSIS REPORT PREPARED BY MASER CONSULTING CONNECTICUT DATED 8/05/2021 FOR ADDITIONAL INFORMATION.



2 / C–2 **PROPOSED SECTOR CONFIGURATION PLAN**
SCALE: 1/2" = 1'–0"



TYPICAL SECTOR

2A / C–2 **PROPOSED SECTOR CONFIGURATION ELEVATION**
SCALE: 1/2" = 1'–0"

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
0	08/23/21	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION
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ANTENNA SECTOR CONFIGURATION DETAILS

C-2
Sheet No. 5 of 7

ANTENNA FRONT

ALL-IN-ONE SECTOR ANTENNA		
EQUIPMENT	DIMENSIONS	WEIGHT
MAKE: SAMSUNG MODEL: MT6407-77A	35.1"h x 16.1"W x 5.5"D (NOT TO EXCEED)	87 LBS. (NOT TO EXCEED)
CLEARANCES AND SERVICE AREA		
TOP: 31.5"	HORIZONTAL DISTANCE: (ANT. TO ANT.) 31.5"	
FRONT, SIDES & BOTTOM: 15.7"	VERTICAL DISTANCE: (ANT. TO ANT.) 63.0"	
NOTES: 1. THIS ANTENNA HAS ITS OWN BUILT-IN RRH.		

1 / C-3 **ALL-IN-ONE SECTOR ANTENNA DETAIL**
NOT TO SCALE

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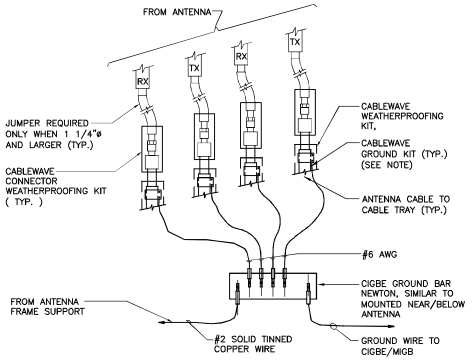
SCALE: AS NOTED
JOB NO. 21007.45

RF DETAILS

C-3

Sheet No. 6 of 7



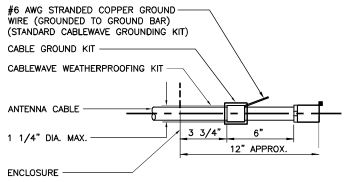
NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO CIGBE

1 E-1 CONNECTION OF GROUND WIRES TO GROUND BAR

NOT TO SCALE

EACH RRH CABINET SHALL BE GROUNDED IN THE FOLLOWING MANNER:

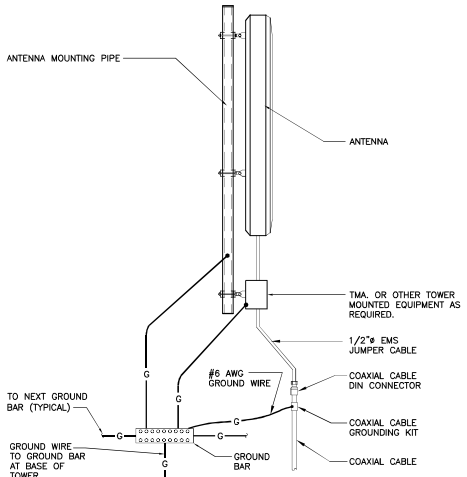


NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.

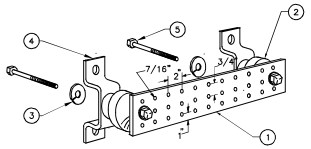
3 E-1 ANTENNA CABLE GROUNDING DETAIL

NOT TO SCALE



4 E-1 TYPICAL ANTENNA GROUNDING DETAIL

NOT TO SCALE



NOTES

1. TINNED COPPER GROUND BAR, 1/4" x 4" x 20", NEWTON INSTRUMENT CO. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION.
2. INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4.
3. 5/8" LOCK WASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8.
4. WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT NO. A-6056.
5. 5/8-11 x 1" STAINLESS STEEL TRUSS SPANNER MACHINE SCREWS.

5 E-1 GROUND BAR DETAIL

NOT TO SCALE

ELECTRICAL SPECIFICATIONS

SECTION 16010

1.01. SCOPE OF WORK

A. WORK SHALL INCLUDE ALL LABOR, EQUIPMENT AND SERVICES REQUIRED TO COMPLETE (MAKE READY FOR OPERATION) ALL THE ELECTRICAL WORK INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

1. CELLULAR GROUNDING SYSTEMS CONSISTING OF ANTENNA GROUNDING, GROUND BARS, ETC.

1.02. GENERAL REQUIREMENTS

A. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE MADE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES AND REGULATIONS WHICH MAY APPLY AND NOTHING IN THE DRAWINGS OR SPECIFICATIONS SHALL BE INTERPRETED AS AN INFRINGEMENT OF SUCH CODES OR REGULATIONS.

B. THE ELECTRICAL CONTRACTOR IS TO BE RESPONSIBLE FOR THE COMPLETE INSTALLATION AND COORDINATION OF THE ENTIRE ELECTRICAL SERVICE. ALL ACTIVITIES TO BE COORDINATED THROUGH OWNERS REPRESENTATIVE, DESIGN ENGINEER AND OTHER AUTHORITIES HAVING JURISDICTION OF TRADES.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND PAY ALL FEES THAT MAY BE REQUIRED FOR THE ELECTRICAL WORK AND FOR SCHEDULING OF ALL INSPECTIONS THAT MAY BE REQUIRED BY THE LOCAL AUTHORITY.

D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE BUILDING OWNER FOR NEW AND/OR DEMOLITION WORK INVOLVED.

E. NO MATERIAL OTHER THAN THAT CONTAINED IN THE "LATEST LIST OF ELECTRICAL FITTINGS" APPROVED BY THE UNDERWRITERS' LABORATORIES, SHALL BE USED IN ANY PART OF THE WORK. ALL MATERIAL FOR WHICH LABEL SERVICE HAS BEEN ESTABLISHED SHALL BEAR THE U.L. LABEL.

F. THE CONTRACTOR SHALL GUARANTEE ALL NEW WORK FOR A PERIOD OF ONE YEAR FROM THE ACCEPTANCE DATE BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WARRANTIES FROM ALL EQUIPMENT MANUFACTURERS FOR SUBMISSION TO THE OWNER.

G. DRAWINGS INDICATE GENERAL ARRANGEMENT OF WORK INCLUDED IN CONTRACT. CONTRACTOR SHALL, WITHOUT EXTRA CHARGE, MAKE MODIFICATIONS TO THE LAYOUT OF THE WORK TO PREVENT CONFLICT WITH WORK OF OTHER TRADES AND FOR THE PROPER INSTALLATION OF WORK. CHECK ALL DRAWINGS AND VISIT JOB SITE TO VERIFY SPACE AND TYPE OF EXISTING CONDITIONS IN WHICH WORK WILL BE DONE, PRIOR TO SUBMITTAL OF BID.

H. THE ELECTRICAL CONTRACTOR SHALL SUPPLY THREE (3) COMPLETE SETS OF APPROVED DRAWINGS, ENGINEERING DATA SHEETS, MAINTENANCE AND OPERATING INSTRUCTION MANUALS FOR ALL SYSTEMS AND THEIR RESPECTIVE EQUIPMENT. THESE MANUALS SHALL BE INSERTED IN VINYL COVERED 3-RING BINDERS AND TURNED OVER TO OWNER'S REPRESENTATIVE ONE (1) WEEK PRIOR TO FINAL PUNCH LIST.

I. ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER AND WILL BE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE.

J. ALL EQUIPMENT AND MATERIALS TO BE INSTALLED SHALL BE NEW, UNLESS OTHERWISE NOTED.

K. BEFORE FINAL PAYMENT, THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF PRINTS (AS-BUILTS), LEGIBLY MARKED IN RED PENCIL TO SHOW ALL CHANGES FROM THE ORIGINAL PLANS.

L. ENTIRE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH OWNER'S SPECIFICATIONS, AND REQUIREMENTS OF ALL LOCAL AUTHORITIES HAVING JURISDICTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH APPROPRIATE INDIVIDUALS TO OBTAIN ALL SUCH SPECIFICATIONS AND REQUIREMENTS. NOTHING CONTAINED IN, OR OMITTED FROM, THESE DOCUMENTS SHALL RELIEVE CONTRACTOR FROM THIS OBLIGATION.

SECTION 16450

1.01. GROUNDING

A. ALL NON-CURRENT CARRYING PARTS OF THE ELECTRICAL AND TELEPHONE CONDUIT SYSTEMS SHALL BE MECHANICALLY AND ELECTRICALLY CONNECTED TO PROVIDE AN INDEPENDENT RETURN PATH TO THE EQUIPMENT GROUNDING SOURCES.

B. GROUNDING SYSTEM WILL BE IN ACCORDANCE WITH THE LATEST ACCEPTABLE EDITION OF THE NATIONAL ELECTRICAL CODE AND REQUIREMENTS PER LOCAL INSPECTOR HAVING JURISDICTION.

C. EQUIPMENT GROUNDING CONDUCTOR:

1. EACH EQUIPMENT GROUND CONDUCTOR SHALL BE SIZED IN ACCORDANCE WITH THE N.E.C. ARTICLE 250-122.

2. THE MINIMUM SIZE OF EQUIPMENT GROUND CONDUCTOR SHALL BE #12 AWG COPPER.

D. CELLULAR GROUNDING SYSTEM:

PROVIDE THE CELLULAR GROUNDING SYSTEM AS SPECIFIED ON DRAWINGS, INCLUDING, BUT NOT LIMITED TO:

1. GROUND BARS
2. ANTENNA GROUND CONNECTIONS AND PLATES.

E. ALL EQUIPMENT SHALL BE BONDED TO GROUND AS REQUIRED BY N.E.C., MFG. SPECIFICATIONS, AND OWNER'S SPECIFICATIONS.

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DATE: 08/05/21

SCALE: AS NOTED

JOB NO. 21007.45

E-1

Sheet No. 7 of 7

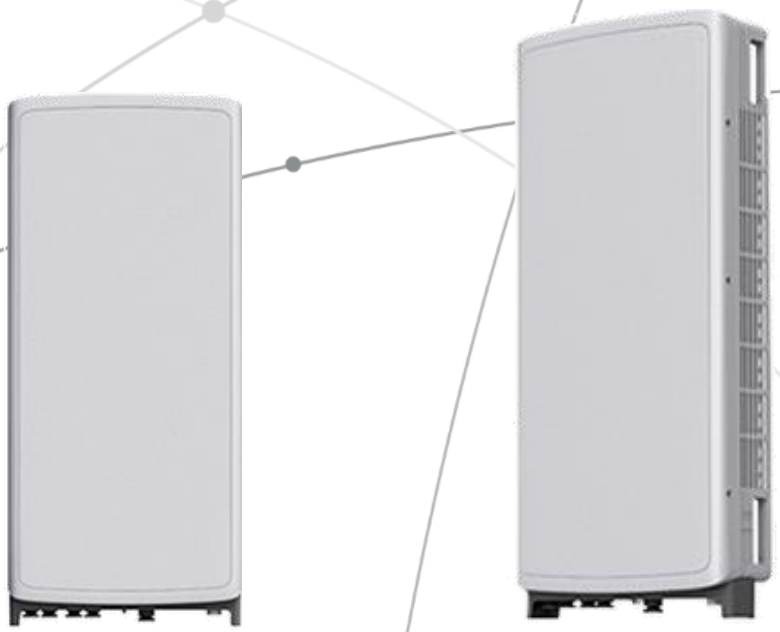
SAMSUNG

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

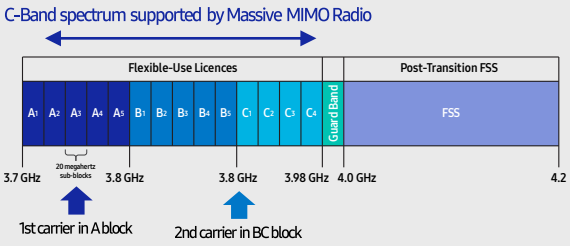


Points of Differentiation

Wide Bandwidth

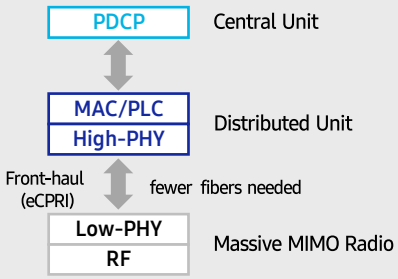
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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.

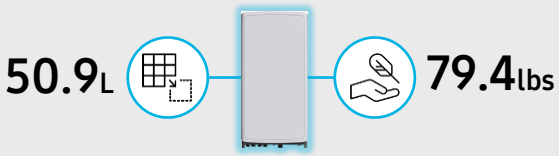
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

ATTACHMENT 3

Site Name: ***CANTERBURY SOUTH CT***

Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	517	2067	157	0.0030	0.5007	0.60%
VZW Cellular	874	4	535	2138	157	0.0031	0.5827	0.54%
VZW PCS	1977.5	4	1203	4813	157	0.0070	1.0000	0.70%
VZW AWS	2120	4	1357	5430	157	0.0079	1.0000	0.79%
VZW CBAND	3730.08	4	6531	26125	157	0.0381	1.0000	3.81%

Total Percentage of Maximum Permissible Exposure 6.44%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

MHz = Megahertz

mW/cm^2 = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.

ATTACHMENT 4

CENTEK engineering

Centered on Solutions℠

Structural Analysis Report

160-ft Existing Sabre Monopole

Proposed Verizon
Antenna Upgrade

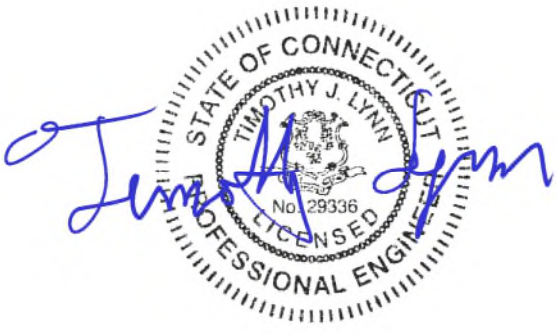
Site Ref: Canterbury South

46 Cemetery Road
Canterbury, CT

CENTEK Project No. 21007.45

Date: August 19, 2021

Max Stress Ratio = 42%



Prepared for:

Verizon Wireless
20 Alexander Drive
Wallingford, CT 06492

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- ANTENNA AND APPURTENANCE SUMMARY
- PRIMARY ASSUMPTIONS USED IN THE ANALYSIS
- ANALYSIS
- TOWER LOADING
- TOWER CAPACITY
- FOUNDATION AND ANCHORS
- CONCLUSION

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- STANDARD ENGINEERING CONDITIONS
- GENERAL DESCRIPTION OF STRUCTURAL ANALYSIS PROGRAM

SECTION 3 – CALCULATIONS

- tnxTower INPUT/OUTPUT SUMMARY
- tnxTower DETAILED OUTPUT
- ANCHOR BOLT AND BASEPLATE ANALYSIS
- MathCAD CAISSON FOUNDATION ANALYSIS

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- RF DATA SHEET

Introduction

The purpose of this report is to summarize the results of the non-linear, P-Δ structural analysis of the antenna upgrade proposed by Verizon on the existing monopole (tower) located in Canterbury, Connecticut.

The host tower is a 160-ft tall, four-section, eighteen sided, tapered monopole, originally designed and manufactured by Sabre Industries job no. 20-2374-RAM dated August 22, 2019. The tower geometry and structure member sizes were obtained from the aforementioned documents. Antenna and appurtenance information were obtained from a Verizon RF data sheet.

The tower is made up of four (4) tapered vertical sections consisting of A572-65 pole sections. The vertical tower sections are slip joint connected. The diameter of the pole (flat-flat) is 21.28-in at the top and 78.5-in at the base.

Antenna and Appurtenance Summary

The existing, proposed and future loads considered in this analysis consist of the following:

- VERIZON (EXISTING TO REMAIN):
  Antennas: Six (6) Quintel QS6656-5 panel antennas, three (3) Samsung B2/B66A RRH-BR049 remote radio heads, three (3) Samsung B5/B13 RRH-BR04C remote radio heads and one (1) OVP Box mounted on a platform w/ handrail with a RAD center elevation of 157-ft above grade.
  Coax Cables: One (1) 12x24 Hybrid cable running on the inside of the existing tower.
- **VERIZON (PROPOSED):**
  Antennas: Three (3) Samsung MT6407-77A panel antennas mounted on a platform w/ handrail with a RAD center elevation of 157-ft above grade.

Primary Assumptions Used in the Analysis

- The tower structure's theoretical capacity not including any assessment of the condition of the tower.
- The tower carries the horizontal and vertical loads due to the weight of antennas, ice load and wind.
- Tower is properly installed and maintained.
- Tower is in plumb condition.
- Tower loading for antennas and mounts as listed in this report.
- All bolts are appropriately tightened providing the necessary connection continuity.
- All welds are fabricated with ER-70S-6 electrodes.
- All members are assumed to be as specified in the original tower design documents or reinforcement drawings.
- All members are "hot dipped" galvanized in accordance with ASTM A123 and ASTM A153 Standards.
- All member protective coatings are in good condition.
- All tower members were properly designed, detailed, fabricated, installed and have been properly maintained since erection.
- Any deviation from the analyzed antenna loading will require a new analysis for verification of structural adequacy.
- All coax cables to be installed as indicated in this report.

Analysis

The existing tower was analyzed using a comprehensive computer program entitled tnxTower. The program analyzes the tower, considering the worst case loading condition. The tower is considered as loaded by concentric forces along the tower, and the model assumes that the tower members are subjected to bending, axial, and shear forces.

The existing tower was analyzed for the controlling basic wind speed (3-second gust) with no ice and the applicable wind and ice combination to determine stresses in members as per guidelines of TIA-222-G-2005 entitled "Structural Standard for Antenna Support Structures and Antennas", the American Institute of Steel Construction (AISC) and the Manual of Steel Construction; Load and Resistance Factor Design (LRFD).

The controlling wind speed is determined by evaluating the local available wind speed data as provided in Appendix N of the CSBC[1] and the wind speed data available in the TIA-222-G-2005 Standard.

Tower Loading

Tower loading was determined by the basic wind speed as applied to projected surface areas with modification factors per TIA-222-G-2005, gravity loads of the tower structure and its components, and the application of 0.75" radial ice on the tower structure and its components.

Basic Wind Speed:	Canterbury; v = 101 mph (Vasd)	*[Appendix N of the 2018 CT Building Code]*
Load Cases:	Load Case 1; 101 mph wind speed w/ no ice plus gravity load – used in calculation of tower stresses and rotation.	*[Appendix N of the 2018 CT Building Code]*
	Load Case 2; 50 mph wind speed w/ 0.75" radial ice plus gravity load – used in calculation of tower stresses.	*[Annex B of TIA-222-G-2005]*

[1] The 2015 International Building Code as amended by the 2018 Connecticut State Building Code (CSBC).

Tower Capacity

- Calculated stresses were found to be within allowable limits. This tower was found to be at **18.5%** of its total capacity.

Tower Section	Elevation (AGL)	Stress Ratio (percentage of capacity)	Result
Pole Shaft (L4)	1.00'-45.50'	18.5%	**PASS**

Foundation and Anchors

The existing foundation consists of a one (1) 10-ft diameter x 4.5-ft tall pier on a 34-ft square x 2.5-ft thick reinforced concrete mat. The existing foundation properties were obtained from the aforementioned design documents. The base of the tower is connected to the foundation by means of (28) 2.25"∅, ASTM A615-75 anchor bolts embedded approximately 6-ft into the concrete foundation structure.

- The tower base reactions developed from the governing Load Case were used in the verification of the foundation and its anchors:

Location	Vector	Proposed Reactions
Base	Shear	26 kips
	Compression	60 kips
	Moment	2258 kip-ft

- The foundation was found to be within allowable limits.

Foundation	Design Limit	TIA-222-G Section 9.4 FS[(1)]	Proposed Loading (FS)[(1)]	Result
Reinforced Concrete Pad and Pier	OTM[(2)]	1.0	5.91	**PASS**

Note 1: FS denotes Factor of Safety.
Note 2: OTM denotes Overturning Moment

The anchor bolts and base plate were found to be within allowable limits.

Tower Component	Design Limit	Stress Ratio (percentage of capacity)	Result
Anchor Bolts	Tension	15.1%	**PASS**
Base Plate	Bending	41.8%	**PASS**

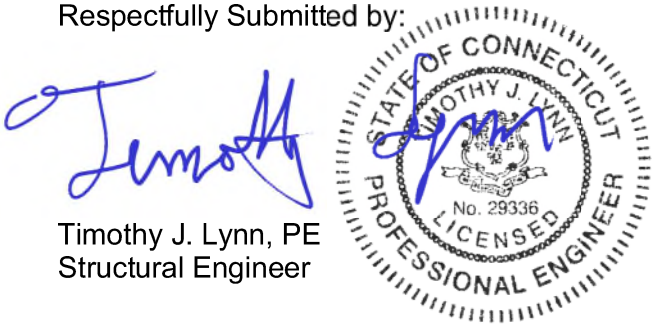
Conclusion

This analysis shows that the subject tower **is adequate** to support the proposed modified antenna configuration.

The analysis is based, in part, on the information provided to this office by Verizon. If the existing conditions are different than the information in this report, Centek Engineering, Inc. must be contacted for resolution of any potential issues.

Please feel free to call with any questions or comments.

Respectfully Submitted by:



Timothy J. Lynn, PE
Structural Engineer

Standard Conditions for Furnishing of Professional Engineering Services on Existing Structures

All engineering services are performed on the basis that the information used is current and correct. This information may consist of, but is not necessarily limited to:

- Information supplied by the client regarding the structure itself, its foundations, the soil conditions, the antenna and feed line loading on the structure and its components, or other relevant information.
- Information from the field and/or drawings in the possession of Centek Engineering, Inc. or generated by field inspections or measurements of the structure.
- It is the responsibility of the client to ensure that the information provided to Centek Engineering, Inc. and used in the performance of our engineering services is correct and complete. In the absence of information to the contrary, we assume that all structures were constructed in accordance with the drawings and specifications and are in an un-corroded condition and have not deteriorated. It is therefore assumed that its capacity has not significantly changed from the “as new” condition.
- All services will be performed to the codes specified by the client, and we do not imply to meet any other codes or requirements unless explicitly agreed in writing. If wind and ice loads or other relevant parameters are to be different from the minimum values recommended by the codes, the client shall specify the exact requirement. In the absence of information to the contrary, all work will be performed in accordance with the latest revision of ANSI/ASCE10 & ANSI/EIA-222
- All services performed, results obtained, and recommendations made are in accordance with generally accepted engineering principles and practices. Centek Engineering, Inc. is not responsible for the conclusions, opinions and recommendations made by others based on the information we supply.

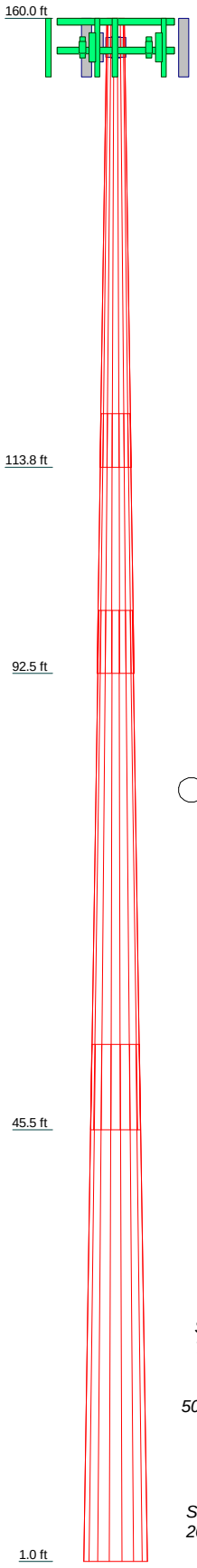
GENERAL DESCRIPTION OF STRUCTURAL ANALYSIS PROGRAM

tnxTower, is an integrated structural analysis and design software package for Designed specifically for the telecommunications industry, tnxTower, formerly ERITower, automates much of the tower analysis and design required by the TIA/EIA 222 Standard.

tnxTower Features:

- tnxTower can analyze and design 3- and 4-sided guyed towers, 3- and 4-sided self-supporting towers and either round or tapered ground mounted poles with or without guys.
- The program analyzes towers using the TIA-222-G (2005) standard or any of the previous TIA/EIA standards back to RS-222 (1959). Steel design is checked using the AISC ASD 9th Edition or the AISC LRFD specifications.
- Linear and non-linear (P-delta) analyses can be used in determining displacements and forces in the structure. Wind pressures and forces are automatically calculated.
- Extensive graphics plots include material take-off, shear-moment, leg compression, displacement, twist, feed line, guy anchor and stress plots.
- tnxTower contains unique features such as True Cable behavior, hog rod take-up, foundation stiffness and much more.

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	46.250	18	0.438	5.500	21.280	38.760		6.5
2	26.750	18	0.500	6.500	35.806	45.920		5.8
3	53.500	18	0.500	8.750	42.462	62.680	A572-65	15.0
4	53.250	18	0.500		58.373	78.500		19.5



ALL REACTIONS ARE FACTORED

AXIAL 82 K

SHEAR 7 K

MOMENT 642 kip-ft

TORQUE 0 kip-ft
50 mph WIND - 0.750 in ICE

AXIAL 60 K

SHEAR 26 K

MOMENT 2258 kip-ft

TORQUE 0 kip-ft
REACTIONS - 101 mph WIND

DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
SitePro 12' Handrail Kit HRK12 (Verizon - Existing)	160	B5/B13 RRH (Verizon - Existing)	157
		(2) QS6656-5 (Verizon - Existing)	157
MT6407-77A (Verizon - Proposed)	157	MT6407-77A (Verizon - Proposed)	157
B2/B66A RRH (Verizon - Existing)	157	B2/B66A RRH (Verizon - Existing)	157
B5/B13 RRH (Verizon - Existing)	157	B5/B13 RRH (Verizon - Existing)	157
(2) QS6656-5 (Verizon - Existing)	157	DB-T1-6Z-8AB-0Z (Verizon - Existing)	157
MT6407-77A (Verizon - Proposed)	157	(2) QS6656-5 (Verizon - Existing)	157
B2/B66A RRH (Verizon - Existing)	157	SitePro RMQP-496 (Verizon - Existing)	157

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower designed for Exposure C to the TIA-222-G Standard.
2. Tower designed for a 101 mph basic wind in accordance with the TIA-222-G Standard.
3. Tower is also designed for a 50 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 60 mph wind.
5. Tower Structure Class II.
6. Topographic Category 1 with Crest Height of 0.000 ft
7. Weld together tower sections have flange connections.
8. Connections use galvanized A325 bolts, nuts and locking devices. Installation per TIA/EIA-222 and AISC Specifications.
9. Tower members are "hot dipped" galvanized in accordance with ASTM A123 and ASTM A153 Standards.
10. Welds are fabricated with ER-70S-6 electrodes.
11. TOWER RATING: 18.5%

Centek Engineering Inc.
63-2 North Branford Rd.
Branford, CT 06405
Phone: (203) 488-0580
FAX: (203) 488-8587

Job:	***21007.45 - Canterbury South***		
Project:	***160' Sabre Monopole - 46 Cemetery Road Canterbury, CT***		
Client: Verizon Wireless	Drawn by: TJL	App'd:	
Code: TIA-222-G	Date: 08/19/21	Scale: NTS	
Path: J:\Jobs\2100700.WI\45_Canterbury South CT\05_Structural\Backup Documentation\tnxTower\160' Sabre Monopole_Canterbury.eri		Dwg No. E-1	

Tower Input Data

The tower is a monopole.
This tower is designed using the TIA-222-G standard.
The following design criteria apply:

Basic wind speed of 101 mph.
Structure Class II.
Exposure Category C.
Topographic Category 1.
Crest Height 0.000 ft.
Nominal ice thickness of 0.750 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
Weld together tower sections have flange connections..
Connections use galvanized A325 bolts, nuts and locking devices. Installation per TIA/EIA-222 and AISC Specifications..
Tower members are "hot dipped" galvanized in accordance with ASTM A123 and ASTM A153 Standards..
Welds are fabricated with ER-70S-6 electrodes..
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	160.000-113.750	46.250	5.500	18	21.280	38.760	0.438	1.750	A572-65 (65 ksi)
L2	113.750-92.500	26.750	6.500	18	35.806	45.920	0.500	2.000	A572-65 (65 ksi)
L3	92.500-45.500	53.500	8.750	18	42.462	62.680	0.500	2.000	A572-65 (65 ksi)
L4	45.500-1.000	53.250		18	58.373	78.500	0.500	2.000	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	21.541	28.942	1588.444	7.399	10.810	146.939	3178.978	14.474	2.975	6.801
	39.290	53.216	9873.791	13.604	19.690	501.460	19760.574	26.613	6.052	13.833
L2	38.393	56.031	8824.109	12.534	18.190	485.118	17659.830	28.021	5.422	10.844
	46.551	72.082	18786.928	16.124	23.327	805.360	37598.576	36.048	7.202	14.404
L3	45.535	66.594	14814.853	14.897	21.571	686.797	29649.200	33.304	6.593	13.187
	63.570	98.680	48202.163	22.074	31.841	1513.819	96467.752	49.349	10.152	20.303
L4	62.555	91.845	38864.334	20.545	29.654	1310.607	77779.807	45.931	9.394	18.787
	79.634	123.786	95147.676	27.690	39.878	2385.969	190420.550	61.905	12.936	25.872

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 160.000-113.750				1	1	1			
L2 113.750-92.500				1	1	1			
L3 92.500-45.500				1	1	1			
L4 45.500-1.000				1	1	1			

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
HYBRIFLEX 1-5/8" (Verizon - Existing)	C	No	Yes	Inside Pole	158.000 - 4.000	1	No Ice	0.000	0.002
							1/2" Ice	0.000	0.002
							1" Ice	0.000	0.002

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	160.000-113.750	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.084
L2	113.750-92.500	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.040
L3	92.500-45.500	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.089
L4	45.500-1.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.079

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	160.000-113.750	A	1.727	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.084
L2	113.750-92.500	A	1.680	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.040
L3	92.500-45.500	A	1.613	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.089
L4	45.500-1.000	A	1.449	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.079

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(2) QS6656-5	A	From Leg	3.000	0.000	157.000	No Ice	8.133	6.800	0.100
(Verizon - Existing)			2.000			1/2" Ice	8.590	7.267	0.157
			0.000			1" Ice	9.053	7.723	0.221
MT6407-77A	A	From Leg	3.000	0.000	157.000	No Ice	4.709	1.840	0.000
(Verizon - Proposed)			-2.000			1/2" Ice	4.997	2.063	0.029
			0.000			1" Ice	5.293	2.292	0.063
B2/B66A RRH	A	From Leg	3.000	0.000	157.000	No Ice	2.537	1.610	0.060
(Verizon - Existing)			0.000			1/2" Ice	2.750	1.791	0.080
			0.000			1" Ice	2.970	1.978	0.103

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
B5/B13 RRH	A	From Leg	3.000	0.000	157.000	No Ice	1.865	1.016	0.070
(Verizon - Existing)			0.000			1/2" Ice	2.035	1.148	0.086
			0.000			1" Ice	2.212	1.288	0.106
(2) QS6656-5	B	From Leg	3.000	0.000	157.000	No Ice	8.133	6.800	0.100
(Verizon - Existing)			2.000			1/2" Ice	8.590	7.267	0.157
			0.000			1" Ice	9.053	7.723	0.221
MT6407-77A	B	From Leg	3.000	0.000	157.000	No Ice	4.709	1.840	0.000
(Verizon - Proposed)			-2.000			1/2" Ice	4.997	2.063	0.029
			0.000			1" Ice	5.293	2.292	0.063
B2/B66A RRH	B	From Leg	3.000	0.000	157.000	No Ice	2.537	1.610	0.060
(Verizon - Existing)			0.000			1/2" Ice	2.750	1.791	0.080
			0.000			1" Ice	2.970	1.978	0.103
B5/B13 RRH	B	From Leg	3.000	0.000	157.000	No Ice	1.865	1.016	0.070
(Verizon - Existing)			0.000			1/2" Ice	2.035	1.148	0.086
			0.000			1" Ice	2.212	1.288	0.106
(2) QS6656-5	C	From Leg	3.000	0.000	157.000	No Ice	8.133	6.800	0.100
(Verizon - Existing)			2.000			1/2" Ice	8.590	7.267	0.157
			0.000			1" Ice	9.053	7.723	0.221
MT6407-77A	C	From Leg	3.000	0.000	157.000	No Ice	4.709	1.840	0.000
(Verizon - Proposed)			-2.000			1/2" Ice	4.997	2.063	0.029
			0.000			1" Ice	5.293	2.292	0.063
B2/B66A RRH	C	From Leg	3.000	0.000	157.000	No Ice	2.537	1.610	0.060
(Verizon - Existing)			0.000			1/2" Ice	2.750	1.791	0.080
			0.000			1" Ice	2.970	1.978	0.103
B5/B13 RRH	C	From Leg	3.000	0.000	157.000	No Ice	1.865	1.016	0.070
(Verizon - Existing)			0.000			1/2" Ice	2.035	1.148	0.086
			0.000			1" Ice	2.212	1.288	0.106
DB-T1-6Z-8AB-0Z	A	From Leg	3.000	0.000	157.000	No Ice	4.800	2.000	0.044
(Verizon - Existing)			0.000			1/2" Ice	5.070	2.193	0.080
			0.000			1" Ice	5.348	2.393	0.120
SitePro 12' Handrail Kit HRK12	C	None		0.000	160.000	No Ice	5.000	5.000	0.265
(Verizon - Existing)						1/2" Ice	8.000	8.000	0.350
						1" Ice	11.000	11.000	0.435
SitePro RMQP-496	C	None		0.000	157.000	No Ice	15.700	15.700	1.700
(Verizon - Existing)						1/2" Ice	20.100	20.100	2.000
						1" Ice	24.500	24.500	2.300

Tower Pressures - No Ice

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z ksf	A_G ft^2	Face	A_F ft^2	A_R ft^2	A_{leg} ft^2	Leg %	C_AA_A In Face ft^2	C_AA_A Out Face ft^2
L1	134.826	1.348	0.033	117.227	A	0.000	117.227	117.227	100.00	0.000	0.000
160.000-113.7					B	0.000	117.227		100.00	0.000	0.000
50					C	0.000	117.227		100.00	0.000	0.000
L2	102.785	1.273	0.032	75.211	A	0.000	75.211	75.211	100.00	0.000	0.000
113.750-92.50					B	0.000	75.211		100.00	0.000	0.000

Section Elevation ft	z ft	K_Z	q_z ksf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
0					C	0.000	75.211		100.00	0.000	0.000
L3	68.129	1.167	0.029	213.663	A	0.000	213.663	213.663	100.00	0.000	0.000
92.500-45.500					B	0.000	213.663		100.00	0.000	0.000
					C	0.000	213.663		100.00	0.000	0.000
L4	23.313	0.931	0.023	263.642	A	0.000	263.642	263.642	100.00	0.000	0.000
45.500-1.000					B	0.000	263.642		100.00	0.000	0.000
					C	0.000	263.642		100.00	0.000	0.000

Tower Pressure - With Ice

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z ksf	t_Z in	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1	134.826	1.348	0.008	1.727	130.537	A	0.000	130.537	130.537	100.00	0.000	0.000
160.000-113.750						B	0.000	130.537		100.00	0.000	0.000
						C	0.000	130.537		100.00	0.000	0.000
L2	102.785	1.273	0.008	1.680	81.327	A	0.000	81.327	81.327	100.00	0.000	0.000
113.750-92.500						B	0.000	81.327		100.00	0.000	0.000
						C	0.000	81.327		100.00	0.000	0.000
L3	68.129	1.167	0.007	1.613	226.827	A	0.000	226.827	226.827	100.00	0.000	0.000
92.500-45.500						B	0.000	226.827		100.00	0.000	0.000
						C	0.000	226.827		100.00	0.000	0.000
L4 45.500-1.000	23.313	0.931	0.006	1.449	275.603	A	0.000	275.603	275.603	100.00	0.000	0.000
						B	0.000	275.603		100.00	0.000	0.000
						C	0.000	275.603		100.00	0.000	0.000

Tower Pressure - Service

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z ksf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1	134.826	1.348	0.011	117.227	A	0.000	117.227	117.227	100.00	0.000	0.000
160.000-113.7					B	0.000	117.227		100.00	0.000	0.000
50					C	0.000	117.227		100.00	0.000	0.000
L2	102.785	1.273	0.010	75.211	A	0.000	75.211	75.211	100.00	0.000	0.000
113.750-92.50					B	0.000	75.211		100.00	0.000	0.000
0					C	0.000	75.211		100.00	0.000	0.000
L3	68.129	1.167	0.009	213.663	A	0.000	213.663	213.663	100.00	0.000	0.000
92.500-45.500					B	0.000	213.663		100.00	0.000	0.000
					C	0.000	213.663		100.00	0.000	0.000
L4	23.313	0.931	0.007	263.642	A	0.000	263.642	263.642	100.00	0.000	0.000
45.500-1.000					B	0.000	263.642		100.00	0.000	0.000
					C	0.000	263.642		100.00	0.000	0.000

Tower Forces - No Ice - Wind Normal To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z ksf	D_F	D_R	A_E ft^2	F K	w klf	Ctrl. Face
L1	0.084	6.465	A	1	0.65	0.033	1	1	117.227	2.800	0.061	C
160.000-113.7			B	1	0.65		1	1	117.227			
50			C	1	0.65		1	1	117.227			
L2	0.040	5.831	A	1	0.65	0.032	1	1	75.211	1.698	0.080	C
113.750-92.50			B	1	0.65		1	1	75.211			
0			C	1	0.65		1	1	75.211			
L3	0.089	15.044	A	1	0.65	0.029	1	1	213.663	4.408	0.094	C
92.500-45.500			B	1	0.65		1	1	213.663			
			C	1	0.65		1	1	213.663			
L4	0.079	19.536	A	1	0.65	0.023	1	1	263.642	4.325	0.097	C
45.500-1.000			B	1	0.65		1	1	263.642			
			C	1	0.65		1	1	263.642			
Sum Weight:	0.293	46.876						OTM	939.981 kip-ft	13.231		

Tower Forces - No Ice - Wind 45 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z ksf	D_F	D_R	A_E ft^2	F K	w klf	Ctrl. Face
L1	0.084	6.465	A	1	0.65	0.033	1	1	117.227	2.800	0.061	C
160.000-113.7			B	1	0.65		1	1	117.227			
50			C	1	0.65		1	1	117.227			
L2	0.040	5.831	A	1	0.65	0.032	1	1	75.211	1.698	0.080	C
113.750-92.50			B	1	0.65		1	1	75.211			
0			C	1	0.65		1	1	75.211			
L3	0.089	15.044	A	1	0.65	0.029	1	1	213.663	4.408	0.094	C
92.500-45.500			B	1	0.65		1	1	213.663			
			C	1	0.65		1	1	213.663			
L4	0.079	19.536	A	1	0.65	0.023	1	1	263.642	4.325	0.097	C
45.500-1.000			B	1	0.65		1	1	263.642			
			C	1	0.65		1	1	263.642			
Sum Weight:	0.293	46.876						OTM	939.981 kip-ft	13.231		

Tower Forces - No Ice - Wind 60 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z ksf	D_F	D_R	A_E ft^2	F K	w klf	Ctrl. Face
L1	0.084	6.465	A	1	0.65	0.033	1	1	117.227	2.800	0.061	C
160.000-113.7			B	1	0.65		1	1	117.227			
50			C	1	0.65		1	1	117.227			
L2	0.040	5.831	A	1	0.65	0.032	1	1	75.211	1.698	0.080	C

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z ksf	D_F	D_R	A_E ft^2	F K	w klf	Ctrl. Face
113.750-92.50			B	1	0.65		1	1	75.211			
0			C	1	0.65		1	1	75.211			
L3	0.089	15.044	A	1	0.65	0.029	1	1	213.663	4.408	0.094	C
92.500-45.500			B	1	0.65		1	1	213.663			
			C	1	0.65		1	1	213.663			
L4	0.079	19.536	A	1	0.65	0.023	1	1	263.642	4.325	0.097	C
45.500-1.000			B	1	0.65		1	1	263.642			
			C	1	0.65		1	1	263.642			
Sum Weight:	0.293	46.876						OTM	939.981 kip-ft	13.231		

Tower Forces - No Ice - Wind 90 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z ksf	D_F	D_R	A_E ft^2	F K	w klf	Ctrl. Face
L1	0.084	6.465	A	1	0.65	0.033	1	1	117.227	2.800	0.061	C
160.000-113.7			B	1	0.65		1	1	117.227			
50			C	1	0.65		1	1	117.227			
L2	0.040	5.831	A	1	0.65	0.032	1	1	75.211	1.698	0.080	C
113.750-92.50			B	1	0.65		1	1	75.211			
0			C	1	0.65		1	1	75.211			
L3	0.089	15.044	A	1	0.65	0.029	1	1	213.663	4.408	0.094	C
92.500-45.500			B	1	0.65		1	1	213.663			
			C	1	0.65		1	1	213.663			
L4	0.079	19.536	A	1	0.65	0.023	1	1	263.642	4.325	0.097	C
45.500-1.000			B	1	0.65		1	1	263.642			
			C	1	0.65		1	1	263.642			
Sum Weight:	0.293	46.876						OTM	939.981 kip-ft	13.231		

Tower Forces - With Ice - Wind Normal To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z ksf	D_F	D_R	A_E ft^2	F K	w klf	Ctrl. Face
L1	0.084	9.594	A	1	1.2	0.008	1	1	130.537	1.411	0.031	C
160.000-113.7			B	1	1.2		1	1	130.537			
50			C	1	1.2		1	1	130.537			
L2	0.040	7.752	A	1	1.2	0.008	1	1	81.163	0.829	0.039	C
113.750-92.50			B	1	1.2		1	1	81.163			
0			C	1	1.2		1	1	81.163			
L3	0.089	20.229	A	1	1.2	0.007	1	1	226.296	2.112	0.045	C
92.500-45.500			B	1	1.2		1	1	226.296			
			C	1	1.2		1	1	226.296			
L4	0.079	25.229	A	1	1.2	0.006	1	1	274.387	2.037	0.046	C
45.500-1.000			B	1	1.2		1	1	274.387			

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z ksf	D_F	D_R	A_E ft²	F K	w klf	Ctrl. Face
			C	1	1.2		1	1	274.387			
Sum Weight:	0.293	62.804						OTM	460.423 kip-ft	6.389		

Tower Forces - With Ice - Wind 45 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z ksf	D_F	D_R	A_E ft²	F K	w klf	Ctrl. Face
L1	0.084	9.594	A	1	1.2	0.008	1	1	130.537	1.411	0.031	C
160.000-113.7			B	1	1.2		1	1	130.537			
50			C	1	1.2		1	1	130.537			
L2	0.040	7.752	A	1	1.2	0.008	1	1	81.163	0.829	0.039	C
113.750-92.50			B	1	1.2		1	1	81.163			
0			C	1	1.2		1	1	81.163			
L3	0.089	20.229	A	1	1.2	0.007	1	1	226.296	2.112	0.045	C
92.500-45.500			B	1	1.2		1	1	226.296			
			C	1	1.2		1	1	226.296			
L4	0.079	25.229	A	1	1.2	0.006	1	1	274.387	2.037	0.046	C
45.500-1.000			B	1	1.2		1	1	274.387			
			C	1	1.2		1	1	274.387			
Sum Weight:	0.293	62.804						OTM	460.423 kip-ft	6.389		

Tower Forces - With Ice - Wind 60 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z ksf	D_F	D_R	A_E ft²	F K	w klf	Ctrl. Face
L1	0.084	9.594	A	1	1.2	0.008	1	1	130.537	1.411	0.031	C
160.000-113.7			B	1	1.2		1	1	130.537			
50			C	1	1.2		1	1	130.537			
L2	0.040	7.752	A	1	1.2	0.008	1	1	81.163	0.829	0.039	C
113.750-92.50			B	1	1.2		1	1	81.163			
0			C	1	1.2		1	1	81.163			
L3	0.089	20.229	A	1	1.2	0.007	1	1	226.296	2.112	0.045	C
92.500-45.500			B	1	1.2		1	1	226.296			
			C	1	1.2		1	1	226.296			
L4	0.079	25.229	A	1	1.2	0.006	1	1	274.387	2.037	0.046	C
45.500-1.000			B	1	1.2		1	1	274.387			
			C	1	1.2		1	1	274.387			
Sum Weight:	0.293	62.804						OTM	460.423 kip-ft	6.389		

Tower Forces - With Ice - Wind 90 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z ksf	D_F	D_R	A_E ft^2	F K	w klf	Ctrl. Face
L1	0.084	9.594	A	1	1.2	0.008	1	1	130.537	1.411	0.031	C
160.000-113.7			B	1	1.2		1	1	130.537			
50			C	1	1.2		1	1	130.537			
L2	0.040	7.752	A	1	1.2	0.008	1	1	81.163	0.829	0.039	C
113.750-92.50			B	1	1.2		1	1	81.163			
0			C	1	1.2		1	1	81.163			
L3	0.089	20.229	A	1	1.2	0.007	1	1	226.296	2.112	0.045	C
92.500-45.500			B	1	1.2		1	1	226.296			
			C	1	1.2		1	1	226.296			
L4	0.079	25.229	A	1	1.2	0.006	1	1	274.387	2.037	0.046	C
45.500-1.000			B	1	1.2		1	1	274.387			
			C	1	1.2		1	1	274.387			
Sum Weight:	0.293	62.804						OTM	460.423 kip-ft	6.389		

Tower Forces - Service - Wind Normal To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z ksf	D_F	D_R	A_E ft^2	F K	w klf	Ctrl. Face
L1	0.084	6.465	A	1	0.65	0.011	1	1	117.227	0.884	0.019	C
160.000-113.7			B	1	0.65		1	1	117.227			
50			C	1	0.65		1	1	117.227			
L2	0.040	5.831	A	1	0.65	0.010	1	1	75.211	0.536	0.025	C
113.750-92.50			B	1	0.65		1	1	75.211			
0			C	1	0.65		1	1	75.211			
L3	0.089	15.044	A	1	0.65	0.009	1	1	213.663	1.392	0.030	C
92.500-45.500			B	1	0.65		1	1	213.663			
			C	1	0.65		1	1	213.663			
L4	0.079	19.536	A	1	0.65	0.007	1	1	263.642	1.366	0.031	C
45.500-1.000			B	1	0.65		1	1	263.642			
			C	1	0.65		1	1	263.642			
Sum Weight:	0.293	46.876						OTM	296.807 kip-ft	4.178		

Tower Forces - Service - Wind 45 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z ksf	D_F	D_R	A_E ft^2	F K	w klf	Ctrl. Face
L1	0.084	6.465	A	1	0.65	0.011	1	1	117.227	0.884	0.019	C
160.000-113.7			B	1	0.65		1	1	117.227			
50			C	1	0.65		1	1	117.227			

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z ksf	D_F	D_R	A_E ft^2	F K	w klf	Ctrl. Face
L2	0.040	5.831	A	1	0.65	0.010	1	1	75.211	0.536	0.025	C
113.750-92.50			B	1	0.65		1	1	75.211			
0			C	1	0.65		1	1	75.211			
L3	0.089	15.044	A	1	0.65	0.009	1	1	213.663	1.392	0.030	C
92.500-45.500			B	1	0.65		1	1	213.663			
			C	1	0.65		1	1	213.663			
L4	0.079	19.536	A	1	0.65	0.007	1	1	263.642	1.366	0.031	C
45.500-1.000			B	1	0.65		1	1	263.642			
			C	1	0.65		1	1	263.642			
Sum Weight:	0.293	46.876						OTM	296.807 kip-ft	4.178		

Tower Forces - Service - Wind 60 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z ksf	D_F	D_R	A_E ft^2	F K	w klf	Ctrl. Face
L1	0.084	6.465	A	1	0.65	0.011	1	1	117.227	0.884	0.019	C
160.000-113.7			B	1	0.65		1	1	117.227			
50			C	1	0.65		1	1	117.227			
L2	0.040	5.831	A	1	0.65	0.010	1	1	75.211	0.536	0.025	C
113.750-92.50			B	1	0.65		1	1	75.211			
0			C	1	0.65		1	1	75.211			
L3	0.089	15.044	A	1	0.65	0.009	1	1	213.663	1.392	0.030	C
92.500-45.500			B	1	0.65		1	1	213.663			
			C	1	0.65		1	1	213.663			
L4	0.079	19.536	A	1	0.65	0.007	1	1	263.642	1.366	0.031	C
45.500-1.000			B	1	0.65		1	1	263.642			
			C	1	0.65		1	1	263.642			
Sum Weight:	0.293	46.876						OTM	296.807 kip-ft	4.178		

Tower Forces - Service - Wind 90 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z ksf	D_F	D_R	A_E ft^2	F K	w klf	Ctrl. Face
L1	0.084	6.465	A	1	0.65	0.011	1	1	117.227	0.884	0.019	C
160.000-113.7			B	1	0.65		1	1	117.227			
50			C	1	0.65		1	1	117.227			
L2	0.040	5.831	A	1	0.65	0.010	1	1	75.211	0.536	0.025	C
113.750-92.50			B	1	0.65		1	1	75.211			
0			C	1	0.65		1	1	75.211			
L3	0.089	15.044	A	1	0.65	0.009	1	1	213.663	1.392	0.030	C
92.500-45.500			B	1	0.65		1	1	213.663			
			C	1	0.65		1	1	213.663			
L4	0.079	19.536	A	1	0.65	0.007	1	1	263.642	1.366	0.031	C

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z ksf	D_F	D_R	A_E ft^2	F K	w klf	Ctrl. Face
45.500-1.000			B	1	0.65		1	1	263.642			
			C	1	0.65		1	1	263.642			
Sum Weight:	0.293	46.876						OTM	296.807 kip-ft	4.178		

Force Totals

Load Case	Vertical Forces K	Sum of Forces X K	Sum of Forces Z K	Sum of Overturning Moments, M_x kip-ft	Sum of Overturning Moments, M_z kip-ft	Sum of Torques kip-ft
Leg Weight	46.876					
Bracing Weight	0.000					
Total Member Self-Weight	46.876			-0.173	0.000	
Total Weight	50.168			-0.173	0.000	
Wind 0 deg - No Ice		0.000	-16.144	-1395.111	0.000	0.000
Wind 30 deg - No Ice		8.030	-13.981	-1208.224	-690.833	-0.120
Wind 45 deg - No Ice		11.355	-11.416	-986.543	-976.986	-0.169
Wind 60 deg - No Ice		13.908	-8.072	-697.642	-1196.558	-0.207
Wind 90 deg - No Ice		16.059	0.000	-0.173	-1381.666	-0.239
Wind 120 deg - No Ice		13.908	8.072	697.296	-1196.558	-0.207
Wind 135 deg - No Ice		11.355	11.416	986.197	-976.986	-0.169
Wind 150 deg - No Ice		8.030	13.981	1207.878	-690.833	-0.120
Wind 180 deg - No Ice		0.000	16.144	1394.765	0.000	0.000
Wind 210 deg - No Ice		-8.030	13.981	1207.878	690.833	0.120
Wind 225 deg - No Ice		-11.355	11.416	986.197	976.986	0.169
Wind 240 deg - No Ice		-13.908	8.072	697.296	1196.558	0.207
Wind 270 deg - No Ice		-16.059	0.000	-0.173	1381.666	0.239
Wind 300 deg - No Ice		-13.908	-8.072	-697.642	1196.558	0.207
Wind 315 deg - No Ice		-11.355	-11.416	-986.543	976.986	0.169
Wind 330 deg - No Ice		-8.030	-13.981	-1208.224	690.833	0.120
Member Ice	15.928					
Total Weight Ice	69.814			-0.748	0.000	
Wind 0 deg - Ice		0.000	-7.474	-630.937	0.000	0.000
Wind 30 deg - Ice		3.726	-6.473	-546.508	-313.310	-0.040
Wind 45 deg - Ice		5.269	-5.285	-446.359	-443.087	-0.056
Wind 60 deg - Ice		6.453	-3.737	-315.843	-542.669	-0.069
Wind 90 deg - Ice		7.451	0.000	-0.748	-626.620	-0.079
Wind 120 deg - Ice		6.453	3.737	314.347	-542.669	-0.069
Wind 135 deg - Ice		5.269	5.285	444.863	-443.087	-0.056
Wind 150 deg - Ice		3.726	6.473	545.012	-313.310	-0.040
Wind 180 deg - Ice		0.000	7.474	629.441	0.000	0.000
Wind 210 deg - Ice		-3.726	6.473	545.012	313.310	0.040
Wind 225 deg - Ice		-5.269	5.285	444.863	443.087	0.056
Wind 240 deg - Ice		-6.453	3.737	314.347	542.669	0.069
Wind 270 deg - Ice		-7.451	0.000	-0.748	626.620	0.079
Wind 300 deg - Ice		-6.453	-3.737	-315.843	542.669	0.069
Wind 315 deg - Ice		-5.269	-5.285	-446.359	443.087	0.056
Wind 330 deg - Ice		-3.726	-6.473	-546.508	313.310	0.040
Total Weight	50.168			-0.173	0.000	
Wind 0 deg - Service		0.000	-5.098	-440.637	0.000	0.000
Wind 30 deg - Service		2.535	-4.415	-381.626	-218.136	-0.038
Wind 45 deg - Service		3.586	-3.605	-311.628	-308.492	-0.053
Wind 60 deg - Service		4.391	-2.549	-220.405	-377.823	-0.065

Load Case	Vertical Forces K	Sum of Forces X K	Sum of Forces Z K	Sum of Overturning Moments, M_x kip-ft	Sum of Overturning Moments, M_z kip-ft	Sum of Torques kip-ft
Wind 90 deg - Service		5.071	0.000	-0.173	-436.273	-0.075
Wind 120 deg - Service		4.391	2.549	220.059	-377.823	-0.065
Wind 135 deg - Service		3.586	3.605	311.282	-308.492	-0.053
Wind 150 deg - Service		2.535	4.415	381.279	-218.136	-0.038
Wind 180 deg - Service		0.000	5.098	440.290	0.000	0.000
Wind 210 deg - Service		-2.535	4.415	381.279	218.136	0.038
Wind 225 deg - Service		-3.586	3.605	311.282	308.492	0.053
Wind 240 deg - Service		-4.391	2.549	220.059	377.823	0.065
Wind 270 deg - Service		-5.071	0.000	-0.173	436.273	0.075
Wind 300 deg - Service		-4.391	-2.549	-220.405	377.823	0.065
Wind 315 deg - Service		-3.586	-3.605	-311.628	308.492	0.053
Wind 330 deg - Service		-2.535	-4.415	-381.626	218.136	0.038

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.6 Wind 0 deg - No Ice
3	0.9 Dead+1.6 Wind 0 deg - No Ice
4	1.2 Dead+1.6 Wind 30 deg - No Ice
5	0.9 Dead+1.6 Wind 30 deg - No Ice
6	1.2 Dead+1.6 Wind 45 deg - No Ice
7	0.9 Dead+1.6 Wind 45 deg - No Ice
8	1.2 Dead+1.6 Wind 60 deg - No Ice
9	0.9 Dead+1.6 Wind 60 deg - No Ice
10	1.2 Dead+1.6 Wind 90 deg - No Ice
11	0.9 Dead+1.6 Wind 90 deg - No Ice
12	1.2 Dead+1.6 Wind 120 deg - No Ice
13	0.9 Dead+1.6 Wind 120 deg - No Ice
14	1.2 Dead+1.6 Wind 135 deg - No Ice
15	0.9 Dead+1.6 Wind 135 deg - No Ice
16	1.2 Dead+1.6 Wind 150 deg - No Ice
17	0.9 Dead+1.6 Wind 150 deg - No Ice
18	1.2 Dead+1.6 Wind 180 deg - No Ice
19	0.9 Dead+1.6 Wind 180 deg - No Ice
20	1.2 Dead+1.6 Wind 210 deg - No Ice
21	0.9 Dead+1.6 Wind 210 deg - No Ice
22	1.2 Dead+1.6 Wind 225 deg - No Ice
23	0.9 Dead+1.6 Wind 225 deg - No Ice
24	1.2 Dead+1.6 Wind 240 deg - No Ice
25	0.9 Dead+1.6 Wind 240 deg - No Ice
26	1.2 Dead+1.6 Wind 270 deg - No Ice
27	0.9 Dead+1.6 Wind 270 deg - No Ice
28	1.2 Dead+1.6 Wind 300 deg - No Ice
29	0.9 Dead+1.6 Wind 300 deg - No Ice
30	1.2 Dead+1.6 Wind 315 deg - No Ice
31	0.9 Dead+1.6 Wind 315 deg - No Ice
32	1.2 Dead+1.6 Wind 330 deg - No Ice
33	0.9 Dead+1.6 Wind 330 deg - No Ice
34	1.2 Dead+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 45 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
39	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp

Comb. No.	Description
40	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
41	1.2 Dead+1.0 Wind 135 deg+1.0 Ice+1.0 Temp
42	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
43	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
44	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
45	1.2 Dead+1.0 Wind 225 deg+1.0 Ice+1.0 Temp
46	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
47	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
48	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
49	1.2 Dead+1.0 Wind 315 deg+1.0 Ice+1.0 Temp
50	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
51	Dead+Wind 0 deg - Service
52	Dead+Wind 30 deg - Service
53	Dead+Wind 45 deg - Service
54	Dead+Wind 60 deg - Service
55	Dead+Wind 90 deg - Service
56	Dead+Wind 120 deg - Service
57	Dead+Wind 135 deg - Service
58	Dead+Wind 150 deg - Service
59	Dead+Wind 180 deg - Service
60	Dead+Wind 210 deg - Service
61	Dead+Wind 225 deg - Service
62	Dead+Wind 240 deg - Service
63	Dead+Wind 270 deg - Service
64	Dead+Wind 300 deg - Service
65	Dead+Wind 315 deg - Service
66	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	160 - 113.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	34	-16.759	0.000	0.783
			Max. Mx	10	-10.161	-247.585	0.206
			Max. My	2	-10.157	0.000	252.997
			Max. Vy	10	8.496	-247.585	0.206
			Max. Vx	2	-8.634	0.000	252.997
			Max. Torque	11			0.381
L2	113.75 - 92.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	34	-25.305	0.000	0.783
			Max. Mx	10	-16.496	-444.965	0.208
			Max. My	2	-16.492	0.000	453.184
			Max. Vy	10	11.034	-444.965	0.208
			Max. Vx	2	-11.173	0.000	453.184
			Max. Torque	27			-0.381
L3	92.5 - 45.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	34	-47.414	0.000	0.783
			Max. Mx	10	-33.102	-1080.810	0.212
			Max. My	2	-33.099	0.000	1095.243
			Max. Vy	10	17.551	-1080.810	0.212
			Max. Vx	2	-17.689	0.000	1095.243
			Max. Torque	11			0.381
L4	45.5 - 1	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	34	-82.181	0.000	0.783
			Max. Mx	10	-60.198	-2236.112	0.213
			Max. My	2	-60.198	0.000	2257.873
			Max. Vy	10	25.703	-2236.112	0.213

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vx	2	-25.839	0.000	2257.873
			Max. Torque	27			-0.381

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	34	82.181	0.000	0.000
	Max. H_x	26	60.201	25.694	0.000
	Max. H_z	2	60.201	0.000	25.831
	Max. M_x	2	2257.873	0.000	25.831
	Max. M_z	10	2236.112	-25.694	0.000
	Max. Torsion	11	0.381	-25.694	0.000
	Min. Vert	25	45.151	22.252	-12.915
	Min. H_x	10	60.201	-25.694	0.000
	Min. H_z	18	60.201	0.000	-25.831
	Min. M_x	18	-2257.447	0.000	-25.831
	Min. M_z	26	-2236.112	25.694	0.000
	Min. Torsion	27	-0.381	25.694	0.000

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	50.168	0.000	0.000	-0.173	0.000	0.000
1.2 Dead+1.6 Wind 0 deg - No Ice	60.201	0.000	-25.831	-2257.873	0.000	0.000
0.9 Dead+1.6 Wind 0 deg - No Ice	45.151	0.000	-25.831	-2251.284	0.000	0.000
1.2 Dead+1.6 Wind 30 deg - No Ice	60.201	12.847	-22.370	-1955.405	-1118.055	-0.190
0.9 Dead+1.6 Wind 30 deg - No Ice	45.151	12.847	-22.370	-1949.691	-1114.828	-0.190
1.2 Dead+1.6 Wind 45 deg - No Ice	60.201	18.169	-18.265	-1596.621	-1581.169	-0.269
0.9 Dead+1.6 Wind 45 deg - No Ice	45.151	18.169	-18.265	-1591.945	-1576.605	-0.269
1.2 Dead+1.6 Wind 60 deg - No Ice	60.201	22.252	-12.915	-1129.044	-1936.529	-0.330
0.9 Dead+1.6 Wind 60 deg - No Ice	45.151	22.252	-12.915	-1125.722	-1930.939	-0.330
1.2 Dead+1.6 Wind 90 deg - No Ice	60.201	25.694	0.000	-0.213	-2236.112	-0.381
0.9 Dead+1.6 Wind 90 deg - No Ice	45.151	25.694	0.000	-0.159	-2229.657	-0.381
1.2 Dead+1.6 Wind 120 deg - No Ice	60.201	22.252	12.915	1128.618	-1936.529	-0.330
0.9 Dead+1.6 Wind 120 deg - No Ice	45.151	22.252	12.915	1125.405	-1930.939	-0.330
1.2 Dead+1.6 Wind 135 deg - No Ice	60.201	18.169	18.265	1596.195	-1581.169	-0.269

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
0.9 Dead+1.6 Wind 135 deg - No Ice	45.151	18.169	18.265	1591.628	-1576.605	-0.270
1.2 Dead+1.6 Wind 150 deg - No Ice	60.201	12.847	22.370	1954.979	-1118.055	-0.190
0.9 Dead+1.6 Wind 150 deg - No Ice	45.151	12.847	22.370	1949.373	-1114.828	-0.191
1.2 Dead+1.6 Wind 180 deg - No Ice	60.201	0.000	25.831	2257.447	0.000	0.000
0.9 Dead+1.6 Wind 180 deg - No Ice	45.151	0.000	25.831	2250.966	0.000	0.000
1.2 Dead+1.6 Wind 210 deg - No Ice	60.201	-12.847	22.370	1954.979	1118.055	0.190
0.9 Dead+1.6 Wind 210 deg - No Ice	45.151	-12.847	22.370	1949.373	1114.828	0.191
1.2 Dead+1.6 Wind 225 deg - No Ice	60.201	-18.169	18.265	1596.195	1581.169	0.269
0.9 Dead+1.6 Wind 225 deg - No Ice	45.151	-18.169	18.265	1591.628	1576.605	0.270
1.2 Dead+1.6 Wind 240 deg - No Ice	60.201	-22.252	12.915	1128.618	1936.529	0.330
0.9 Dead+1.6 Wind 240 deg - No Ice	45.151	-22.252	12.915	1125.405	1930.939	0.330
1.2 Dead+1.6 Wind 270 deg - No Ice	60.201	-25.694	0.000	-0.213	2236.112	0.381
0.9 Dead+1.6 Wind 270 deg - No Ice	45.151	-25.694	0.000	-0.159	2229.657	0.381
1.2 Dead+1.6 Wind 300 deg - No Ice	60.201	-22.252	-12.915	-1129.044	1936.529	0.330
0.9 Dead+1.6 Wind 300 deg - No Ice	45.151	-22.252	-12.915	-1125.722	1930.939	0.330
1.2 Dead+1.6 Wind 315 deg - No Ice	60.201	-18.169	-18.265	-1596.621	1581.169	0.269
0.9 Dead+1.6 Wind 315 deg - No Ice	45.151	-18.169	-18.265	-1591.945	1576.605	0.269
1.2 Dead+1.6 Wind 330 deg - No Ice	60.201	-12.847	-22.370	-1955.405	1118.055	0.190
0.9 Dead+1.6 Wind 330 deg - No Ice	45.151	-12.847	-22.370	-1949.691	1114.828	0.190
1.2 Dead+1.0 Ice+1.0 Temp	82.181	0.000	0.000	-0.783	0.000	0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	82.181	0.000	-7.474	-641.889	0.000	0.000
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	82.181	3.726	-6.473	-556.001	-318.711	-0.039
1.2 Dead+1.0 Wind 45 deg+1.0 Ice+1.0 Temp	82.181	5.269	-5.285	-454.123	-450.725	-0.055
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	82.181	6.453	-3.737	-321.352	-552.024	-0.067
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	82.181	7.451	-0.000	-0.815	-637.422	-0.078
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	82.181	6.453	3.737	319.722	-552.024	-0.067
1.2 Dead+1.0 Wind 135 deg+1.0 Ice+1.0 Temp	82.181	5.269	5.285	452.492	-450.725	-0.055
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	82.181	3.726	6.473	554.371	-318.711	-0.039
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	82.181	0.000	7.474	640.258	0.000	0.000
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	82.181	-3.726	6.473	554.371	318.711	0.039
1.2 Dead+1.0 Wind 225 deg+1.0 Ice+1.0 Temp	82.181	-5.269	5.285	452.492	450.725	0.055

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	82.181	-6.453	3.737	319.722	552.024	0.067
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	82.181	-7.451	-0.000	-0.815	637.422	0.078
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	82.181	-6.453	-3.737	-321.352	552.024	0.067
1.2 Dead+1.0 Wind 315 deg+1.0 Ice+1.0 Temp	82.181	-5.269	-5.285	-454.123	450.725	0.055
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	82.181	-3.726	-6.473	-556.001	318.711	0.039
Dead+Wind 0 deg - Service	50.168	0.000	-5.098	-444.867	0.000	0.000
Dead+Wind 30 deg - Service	50.168	2.535	-4.415	-385.290	-220.224	-0.038
Dead+Wind 45 deg - Service	50.168	3.586	-3.605	-314.621	-311.444	-0.053
Dead+Wind 60 deg - Service	50.168	4.391	-2.549	-222.522	-381.439	-0.065
Dead+Wind 90 deg - Service	50.168	5.071	0.000	-0.177	-440.448	-0.075
Dead+Wind 120 deg - Service	50.168	4.391	2.549	222.168	-381.439	-0.065
Dead+Wind 135 deg - Service	50.168	3.586	3.605	314.267	-311.444	-0.053
Dead+Wind 150 deg - Service	50.168	2.535	4.415	384.937	-220.224	-0.038
Dead+Wind 180 deg - Service	50.168	0.000	5.098	444.514	0.000	0.000
Dead+Wind 210 deg - Service	50.168	-2.535	4.415	384.937	220.224	0.038
Dead+Wind 225 deg - Service	50.168	-3.586	3.605	314.267	311.444	0.053
Dead+Wind 240 deg - Service	50.168	-4.391	2.549	222.168	381.439	0.065
Dead+Wind 270 deg - Service	50.168	-5.071	0.000	-0.177	440.448	0.075
Dead+Wind 300 deg - Service	50.168	-4.391	-2.549	-222.522	381.439	0.065
Dead+Wind 315 deg - Service	50.168	-3.586	-3.605	-314.621	311.444	0.053
Dead+Wind 330 deg - Service	50.168	-2.535	-4.415	-385.290	220.224	0.038

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.000	-50.168	0.000	0.000	50.168	0.000	0.000%
2	0.000	-60.201	-25.831	0.000	60.201	25.831	0.000%
3	0.000	-45.151	-25.831	0.000	45.151	25.831	0.000%
4	12.847	-60.201	-22.370	-12.847	60.201	22.370	0.000%
5	12.847	-45.151	-22.370	-12.847	45.151	22.370	0.000%
6	18.169	-60.201	-18.265	-18.169	60.201	18.265	0.000%
7	18.169	-45.151	-18.265	-18.169	45.151	18.265	0.000%
8	22.252	-60.201	-12.915	-22.252	60.201	12.915	0.000%
9	22.252	-45.151	-12.915	-22.252	45.151	12.915	0.000%
10	25.694	-60.201	0.000	-25.694	60.201	0.000	0.000%
11	25.694	-45.151	0.000	-25.694	45.151	0.000	0.000%
12	22.252	-60.201	12.915	-22.252	60.201	-12.915	0.000%
13	22.252	-45.151	12.915	-22.252	45.151	-12.915	0.000%
14	18.169	-60.201	18.265	-18.169	60.201	-18.265	0.000%
15	18.169	-45.151	18.265	-18.169	45.151	-18.265	0.000%
16	12.847	-60.201	22.370	-12.847	60.201	-22.370	0.000%
17	12.847	-45.151	22.370	-12.847	45.151	-22.370	0.000%
18	0.000	-60.201	25.831	0.000	60.201	-25.831	0.000%
19	0.000	-45.151	25.831	0.000	45.151	-25.831	0.000%
20	-12.847	-60.201	22.370	12.847	60.201	-22.370	0.000%
21	-12.847	-45.151	22.370	12.847	45.151	-22.370	0.000%
22	-18.169	-60.201	18.265	18.169	60.201	-18.265	0.000%
23	-18.169	-45.151	18.265	18.169	45.151	-18.265	0.000%
24	-22.252	-60.201	12.915	22.252	60.201	-12.915	0.000%
25	-22.252	-45.151	12.915	22.252	45.151	-12.915	0.000%
26	-25.694	-60.201	0.000	25.694	60.201	0.000	0.000%

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
27	-25.694	-45.151	0.000	25.694	45.151	0.000	0.000%
28	-22.252	-60.201	-12.915	22.252	60.201	12.915	0.000%
29	-22.252	-45.151	-12.915	22.252	45.151	12.915	0.000%
30	-18.169	-60.201	-18.265	18.169	60.201	18.265	0.000%
31	-18.169	-45.151	-18.265	18.169	45.151	18.265	0.000%
32	-12.847	-60.201	-22.370	12.847	60.201	22.370	0.000%
33	-12.847	-45.151	-22.370	12.847	45.151	22.370	0.000%
34	0.000	-82.181	0.000	0.000	82.181	0.000	0.000%
35	0.000	-82.181	-7.474	0.000	82.181	7.474	0.000%
36	3.726	-82.181	-6.473	-3.726	82.181	6.473	0.000%
37	5.269	-82.181	-5.285	-5.269	82.181	5.285	0.000%
38	6.453	-82.181	-3.737	-6.453	82.181	3.737	0.000%
39	7.451	-82.181	0.000	-7.451	82.181	0.000	0.000%
40	6.453	-82.181	3.737	-6.453	82.181	-3.737	0.000%
41	5.269	-82.181	5.285	-5.269	82.181	-5.285	0.000%
42	3.726	-82.181	6.473	-3.726	82.181	-6.473	0.000%
43	0.000	-82.181	7.474	0.000	82.181	-7.474	0.000%
44	-3.726	-82.181	6.473	3.726	82.181	-6.473	0.000%
45	-5.269	-82.181	5.285	5.269	82.181	-5.285	0.000%
46	-6.453	-82.181	3.737	6.453	82.181	-3.737	0.000%
47	-7.451	-82.181	0.000	7.451	82.181	0.000	0.000%
48	-6.453	-82.181	-3.737	6.453	82.181	3.737	0.000%
49	-5.269	-82.181	-5.285	5.269	82.181	5.285	0.000%
50	-3.726	-82.181	-6.473	3.726	82.181	6.473	0.000%
51	0.000	-50.168	-5.098	0.000	50.168	5.098	0.000%
52	2.535	-50.168	-4.415	-2.535	50.168	4.415	0.000%
53	3.586	-50.168	-3.605	-3.586	50.168	3.605	0.000%
54	4.391	-50.168	-2.549	-4.391	50.168	2.549	0.000%
55	5.071	-50.168	0.000	-5.071	50.168	0.000	0.000%
56	4.391	-50.168	2.549	-4.391	50.168	-2.549	0.000%
57	3.586	-50.168	3.605	-3.586	50.168	-3.605	0.000%
58	2.535	-50.168	4.415	-2.535	50.168	-4.415	0.000%
59	0.000	-50.168	5.098	0.000	50.168	-5.098	0.000%
60	-2.535	-50.168	4.415	2.535	50.168	-4.415	0.000%
61	-3.586	-50.168	3.605	3.586	50.168	-3.605	0.000%
62	-4.391	-50.168	2.549	4.391	50.168	-2.549	0.000%
63	-5.071	-50.168	0.000	5.071	50.168	0.000	0.000%
64	-4.391	-50.168	-2.549	4.391	50.168	2.549	0.000%
65	-3.586	-50.168	-3.605	3.586	50.168	3.605	0.000%
66	-2.535	-50.168	-4.415	2.535	50.168	4.415	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	4	0.00000001	0.00001013
3	Yes	4	0.00000001	0.00000531
4	Yes	4	0.00000001	0.00009548
5	Yes	4	0.00000001	0.00006465
6	Yes	4	0.00000001	0.00011201
7	Yes	4	0.00000001	0.00007594
8	Yes	4	0.00000001	0.00010059
9	Yes	4	0.00000001	0.00006835
10	Yes	4	0.00000001	0.00001339
11	Yes	4	0.00000001	0.00000814

12	Yes	4	0.00000001	0.00009362
13	Yes	4	0.00000001	0.00006337
14	Yes	4	0.00000001	0.00011208
15	Yes	4	0.00000001	0.00007601
16	Yes	4	0.00000001	0.00009957
17	Yes	4	0.00000001	0.00006760
18	Yes	4	0.00000001	0.00001012
19	Yes	4	0.00000001	0.00000531
20	Yes	4	0.00000001	0.00009957
21	Yes	4	0.00000001	0.00006760
22	Yes	4	0.00000001	0.00011208
23	Yes	4	0.00000001	0.00007601
24	Yes	4	0.00000001	0.00009362
25	Yes	4	0.00000001	0.00006337
26	Yes	4	0.00000001	0.00001339
27	Yes	4	0.00000001	0.00000814
28	Yes	4	0.00000001	0.00010059
29	Yes	4	0.00000001	0.00006835
30	Yes	4	0.00000001	0.00011201
31	Yes	4	0.00000001	0.00007594
32	Yes	4	0.00000001	0.00009548
33	Yes	4	0.00000001	0.00006465
34	Yes	4	0.00000001	0.00000001
35	Yes	4	0.00000001	0.00022940
36	Yes	4	0.00000001	0.00023183
37	Yes	4	0.00000001	0.00023225
38	Yes	4	0.00000001	0.00023063
39	Yes	4	0.00000001	0.00022666
40	Yes	4	0.00000001	0.00022965
41	Yes	4	0.00000001	0.00023094
42	Yes	4	0.00000001	0.00023028
43	Yes	4	0.00000001	0.00022763
44	Yes	4	0.00000001	0.00023028
45	Yes	4	0.00000001	0.00023094
46	Yes	4	0.00000001	0.00022965
47	Yes	4	0.00000001	0.00022666
48	Yes	4	0.00000001	0.00023063
49	Yes	4	0.00000001	0.00023225
50	Yes	4	0.00000001	0.00023183
51	Yes	4	0.00000001	0.00000001
52	Yes	4	0.00000001	0.00000001
53	Yes	4	0.00000001	0.00000001
54	Yes	4	0.00000001	0.00000001
55	Yes	4	0.00000001	0.00000001
56	Yes	4	0.00000001	0.00000001
57	Yes	4	0.00000001	0.00000001
58	Yes	4	0.00000001	0.00000001
59	Yes	4	0.00000001	0.00000001
60	Yes	4	0.00000001	0.00000001
61	Yes	4	0.00000001	0.00000001
62	Yes	4	0.00000001	0.00000001
63	Yes	4	0.00000001	0.00000001
64	Yes	4	0.00000001	0.00000001
65	Yes	4	0.00000001	0.00000001
66	Yes	4	0.00000001	0.00000001

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 113.75	3.701	51	0.212	0.000
L2	119.25 - 92.5	2.041	51	0.165	0.000
L3	99 - 45.5	1.395	51	0.136	0.000
L4	54.25 - 1	0.412	51	0.070	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
160.000	SitePro 12' Handrail Kit HRK12	51	3.701	0.212	0.000	249617
157.000	(2) QS6656-5	51	3.571	0.209	0.000	249617

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 113.75	18.781	2	1.077	0.002
L2	119.25 - 92.5	10.361	2	0.836	0.001
L3	99 - 45.5	7.085	2	0.693	0.000
L4	54.25 - 1	2.091	2	0.356	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
160.000	SitePro 12' Handrail Kit HRK12	2	18.781	1.077	0.002	49392
157.000	(2) QS6656-5	2	18.121	1.060	0.002	49392

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	160 - 113.75 (1)	TP38.76x21.28x0.438	46.250	0.000	0.0	50.329	-10.157	3739.200	0.003
L2	113.75 - 92.5 (2)	TP45.92x35.806x0.5	26.750	0.000	0.0	68.181	-16.492	5065.540	0.003

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L3	92.5 - 45.5 (3)	TP62.68x42.462x0.5	53.500	0.000	0.0	93.432	-33.099	6633.700	0.005
L4	45.5 - 1 (4)	TP78.5x58.373x0.5	53.250	0.000	0.0	123.786	-60.197	7906.660	0.008

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	160 - 113.75 (1)	TP38.76x21.28x0.438	252.997	2775.192	0.091	0.000	2775.192	0.000
L2	113.75 - 92.5 (2)	TP45.92x35.806x0.5	453.184	4458.433	0.102	0.000	4458.433	0.000
L3	92.5 - 45.5 (3)	TP62.68x42.462x0.5	1095.242	8025.917	0.136	0.000	8025.917	0.000
L4	45.5 - 1 (4)	TP78.5x58.373x0.5	2257.875	12700.083	0.178	0.000	12700.083	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	160 - 113.75 (1)	TP38.76x21.28x0.438	8.634	1869.600	0.005	0.000	5567.267	0.000
L2	113.75 - 92.5 (2)	TP45.92x35.806x0.5	11.173	2532.770	0.004	0.000	8943.417	0.000
L3	92.5 - 45.5 (3)	TP62.68x42.462x0.5	17.689	3316.850	0.005	0.000	16092.083	0.000
L4	45.5 - 1 (4)	TP78.5x58.373x0.5	25.839	3953.330	0.007	0.000	25455.749	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	160 - 113.75 (1)	0.003	0.091	0.000	0.005	0.000	0.094 ✔	1.000	4.8.2 ✔
L2	113.75 - 92.5 (2)	0.003	0.102	0.000	0.004	0.000	0.105 ✔	1.000	4.8.2 ✔
L3	92.5 - 45.5 (3)	0.005	0.136	0.000	0.005	0.000	0.141 ✔	1.000	4.8.2 ✔
L4	45.5 - 1 (4)	0.008	0.178	0.000	0.007	0.000	0.185 ✔	1.000	4.8.2 ✔

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	160 - 113.75	Pole	TP38.76x21.28x0.438	1	-10.157	3739.200	9.4	Pass
L2	113.75 - 92.5	Pole	TP45.92x35.806x0.5	2	-16.492	5065.540	10.5	Pass
L3	92.5 - 45.5	Pole	TP62.68x42.462x0.5	3	-33.099	6633.700	14.1	Pass
L4	45.5 - 1	Pole	TP78.5x58.373x0.5	4	-60.197	7906.660	18.5	Pass
							Summary	
						Pole (L4)	18.5	Pass
						RATING =	**18.5**	**Pass**

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Subject:	Anchor Bolt and Baseplate Analysis
Location:	160-FT Sabre Monopole Canterbury, CT
Rev. 0: 8/19/21	Prepared by: T.J.L. Checked by: C.F.C. Job No. 21007.45

Anchor Bolt and Base Plate Analysis:

Input Data:

Tower Reactions:

Overturning Moment =	$M_u := 2258 \cdot ft \cdot kips$	(Input From tnxTower)
Shear Force =	$Shear := 26 \cdot kips$	(Input From tnxTower)
Axial Force =	$R_u := 60 \cdot kips$	(Input From tnxTower)

Anchor Bolt Data:

ASTMA615 Grade 75

Number of Anchor Bolts =	$N := 28$	(User Input)
Diameter of Bolt Circle =	$D_{BC} := 86 \cdot in$	(User Input)
Bolt "Column" Distance =	$l := 3.0 \cdot in$	(User Input)
Bolt Ultimate Strength =	$F_u := 100 \cdot ksi$	(User Input)
Bolt Yield Strength =	$F_y := 75 \cdot ksi$	(User Input)
Bolt Modulus =	$E := 29000 \cdot ksi$	(User Input)
Diameter of Anchor Bolts =	$D := 2.25 \cdot in$	(User Input)
Threads per Inch =	$n := 4.5$	(User Input)
Top of Concrete to Bot Leveling Nut =	$l_{ar} := 2 \cdot in$	(User Input)
Anchor Rod Force Correction Factor =	$n_c = 1$	Table 2-1 Addendum 3

Base Plate Data:

Use AST MA572 Grade 50

Plate Yield Strength =	$F_{yf} := 50 \cdot ksi$	(User Input)
Base Plate Thickness =	$t_{TP} := 2.5 \cdot in$	(User Input)
Base Plate Diameter =	$D_{OD} := 91.75 \cdot in$	(User Input)
Outer Pole Diameter =	$D_T := 78.5 \cdot in$	(User Input)
Pole Wall Thickness =	$t_T := 0.5 \cdot in$	(User Input)
Pole Design Yield Strength =	$F_{yp} := 65 \cdot ksi$	(User Input)
	$\eta := 0.5$	For Ungrouted Base Plate per TIA-222-G Section 4.9.9

Anchor Bolt Analysis:

Gross Area of Bolt = $A_g := \frac{\pi}{4} \cdot D^2 = 3.976 \cdot in^2$

Net Area of Bolt = $A_n := \frac{\pi}{4} \cdot \left(D - \frac{0.9743 \cdot in}{n} \right)^2 = 3.248 \cdot in^2$

Tensile Root Diameter = $d_{rt} := D - \frac{0.9743 \cdot in}{n} = 2.033 \cdot in$

Plastic Section Modulus = $Z := \frac{d_{rt}^3}{6} = 1.401 \cdot in^3$

Maximum Anchor Rod Force = $P_u := \frac{n_c \cdot \pi \cdot M_u}{N \cdot D_{BC}} + \frac{R_u}{N} = 37.5 \cdot kips$

Maximum Shear Force = $V_u := \frac{Shear}{N} = 0.9 \cdot kips$

Design Tensile Strength = $\Phi R_{nt} := 0.8 \cdot F_u \cdot A_n = 259.815 \cdot k$

Bolt % of Capacity = $\frac{\left(P_u + \frac{V_u}{\eta} \right)}{\Phi R_{nt}} \cdot 100 = 15.1$

Condition1 = $Condition1 := if\left[\frac{\left(P_u + \frac{V_u}{\eta} \right)}{\Phi R_{nt}} \le 1.00, "OK", "Overstressed" \right]$

Condition1 = "OK"

Design Shear Strength = $\Phi R_{nv} := 0.75 \cdot 0.45 \cdot F_u \cdot A_g = 134.193 \cdot k$

Design Flexural Strength = $\Phi R_{nm} := 0.9 \cdot F_y \cdot Z = 94.597 \cdot in \cdot k$

$M_u := \begin{cases} 0 & \text{if } l_{ar} < D \\ 0.65 \cdot l_{ar} \cdot V_u & \text{otherwise} \end{cases} = 0 \cdot in \cdot k$

Bolt % of Capacity = $\left[\left(\frac{V_u}{\Phi R_{nv}} \right)^2 + \left(\frac{P_u}{\Phi R_{nt}} + \frac{M_u}{\Phi R_{nm}} \right)^2 \right] \cdot 100 = 2.1$

Condition2 = $Condition2 := if\left[\left(\frac{V_u}{\Phi R_{nv}} \right)^2 + \left(\frac{P_u}{\Phi R_{nt}} + \frac{M_u}{\Phi R_{nm}} \right)^2 \le 1.00, "OK", "Overstressed" \right]$

Condition2 = "OK"

Base Plate Analysis:

Strength Resistance Factor for Yielding due to Bending = $\phi_b := 0.9$

Strength Resistance Factor for Yielding due to Shear = $\phi_v := 1.0$

Outside Fillet Horizontal Leg Dimension = $w_1 := 0.25 \cdot in$

Effective Pole Outside Diameter = $D_e := D_T + w_1 = 78.75 \cdot in$

Effective Base Plate Outside Diameter = $D_{oe} := \begin{cases} D_{OD} & \text{if } D_{OD} \le \left(D_{BC} + 6 \cdot t_{TP}\right) \\ \left(D_{BC} + 6 \cdot t_{TP}\right) & \text{otherwise} \end{cases} = 91.75 \cdot in$

Half-Angle Between Radial Lines Extending from Pole Centerline Through Midpoints Between Adjacent Anchor Rods = $\theta_1 := \frac{\pi}{N} = 0.112$

Angle Defining Limiting Effective Base Plate Width Based on Plate Thickness = $\theta_2 := \operatorname{asin}\left(\frac{12 \cdot t_{TP}}{D_{BC}}\right) = 0.356$

Angle Defining Limiting Effective Base Plate Width Based on Distance Between Anchor Rod Bolt Circle and Effective Pole Outside Diameter = $\theta_3 := \operatorname{acos}\left(\frac{D_{BC} + D_e}{2 \cdot D_{BC}}\right) = 0.291$

Governing Angle Defining Effective Base Plate Width Resisting Bending = $\theta := \min\left(\theta_1, \theta_2, \theta_3\right) = 0.112$

Effective Moment Arm of Anchor Rod Force = $x := 0.5 \cdot \left(D_{BC} - D_e\right) = 3.625 \cdot in$

Effective Base Plate Width Resisting Bending from Transverse Bend Line = $B_{et} := D_{BC} \cdot \sin(\theta) = 9.629 \cdot in$

Effective Base Plate Width Resisting Bending from Radial Bend Lines = $B_{er} := \left(D_{oe} - D_e\right) \cdot \sin(\theta) = 1.456 \cdot in$

Total Effective Base Plate Width Resisting Bending = $B_{eff} := B_{et} + B_{er} = 11.084 \cdot in$

Required Base Plate Thickness = $t_{TP.Req} := \sqrt{\frac{4 \cdot P_u \cdot x}{\phi_b \cdot F_{yf} \cdot B_{eff}}} = 1.044 \cdot in$

Plate Bending Stress % of Capacity = $\frac{t_{TP.Req}}{t_{TP}} = 41.8 \cdot \%$

Condition2 = $Condition3 := \text{if}\left(\frac{t_{TP.Req}}{t_{TP}} < 1.00, \text{"Ok"}, \text{"Overstressed"}\right)$

Condition3 = "Ok"

Required Base Plate Thickness = $t_{TP.Req} := \frac{\phi_b \cdot t_T \cdot F_{yp}}{\phi_v \cdot 0.6 \cdot F_{yf}} = 0.975 \cdot in$

Plate Bending Stress % of Capacity = $\frac{t_{TP.Req}}{t_{TP}} = 39.0 \cdot \%$

Condition2 = $Condition4 := \text{if}\left(\frac{t_{TP.Req}}{t_{TP}} < 1.00, \text{"Ok"}, \text{"Overstressed"}\right)$

Condition4 = "Ok"

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Subject:	FOUNDATION ANALYSIS
Location:	160-ft Sabre Monopole Caterbury, CT
Rev. 0: 8/19/21	Prepared by: T.J.L Checked by: C.F.C. Job no. 21007.45

Standard Monopole Foundation:

Input Data:

Tower Data

Overturning Moment =	$OM := 2258 \cdot ft \cdot kips$	(User Input)	
Shear Force =	$Shear := 26 \cdot kip$	(User Input)	
Axial Force =	$Axial := 60 \cdot kip$	(User Input)	
Tower Height =	$H_t := 160 \cdot ft$	(User Input)	

Footing Data:

Overall Depth of Footing =	$D_f := 6.0 \cdot ft$	(User Input)	
Length of Pier =	$L_p := 4.5 \cdot ft$	(User Input)	
Extension of Pier Above Grade =	$L_{pag} := 0.5 \cdot ft$	(User Input)	
Diameter of Pier =	$d_p := 10.0 \cdot ft$	(User Input)	
Thickness of Footing =	$T_f := 2.0 \cdot ft$	(User Input)	
Width of Footing =	$W_f := 34.0 \cdot ft$	(User Input)	

Anchor Bolt Data:

Length of Anchor Bolts=	$L_{st} := 84 \cdot in$	(User Input)	
Projection of Anchor Bolts Above Pier =	$A_{BP} := 12.0 \cdot in$	(User Input)	
Anchor Bolt Diameter =	$d_{anchor} := 2.25 \cdot in$	(User Input)	
Base Plate Bolt Circle =	$MP := 86 \cdot in$	(User Input)	

Material Properties:

Concrete Compressive Strength =	$f_c := 4500 \cdot psi$	(User Input)	
Steel Reinforcment Yield Strength =	$f_y := 60000 \cdot psi$	(User Input)	
Anchor Bolt Yield Strength =	$f_{ya} := 75000 \cdot psi$	(User Input)	
Internal Friction Angle of Soil =	$\Phi_s := 30 \cdot deg$	(User Input)	
Ultimate Soil Bearing Capacity =	$q_u := 12000 \cdot psf$	(User Input)	
Allowable Soil Bearing Capacity =	$q_a := \frac{q_u}{2} = 6000 \cdot psf$	(User Input)	
Unit Weight of Soil =	$\gamma_{soil} := 110 \cdot pcf$	(User Input)	
Unit Weight of Concrete =	$\gamma_{conc} := 150 \cdot pcf$	(User Input)	
Foundation Bouyancy =	$Bouyancy := 0$	(User Input)	(Yes=1 / No=0)
Depth to Neglect =	$n := 0 \cdot ft$	(User Input)	
Cohesion of Clay Type Soil =	$c := 0 \cdot ksf$	(User Input)	(Use 0 for Sandy Soil)
Seismic Zone Factor =	$Z := 2$	(User Input)	(UBC-1997 Fig 23-2)
Coefficient of Friction Between Concrete =	$\mu := 0.45$	(User Input)	

Pier Reinforcement:

Bar Size =	$BS_{pier} := 9$	(User Input)	
Bar Diameter =	$d_{bpier} := 1.128 \cdot in$	(User Input)	
Number of Bars =	$NB_{pier} := 58$	(User Input)	
Clear Cover of Reinforcement =	$Cvr_{pier} := 3 \cdot in$	(User Input)	
Reinforcement Location Factor =	$\alpha_{pier} := 1.0$	(User Input)	(ACI-2008 12.2.4)
Coating Factor =	$\beta_{pier} := 1.0$	(User Input)	(ACI-2008 12.2.4)
Concrete Strength Factor =	$\lambda_{pier} := 1.0$	(User Input)	(ACI-2008 12.2.4)
Reinforcement Size Factor =	$\gamma_{pier} := 1.0$	(User Input)	(ACI-2008 12.2.4)
Diameter of Tie =	$d_{Tie} := 0.5 \cdot in$	(User Input)	

Pad Reinforcement:

Bar Size =	$BS_{top} := 10$	(User Input)	(Top of Pad)
Bar Diameter =	$d_{btop} := 1.27 \cdot in$	(User Input)	(Top of Pad)
Number of Bars =	$NB_{top} := 65$	(User Input)	(Top of Pad)
Bar Size =	$BS_{bot} := 10$	(User Input)	(Bottom of Pad)
Bar Diameter =	$d_{bbot} := 1.27 \cdot in$	(User Input)	(Bottom of Pad)
Number of Bars =	$NB_{bot} := 65$	(User Input)	(Bottom of Pad)
Clear Cover of Reinforcement =	$Cvr_{pad} := 3.0 \cdot in$	(User Input)	
Reinforcement Location Factor =	$\alpha_{pad} := 1.0$	(User Input)	(ACI-2008 12.2.4)
Coating Factor =	$\beta_{pad} := 1.0$	(User Input)	(ACI-2008 12.2.4)
Concrete Strength Factor =	$\lambda_{pad} := 1.0$	(User Input)	(ACI-2008 12.2.4)
Reinforcement Size Factor =	$\gamma_{pad} := 1.0$	(User Input)	(ACI-2008 12.2.4)

Calculated Factors:

Pier Reinforcement Bar Area = $A_{bpier} := \frac{\pi \cdot d_{bpier}^2}{4} = 0.999 \cdot in^2$

Pad Top Reinforcement Bar Area = $A_{btop} := \frac{\pi \cdot d_{btop}^2}{4} = 1.267 \cdot in^2$

Pad Bottom Reinforcement Bar Area = $A_{bbot} := \frac{\pi \cdot d_{bbot}^2}{4} = 1.267 \cdot in^2$

Coefficient of Lateral Soil Pressure = $K_p := \frac{1 + \sin(\Phi_s)}{1 - \sin(\Phi_s)} = 3$

Stability of Footing:

Adjusted Concrete Unit Weight = $\gamma_c := if\left(Bouyancy = 1, \gamma_{conc} - 62.4pcf, \gamma_{conc}\right) = 150 \cdot pcf$

Adjusted Soil Unit Weight = $\gamma_s := if\left(Bouyancy = 1, \gamma_{soil} - 62.4pcf, \gamma_{soil}\right) = 110 \cdot pcf$

Passive Pressure = $P_{pn} := K_p \cdot \gamma_s \cdot n + c \cdot 2 \cdot \sqrt{K_p} = 0 \cdot ksf$

$P_{pt} := K_p \cdot \gamma_s \cdot \left(D_f - T_f\right) + c \cdot 2 \cdot \sqrt{K_p} = 1.32 \cdot ksf$

$P_{top} := if\left[n < \left(D_f - T_f\right), P_{pt}, P_{pn}\right] = 1.32 \cdot ksf$

$P_{bot} := K_p \cdot \gamma_s \cdot D_f + c \cdot 2 \cdot \sqrt{K_p} = 1.98 \cdot ksf$

$P_{ave} := \frac{P_{top} + P_{bot}}{2} = 1.65 \cdot ksf$

$T_p := if\left[n < \left(D_f - T_f\right), T_f, \left(D_f - n\right)\right] = 2$

$A_p := W_f \cdot T_p = 68$

Ultimate Shear = $S_u := P_{ave} \cdot A_p = 112.2 \cdot kip$

Weight of Concrete Pad = $WT_c := \left[\left(W_f^2 \cdot T_f\right) + d_p^2 L_p\right] \cdot \gamma_c = 414.3 \cdot kip$

Weight of Soil Above Footing = $WT_{s1} := \left[\left(W_f^2 - d_p^2\right) \cdot \left(\left|L_p - L_{pag} - n\right|\right)\right] \cdot \gamma_s = 464.64 \cdot kip$

Weight of Soil Wedge at Back Face = $WT_{s2} := \left(\frac{D_f^2 \cdot \tan\left(\Phi_s\right)}{2} \cdot W_f\right) \cdot \gamma_s = 38.867 \cdot kip$

Weight of Soil Wedge at back face Corners = $WT_{s3} := 2 \cdot \left[\left(D_f\right)^3 \cdot \frac{\tan\left(\Phi_s\right)}{3}\right] \cdot \gamma_s = 9.145 \cdot kips$

Total Weight = $WT_{tot} := WT_c + WT_{s1} + Axial = 938.94 \cdot kip$

Resisting Weight = $WT_R := 0.9 \cdot WT_c + 0.75 \cdot WT_{s1} + 0.75 \cdot Axial = 766.35 \cdot kip$

Resisting Moment = $M_r := \left(WT_R\right) \cdot \frac{W_f}{2} + 0.75 \cdot S_u \cdot \frac{T_f}{3} + 0.75 \cdot \left[\left(WT_{s2} + WT_{s3}\right) \cdot \left(W_f + \frac{D_f \cdot \tan\left(\Phi_s\right)}{3}\right)\right] = 14350 \cdot kip \cdot ft$

Overturning Moment = $M_{ot} := OM + Shear \cdot \left(L_p + T_f\right) = 2427 \cdot kip \cdot ft$

Factor of Safety Actual = $FS := \frac{M_r}{M_{ot}} = 5.91$

Factor of Safety Required = $FS_{req} := 1$

$OverTurning\_Moment\_Check := if\left(FS \geq FS_{req}, "Okay", "No Good"\right)$

OverTurning_Moment_Check = "Okay"

Shear Capacity in Pier:

Shear Resistance of Pier = $S_p := \frac{P_{ave} \cdot A_p + \mu \cdot WT_{tot}}{FS_{req}} = 534.723 \cdot kips$

$Shear\_Check := if(S_p > Shear, "Okay", "No Good")$

Shear_Check = "Okay"

Bearing Pressure Caused by Footing:

Area of the Mat = $A_{mat} := W_f^2 = 1.156 \times 10^3$

Section Modulus of Mat = $S := \frac{W_f^3}{6} = 6550.67 \cdot ft^3$

Maximum Pressure in Mat = $P_{max} := \frac{WT_{tot}}{A_{mat}} + \frac{M_{ot}}{S} = 1.183 \cdot ksf$

$Max\_Pressure\_Check := if(P_{max} < .75 \cdot q_u, "Okay", "No Good")$

Max_Pressure_Check = "Okay"

Minimum Pressure in Mat = $P_{min} := \frac{WT_{tot}}{A_{mat}} - \frac{M_{ot}}{S} = 0.442 \cdot ksf$

$Min\_Pressure\_Check := if\left[(P_{min} \geq 0) \cdot (P_{min} < .75 \cdot q_u), "Okay", "No Good"\right]$

Min_Pressure_Check = "Okay"

Distance to Resultant of Pressure Distribution = $X_p := \frac{P_{max}}{\frac{P_{max} - P_{min}}{W_f}} \cdot \frac{1}{3} = 18.09$

Distance to Kern = $X_k := \frac{W_f}{6} = 5.667$

Since Resultant Force is Not in Kern, Area to which Pressure is Applied Must be Reduced.

Eccentricity = $e := \frac{M_{ot}}{WT_{tot}} = 2.585$

Adjusted Soil Pressure = $P_a := \frac{2 \cdot WT_{tot}}{3 \cdot W_f \cdot \left(\frac{W_f}{2} - e\right)} = 1.277 \cdot ksf$

$q_{adj} := if(P_{min} < 0, P_a, P_{max}) = 1.183 \cdot ksf$

$Pressure\_Check := if(q_{adj} < .75 \cdot q_u, "Okay", "No Good")$

Pressure_Check = "Okay"

Concrete Bearing Capacity:

Strength Reduction Factor = $\Phi_c := 0.65$ (ACI-2008 9.3.2.2)

Bearing Strength Between Pier and Pad = $P_b := \Phi_c \cdot 0.85 \cdot f_c \cdot \frac{\pi \cdot d_p^2}{4} = 2.812 \times 10^4 \cdot kips$ (ACI-2008 10.14)

$Bearing\_Check := if\left(P_b > Axial, "Okay", "No Good"\right)$

Bearing_Check = "Okay"

Shear Strength of Concrete:

Beam Shear: (Critical section located at a distance d from the face of Pier) (ACI 11.3.1.1)

$\phi_c := 0.85$ (ACI 9.3.2.5)

$d := T_f - Cvr_{pad} - d_{bbot} = 1.644$

$d_1 := \frac{W_f}{2} - \frac{d_p}{2}$

$d_2 := d_1 - d$

$L := \left(\frac{W_f}{2} - e\right) \cdot 3$

$Slope := if\left(L > W_f, \frac{P_{max} - P_{min}}{W_f}, \frac{q_{adj}}{L}\right)$

$V_{req} := \left[\left(q_{adj} - Slope \cdot d_1\right) + \left(\frac{Slope \cdot d_1}{2}\right)\right] \cdot W_f \cdot d_1$

$V_{Avail} := \phi_c \cdot 2 \cdot \sqrt{f_c \cdot psi} \cdot W_f \cdot d$ (ACI-2008 11.2.1.1)

$Beam\_Shear\_Check := if\left(V_{req} < V_{Avail}, "Okay", "No Good"\right)$

Beam_Shear_Check = "Okay"

Punching Shear: (Critical Section Located at a distance of d/2 from the face of pier) (ACI 11.11.1.2)

Critical Perimeter of Punching Shear = $b_o := \left(d_p + d\right) \cdot \pi = 36.6$

Area Included Inside Perimeter = $A_{bo} := \frac{\pi \cdot \left(d_p + d\right)^2}{4} = 106.5$

Area Outside of Perimeter = $A_{out} := A_{mat} - A_{bo} = 1 \times 10^3$

Guess Value = $v_u := 1ksf$

(From "Foundation Analysis and design", By Joseph Bowles, Eq. 8-9)

Given $d^2 + d_p \cdot d = \frac{WT_{tot}}{\pi \cdot v_u}$

$v_u := \text{Find}(v_u) = 15.6 \cdot ksf$

$V_u := v_u \cdot d \cdot W_f = 872.7 \cdot kips$

Required Shear Strength = $V_{req} := V_u = 872.7 \cdot kips$

Available Shear Strength = $V_{Avail} := \phi_c \cdot 4 \cdot \sqrt{f_c \cdot psi} \cdot b_o \cdot d = 1975.4 \cdot kip$ (ACI-2008 11.11.2.1)

$\text{Punching\_Shear\_Check} := \text{if}(V_{req} < V_{Avail}, \text{"Okay"}, \text{"No Good"})$

Punching_Shear_Check = "Okay"

Steel Reinforcement in Pad:

Required Reinforcement for Bending:

Strength Reduction Factor = $\phi_m := .90$ (ACI-2008 9.3.2.1)

$q_b := q_{adj} - d_1 \cdot Slope = 0.921 \cdot ksf$

Maximum Bending at Face of Pier = $M_n := \frac{1}{\phi_m} \cdot \left[\left(q_{adj} - q_b \right) \cdot \frac{d_1^2}{3} + q_b \cdot \frac{d_1^2}{2} \right] \cdot W_f = 2979.9 \cdot kip \cdot ft$

$$\beta := \begin{cases} 0.85 & \text{if } 2500 \cdot psi \le f_c \le 4000 \cdot psi \\ 0.65 & \text{if } f_c > 8000 \cdot psi \\ \left[0.85 - \left[\frac{\left(\frac{f_c}{psi} - 4000 \right)}{1000} \right] \cdot 0.5 \right] & \text{otherwise} \end{cases} = 0.6$$

(ACI-200810.2.7.3)

$R_n := \frac{M_n}{W_f \cdot d^2} = 225.1 \cdot psi$

$\rho := \frac{0.85 \cdot f_c}{f_y} \left(1 - \sqrt{1 - \frac{2 \cdot R_n}{0.85 \cdot f_c}} \right) = 0.0039$

$\rho_{min} := \rho = 0.00387$

Required Reinforcement for Temperature and Shrinkage:

$$\rho_{sh} := \begin{cases} .0018 & \text{if } f_y \geq 60000 \cdot psi \\ .0020 & \text{otherwise} \end{cases}$$ (ACI-2008 7.12.2.1)

Check Bottom Bars:

$$As := \begin{cases} \rho_{min} \cdot W_f \cdot d & \text{if } \rho_{min} > \frac{\rho_{sh}}{2} \\ \rho_{sh} \cdot W_f \cdot \frac{d}{2} & \text{otherwise} \end{cases} = 31.152 \cdot in^2$$

$As_{prov} := A_{bbot} \cdot NB_{bot} = 82.3 \cdot in^2$

$Pad\_Reinforcement\_Bot := if(As_{prov} > As, "Okay", "No Good")$

Pad_Reinforcement_Bot = "Okay"

Check top Bars:

$As := \rho_{sh} \cdot \left(W_f \cdot \frac{d}{2}\right) = 7.2 \cdot in^2$

$As_{prov} := A_{btop} \cdot NB_{top} = 82.3 \cdot in^2$

$Pad\_Reinforcement\_Top := if(As_{prov} > As, "Okay", "No Good")$

Pad_Reinforcement_Top = "Okay"

Developement Length Pad Reinforcement:

Bar Spacing =

$$B_{sPad} := \frac{W_f - 2 \cdot Cvr_{pad} - NB_{bot} \cdot d_{bbot}}{NB_{bot} - 1} = 4.99 \cdot in$$

Spacing or Cover Dimension =

$$c := if\left(Cvr_{pad} < \frac{B_{sPad}}{2}, Cvr_{pad}, \frac{B_{sPad}}{2}\right) = 2.496 \cdot in$$

Transverse Reinforcement Index =

$k_{tr} := 0$ (ACI-2008 12.2.3)

$$L_{dbt} := \frac{3 \cdot f_y \alpha_{pad} \cdot \beta_{pad} \cdot \gamma_{pad} \cdot \lambda_{pad}}{40 \cdot \sqrt{f_c \cdot psi} \cdot \frac{c + k_{tr}}{d_{bbot}}} \cdot d_{bbot} = 43.4 \cdot in$$

Minimum Development Length =

$L_{dbmin} := 12 \cdot in$ (ACI-2008 12.2.1)

$L_{dbtCheck} := if(L_{dbt} \geq L_{dbmin}, "Use L.dbt", "Use L.dbmin")$

Available Length in Pad =

$$L_{Pad} := \frac{W_f}{2} - \frac{d_p}{2} - Cvr_{pad} = 141 \cdot in$$

$Lpad\_Check := if(L_{Pad} > L_{dbt}, "Okay", "No Good")$

Lpad_Check = "Okay"

Steel Reinforcement in Pier:

Area of Pier = $A_p := d_p^2 = 14400 \cdot in^2$

$A_{smin} := 0.01 \cdot 0.5 \cdot A_p = 72 \cdot in^2$ (ACI-2008 10.8.4 & 10.9.1)

$A_{sprov} := NB_{pier} \cdot A_{bpier} = 57.96 \cdot in^2$

$Steel\_Area\_Check := if(A_{sprov} > A_{smin}, "Okay", "No Good")$

Steel_Area_Check = "No Good"

NOTE: Anchor Bolts are not accounted for in reinforcement calculation and will provide additional reinforcement to satisfy minimum requirement of steel.

Bar Spacing In Pier = $B_{sPier} := \frac{d_p \cdot \pi}{NB_{pier}} - d_{bpier} = 5.372 \cdot in$

Diameter of Reinforcement Cage = $Diam_{cage} := d_p - 2 \cdot Cvr_{pier} = 114 \cdot in$

Maximum Moment in Pier = $M_p := \left[OM + Shear \cdot \left(L_p + \frac{A_{BP}}{2} \right) \right] = 28656 \cdot in \cdot kips$

Pier Check evaluated from outside program and results are listed below;

$(D \ N \ n \ P_u \ M_{xu}) := \left(d_p \cdot 12 \ \ NB_{pier} \ \ BS_{pier} \ \ \frac{Axial \cdot 1.333}{kips} \ \ \frac{M_p}{in \cdot kips} \right)$

$(D \ N \ n \ P_u \ M_{xu}) = (120 \ \ 58 \ \ 9 \ \ 80 \ \ 28656)$

$(\phi P_n \ \ \phi M_{xn} \ \ f_{sp} \ \ \rho) := (0 \ \ 0 \ \ 0 \ \ 0)$

$(\phi P_n \ \ \phi M_{xn} \ \ f_{sp} \ \ \rho) := \phi P'_n(D, N, n, P_u, M_{xu})^T$

$(\phi P_n \ \ \phi M_{xn} \ \ f_{sp} \ \ \rho) = (497.2 \ \ 1.8 \times 10^5 \ \ -60 \ \ 0)$

$Axial\_Load\_Check := if(\phi P_n \geq P_u, "Okay", "No Good")$

Axial_Load_Check = "Okay"

$Bending\_Check := if(\phi M_{xn} \geq M_{xu}, "Okay", "No Good")$

Bending_Check = "Okay"

Development Length Pier Reinforcement:

Available Length in Foundation:

$L_{pier} := L_p - Cvr_{pier} = 51 \cdot in$

$L_{pad} := T_f - Cvr_{pad} = 21 \cdot in$

Tension: (ACI-2008 12.2.3)

Spacing or Cover Dimension =

$c := if\left(Cvr_{pier} < \frac{B_{sPier}}{2}, Cvr_{pier}, \frac{B_{sPier}}{2}\right) = 2.686 \cdot in$

Transverse Reinforcement = $k_{tr} := 0$ (ACI-2008 12.2.3)

$L_{dbt} := \frac{3 \cdot f_y \alpha_{pier} \cdot \beta_{pier} \cdot \gamma_{pier} \cdot \lambda_{pier}}{40 \cdot \sqrt{f_c \cdot psi} \cdot \left(\frac{c + k_{tr}}{d_{bpier}}\right)} \cdot d_{bpier} = 31.78 \cdot in$

Minimum Development Length = $L_{dh} := \frac{1200 \cdot d_{bpier}}{\sqrt{\frac{f_c}{psi}}} \cdot .7 = 14.125 \cdot in$ (ACI 12.2.1)

Pier reinforcement bars are standard 90 degree hooks and therefore developement in the pad is computed as follows:

$L_{db} := \max\left(L_{dbt}, L_{dbmin}\right)$

$L_{tension\_Check} := if\left(L_{pier} + L_{pad} > L_{dbt}, "Okay", "No Good"\right)$

$L_{tension\_Check} = "Okay"$

Compression: (ACI-2008 12.3.2)

$L_{dbc1} := \frac{.02 \cdot d_{bpier} \cdot f_y}{\sqrt{f_c \cdot psi}} = 20.178 \cdot in$

$L_{dbmin} := 0.0003 \cdot \frac{in^2}{lb} \cdot \left(d_{bpier} \cdot f_y\right) = 20.304 \cdot in$

$L_{dbc} := if\left(L_{dbc1} \geq L_{dbmin}, L_{dbc1}, L_{dbmin}\right) = 20.304 \cdot in$

$L_{compression\_Check} := if\left(L_{pier} + L_{pad} > L_{dbc}, "Okay", "No Good"\right)$

$L_{compression\_Check} = "Okay"$

verizon fuze | RFDS

EAST > North East > New England > New England West > CANTERBURY SOUTH CT - B

Summers, Melissa - melissa.summers@verizonwireless.com - 7/27/2021 12:12:59

Project Details

FUZE Project ID:	16498641
Project Name:	5G L-Sub6 - Carrier Add
Project Alt Name:	5G L-Sub6 - Carrier Add
Project Type:	Modification
Modification Type:	VDU_UPGRADE_OR_ADD
Designed Sector Carrier 4G:	15
Designed Sector Carrier 5G:	3
Additional Sector Carrier 4G:	N/A
Additional Sector Carrier 5G:	N/A
FP Solution Type & Tech Type:	MODIFICATION;5G_850,5G_L-Sub6-Prep,5G_vDU add - Sub3
Carrier Aggregation:	false
MPT Id:	
eCIP-0:	false
Suffix:	REV0

Location Information

Site ID:	5003215
E-NodeB ID:	064854,0649402
PSLC:	469262
Switch Name:	Wallingford 1
Tower Owner:	
Tower Type:	Monopole
Site Type:	MACRO
Site Sub Type:	TRADITIONAL
Street Address:	46 Cemetery Rd
City:	Canterbury
State:	CT
Zip Code:	06331
County:	Windham
Latitude:	41.672625 / 41° 40' 21.45" N
Longitude:	-72.03301944 / 72° 1' 58.87" W

RFDS Project Scope: RFDS SOW: 850 5GNR/ L-SUB6 carrier add, Samsung dual band RRH swap

1- Retain 700/ 850/ AWS/ PCS carriers and add 850 5GNR/ L-SUB6 carriers
2- Add (3) MT6407-77A L-Sub6 All-in-One antenna/ RRHs to position 4. Retain (6) existing antennas/ mounts in position 2
3- Plumb 700/ 850/ PCS/ AWS/ L-SUB6 according to the plumbing diagram
4- Use RF ports on dual band RRHs to communicate with RETs via Smart bias-T built into the antenna
5- Cap and weatherproof unused ports/connectors

Antenna Summary

Added

700	850	1900	AWS	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity
				5G	Samsung	MT6407-77A	157	158.5	60(0409) 180(0410) 300(0411)	false	false	PHYSICAL	3

Removed

700	850	1900	AWS	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity

No data available.

Retained

700	850	1900	AWS	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity
LTE	LTE 5G	LTE	LTE		QUINTEL	QS6656-5	157	160	60(01) 180(02) 300(03)	true	true	PHYSICAL	6

Added: 3 **Removed:** 0 **Retained:** 6

Equipment Summary

Added

Equipment Type	Location	700	850	1900	AWS	L-Sub6	Make	Model	Cable Length	Cable Size	Install Type	Quantity
RRU	Tower					5G	Samsung	MT6407-77A			PHYSICAL	3

Removed

Equipment Type	Location	700	850	1900	AWS	L-Sub6	Make	Model	Cable Length	Cable Size	Install Type	Quantity

No data available.

Retained

Equipment Type	Location	700	850	1900	AWS	L-Sub6	Make	Model	Cable Length	Cable Size	Install Type	Quantity
Hybrid Cable	Tower	LTE	LTE 5G	LTE	LTE	5G	N/A	12x24 Hybriflex LI		1 5/8"	PHYSICAL	1
Mount	Tower						Quintel	AS-005245			PHYSICAL	3
OVP Box	Tower	LTE	LTE 5G	LTE	LTE	5G	Raycap	OVP-12			PHYSICAL	1
RRU	Tower			LTE	LTE		Samsung	B2/B66A RRH-BR049 (RFV01U-D1A)			PHYSICAL	3
RRU	Tower	LTE	LTE 5G				Samsung	B5/B13 RRH-BR04C (RFV01U-D2A)			PHYSICAL	3

Service Info

700 MHz LTE		0000		5GLS		
Sector	**01**	**02**	**03**	**01**	**02**	**03**
Azimuth	60	180	300	60	180	300
Cell / ENode B ID	064854	064854	064854	064854	064854	064854
Antenna Model	QS6656-5	QS6656-5	QS6656-5	QS6656-5	QS6656-5	QS6656-5
Antenna Make	QUINTEL	QUINTEL	QUINTEL	QUINTEL	QUINTEL	QUINTEL
Antenna Centerline(Ft)	157	157	157	157	157	157
Mechanical Down-Tilt(Deg.)	0	0	0	0	0	0
Electrical Down-Tilt	4	4	4	4	4	4
Tip Height	160	160	160	160	160	160
Regulatory Power	57.41	57.41	57.41	57.41	57.41	57.41
DLEARFCN	5230	5230	5230	5230	5230	5230
Channel Bandwidth(MHz)	10	10	10	10	10	10
Total ERP (W)	516.65	516.65	516.65	516.65	516.65	516.65
TMA Make						
TMA Model						
RRU Make	Samsung	Samsung	Samsung	Samsung	Samsung	Samsung
RRU Model	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)
Number of Tx, Rx Lines	4,4	4,4	4,4	4,4	4,4	4,4
Position						
Transmitter Id	1963595	1959541	1973350	10027762	10027760	10027765
Source	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API

850 MHz LTE		0000		5GLS		
Sector	**01**	**02**	**03**	**01**	**02**	**03**
Azimuth	60	180	300	60	180	300
Cell / ENode B ID	064854	064854	064854	064854	064854	064854
Antenna Model	QS6656-5	QS6656-5	QS6656-5	QS6656-5	QS6656-5	QS6656-5
Antenna Make	QUINTEL	QUINTEL	QUINTEL	QUINTEL	QUINTEL	QUINTEL
Antenna Centerline(Ft)	157	157	157	157	157	157
Mechanical Down-Tilt(Deg.)	0	0	0	0	0	0
Electrical Down-Tilt	6	4	4	6	4	4
Tip Height	160	160	160	160	160	160
Regulatory Power	231.11	237.58	237.58	231.11	237.58	237.58
DLEARFCN	2450	2450	2450	2450	2450	2450
Channel Bandwidth(MHz)	10	10	10	10	10	10
Total ERP (W)	520	534.56	534.56	520	534.56	534.56
TMA Make						
TMA Model						
RRU Make	Samsung	Samsung	Samsung	Samsung	Samsung	Samsung
RRU Model	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)
Number of Tx, Rx Lines	4,4	4,4	4,4	4,4	4,4	4,4
Position						
Transmitter Id	1959540	1973349	1973388	10664433	10664432	10664434
Source	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API

850 MHz 5GNR

Sector				5GLS		
				0409	0410	0411
Azimuth				60	180	300
Cell / ENode B ID				0649402	0649402	0649402
Antenna Model				QS6656-5	QS6656-5	QS6656-5
Antenna Make				QUINTEL	QUINTEL	QUINTEL
Antenna Centerline(Ft)				157	157	157
Mechanical Down-Tilt(Deg.)				0	0	0
Electrical Down-Tilt				6	4	4
Tip Height				160	160	160
Regulatory Power				231.11	237.58	237.58
DLEARFCN				2450	2450	2450
Channel Bandwidth(MHz)				10	10	10
Total ERP (W)				520	534.56	534.56
TMA Make						
TMA Model						
RRU Make				Samsung	Samsung	Samsung
RRU Model				B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)
Number of Tx, Rx Lines				4,4	4,4	4,4
Position						
Transmitter Id				10664433	10664432	10664434
Source				ATOLL_API	ATOLL_API	ATOLL_API

1900 MHz LTE

Sector	0000			5GLS		
	01	02	03	01	02	03
Azimuth	60	180	300	60	180	300
Cell / ENode B ID	064854	064854	064854	064854	064854	064854
Antenna Model	QS6656-5	QS6656-5	QS6656-5	QS6656-5	QS6656-5	QS6656-5
Antenna Make	QUINTEL	QUINTEL	QUINTEL	QUINTEL	QUINTEL	QUINTEL
Antenna Centerline(Ft)	157	157	157	157	157	157
Mechanical Down-Tilt(Deg.)	0	0	0	0	0	0
Electrical Down-Tilt	2	2	2	2	2	2
Tip Height	160	160	160	160	160	160
Regulatory Power	146.24	146.24	146.24	146.24	146.24	146.24
DLEARFCN	1075	1075	1075	1075	1075	1075
Channel Bandwidth(MHz)	15	15	15	15	15	15
Total ERP (W)	1203.37	1203.37	1203.37	1203.37	1203.37	1203.37
TMA Make						
TMA Model						
RRU Make	Samsung	Samsung	Samsung	Samsung	Samsung	Samsung
RRU Model	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)
Number of Tx, Rx Lines	4,4	4,4	4,4	4,4	4,4	4,4
Position						
Transmitter Id	1959536	1959542	1973384	10027757	10027761	10027766
Source	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API

2100 MHz LTE

	0000			5GLS		
Sector	**01**	**02**	**03**	**01**	**02**	**03**
Azimuth	60	180	300	60	180	300
Cell / ENode B ID	064854	064854	064854	064854	064854	064854
Antenna Model	QS6656-5	QS6656-5	QS6656-5	QS6656-5	QS6656-5	QS6656-5
Antenna Make	QUINTEL	QUINTEL	QUINTEL	QUINTEL	QUINTEL	QUINTEL
Antenna Centerline(Ft)	157	157	157	157	157	157
Mechanical Down-Tilt(Deg.)	0	0	0	0	0	0
Electrical Down-Tilt	2	2	2	2	2	2
Tip Height	160	160	160	160	160	160
Regulatory Power	123.72	123.72	123.72	123.72	123.72	123.72
DLEARFCN	2050	2050	2050	2050	2050	2050
Channel Bandwidth(MHz)	20	20	20	20	20	20
Total ERP (W)	1357.38	1357.38	1357.38	1357.38	1357.38	1357.38
TMA Make						
TMA Model						
RRU Make	Samsung	Samsung	Samsung	Samsung	Samsung	Samsung
RRU Model	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)
Number of Tx, Rx Lines	4,4	4,4	4,4	4,4	4,4	4,4
Position						
Transmitter Id	1959539	1973348	1973387	10027758	10027763	10027767
Source	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API

nL-Sub6

				5GLS		
Sector				**0409**	**0410**	**0411**
Azimuth				60	180	300
Cell / ENode B ID				0649402	0649402	0649402
Antenna Model				MT6407-77A	MT6407-77A	MT6407-77A
Antenna Make				Samsung	Samsung	Samsung
Antenna Centerline(Ft)				157	157	157
Mechanical Down-Tilt(Deg.)				0	0	0
Electrical Down-Tilt				6	6	6
Tip Height				158.5	158.5	158.5
Regulatory Power				751.94	751.94	751.94
DLEARFCN				648672	648672	648672
Channel Bandwidth(MHz)				60	60	60
Total ERP (W)				6531.31	6531.31	6531.31
TMA Make						
TMA Model						
RRU Make				Samsung	Samsung	Samsung
RRU Model				MT6407-77A	MT6407-77A	MT6407-77A
Number of Tx, Rx Lines				4,4	4,4	4,4
Position						
Transmitter Id				10027769	10027770	10027771
Source				ATOLL_API	ATOLL_API	ATOLL_API

Service Comments

Callsigns Per Antenna

Sector	Antenna Ma	Antenna Mo	Ant CL Height AGL	Tip Height	Azimuth (TI	Electrical Tilt	Mechanical Tilt	Gain	Beamwidth	Regulatory Power	Callsigns						
											700	850	1900	2100	28 GHz	31 GHz	39 GHz

No data available.

Callsigns

Callsign	Market	Radio Code	Market Number	Block	State	County	Licensee Name	Wholly Owned	Total MHZ	Freq Range 1	Freq Range 2	Freq Range 3	Freq Range 4	Regulatory Power	Threshold (W)	POPs/Sq Mi	Status	Action	Approved for Insvc
WQJQ689	Northeast	WU	REA001	C	CT	Windham	Cellco Partnership	Yes	22.000	746.000-757.000	776.000-787.000	.000-.000	.000-.000	57.41	1000	230.89	Active	retained	Yes
KNKN862	Connecticu 2 - Windham	CL	CMA358	A	CT	Windham	Cellco Partnership	Yes	25.000	824.000-835.000	869.000-880.000	845.000-846.500	890.000-891.500	237.58	400	230.89	Active	added	Yes
WQDU931	New London-Norwich, CT	CW	BTA319	C	CT	Windham	Cellco Partnership	Yes	10.000	1900.000-1905.000	1980.000-1985.000	.000-.000	.000-.000	146.24	1640	230.89	Active	retained	Yes
WQEM954	New London-Norwich, CT	CW	BTA319	C	CT	Windham	Cellco Partnership	Yes	10.000	1895.000-1900.000	1975.000 1980.000	.000-.000	.000-.000	146.24	1640	230.89	Active	retained	Yes
KNLH263	New London-Norwich, CT	CW	BTA319	F	CT	Windham	Cellco Partnership	Yes	10.000	1890.000-1895.000	1970.000 1975.000	.000-.000	.000-.000	146.24	1640	230.89	Active	retained	Yes
WQGD529	Connecticu 2 - Windham	AW	CMA358	A	CT	Windham	Cellco Partnership	Yes	20.000	1710.000 1720.000	2110.000 2120.000	.000-.000	.000-.000	123.72	1640	230.89	Active	retained	Yes
WQGA906	New York-No. New Jer.-Long Island, NY-NJ-CT-PA-MA-	AW	BEA010	B	CT	Windham	Cellco Partnership	Yes	20.000	1720.000 1730.000	2120.000-2130.000	.000-.000	.000-.000	123.72	1640	230.89	Active	retained	Yes
WREE837	C09015 - W m, CT	UU	C09015	L1	CT	Windham	Cellco Partnership	Yes	425.000	27500.000-27925.00(	.000-.000	.000-.000	.000-.000			230.89	Active		Yes
WREE838	C09015 - W m, CT	UU	C09015	L2	CT	Windham	Cellco Partnership	Yes	425.000	27925.000-28350.00(	.000-.000	.000-.000	.000-.000			230.89	Active		Yes
WRHD609	New York, NY	UU	PEA001	M1	CT	Windham	Straight Path um, LLC	Yes	100.000	37600.000-37700.00(	.000-.000	.000-.000	.000-.000			230.89	Active		Yes
WRHD610	New York, NY	UU	PEA001	M10	CT	Windham	Straight Path um, LLC	Yes	100.000	38500.000-38600.00	.000-.000	.000-.000	.000-.000			230.89	Active		Yes
WRHD611	New York, NY	UU	PEA001	M2	CT	Windham	Straight Path um, LLC	Yes	100.000	37700.000-37800.00(	.000-.000	.000-.000	.000-.000			230.89	Active		Yes

WRHD612	New York, NY	UU	PEA001	M3	CT	Windham	Straight Path um, LLC	Yes	100.000	37800.000-37900.00	.000-.000	.000-.000	.000-.000			230.89	Active		Yes
WRHD613	New York, NY	UU	PEA001	M4	CT	Windham	Straight Path um, LLC	Yes	100.000	37900.000-38000.00	.000-.000	.000-.000	.000-.000			230.89	Active		Yes
WRHD614	New York, NY	UU	PEA001	M5	CT	Windham	Straight Path um, LLC	Yes	100.000	38000.000-38100.00	.000-.000	.000-.000	.000-.000			230.89	Active		Yes
WRHD615	New York, NY	UU	PEA001	M6	CT	Windham	Straight Path um, LLC	Yes	100.000	38100.000-38200.00	.000-.000	.000-.000	.000-.000			230.89	Active		Yes
WRHD616	New York, NY	UU	PEA001	M7	CT	Windham	Straight Path um, LLC	Yes	100.000	38200.000-38300.00	.000-.000	.000-.000	.000-.000			230.89	Active		Yes
WRHD617	New York, NY	UU	PEA001	M8	CT	Windham	Straight Path um, LLC	Yes	100.000	38300.000-38400.00	.000-.000	.000-.000	.000-.000			230.89	Active		Yes
WRHD618	New York, NY	UU	PEA001	M9	CT	Windham	Straight Path um, LLC	Yes	100.000	38400.000-38500.00	.000-.000	.000-.000	.000-.000			230.89	Active		Yes
WRHD619	New York, NY	UU	PEA001	N1	CT	Windham	Straight Path um, LLC	Yes	100.000	38600.000-38700.00	.000-.000	.000-.000	.000-.000			230.89	Active	N/A	No
WRNE581	New York, NY	PM	PEA001	A1	CT	Windham	Cellco Partnership	Yes	20.000	3700.000-3720.000	.000-.000	.000-.000	.000-.000			230.89	Active		No
WRNE582	New York, NY	PM	PEA001	A2	CT	Windham	Cellco Partnership	Yes	20.000	3720.000-3740.000	.000-.000	.000-.000	.000-.000			230.89	Active		No
WRNE583	New York, NY	PM	PEA001	A3	CT	Windham	Cellco Partnership	Yes	20.000	3740.000-3760.000	.000-.000	.000-.000	.000-.000			230.89	Active		No
WRNE584	New York, NY	PM	PEA001	A4	CT	Windham	Cellco Partnership	Yes	20.000	3760.000-3780.000	.000-.000	.000-.000	.000-.000			230.89	Active		No
WRNE585	New York, NY	PM	PEA001	A5	CT	Windham	Cellco Partnership	Yes	20.000	3780.000-3800.000	.000-.000	.000-.000	.000-.000			230.89	Active		No
WRNE586	New York, NY	PM	PEA001	B1	CT	Windham	Cellco Partnership	Yes	20.000	3800.000-3820.000	.000-.000	.000-.000	.000-.000			230.89	Active		No
WRNE587	New York, NY	PM	PEA001	B2	CT	Windham	Cellco Partnership	Yes	20.000	3820.000-3840.000	.000-.000	.000-.000	.000-.000			230.89	Active		No
WRNE588	New York, NY	PM	PEA001	B3	CT	Windham	Cellco Partnership	Yes	20.000	3840.000-3860.000	.000-.000	.000-.000	.000-.000			230.89	Active		No

AS-005245 SBS MOUNT

Port are for low band MHz

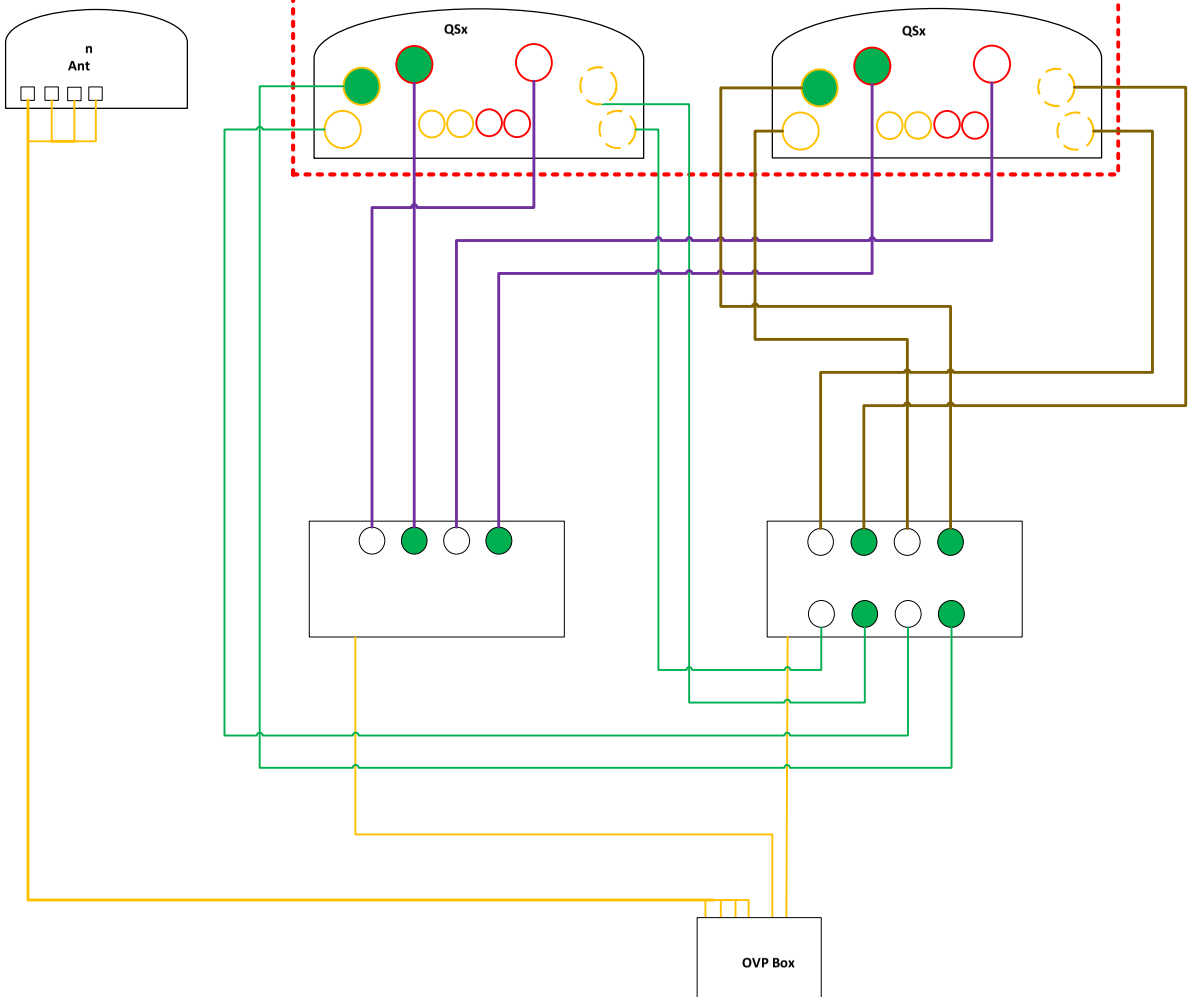
Port are for high band MHz

Smart Bias Tee is through port for low band and port for high band

AISG cable is only needed when drawn in the diagrams below if it is not drawn then SBT is enough to control all RET motors

Not all SBT ports are needed to control RET only green port connection to green port will control RET

RET DC signal pass for RET
Port that will control RET



DC signal capable Port

AISG Cable

RET DC signal pass for RET
Port that will control RET

Hybriflex cables

Comments:

Diagram shows antenna port configuration as viewed from below antennas.

Antenna positions are indicated as viewed from IN FRONT of antennas.

Cap and weatherproof unused antenna ports.

All plumbing diagram colors are irrelevant except for AISG & Hybriflex cable. (For the coax colors follow Coax Colors guide above)

Sector	Antenna Desc	Base Station ID	Sector ID
Alpha	700	064854_1	064854_1
Alpha	850	064854_1_6	064854_1_6
Alpha	AWS	064854_1_2	064854_1_2
Alpha	PCS	064854_1_4	064854_1_4
Beta	700	064854_2	064854_2
Beta	850	064854_2_6	064854_2_6
Beta	AWS	064854_2_2	064854_2_2
Beta	PCS	064854_2_4	064854_2_4
Gamma	700	064854_3	064854_3
Gamma	850	064854_3_6	064854_3_6
Gamma	AWS	064854_3_2	064854_3_2
Gamma	PCS	064854_3_4	064854_3_4

Band	Sector 1 (Alpha) Color Codes							
850 CDMA	R							
	R	R						
700	R	P						
	R	R	P					
	R	R	R	P				
	R	R	R	R	P			
850 LTE	R	P	P					
	R	R	P	P				
	R	R	R	P	P			
	R	R	R	R	P	P		
700 / 850	R	P	P	P				
	R	R	P	P	P			
	R	R	R	P	P	P		
	R	R	R	R	P	P	P	
AWS	R	W						
	R	R	W					
	R	R	R	W				
	R	R	R	R	W			
PCS	R	W	W					
	R	R	W	W				
	R	R	R	W	W			
	R	R	R	R	W	W		
AWS / PCS	R	W	W	W				
	R	R	W	W	W			
	R	R	R	W	W	W		
	R	R	R	R	W	W	W	
CBRS	R	Y						
	R	R	Y					
	R	R	R	Y				
	R	R	R	R	Y			
LAA	R	Y	Y					
	R	R	Y	Y				

	Sector 2 (Beta) Color Codes						
	B						
	B	B					
	B	P					
	B	B	P				
	B	B	B	P			
	B	B	B	B	P		
	B	P	P				
	B	B	P	P			
	B	B	B	P	P		
	B	B	B	B	P	P	
	B	P	P	P			
	B	B	P	P	P		
	B	B	B	P	P	P	
	B	B	B	B	P	P	P
	B	W					
	B	B	W				
	B	B	B	W			
	B	B	B	B	W		
	B	W	W				
	B	B	W	W			
	B	B	B	W	W		
	B	B	B	B	W	W	
	B	W	W	W			
	B	B	W	W	W		
	B	B	B	W	W	W	
	B	B	B	B	W	W	W
	B	Y					
	B	B	Y				
	B	B	B	Y			
	B	B	B	B	Y		
	B	Y	Y				
	B	B	Y	Y			

	Sector 3 (Gamma) Color Codes						
	G						
	G	G					
	G	P					
	G	G	P				
	G	G	G	P			
	G	G	G	G	P		
	G	P	P				
	G	G	P	P			
	G	G	G	P	P		
	G	G	G	G	P	P	
	G	P	P	P			
	G	G	P	P	P		
	G	G	G	P	P	P	
	G	G	G	G	P	P	P
	G	W					
	G	G	W				
	G	G	G	W			
	G	G	G	G	W		
	G	W	W				
	G	G	W	W			
	G	G	G	W	W		
	G	G	G	G	W	W	
	G	W	W	W			
	G	G	W	W	W		
	G	G	G	W	W	W	
	G	G	G	G	W	W	W
	G	Y					
	G	G	Y				
	G	G	G	Y			
	G	G	G	G	Y		
	G	Y	Y				
	G	G	Y	Y			

Band	Sector 4 (Delta) Color Codes							
850 CDMA	Gray	R						
	Gray	R	R					
700	Gray	R	P					
	Gray	R	R	P				
	Gray	R	R	R	P			
	Gray	R	R	R	R	P		
850 LTE	Gray	R	P	P				
	Gray	R	R	P	P			
	Gray	R	R	R	P	P		
	Gray	R	R	R	R	P	P	
700 / 850	Gray	R	P	P	P			
	Gray	R	R	P	P	P		
	Gray	R	R	R	P	P	P	
	Gray	R	R	R	R	P	P	P
AWS	Gray	R	W					
	Gray	R	R	W				
	Gray	R	R	R	W			
	Gray	R	R	R	R	W		
PCS	Gray	R	W	W				
	Gray	R	R	W	W			
	Gray	R	R	R	W	W		
	Gray	R	R	R	R	W	W	
AWS / PCS	Gray	R	W	W	W			
	Gray	R	R	W	W	W		
	Gray	R	R	R	W	W	W	
	Gray	R	R	R	R	W	W	W
CBRS	Gray	R	Y					
	Gray	R	R	Y				
	Gray	R	R	R	Y			
	Gray	R	R	R	R	Y		
LAA	Gray	R	Y	Y				
	Gray	R	R	Y	Y			

	Sector 5 (Epsilon) Color Codes						
Gray	B						
Gray	B	B					
Gray	B	P					
Gray	B	B	P				
Gray	B	B	B	P			
Gray	B	B	B	B	P		
Gray	B	P	P				
Gray	B	B	P	P			
Gray	B	B	B	P	P		
Gray	B	B	B	B	P	P	
Gray	B	P	P	P			
Gray	B	B	P	P	P		
Gray	B	B	B	P	P	P	
Gray	B	B	B	B	P	P	P
Gray	B	W					
Gray	B	B	W				
Gray	B	B	B	W			
Gray	B	B	B	B	W		
Gray	B	W	W				
Gray	B	B	W	W			
Gray	B	B	B	W	W		
Gray	B	B	B	B	W	W	
Gray	B	W	W	W			
Gray	B	B	W	W	W		
Gray	B	B	B	W	W	W	
Gray	B	B	B	B	W	W	W
Gray	B	Y					
Gray	B	B	Y				
Gray	B	B	B	Y			
Gray	B	B	B	B	Y		
Gray	B	Y	Y				
Gray	B	B	Y	Y			

	Sector 6 (Zeta) Color Codes						
Gray	G						
Gray	G	G					
Gray	G	P					
Gray	G	G	P				
Gray	G	G	G	P			
Gray	G	G	G	G	P		
Gray	G	P	P				
Gray	G	G	P	P			
Gray	G	G	G	P	P		
Gray	G	G	G	G	P	P	
Gray	G	P	P	P			
Gray	G	G	P	P	P		
Gray	G	G	G	P	P	P	
Gray	G	G	G	G	P	P	P
Gray	G	W					
Gray	G	G	W				
Gray	G	G	G	W			
Gray	G	G	G	G	W		
Gray	G	W	W				
Gray	G	G	W	W			
Gray	G	G	G	W	W		
Gray	G	G	G	G	W	W	
Gray	G	W	W	W			
Gray	G	G	W	W	W		
Gray	G	G	G	W	W	W	
Gray	G	G	G	G	W	W	W
Gray	G	Y					
Gray	G	G	Y				
Gray	G	G	G	Y			
Gray	G	G	G	G	Y		
Gray	G	Y	Y				
Gray	G	G	Y	Y			

Network Building + Consulting, LLC
1777 Sentry Parkway W, Veva 17
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Blue Bell, PA 19422
(267) 460-0122

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10071855
NB+C Project #: 100820

August 5, 2021

Site Information	*Site ID:*	*469262-VZW / CANTERBURY SOUTH CT - B*
	Site Name:	*CANTERBURY SOUTH CT - B*
	Carrier Name:	*Verizon Wireless*
	Address:	*46 Cemetery Rd* *Canterbury, Connecticut 06331,* *Windham County*
	Latitude:	*41.672625°*
	Longitude:	*-72.033019°*
Structure Information	*Tower Type:*	*160-Ft Monopole*
	Mount Type:	*12-Ft Platform*

FUZE ID # 16498641

Analysis Results

Platform: **51.4% 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 may also be Noted on A & E drawings

Report Prepared By: Charles Brooks, PE

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet	Verizon Wireless Site ID: 5003215 dated July 27, 2021
Construction Drawings	On Air Engineering, LLC dated November 6, 2019

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	123 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
Desi	gn Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
Topo	graphic Category:	1
Topo	graphic Feature Considered:	N/A
Topo	graphic Method:	N/A
	Ground Elevation Factor, K_e:	0.982
Seismic Parameters:	S_S:	0.188
S	$_1$:	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
155.5	157.0	3	Samsung	MT6407-77A	Added
		6	Quintel	QS6656-5	Retained
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	B5/B13 RRH-BR04C (RFV01U-D2A)	
		3	Samsung	B2/B66A RRH-BR049 (RFV01U-D1A)	

Standard Conditions:

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

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

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

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

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

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

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

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

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

8. The existing platform mount is assumed to be Site Pro Part #: RMQP-496-HK per the construction drawings provided by On Air Engineering

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

Analysis Results:

Component	Utilization %	Pass/Fail
STAND OFF CNX	35.6 %	Pass
GRATING ANGLE	17.2 %	Pass
STAND OFF	13.3 %	Pass
HSS4X4X4	14.7 %	Pass
FRONT RAIL CNX	17.4 %	Pass
FRONT RAIL	14.0 %	Pass
KICKER	5.5 %	Pass
SUPPORT RAIL	48.3 %	Pass
L2.5x2.5x4	43.4 %	Pass
MOUNT PIPE	51.4 %	Pass
CONNECTION	12.2	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**51.4%**

Recommendation:

The existing mounts are **SUFFICIENT** for the final loading configuration and do not require modifications.

1. Contractor shall verify all dimensions and member sizes shown in the mount geometry verification requirements section of the mount analysis report. Contact EOR if these documents are not available to the general contractor.

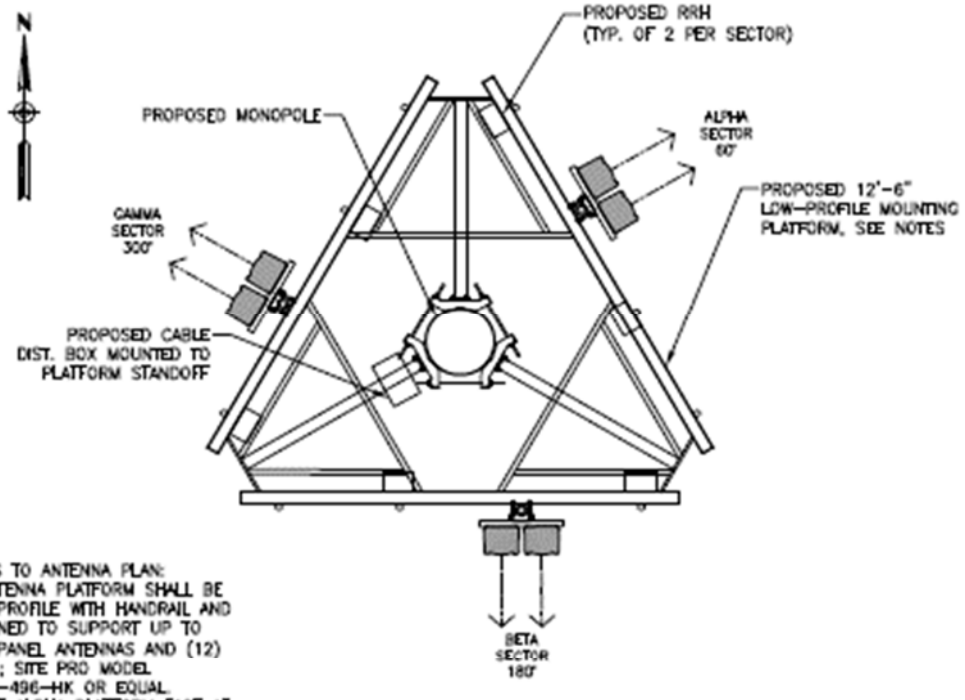
2. Contractor to install safety climb cable guide (Site Pro 1, Part #: 120-203-317 or EOR approved equivalent) in locations where wire rope is rubbing against mount to tower attachments. Contractor to provided photos of safety climb cable guide installation.

3. The existing platform mount is assumed to be Site Pro Part #: RMQP-496-HK. Contractor to verify that the above listed mount is installed per the construction drawings listed under sources of information.

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

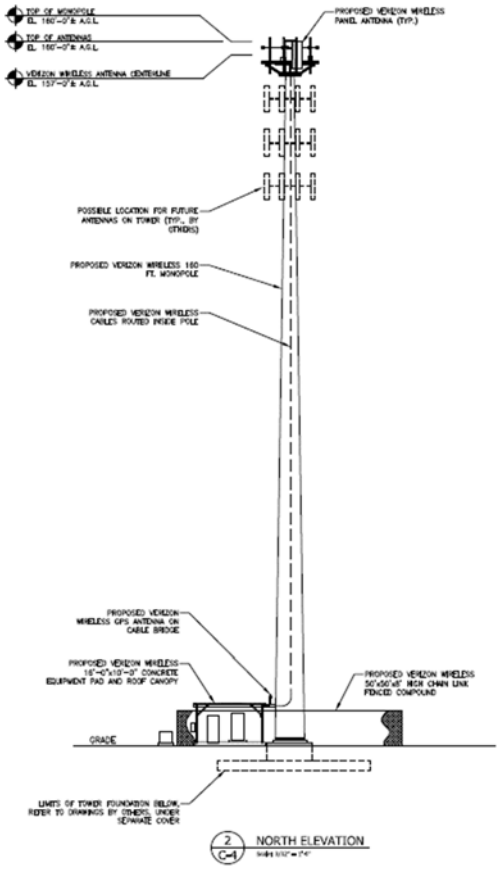
Attachments:

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



NOTES TO ANTENNA PLAN:
1. ANTENNA PLATFORM SHALL BE LOW-PROFILE WITH HANDRAIL AND DESIGNED TO SUPPORT UP TO (12) PANEL ANTENNAS AND (12) RRH'S; SITE PRO MODEL RMQP-496-HK OR EQUAL.
2. SET ALPHA PLATFORM FACE AT 60° AZIMUTH.

3 C-1 ANTENNA PLAN @ 157 FT, A.G.L.



2 C-1 NORTH ELEVATION

Colliers Engineering & Design

Desktop Mount Mapping Form

Site Name:	CANTERBURY SOUTH CT - B	**Tower Type:**	Monopole
Site ID:		**Tower Owner:**	
PSLC:	469262	**Tower Height (Ft.):**	
Customer:	Verizon Wireless	**Mount Elevation (Ft.):**	
Colliers Project No.	21781051	**Date:**	6/25/2021

Document Type	Provided? (Yes/No)	Source Name	Project No.	Dated	Comments/Remarks
Previous Mount Mapping	No				
Previous Mapping Photos	No				
Previous Mount Analysis	No				
Previous Mount Modifications	No				
Previous Structural Analysis	Yes	20-2374-RAM Permit Package - Sealed and Certified		8/22/2019	Provided and is a secondary source of information for MA.
Construction Drawings	Yes	Canterbury South CT CD's 11-06-19 VO		11/6/2019	Provided and is a primary source of information for MA. See sheet C4 for mount part numbers and additional details.
Closeout Package	No				
Closeout Photos	No				
Handover Package	No				
New Build 445 Documentation	No				
Other	No				
Previous PMI	No				

The desktop mount mapping is based on the engineering review of the available site documents in FUZE, as listed above, in place of a full mount mapping. It is assumed that the information provided in the documents listed above, provide an accurate representation of the existing mount. EOR reserves the right and will typically require additional clarification and verification as will be included in the PMI requirements. During the Post Modification Inspection (PMI) process, the GC on site will be required to confirm all questions, confirmations, and validations as posed by the EOR. The engineering review for this desktop mount mapping was performed in accordance to the ANSI/TIA-222-H requirements and Verizon's NSTD446 standard.

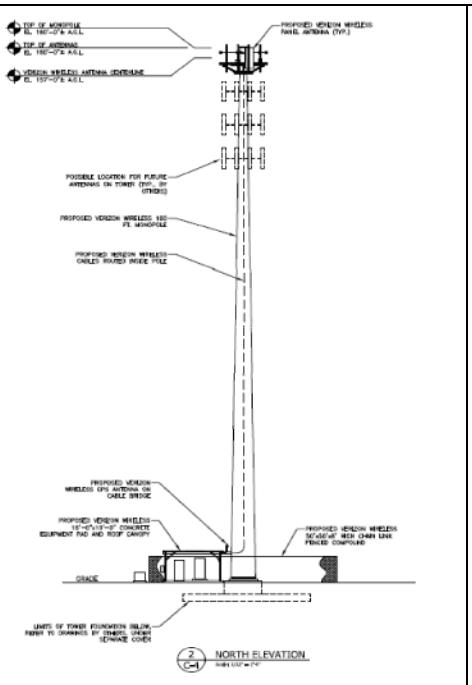
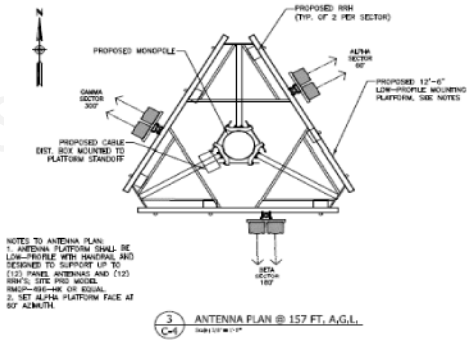


Photo taken from: CDs



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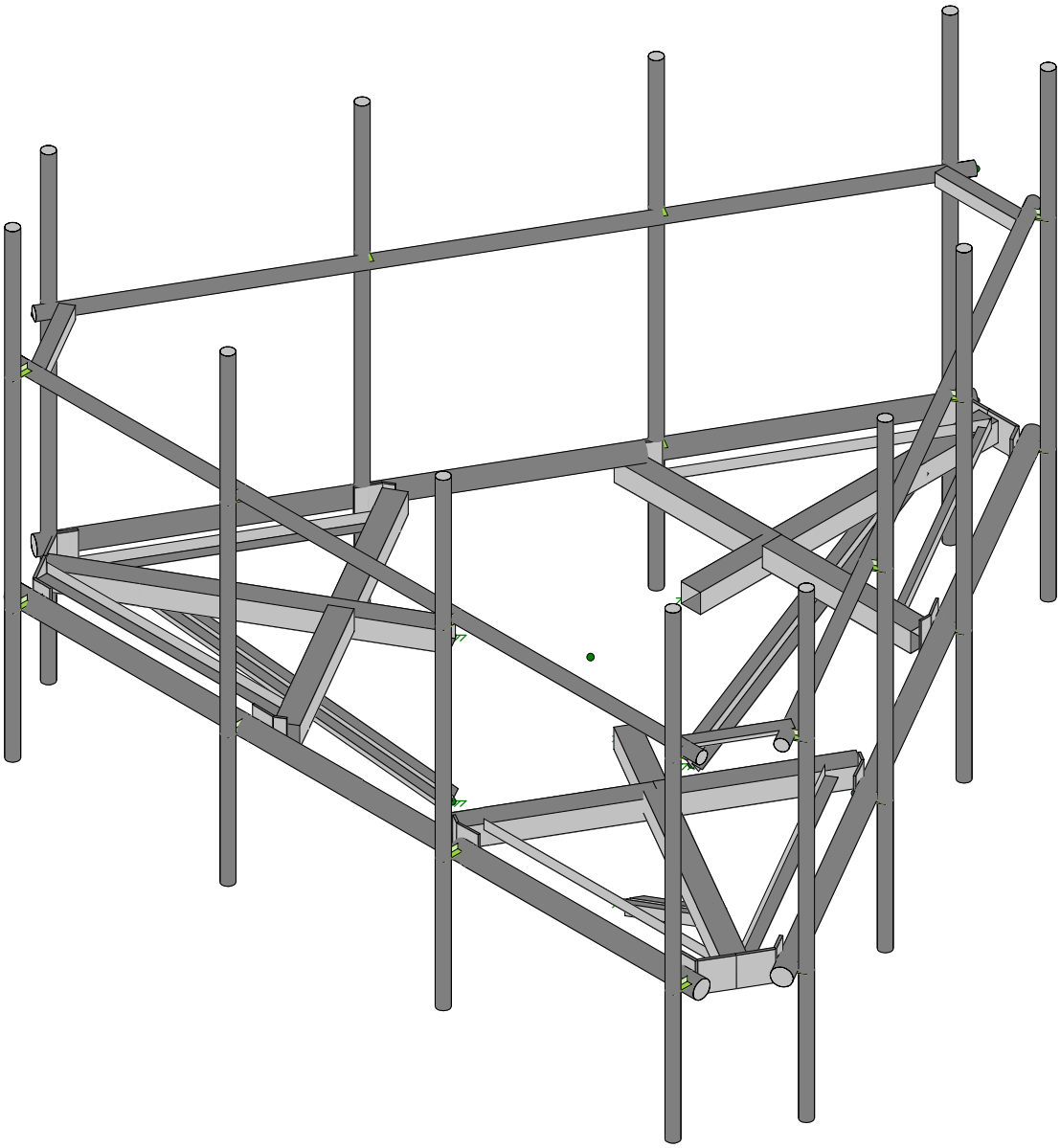

Envelope Only Solution

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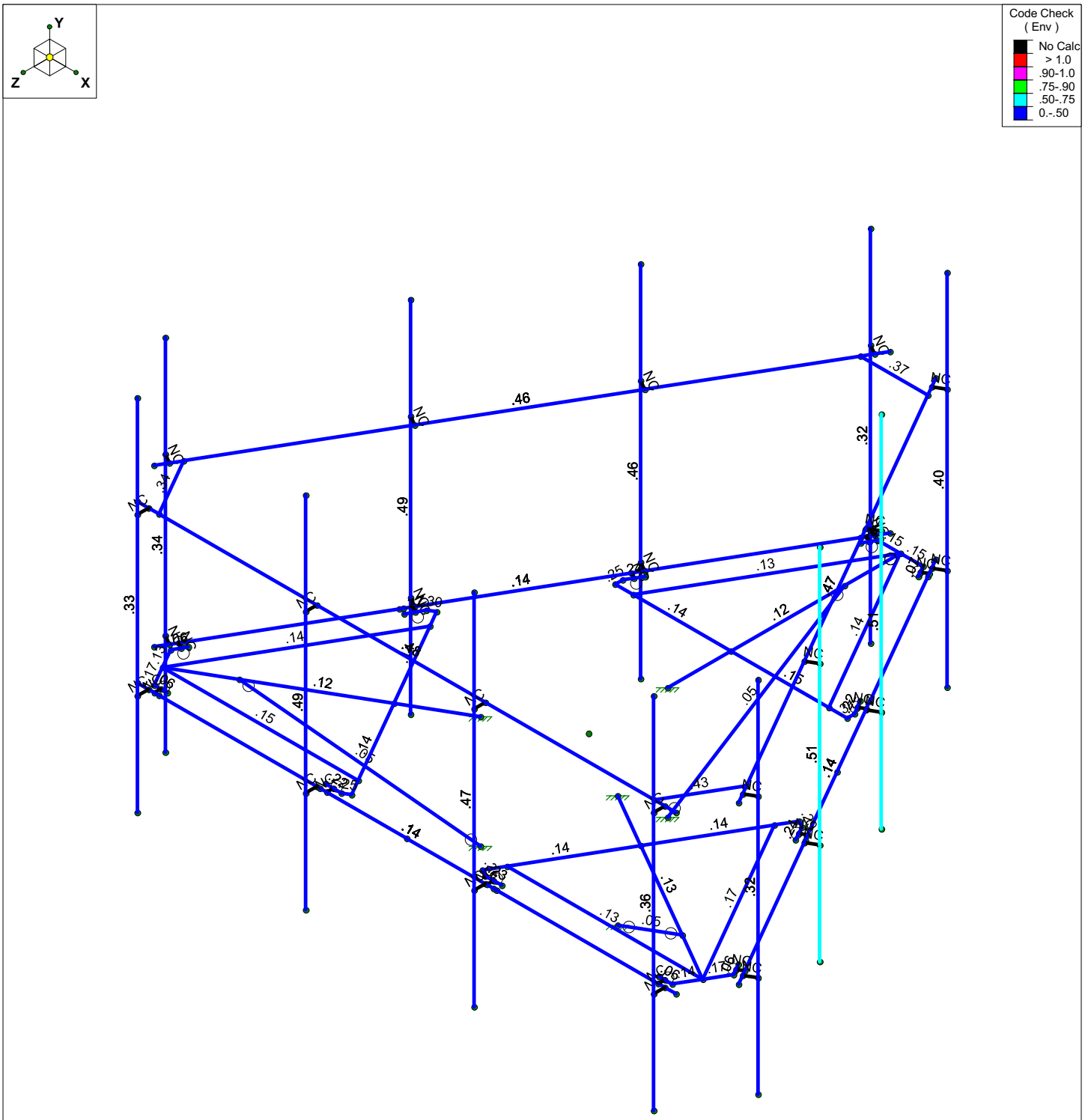

Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Network Building + Consu...		SK - 2
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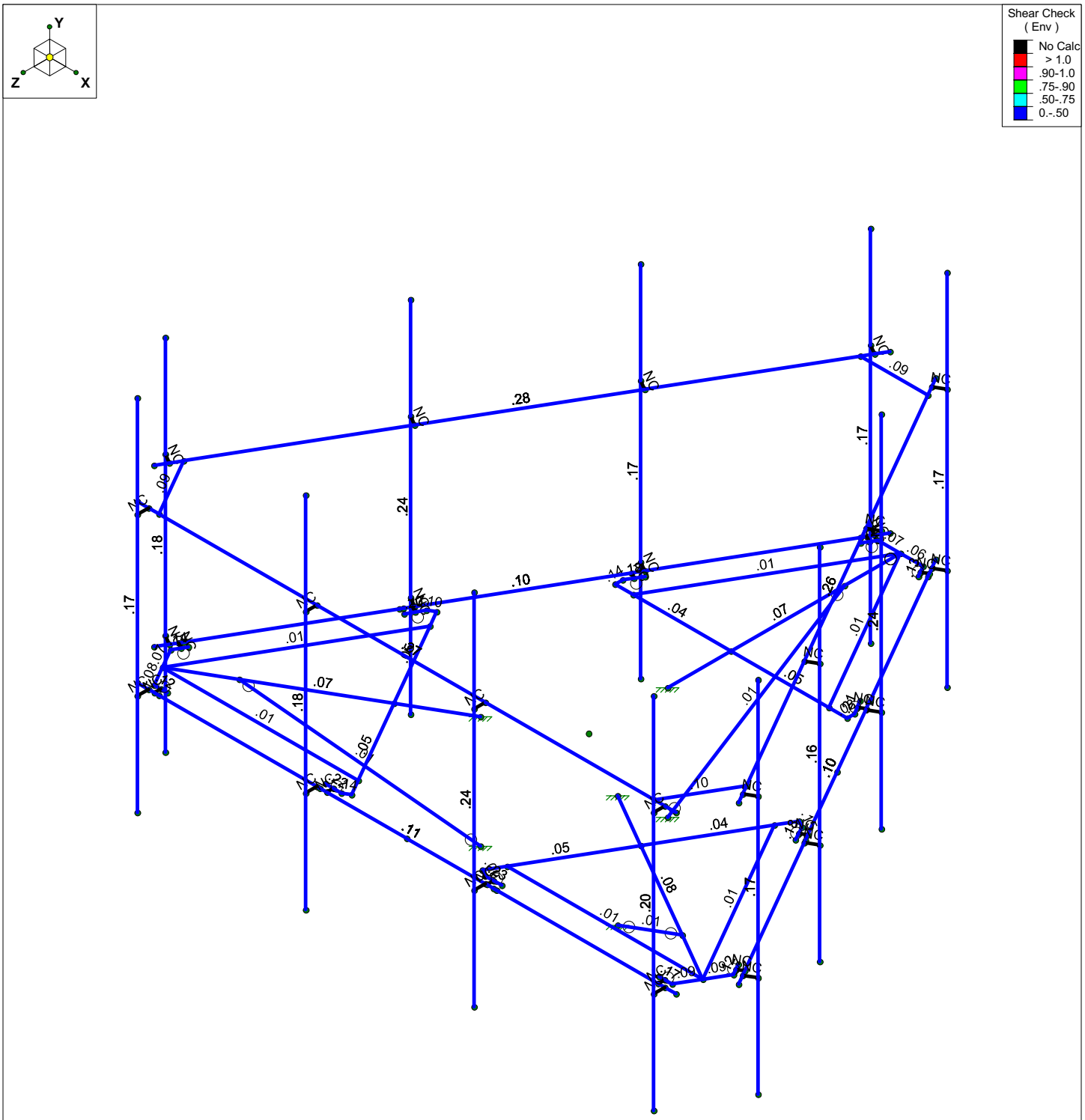
	Member Bending	469262-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Network Building + Consu...		SK - 3
CBB	469262-VZW_MT_LO_H	Aug 4, 2021 at 4:24 PM
	Shear Check	469262-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					75			
2	Antenna Di	None					75			
3	Antenna Wo (0 Deg)	None					75			
4	Antenna Wo (30 Deg)	None					75			
5	Antenna Wo (60 Deg)	None					75			
6	Antenna Wo (90 Deg)	None					75			
7	Antenna Wo (120 Deg)	None					75			
8	Antenna Wo (150 Deg)	None					75			
9	Antenna Wo (180 Deg)	None					75			
10	Antenna Wo (210 Deg)	None					75			
11	Antenna Wo (240 Deg)	None					75			
12	Antenna Wo (270 Deg)	None					75			
13	Antenna Wo (300 Deg)	None					75			
14	Antenna Wo (330 Deg)	None					75			
15	Antenna Wi (0 Deg)	None					75			
16	Antenna Wi (30 Deg)	None					75			
17	Antenna Wi (60 Deg)	None					75			
18	Antenna Wi (90 Deg)	None					75			
19	Antenna Wi (120 Deg)	None					75			
20	Antenna Wi (150 Deg)	None					75			
21	Antenna Wi (180 Deg)	None					75			
22	Antenna Wi (210 Deg)	None					75			
23	Antenna Wi (240 Deg)	None					75			
24	Antenna Wi (270 Deg)	None					75			
25	Antenna Wi (300 Deg)	None					75			
26	Antenna Wi (330 Deg)	None					75			
27	Antenna Wm (0 Deg)	None					75			
28	Antenna Wm (30 Deg)	None					75			
29	Antenna Wm (60 Deg)	None					75			
30	Antenna Wm (90 Deg)	None					75			
31	Antenna Wm (120 De...	None					75			
32	Antenna Wm (150 De...	None					75			
33	Antenna Wm (180 De...	None					75			
34	Antenna Wm (210 De...	None					75			
35	Antenna Wm (240 De...	None					75			
36	Antenna Wm (270 De...	None					75			
37	Antenna Wm (300 De...	None					75			
38	Antenna Wm (330 De...	None					75		1	
39	Structure D	None		-1					3	
40	Structure Di	None						63	3	
41	Structure Wo (0 Deg)	None						126		
42	Structure Wo (30 Deg)	None						126		
43	Structure Wo (60 Deg)	None						126		
44	Structure Wo (90 Deg)	None						126		
45	Structure Wo (120 D...	None						126		
46	Structure Wo (150 D...	None						126		
47	Structure Wo (180 D...	None						126		
48	Structure Wo (210 D...	None						126		
49	Structure Wo (240 D...	None						126		
50	Structure Wo (270 D...	None						126		
51	Structure Wo (300 D...	None						126		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
52	Structure Wo (330 D...	None						126		
53	Structure Wi (0 Deg)	None						126		
54	Structure Wi (30 Deg)	None						126		
55	Structure Wi (60 Deg)	None						126		
56	Structure Wi (90 Deg)	None						126		
57	Structure Wi (120 De...	None						126		
58	Structure Wi (150 De...	None						126		
59	Structure Wi (180 De...	None						126		
60	Structure Wi (210 De...	None						126		
61	Structure Wi (240 De...	None						126		
62	Structure Wi (270 De...	None						126		
63	Structure Wi (300 De...	None						126		
64	Structure Wi (330 De...	None						126		
65	Structure Wm (0 Deg)	None						126		
66	Structure Wm (30 D...	None						126		
67	Structure Wm (60 D...	None						126		
68	Structure Wm (90 D...	None						126		
69	Structure Wm (120 ...	None						126		
70	Structure Wm (150 ...	None						126		
71	Structure Wm (180 ...	None						126		
72	Structure Wm (210 ...	None						126		
73	Structure Wm (240 ...	None						126		
74	Structure Wm (270 ...	None						126		
75	Structure Wm (300 ...	None						126		
76	Structure Wm (330 ...	None						126		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						21		
82	BLC 40 Transient Are...	None						21		

Load Combinations

	Description	S...	PDelta	SRSS	B...	Fa...	B...	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 Deg)	Y...	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30 Deg)	Y...	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 Deg)	Y...	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 Deg)	Y...	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (120 Deg)	Y...	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (150 Deg)	Y...	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (180 Deg)	Y...	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (210 Deg)	Y...	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240 Deg)	Y...	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270 Deg)	Y...	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300 Deg)	Y...	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330 Deg)	Y...	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0Wi (0 D...	Y...	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0Wi (30 ...	Y...	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0Wi (60 ...	Y...	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi (90 ...	Y...	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								

Load Combinations (Continued)

	Description	S...	PDelta	SRSS	B...	Fa...	B...	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
17	1.2D + 1.0Di + 1.0Wi (120...	Y...	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0Di + 1.0Wi (150...	Y...	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1.0Wi (180...	Y...	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1.0Wi (210...	Y...	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0Di + 1.0Wi (240...	Y...	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0Di + 1.0Wi (270...	Y...	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0Di + 1.0Wi (300...	Y...	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										
24	1.2D + 1.0Di + 1.0Wi (330...	Y...	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1										
25	1.2D + 1.5Lm1 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	77	1.5	27	1	65	1												
26	1.2D + 1.5Lm1 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	77	1.5	28	1	66	1												
27	1.2D + 1.5Lm1 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	77	1.5	29	1	67	1												
28	1.2D + 1.5Lm1 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	77	1.5	30	1	68	1												
29	1.2D + 1.5Lm1 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	77	1.5	31	1	69	1												
30	1.2D + 1.5Lm1 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	77	1.5	32	1	70	1												
31	1.2D + 1.5Lm1 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	77	1.5	33	1	71	1												
32	1.2D + 1.5Lm1 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	77	1.5	34	1	72	1												
33	1.2D + 1.5Lm1 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	77	1.5	35	1	73	1												
34	1.2D + 1.5Lm1 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	77	1.5	36	1	74	1												
35	1.2D + 1.5Lm1 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	77	1.5	37	1	75	1												
36	1.2D + 1.5Lm1 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	77	1.5	38	1	76	1												
37	1.2D + 1.5Lm2 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	78	1.5	27	1	65	1												
38	1.2D + 1.5Lm2 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	78	1.5	28	1	66	1												
39	1.2D + 1.5Lm2 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	78	1.5	29	1	67	1												
40	1.2D + 1.5Lm2 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	78	1.5	30	1	68	1												
41	1.2D + 1.5Lm2 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	78	1.5	31	1	69	1												
42	1.2D + 1.5Lm2 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	78	1.5	32	1	70	1												
43	1.2D + 1.5Lm2 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	78	1.5	33	1	71	1												
44	1.2D + 1.5Lm2 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	78	1.5	34	1	72	1												
45	1.2D + 1.5Lm2 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	78	1.5	35	1	73	1												
46	1.2D + 1.5Lm2 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	78	1.5	36	1	74	1												
47	1.2D + 1.5Lm2 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	78	1.5	37	1	75	1												
48	1.2D + 1.5Lm2 + 1.0Wm (...	Y...	Y		1	1.2	39	1.2	78	1.5	38	1	76	1												
49	1.2D + 1.5Lv1	Y...	Y		1	1.2	39	1.2	79	1.5																
50	1.2D + 1.5Lv2	Y...	Y		1	1.2	39	1.2	80	1.5																
51	1.4D	Y...	Y		1	1.4	39	1.4																		
52	Seismic Mass		Y		1	1	39	1																		
53	1.2D + 1.0Ev + 1.0Eh (0 D...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1												
54	1.2D + 1.0Ev + 1.0Eh (30 ...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.8...												
55	1.2D + 1.0Ev + 1.0Eh (60 ...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5												
56	1.2D + 1.0Ev + 1.0Eh (90 ...		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...												

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
2	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	58	1.2
3	A992	29000	11154	.3	.65	.49	50	1.1	58	1.2
4	A500 Gr.42	29000	11154	.3	.65	.49	42	1.3	58	1.1
5	A500 Gr.46	29000	11154	.3	.65	.49	46	1.2	58	1.1
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.5	58	1.2
7	Q235	29000	11154	.3	.65	.49	34	1.5	58	1.2
8	J429-Gr5	29000	11154	.3	.65	.49	92	1.5	120	1.2

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	MOUNT PIPE	PIPE_2.0	Beam	Wide Flan...	A53 Gr.B	Typical	1.02	.627	.627	1.25
2	SUPPORT RAIL BRACE	L2.5x2.5x4	Beam	Wide Flan...	A36 Gr.36	Typical	1.19	.692	.692	.026
3	SUPPORT RAIL	PIPE_2.0	Beam	Wide Flan...	A53 Gr.B	Typical	1.02	.627	.627	1.25
4	FRONT RAIL	PIPE_3.0	Beam	Wide Flan...	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
5	FRONT RAIL CNX	PL1/2x6	Beam	Wide Flan...	A36 Gr.36	Typical	3	.063	9	.237
6	STAND OFF CNX	PL3/8x6	Beam	Wide Flan...	A36 Gr.36	Typical	2.25	.026	6.75	.101
7	GRATING ANGLE	L2x2x3	Beam	Wide Flan...	A36 Gr.36	Typical	.722	.271	.271	.009
8	STAND OFF	HSS4X4X4	Beam	Wide Flan...	A500 Gr.42	Typical	3.37	7.8	7.8	12.8
9	kicker	LL2.5x2.5...	Beam	Wide Flan...	A36 Gr.36	Typical	2.38	3.31	1.38	.052

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	NP12	56.989389	0	38.030411	0	
2	NP11	32.989389	0	-3.538808	0	
3	NP10	8.989389	0	-45.108027	0	
4	NP9	-15.010611	0	-86.677247	0	
5	NP8	-27.244585	0	-86.680673	0	
6	NP7	-51.244585	0	-45.111454	0	
7	NP6	-75.244585	0	-3.542235	0	
8	NP5	-99.244585	0	38.026985	0	
9	NP4	-93.124362	0	48.627066	0	
10	NP3	-45.124362	0	48.627065	0	
11	NP2	2.875638	0	48.627065	0	
12	NP1	50.875638	0	48.627066	0	
13	N57	-39.447777	0	10.57	0	
14	N56	-21.124362	0	-21.127507	0	
15	N55	-2.834959	0	10.550669	0	
16	N53	44.603205	0	46.89261	0	
17	N51	2.076281	0	48.627066	0	
18	N50	-44.333455	0	48.627066	0	
19	N48	-87.333455	0	48.627066	0	
20	N45	-96.349	0	33.011685	0	
21	N43	-74.849	0	-4.227408	0	
22	N42	-49.855641	0	-43.807925	0	
23	N40	-30.144131	0	-81.65851	0	
24	N37	-12.113043	0	-81.65851	0	
25	N35	7.598399	0	-43.808279	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
26	N34	32.591825	0	-4.227408	0	
27	N32	52.353205	0	33.469216	0	
28	N30	-21.14	0	-38.08032	0	
29	N29	5.026113	0	-38.080316	0	
30	N28	-47.283288	0	-38.080316	0	
31	N27	-21.14	0	-83.381588	0	
32	N26	-15.128587	0	-83.381587	0	
33	N25	-27.128587	0	-83.381587	0	
34	N24	9.871413	0	-38.080316	0	
35	N23	-52.128587	0	-38.080316	0	
36	N22	9.870729	0	-40.080444	0	
37	N21	-52.128729	0	-40.080444	0	
38	N20	11.846211	0	19.026847	0	
39	N19	-1.23312	0	41.680913	0	
40	N18	24.92158	0	-3.620357	0	
41	N17	51.078262	0	41.677482	0	
42	N16	48.076281	0	46.877066	0	
43	N15	54.076281	0	36.484761	0	
44	N14	-3.65577	0	45.877066	0	
45	N13	27.34423	0	-7.816509	0	
46	N12	-1.923719	0	46.877066	0	
47	N11	29.076281	0	-6.816509	0	
48	N10	-54.101405	0	19.030276	0	
49	N9	-67.178755	0	-3.620357	0	
50	N8	-41.024054	0	41.680913	0	
51	N7	-93.333456	0	41.680911	0	
52	N6	-96.333455	0	36.484761	0	
53	N5	-90.333455	0	46.877066	0	
54	N4	-69.601404	0	-7.816509	0	
55	N3	-38.601404	0	45.877066	0	
56	N2	-71.333455	0	-6.816509	0	
57	N1	-40.333455	0	46.877066	0	
58	N144	-39.447777	-30	10.57	0	
59	N145	-21.124362	-30	-21.127507	0	
60	N146	-2.834959	-30	10.550669	0	
61	N147	-80.343075	0	34.180911	0	
62	N148	-21.136232	0	-68.381589	0	
63	N149	38.087881	0	34.177482	0	
64	N150	56.989389	42	38.030411	0	
65	N153	-15.010611	42	-86.677247	0	
66	N154	-27.244585	42	-86.680673	0	
67	N157	-99.244585	42	38.026985	0	
68	N158	-93.124362	42	48.627066	0	
69	N161	50.875638	42	48.627066	0	
70	N162	45.076281	42	48.627066	0	
71	N163	-87.333455	42	48.627066	0	
72	N164	-96.349	42	33.011685	0	
73	N165	-30.144131	42	-81.65851	0	
74	N166	-12.113043	42	-81.65851	0	
75	N167	54.091825	42	33.011685	0	
76	N95	-90.124362	42	48.627066	0	
77	N77	-45.124362	42	48.627066	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
78	N78	-0.124362	42	48.627066	0	
79	N79	47.875638	42	48.627066	0	
80	N80	-90.124362	42	51.627066	0	
81	N81	-45.124362	42	51.627066	0	
82	N82	-0.124362	42	51.627066	0	
83	N83	47.875638	42	51.627066	0	
84	N84	-90.124362	69	51.627066	0	
85	N85	-45.124362	69	51.627066	0	
86	N86	-0.124362	69	51.627066	0	
87	N87	47.875638	69	51.627066	0	
88	N88	-90.124362	-27	51.627066	0	
89	N89	-45.124362	-27	51.627066	0	
90	N90	-0.124362	-27	51.627066	0	
91	N91	47.875638	-27	51.627066	0	
92	N92	-90.124362	0	48.627066	0	
93	N94	-0.124362	0	48.627066	0	
94	N95A	47.875638	0	48.627066	0	
95	N96	-90.124362	0	51.627066	0	
96	N97	-45.124362	0	51.627066	0	
97	N98	-0.124362	0	51.627066	0	
98	N99	47.875638	0	51.627066	0	
99	N99A	20.989389	0	-24.323418	0	
100	N100	-21.124362	0	48.627066	0	
101	N101	-21.124362	0	-0.00903	0	
102	N103	55.495732	42	35.428675	0	
103	N104	32.995732	42	-3.542468	0	
104	N105	10.495732	42	-42.513611	0	
105	N106	-13.504268	42	-84.08283	0	
106	N107	58.093808	42	33.928675	0	
107	N108	35.593808	42	-5.042468	0	
108	N109	13.093808	42	-44.013611	0	
109	N110	-10.906192	42	-85.58283	0	
110	N111	58.093808	69	33.928675	0	
111	N112	35.593808	69	-5.042468	0	
112	N113	13.093808	69	-44.013611	0	
113	N114	-10.906192	69	-85.58283	0	
114	N115	58.093808	-27	33.928675	0	
115	N116	35.593808	-27	-5.042468	0	
116	N117	13.093808	-27	-44.013611	0	
117	N118	-10.906192	-27	-85.58283	0	
118	N119	55.495732	0	35.428675	0	
119	N120	10.495732	0	-42.513611	0	
120	N121	-13.504268	0	-84.08283	0	
121	N122	58.093808	0	33.928675	0	
122	N123	35.593808	0	-5.042468	0	
123	N124	13.093808	0	-44.013611	0	
124	N125	-10.906192	0	-85.58283	0	
125	N128	-28.744457	42	-84.08283	0	
126	N129	-51.244457	42	-45.111687	0	
127	N130	-73.744457	42	-6.140544	0	
128	N131	-97.744457	42	35.428675	0	
129	N132	-31.342533	42	-85.58283	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
130	N133	-53.842533	42	-46.611687	0	
131	N134	-76.342533	42	-7.640544	0	
132	N135	-100.342533	42	33.928675	0	
133	N136	-31.342533	69	-85.58283	0	
134	N137	-53.842533	69	-46.611687	0	
135	N138	-76.342533	69	-7.640544	0	
136	N139	-100.342533	69	33.928675	0	
137	N140	-31.342533	-27	-85.58283	0	
138	N141	-53.842533	-27	-46.611687	0	
139	N142	-76.342533	-27	-7.640544	0	
140	N143	-100.342533	-27	33.928675	0	
141	N144A	-28.744457	0	-84.08283	0	
142	N145A	-73.744457	0	-6.140544	0	
143	N146A	-97.744457	0	35.428675	0	
144	N147A	-31.342533	0	-85.58283	0	
145	N148A	-53.842533	0	-46.611687	0	
146	N149A	-76.342533	0	-7.640544	0	
147	N150A	-100.342533	0	33.928675	0	
148	N148B	46.075638	0	48.627066	0	
149	N149B	46.076281	0	46.877066	0	
150	N150B	53.215004	0	34.977257	0	
151	N151	54.70794	0	34.078826	0	
152	N152	-13.370134	0	-80.381592	0	
153	N153A	-28.870134	0	-80.381592	0	
154	N158A	-12.604268	0	-82.523985	0	
155	N159	-14.120134	0	-81.649542	0	
156	N160	-94.606157	0	33.461893	0	
157	N161A	-86.856157	0	46.885287	0	
158	N166A	-96.844457	0	33.86983	0	
159	N167A	-95.329233	0	34.745387	0	
160	N160A	-27.994515	0	-81.881595	0	
161	N161B	-29.519046	0	-82.7253	0	
162	N162A	-88.59249	0	46.877338	0	
163	N163A	-88.560894	0	48.619473	0	
164	N164A	-44.689162	0	46.772793	0	
165	N165A	-73.416488	0	-2.983688	0	
166	N168	31.172802	0	-2.991868	0	
167	N169	2.446089	0	46.764967	0	
168	N168A	0.261185	0	46.821016	0	
169	N169A	-42.511308	0	46.82493	0	
170	N170	0.261185	0	48.571016	0	
171	N171	-42.511308	0	48.57493	0	
172	N172	8.739391	0	-41.944121	0	
173	N173	30.129027	0	-4.904012	0	
174	N174	10.254936	0	-42.819121	0	
175	N175	31.644571	0	-5.779012	0	
176	N176	-72.372576	0	-4.903895	0	
177	N177	-50.989719	0	-41.947917	0	
178	N178	-73.888121	0	-5.778895	0	
179	N179	-52.505263	0	-42.822917	0	

Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1	N56	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	N10						
3	N55	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
4	N57	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
5	N144	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
6	N145	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
7	N146	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate...	Section/Shape	Type	Design List	Material	Design Rul...
1	M3	N3	N1			STAND OFF CNX	Beam	Wide Flange	A36 Gr.36	Typical
2	M5	N4	N2			STAND OFF CNX	Beam	Wide Flange	A36 Gr.36	Typical
3	M7	N7	N9			GRATING ANGLE	Beam	Wide Flange	A36 Gr.36	Typical
4	M8	N7	N8			GRATING ANGLE	Beam	Wide Flange	A36 Gr.36	Typical
5	M11	N7	N57			STAND OFF	Beam	Wide Flange	A500 Gr....	Typical
6	M12	N3	N10			HSS4X4X4	Beam	Tube	Q235	Typical
7	M13	N10	N4			HSS4X4X4	Beam	Tube	Q235	Typical
8	M14	N17	N15			FRONT RAIL CNX	Beam	Wide Flange	A36 Gr.36	Typical
9	M15	N17	N16			FRONT RAIL CNX	Beam	Wide Flange	A36 Gr.36	Typical
10	M16	N13	N11			STAND OFF CNX	Beam	Wide Flange	A36 Gr.36	Typical
11	M18	N14	N12			STAND OFF CNX	Beam	Wide Flange	A36 Gr.36	Typical
12	M20	N17	N19			GRATING ANGLE	Beam	Wide Flange	A36 Gr.36	Typical
13	M21	N17	N18			GRATING ANGLE	Beam	Wide Flange	A36 Gr.36	Typical
14	M22	N15	N32			FRONT RAIL CNX	Beam	Wide Flange	A36 Gr.36	Typical
15	M23	N16	N53			FRONT RAIL CNX	Beam	Wide Flange	A36 Gr.36	Typical
16	M24	N17	N55			STAND OFF	Beam	Wide Flange	A500 Gr....	Typical
17	M25	N13	N20			HSS4X4X4	Beam	Tube	Q235	Typical
18	M26	N20	N14			HSS4X4X4	Beam	Tube	Q235	Typical
19	M29	N23	N21			STAND OFF CNX	Beam	Wide Flange	A36 Gr.36	Typical
20	M30	N21	N42			STAND OFF CNX	Beam	Wide Flange	A36 Gr.36	Typical
21	M31	N24	N22			STAND OFF CNX	Beam	Wide Flange	A36 Gr.36	Typical
22	M32	N22	N35			STAND OFF CNX	Beam	Wide Flange	A36 Gr.36	Typical
23	M33	N27	N29			GRATING ANGLE	Beam	Wide Flange	A36 Gr.36	Typical
24	M34	N27	N28			GRATING ANGLE	Beam	Wide Flange	A36 Gr.36	Typical
25	M37	N27	N56			STAND OFF	Beam	Wide Flange	A500 Gr....	Typical
26	M38	N23	N30			HSS4X4X4	Beam	Tube	Q235	Typical
27	M39	N30	N24			HSS4X4X4	Beam	Tube	Q235	Typical
28	M40	NP12	NP9			FRONT RAIL	Beam	Wide Flange	A53 Gr.B	Typical
29	M41	NP8	NP5			FRONT RAIL	Beam	Wide Flange	A53 Gr.B	Typical
30	M42	NP4	NP1			FRONT RAIL	Beam	Wide Flange	A53 Gr.B	Typical
31	M139	N144	N147			kicker	Beam	Wide Flange	A36 Gr.36	Typical
32	M140	N145	N148			kicker	Beam	Wide Flange	A36 Gr.36	Typical
33	M141	N146	N149			kicker	Beam	Wide Flange	A36 Gr.36	Typical
34	M154	N158	N161			SUPPORT RAIL	Beam	Wide Flange	A53 Gr.B	Typical
35	M155	N150	N153			SUPPORT RAIL	Beam	Wide Flange	A53 Gr.B	Typical
36	M156	N154	N157			SUPPORT RAIL	Beam	Wide Flange	A53 Gr.B	Typical
37	M157	N163	N164		180	L2.5x2.5x4	Beam	Single Angle	Q235	Typical
38	M158	N165	N166		180	L2.5x2.5x4	Beam	Single Angle	Q235	Typical
39	M159	N167	N162		180	L2.5x2.5x4	Beam	Single Angle	Q235	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate...	Section/Shape	Type	Design List	Material	Design Rul...
40	M52	N95	N80			RIGID	None	None	RIGID	Typical
41	M53	N77	N81			RIGID	None	None	RIGID	Typical
42	M54	N78	N82			RIGID	None	None	RIGID	Typical
43	M55	N79	N83			RIGID	None	None	RIGID	Typical
44	MP4A	N84	N88			MOUNT PIPE	Beam	Wide Flange	A53 Gr.B	Typical
45	MP3A	N85	N89			MOUNT PIPE	Beam	Wide Flange	A53 Gr.B	Typical
46	MP2A	N86	N90			MOUNT PIPE	Beam	Wide Flange	A53 Gr.B	Typical
47	MP1A	N87	N91			MOUNT PIPE	Beam	Wide Flange	A53 Gr.B	Typical
48	M60	N92	N96			RIGID	None	None	RIGID	Typical
49	M61	NP3	N97			RIGID	None	None	RIGID	Typical
50	M62	N94	N98			RIGID	None	None	RIGID	Typical
51	M63	N95A	N99			RIGID	None	None	RIGID	Typical
52	M64	N103	N107			RIGID	None	None	RIGID	Typical
53	M65	N104	N108			RIGID	None	None	RIGID	Typical
54	M66	N105	N109			RIGID	None	None	RIGID	Typical
55	M67	N106	N110			RIGID	None	None	RIGID	Typical
56	MP4C	N111	N115			MOUNT PIPE	Beam	Wide Flange	A53 Gr.B	Typical
57	MP3C	N112	N116			MOUNT PIPE	Beam	Wide Flange	A53 Gr.B	Typical
58	MP2C	N113	N117			MOUNT PIPE	Beam	Wide Flange	A53 Gr.B	Typical
59	MP1C	N114	N118			MOUNT PIPE	Beam	Wide Flange	A53 Gr.B	Typical
60	M72	N119	N122			RIGID	None	None	RIGID	Typical
61	M73	NP11	N123			RIGID	None	None	RIGID	Typical
62	M74	N120	N124			RIGID	None	None	RIGID	Typical
63	M75	N121	N125			RIGID	None	None	RIGID	Typical
64	M76	N128	N132			RIGID	None	None	RIGID	Typical
65	M77	N129	N133			RIGID	None	None	RIGID	Typical
66	M78	N130	N134			RIGID	None	None	RIGID	Typical
67	M79	N131	N135			RIGID	None	None	RIGID	Typical
68	MP4B	N136	N140			MOUNT PIPE	Beam	Wide Flange	A53 Gr.B	Typical
69	MP3B	N137	N141			MOUNT PIPE	Beam	Wide Flange	A53 Gr.B	Typical
70	MP2B	N138	N142			MOUNT PIPE	Beam	Wide Flange	A53 Gr.B	Typical
71	MP1B	N139	N143			MOUNT PIPE	Beam	Wide Flange	A53 Gr.B	Typical
72	M84	N144A	N147A			RIGID	None	None	RIGID	Typical
73	M85	NP7	N148A			RIGID	None	None	RIGID	Typical
74	M86	N145A	N149A			RIGID	None	None	RIGID	Typical
75	M87	N146A	N150A			RIGID	None	None	RIGID	Typical
76	M88	N149B	N148B			RIGID	None	None	RIGID	Typical
77	M89	N150B	N151			RIGID	None	None	RIGID	Typical
78	M82	N27	N25			FRONT RAIL CNX	Beam	Wide Flange	A36 Gr.36	Typical
79	M83	N27	N26			FRONT RAIL CNX	Beam	Wide Flange	A36 Gr.36	Typical
80	M84A	N25	N153A			FRONT RAIL CNX	Beam	Wide Flange	A36 Gr.36	Typical
81	M85A	N26	N152			FRONT RAIL CNX	Beam	Wide Flange	A36 Gr.36	Typical
82	M86A	N159	N158A			RIGID	None	None	RIGID	Typical
83	M87A	N7	N5			FRONT RAIL CNX	Beam	Wide Flange	A36 Gr.36	Typical
84	M88A	N7	N6			FRONT RAIL CNX	Beam	Wide Flange	A36 Gr.36	Typical
85	M89A	N5	N161A			FRONT RAIL CNX	Beam	Wide Flange	A36 Gr.36	Typical
86	M90	N6	N160			FRONT RAIL CNX	Beam	Wide Flange	A36 Gr.36	Typical
87	M91	N167A	N166A			RIGID	None	None	RIGID	Typical
88	M92	N160A	N161B			RIGID	None	None	RIGID	Typical
89	M93	N162A	N163A			RIGID	None	None	RIGID	Typical
90	M90A	N1	N164A			STAND OFF CNX	Beam	Wide Flange	A36 Gr.36	Typical
91	M91A	N2	N165A			STAND OFF CNX	Beam	Wide Flange	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate...	Section/Shape	Type	Design List	Material	Design Rul...
92	M92A	N11	N168			STAND OFF CNX	Beam	Wide Flange	A36 Gr.36	Typical
93	M93A	N12	N169			STAND OFF CNX	Beam	Wide Flange	A36 Gr.36	Typical
94	M94	N168A	N170			RIGID	None	None	RIGID	Typical
95	M95	N169A	N171			RIGID	None	None	RIGID	Typical
96	M96	N172	N174			RIGID	None	None	RIGID	Typical
97	M97	N173	N175			RIGID	None	None	RIGID	Typical
98	M98	N176	N178			RIGID	None	None	RIGID	Typical
99	M99	N177	N179			RIGID	None	None	RIGID	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	M3						Yes				None
2	M5						Yes				None
3	M7						Yes				None
4	M8						Yes				None
5	M11						Yes				None
6	M12						Yes				None
7	M13						Yes				None
8	M14						Yes				None
9	M15						Yes				None
10	M16						Yes				None
11	M18						Yes				None
12	M20						Yes				None
13	M21						Yes				None
14	M22						Yes				None
15	M23						Yes				None
16	M24						Yes				None
17	M25						Yes				None
18	M26						Yes				None
19	M29						Yes				None
20	M30						Yes				None
21	M31						Yes				None
22	M32						Yes				None
23	M33						Yes				None
24	M34						Yes	Default			None
25	M37	BenPIN					Yes	Default			None
26	M38						Yes				None
27	M39						Yes				None
28	M40						Yes				None
29	M41						Yes				None
30	M42						Yes	Default			None
31	M139	BenPIN	BenPIN				Yes	Default			None
32	M140	BenPIN	BenPIN				Yes				None
33	M141	BenPIN	BenPIN				Yes	Default			None
34	M154						Yes				None
35	M155						Yes				None
36	M156						Yes				None
37	M157						Yes				None
38	M158						Yes				None
39	M159						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
40	M52						Yes	** NA **			None
41	M53						Yes	** NA **			None
42	M54						Yes	** NA **			None
43	M55						Yes	** NA **			None
44	MP4A						Yes				None
45	MP3A						Yes				None
46	MP2A						Yes				None
47	MP1A						Yes				None
48	M60						Yes	** NA **			None
49	M61						Yes	** NA **			None
50	M62						Yes	** NA **			None
51	M63						Yes	** NA **			None
52	M64						Yes	** NA **			None
53	M65						Yes	** NA **			None
54	M66						Yes	** NA **			None
55	M67						Yes	** NA **			None
56	MP4C						Yes				None
57	MP3C						Yes				None
58	MP2C						Yes				None
59	MP1C						Yes				None
60	M72						Yes	** NA **			None
61	M73						Yes	** NA **			None
62	M74						Yes	** NA **			None
63	M75						Yes	** NA **			None
64	M76						Yes	** NA **			None
65	M77						Yes	** NA **			None
66	M78						Yes	** NA **			None
67	M79						Yes	** NA **			None
68	MP4B						Yes				None
69	MP3B						Yes				None
70	MP2B						Yes				None
71	MP1B						Yes				None
72	M84						Yes	** NA **			None
73	M85						Yes	** NA **			None
74	M86						Yes	** NA **			None
75	M87						Yes	** NA **			None
76	M88		BenPIN				Yes	** NA **			None
77	M89		BenPIN				Yes	** NA **			None
78	M82						Yes				None
79	M83						Yes				None
80	M84A						Yes				None
81	M85A						Yes				None
82	M86A		BenPIN				Yes	** NA **			None
83	M87A						Yes				None
84	M88A						Yes				None
85	M89A						Yes				None
86	M90						Yes				None
87	M91		BenPIN				Yes	** NA **			None
88	M92		BenPIN				Yes	** NA **			None
89	M93		BenPIN				Yes	** NA **			None
90	M90A						Yes				None
91	M91A						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
92	M92A						Yes				None
93	M93A						Yes				None
94	M94		BenPIN				Yes	** NA **			None
95	M95		BenPIN				Yes	** NA **			None
96	M96		BenPIN				Yes	** NA **			None
97	M97		BenPIN				Yes	** NA **			None
98	M98		BenPIN				Yes	** NA **			None
99	M99		BenPIN				Yes	** NA **			None

Hot Rolled Steel Design Parameters

	Label	Shape	Length[in]	Lbyy[in]	Lbzz[in]	Lcomp top[in]	Lcomp bot[in]	L-torqu...	Kyy	Kzz	Cb	Function
1	M3	STAND OF...	2			Lbyy			.65	.65		Lateral
2	M5	STAND OF...	2			Lbyy			.65	.65		Lateral
3	M7	GRATING ...	52.309			Lbyy			.65	.65		Lateral
4	M8	GRATING ...	52.309			Lbyy			.65	.65		Lateral
5	M11	STAND OFF	62.222			Lbyy			.65	.65		Lateral
6	M12	HSS4X4X4	31			Lbyy			.65	.65		Lateral
7	M13	HSS4X4X4	31			Lbyy			.65	.65		Lateral
8	M14	FRONT RAI...	5.996			Lbyy			.65	.65		Lateral
9	M15	FRONT RAI...	6.004			Lbyy			.65	.65		Lateral
10	M16	STAND OF...	2			Lbyy			.65	.65		Lateral
11	M18	STAND OF...	2			Lbyy			.65	.65		Lateral
12	M20	GRATING ...	52.311			Lbyy			.65	.65		Lateral
13	M21	GRATING ...	52.307			Lbyy			.65	.65		Lateral
14	M22	FRONT RAI...	3.473			Lbyy			.65	.65		Lateral
15	M23	FRONT RAI...	3.473			Lbyy			.65	.65		Lateral
16	M24	STAND OFF	62.254			Lbyy			.65	.65		Lateral
17	M25	HSS4X4X4	30.996			Lbyy			.65	.65		Lateral
18	M26	HSS4X4X4	31.004			Lbyy			.65	.65		Lateral
19	M29	STAND OF...	2			Lbyy			.65	.65		Lateral
20	M30	STAND OF...	4.366			Lbyy			.65	.65		Lateral
21	M31	STAND OF...	2			Lbyy			.65	.65		Lateral
22	M32	STAND OF...	4.366			Lbyy			.65	.65		Lateral
23	M33	GRATING ...	52.315			Lbyy			.65	.65		Lateral
24	M34	GRATING ...	52.304			Lbyy			.65	.65		Lateral
25	M37	STAND OFF	62.254			Lbyy			.65	.65		Lateral
26	M38	HSS4X4X4	30.989			Lbyy			.65	.65		Lateral
27	M39	HSS4X4X4	31.011			Lbyy			.65	.65		Lateral
28	M40	FRONT RAIL	144			Lbyy			1	1		Lateral
29	M41	FRONT RAIL	144			Lbyy			1	1		Lateral
30	M42	FRONT RAIL	144			Lbyy			1	1		Lateral
31	M139	kicker	55.946			Lbyy						Lateral
32	M140	kicker	55.973			Lbyy						Lateral
33	M141	kicker	55.972			Lbyy						Lateral
34	M154	SUPPORT ...	144			Lbyy						Lateral
35	M155	SUPPORT ...	144			Lbyy						Lateral
36	M156	SUPPORT ...	144			Lbyy						Lateral
37	M157	L2.5x2.5x4	18.031			Lbyy						Lateral
38	M158	L2.5x2.5x4	18.031			Lbyy						Lateral
39	M159	L2.5x2.5x4	18.031			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[in]	Lbyy[in]	Lbzz[in]	Lcomp top[in]	Lcomp bot[in]	L-torqu...	Kyy	Kzz	Cb	Function
40	MP4A	MOUNT PI...	96			Lbyy						Lateral
41	MP3A	MOUNT PI...	96			Lbyy						Lateral
42	MP2A	MOUNT PI...	96			Lbyy						Lateral
43	MP1A	MOUNT PI...	96			Lbyy						Lateral
44	MP4C	MOUNT PI...	96			Lbyy						Lateral
45	MP3C	MOUNT PI...	96			Lbyy						Lateral
46	MP2C	MOUNT PI...	96			Lbyy						Lateral
47	MP1C	MOUNT PI...	96			Lbyy						Lateral
48	MP4B	MOUNT PI...	96			Lbyy						Lateral
49	MP3B	MOUNT PI...	96			Lbyy						Lateral
50	MP2B	MOUNT PI...	96			Lbyy						Lateral
51	MP1B	MOUNT PI...	96			Lbyy						Lateral
52	M82	FRONT RAI...	5.989			Lbyy			.65	.65		Lateral
53	M83	FRONT RAI...	6.011			Lbyy			.65	.65		Lateral
54	M84A	FRONT RAI...	3.469			Lbyy			.65	.65		Lateral
55	M85A	FRONT RAI...	3.477			Lbyy			.65	.65		Lateral
56	M87A	FRONT RAI...	6			Lbyy			.65	.65		Lateral
57	M88A	FRONT RAI...	6			Lbyy			.65	.65		Lateral
58	M89A	FRONT RAI...	3.477			Lbyy			.65	.65		Lateral
59	M90	FRONT RAI...	3.482			Lbyy			.65	.65		Lateral
60	M90A	STAND OF...	4.357			Lbyy			.65	.65		Lateral
61	M91A	STAND OF...	4.362			Lbyy			.65	.65		Lateral
62	M92A	STAND OF...	4.362			Lbyy			.65	.65		Lateral
63	M93A	STAND OF...	4.371			Lbyy			.65	.65		Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	Y	-43.55	24
2	MP3A	My	-.044	24
3	MP3A	Mz	0	24
4	MP3A	Y	-43.55	60
5	MP3A	My	-.044	60
6	MP3A	Mz	0	60
7	MP3B	Y	-43.55	24
8	MP3B	My	.022	24
9	MP3B	Mz	-.038	24
10	MP3B	Y	-43.55	60
11	MP3B	My	.022	60
12	MP3B	Mz	-.038	60
13	MP3C	Y	-43.55	24
14	MP3C	My	.022	24
15	MP3C	Mz	-.038	24
16	MP3C	Y	-43.55	60
17	MP3C	My	.022	60
18	MP3C	Mz	-.038	60
19	MP2A	Y	-32.5	12
20	MP2A	My	-.033	12
21	MP2A	Mz	.016	12
22	MP2A	Y	-32.5	84
23	MP2A	My	-.033	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
24	MP2A	Mz	.016	84
25	MP2B	Y	-32.5	12
26	MP2B	My	.002	12
27	MP2B	Mz	-.036	12
28	MP2B	Y	-32.5	84
29	MP2B	My	.002	84
30	MP2B	Mz	-.036	84
31	MP2C	Y	-32.5	12
32	MP2C	My	.03	12
33	MP2C	Mz	.02	12
34	MP2C	Y	-32.5	84
35	MP2C	My	.03	84
36	MP2C	Mz	.02	84
37	MP2A	Y	-32.5	12
38	MP2A	My	-.033	12
39	MP2A	Mz	-.016	12
40	MP2A	Y	-32.5	84
41	MP2A	My	-.033	84
42	MP2A	Mz	-.016	84
43	MP2B	Y	-32.5	12
44	MP2B	My	.03	12
45	MP2B	Mz	-.02	12
46	MP2B	Y	-32.5	84
47	MP2B	My	.03	84
48	MP2B	Mz	-.02	84
49	MP2C	Y	-32.5	12
50	MP2C	My	.002	12
51	MP2C	Mz	.036	12
52	MP2C	Y	-32.5	84
53	MP2C	My	.002	84
54	MP2C	Mz	.036	84
55	MP1A	Y	-32	12
56	MP1A	My	0	12
57	MP1A	Mz	0	12
58	MP2A	Y	-70.3	36
59	MP2A	My	.035	36
60	MP2A	Mz	0	36
61	MP2B	Y	-70.3	36
62	MP2B	My	.035	36
63	MP2B	Mz	0	36
64	MP2C	Y	-70.3	36
65	MP2C	My	.035	36
66	MP2C	Mz	0	36
67	MP2A	Y	-84.4	60
68	MP2A	My	.042	60
69	MP2A	Mz	0	60
70	MP2B	Y	-84.4	60
71	MP2B	My	-.021	60
72	MP2B	Mz	.037	60
73	MP2C	Y	-84.4	60
74	MP2C	My	-.021	60
75	MP2C	Mz	-.037	60

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	Y	-36.123	24
2	MP3A	My	-.036	24
3	MP3A	Mz	0	24
4	MP3A	Y	-36.123	60
5	MP3A	My	-.036	60
6	MP3A	Mz	0	60
7	MP3B	Y	-36.123	24
8	MP3B	My	.018	24
9	MP3B	Mz	-.031	24
10	MP3B	Y	-36.123	60
11	MP3B	My	.018	60
12	MP3B	Mz	-.031	60
13	MP3C	Y	-36.123	24
14	MP3C	My	.018	24
15	MP3C	Mz	-.031	24
16	MP3C	Y	-36.123	60
17	MP3C	My	.018	60
18	MP3C	Mz	-.031	60
19	MP2A	Y	-69.888	12
20	MP2A	My	-.07	12
21	MP2A	Mz	.035	12
22	MP2A	Y	-69.888	84
23	MP2A	My	-.07	84
24	MP2A	Mz	.035	84
25	MP2B	Y	-69.888	12
26	MP2B	My	.005	12
27	MP2B	Mz	-.078	12
28	MP2B	Y	-69.888	84
29	MP2B	My	.005	84
30	MP2B	Mz	-.078	84
31	MP2C	Y	-69.888	12
32	MP2C	My	.065	12
33	MP2C	Mz	.043	12
34	MP2C	Y	-69.888	84
35	MP2C	My	.065	84
36	MP2C	Mz	.043	84
37	MP2A	Y	-69.888	12
38	MP2A	My	-.07	12
39	MP2A	Mz	-.035	12
40	MP2A	Y	-69.888	84
41	MP2A	My	-.07	84
42	MP2A	Mz	-.035	84
43	MP2B	Y	-69.888	12
44	MP2B	My	.065	12
45	MP2B	Mz	-.043	12
46	MP2B	Y	-69.888	84
47	MP2B	My	.065	84
48	MP2B	Mz	-.043	84
49	MP2C	Y	-69.888	12
50	MP2C	My	.005	12
51	MP2C	Mz	.078	12
52	MP2C	Y	-69.888	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	My	.005	84
54	MP2C	Mz	.078	84
55	MP1A	Y	-89.149	12
56	MP1A	My	0	12
57	MP1A	Mz	0	12
58	MP2A	Y	-40.969	36
59	MP2A	My	.02	36
60	MP2A	Mz	0	36
61	MP2B	Y	-40.969	36
62	MP2B	My	.02	36
63	MP2B	Mz	0	36
64	MP2C	Y	-40.969	36
65	MP2C	My	.02	36
66	MP2C	Mz	0	36
67	MP2A	Y	-45.552	60
68	MP2A	My	.023	60
69	MP2A	Mz	0	60
70	MP2B	Y	-45.552	60
71	MP2B	My	-.011	60
72	MP2B	Mz	.02	60
73	MP2C	Y	-45.552	60
74	MP2C	My	-.011	60
75	MP2C	Mz	-.02	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	0	24
2	MP3A	Z	-106.392	24
3	MP3A	Mx	0	24
4	MP3A	X	0	60
5	MP3A	Z	-106.392	60
6	MP3A	Mx	0	60
7	MP3B	X	0	24
8	MP3B	Z	-57.837	24
9	MP3B	Mx	.05	24
10	MP3B	X	0	60
11	MP3B	Z	-57.837	60
12	MP3B	Mx	.05	60
13	MP3C	X	0	24
14	MP3C	Z	-57.837	24
15	MP3C	Mx	.05	24
16	MP3C	X	0	60
17	MP3C	Z	-57.837	60
18	MP3C	Mx	.05	60
19	MP2A	X	0	12
20	MP2A	Z	-184.036	12
21	MP2A	Mx	-.092	12
22	MP2A	X	0	84
23	MP2A	Z	-184.036	84
24	MP2A	Mx	-.092	84
25	MP2B	X	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP2B	Z	-161.456	12
27	MP2B	Mx	.18	12
28	MP2B	X	0	84
29	MP2B	Z	-161.456	84
30	MP2B	Mx	.18	84
31	MP2C	X	0	12
32	MP2C	Z	-161.456	12
33	MP2C	Mx	-.099	12
34	MP2C	X	0	84
35	MP2C	Z	-161.456	84
36	MP2C	Mx	-.099	84
37	MP2A	X	0	12
38	MP2A	Z	-184.036	12
39	MP2A	Mx	.092	12
40	MP2A	X	0	84
41	MP2A	Z	-184.036	84
42	MP2A	Mx	.092	84
43	MP2B	X	0	12
44	MP2B	Z	-161.456	12
45	MP2B	Mx	.099	12
46	MP2B	X	0	84
47	MP2B	Z	-161.456	84
48	MP2B	Mx	.099	84
49	MP2C	X	0	12
50	MP2C	Z	-161.456	12
51	MP2C	Mx	-.18	12
52	MP2C	X	0	84
53	MP2C	Z	-161.456	84
54	MP2C	Mx	-.18	84
55	MP1A	X	0	12
56	MP1A	Z	-183.81	12
57	MP1A	Mx	0	12
58	MP2A	X	0	36
59	MP2A	Z	-84.661	36
60	MP2A	Mx	0	36
61	MP2B	X	0	36
62	MP2B	Z	-84.661	36
63	MP2B	Mx	0	36
64	MP2C	X	0	36
65	MP2C	Z	-84.661	36
66	MP2C	Mx	0	36
67	MP2A	X	0	60
68	MP2A	Z	-84.661	60
69	MP2A	Mx	0	60
70	MP2B	X	0	60
71	MP2B	Z	-63.609	60
72	MP2B	Mx	-.028	60
73	MP2C	X	0	60
74	MP2C	Z	-63.609	60
75	MP2C	Mx	.028	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	45.104	24
2	MP3A	Z	-78.122	24
3	MP3A	Mx	-.045	24
4	MP3A	X	45.104	60
5	MP3A	Z	-78.122	60
6	MP3A	Mx	-.045	60
7	MP3B	X	20.826	24
8	MP3B	Z	-36.072	24
9	MP3B	Mx	.042	24
10	MP3B	X	20.826	60
11	MP3B	Z	-36.072	60
12	MP3B	Mx	.042	60
13	MP3C	X	20.826	24
14	MP3C	Z	-36.072	24
15	MP3C	Mx	.042	24
16	MP3C	X	20.826	60
17	MP3C	Z	-36.072	60
18	MP3C	Mx	.042	60
19	MP2A	X	88.255	12
20	MP2A	Z	-152.861	12
21	MP2A	Mx	-.165	12
22	MP2A	X	88.255	84
23	MP2A	Z	-152.861	84
24	MP2A	Mx	-.165	84
25	MP2B	X	76.965	12
26	MP2B	Z	-133.307	12
27	MP2B	Mx	.154	12
28	MP2B	X	76.965	84
29	MP2B	Z	-133.307	84
30	MP2B	Mx	.154	84
31	MP2C	X	88.255	12
32	MP2C	Z	-152.861	12
33	MP2C	Mx	-.012	12
34	MP2C	X	88.255	84
35	MP2C	Z	-152.861	84
36	MP2C	Mx	-.012	84
37	MP2A	X	88.255	12
38	MP2A	Z	-152.861	12
39	MP2A	Mx	-.012	12
40	MP2A	X	88.255	84
41	MP2A	Z	-152.861	84
42	MP2A	Mx	-.012	84
43	MP2B	X	76.965	12
44	MP2B	Z	-133.307	12
45	MP2B	Mx	.154	12
46	MP2B	X	76.965	84
47	MP2B	Z	-133.307	84
48	MP2B	Mx	.154	84
49	MP2C	X	88.255	12
50	MP2C	Z	-152.861	12
51	MP2C	Mx	-.165	12
52	MP2C	X	88.255	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	-152.861	84
54	MP2C	Mx	-.165	84
55	MP1A	X	86.458	12
56	MP1A	Z	-149.749	12
57	MP1A	Mx	0	12
58	MP2A	X	37.478	36
59	MP2A	Z	-64.913	36
60	MP2A	Mx	.019	36
61	MP2B	X	37.478	36
62	MP2B	Z	-64.913	36
63	MP2B	Mx	.019	36
64	MP2C	X	37.478	36
65	MP2C	Z	-64.913	36
66	MP2C	Mx	.019	36
67	MP2A	X	38.822	60
68	MP2A	Z	-67.241	60
69	MP2A	Mx	.019	60
70	MP2B	X	28.296	60
71	MP2B	Z	-49.01	60
72	MP2B	Mx	-.028	60
73	MP2C	X	38.822	60
74	MP2C	Z	-67.241	60
75	MP2C	Mx	.019	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	50.089	24
2	MP3A	Z	-28.919	24
3	MP3A	Mx	-.05	24
4	MP3A	X	50.089	60
5	MP3A	Z	-28.919	60
6	MP3A	Mx	-.05	60
7	MP3B	X	50.089	24
8	MP3B	Z	-28.919	24
9	MP3B	Mx	.05	24
10	MP3B	X	50.089	60
11	MP3B	Z	-28.919	60
12	MP3B	Mx	.05	60
13	MP3C	X	50.089	24
14	MP3C	Z	-28.919	24
15	MP3C	Mx	.05	24
16	MP3C	X	50.089	60
17	MP3C	Z	-28.919	60
18	MP3C	Mx	.05	60
19	MP2A	X	139.825	12
20	MP2A	Z	-80.728	12
21	MP2A	Mx	-.18	12
22	MP2A	X	139.825	84
23	MP2A	Z	-80.728	84
24	MP2A	Mx	-.18	84
25	MP2B	X	139.825	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP2B	Z	-80.728	12
27	MP2B	Mx	.099	12
28	MP2B	X	139.825	84
29	MP2B	Z	-80.728	84
30	MP2B	Mx	.099	84
31	MP2C	X	159.38	12
32	MP2C	Z	-92.018	12
33	MP2C	Mx	.092	12
34	MP2C	X	159.38	84
35	MP2C	Z	-92.018	84
36	MP2C	Mx	.092	84
37	MP2A	X	139.825	12
38	MP2A	Z	-80.728	12
39	MP2A	Mx	-.099	12
40	MP2A	X	139.825	84
41	MP2A	Z	-80.728	84
42	MP2A	Mx	-.099	84
43	MP2B	X	139.825	12
44	MP2B	Z	-80.728	12
45	MP2B	Mx	.18	12
46	MP2B	X	139.825	84
47	MP2B	Z	-80.728	84
48	MP2B	Mx	.18	84
49	MP2C	X	159.38	12
50	MP2C	Z	-92.018	12
51	MP2C	Mx	-.092	12
52	MP2C	X	159.38	84
53	MP2C	Z	-92.018	84
54	MP2C	Mx	-.092	84
55	MP1A	X	130.881	12
56	MP1A	Z	-75.564	12
57	MP1A	Mx	0	12
58	MP2A	X	48.103	36
59	MP2A	Z	-27.772	36
60	MP2A	Mx	.024	36
61	MP2B	X	48.103	36
62	MP2B	Z	-27.772	36
63	MP2B	Mx	.024	36
64	MP2C	X	48.103	36
65	MP2C	Z	-27.772	36
66	MP2C	Mx	.024	36
67	MP2A	X	55.087	60
68	MP2A	Z	-31.804	60
69	MP2A	Mx	.028	60
70	MP2B	X	55.087	60
71	MP2B	Z	-31.804	60
72	MP2B	Mx	-.028	60
73	MP2C	X	73.319	60
74	MP2C	Z	-42.331	60
75	MP2C	Mx	0	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	41.652	24
2	MP3A	Z	0	24
3	MP3A	Mx	-.042	24
4	MP3A	X	41.652	60
5	MP3A	Z	0	60
6	MP3A	Mx	-.042	60
7	MP3B	X	90.207	24
8	MP3B	Z	0	24
9	MP3B	Mx	.045	24
10	MP3B	X	90.207	60
11	MP3B	Z	0	60
12	MP3B	Mx	.045	60
13	MP3C	X	90.207	24
14	MP3C	Z	0	24
15	MP3C	Mx	.045	24
16	MP3C	X	90.207	60
17	MP3C	Z	0	60
18	MP3C	Mx	.045	60
19	MP2A	X	153.929	12
20	MP2A	Z	0	12
21	MP2A	Mx	-.154	12
22	MP2A	X	153.929	84
23	MP2A	Z	0	84
24	MP2A	Mx	-.154	84
25	MP2B	X	176.509	12
26	MP2B	Z	0	12
27	MP2B	Mx	.012	12
28	MP2B	X	176.509	84
29	MP2B	Z	0	84
30	MP2B	Mx	.012	84
31	MP2C	X	176.509	12
32	MP2C	Z	0	12
33	MP2C	Mx	.165	12
34	MP2C	X	176.509	84
35	MP2C	Z	0	84
36	MP2C	Mx	.165	84
37	MP2A	X	153.929	12
38	MP2A	Z	0	12
39	MP2A	Mx	-.154	12
40	MP2A	X	153.929	84
41	MP2A	Z	0	84
42	MP2A	Mx	-.154	84
43	MP2B	X	176.509	12
44	MP2B	Z	0	12
45	MP2B	Mx	.165	12
46	MP2B	X	176.509	84
47	MP2B	Z	0	84
48	MP2B	Mx	.165	84
49	MP2C	X	176.509	12
50	MP2C	Z	0	12
51	MP2C	Mx	.012	12
52	MP2C	X	176.509	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	0	84
54	MP2C	Mx	.012	84
55	MP1A	X	140.234	12
56	MP1A	Z	0	12
57	MP1A	Mx	0	12
58	MP2A	X	45.839	36
59	MP2A	Z	0	36
60	MP2A	Mx	.023	36
61	MP2B	X	45.839	36
62	MP2B	Z	0	36
63	MP2B	Mx	.023	36
64	MP2C	X	45.839	36
65	MP2C	Z	0	36
66	MP2C	Mx	.023	36
67	MP2A	X	56.592	60
68	MP2A	Z	0	60
69	MP2A	Mx	.028	60
70	MP2B	X	77.644	60
71	MP2B	Z	0	60
72	MP2B	Mx	-.019	60
73	MP2C	X	77.644	60
74	MP2C	Z	0	60
75	MP2C	Mx	-.019	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	50.089	24
2	MP3A	Z	28.919	24
3	MP3A	Mx	-.05	24
4	MP3A	X	50.089	60
5	MP3A	Z	28.919	60
6	MP3A	Mx	-.05	60
7	MP3B	X	92.138	24
8	MP3B	Z	53.196	24
9	MP3B	Mx	0	24
10	MP3B	X	92.138	60
11	MP3B	Z	53.196	60
12	MP3B	Mx	0	60
13	MP3C	X	92.138	24
14	MP3C	Z	53.196	24
15	MP3C	Mx	0	24
16	MP3C	X	92.138	60
17	MP3C	Z	53.196	60
18	MP3C	Mx	0	60
19	MP2A	X	139.825	12
20	MP2A	Z	80.728	12
21	MP2A	Mx	-.099	12
22	MP2A	X	139.825	84
23	MP2A	Z	80.728	84
24	MP2A	Mx	-.099	84
25	MP2B	X	159.38	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP2B	Z	92.018	12
27	MP2B	Mx	-.092	12
28	MP2B	X	159.38	84
29	MP2B	Z	92.018	84
30	MP2B	Mx	-.092	84
31	MP2C	X	139.825	12
32	MP2C	Z	80.728	12
33	MP2C	Mx	.18	12
34	MP2C	X	139.825	84
35	MP2C	Z	80.728	84
36	MP2C	Mx	.18	84
37	MP2A	X	139.825	12
38	MP2A	Z	80.728	12
39	MP2A	Mx	-.18	12
40	MP2A	X	139.825	84
41	MP2A	Z	80.728	84
42	MP2A	Mx	-.18	84
43	MP2B	X	159.38	12
44	MP2B	Z	92.018	12
45	MP2B	Mx	.092	12
46	MP2B	X	159.38	84
47	MP2B	Z	92.018	84
48	MP2B	Mx	.092	84
49	MP2C	X	139.825	12
50	MP2C	Z	80.728	12
51	MP2C	Mx	.099	12
52	MP2C	X	139.825	84
53	MP2C	Z	80.728	84
54	MP2C	Mx	.099	84
55	MP1A	X	130.881	12
56	MP1A	Z	75.564	12
57	MP1A	Mx	0	12
58	MP2A	X	48.103	36
59	MP2A	Z	27.772	36
60	MP2A	Mx	.024	36
61	MP2B	X	48.103	36
62	MP2B	Z	27.772	36
63	MP2B	Mx	.024	36
64	MP2C	X	48.103	36
65	MP2C	Z	27.772	36
66	MP2C	Mx	.024	36
67	MP2A	X	55.087	60
68	MP2A	Z	31.804	60
69	MP2A	Mx	.028	60
70	MP2B	X	73.319	60
71	MP2B	Z	42.331	60
72	MP2B	Mx	0	60
73	MP2C	X	55.087	60
74	MP2C	Z	31.804	60
75	MP2C	Mx	-.028	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	45.104	24
2	MP3A	Z	78.122	24
3	MP3A	Mx	-.045	24
4	MP3A	X	45.104	60
5	MP3A	Z	78.122	60
6	MP3A	Mx	-.045	60
7	MP3B	X	45.104	24
8	MP3B	Z	78.122	24
9	MP3B	Mx	-.045	24
10	MP3B	X	45.104	60
11	MP3B	Z	78.122	60
12	MP3B	Mx	-.045	60
13	MP3C	X	45.104	24
14	MP3C	Z	78.122	24
15	MP3C	Mx	-.045	24
16	MP3C	X	45.104	60
17	MP3C	Z	78.122	60
18	MP3C	Mx	-.045	60
19	MP2A	X	88.255	12
20	MP2A	Z	152.861	12
21	MP2A	Mx	-.012	12
22	MP2A	X	88.255	84
23	MP2A	Z	152.861	84
24	MP2A	Mx	-.012	84
25	MP2B	X	88.255	12
26	MP2B	Z	152.861	12
27	MP2B	Mx	-.165	12
28	MP2B	X	88.255	84
29	MP2B	Z	152.861	84
30	MP2B	Mx	-.165	84
31	MP2C	X	76.965	12
32	MP2C	Z	133.307	12
33	MP2C	Mx	.154	12
34	MP2C	X	76.965	84
35	MP2C	Z	133.307	84
36	MP2C	Mx	.154	84
37	MP2A	X	88.255	12
38	MP2A	Z	152.861	12
39	MP2A	Mx	-.165	12
40	MP2A	X	88.255	84
41	MP2A	Z	152.861	84
42	MP2A	Mx	-.165	84
43	MP2B	X	88.255	12
44	MP2B	Z	152.861	12
45	MP2B	Mx	-.012	12
46	MP2B	X	88.255	84
47	MP2B	Z	152.861	84
48	MP2B	Mx	-.012	84
49	MP2C	X	76.965	12
50	MP2C	Z	133.307	12
51	MP2C	Mx	.154	12
52	MP2C	X	76.965	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	133.307	84
54	MP2C	Mx	.154	84
55	MP1A	X	86.458	12
56	MP1A	Z	149.749	12
57	MP1A	Mx	0	12
58	MP2A	X	37.478	36
59	MP2A	Z	64.913	36
60	MP2A	Mx	.019	36
61	MP2B	X	37.478	36
62	MP2B	Z	64.913	36
63	MP2B	Mx	.019	36
64	MP2C	X	37.478	36
65	MP2C	Z	64.913	36
66	MP2C	Mx	.019	36
67	MP2A	X	38.822	60
68	MP2A	Z	67.241	60
69	MP2A	Mx	.019	60
70	MP2B	X	38.822	60
71	MP2B	Z	67.241	60
72	MP2B	Mx	.019	60
73	MP2C	X	28.296	60
74	MP2C	Z	49.01	60
75	MP2C	Mx	-.028	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	0	24
2	MP3A	Z	106.392	24
3	MP3A	Mx	0	24
4	MP3A	X	0	60
5	MP3A	Z	106.392	60
6	MP3A	Mx	0	60
7	MP3B	X	0	24
8	MP3B	Z	57.837	24
9	MP3B	Mx	-.05	24
10	MP3B	X	0	60
11	MP3B	Z	57.837	60
12	MP3B	Mx	-.05	60
13	MP3C	X	0	24
14	MP3C	Z	57.837	24
15	MP3C	Mx	-.05	24
16	MP3C	X	0	60
17	MP3C	Z	57.837	60
18	MP3C	Mx	-.05	60
19	MP2A	X	0	12
20	MP2A	Z	184.036	12
21	MP2A	Mx	.092	12
22	MP2A	X	0	84
23	MP2A	Z	184.036	84
24	MP2A	Mx	.092	84
25	MP2B	X	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP2B	Z	161.456	12
27	MP2B	Mx	-.18	12
28	MP2B	X	0	84
29	MP2B	Z	161.456	84
30	MP2B	Mx	-.18	84
31	MP2C	X	0	12
32	MP2C	Z	161.456	12
33	MP2C	Mx	.099	12
34	MP2C	X	0	84
35	MP2C	Z	161.456	84
36	MP2C	Mx	.099	84
37	MP2A	X	0	12
38	MP2A	Z	184.036	12
39	MP2A	Mx	-.092	12
40	MP2A	X	0	84
41	MP2A	Z	184.036	84
42	MP2A	Mx	-.092	84
43	MP2B	X	0	12
44	MP2B	Z	161.456	12
45	MP2B	Mx	-.099	12
46	MP2B	X	0	84
47	MP2B	Z	161.456	84
48	MP2B	Mx	-.099	84
49	MP2C	X	0	12
50	MP2C	Z	161.456	12
51	MP2C	Mx	.18	12
52	MP2C	X	0	84
53	MP2C	Z	161.456	84
54	MP2C	Mx	.18	84
55	MP1A	X	0	12
56	MP1A	Z	183.81	12
57	MP1A	Mx	0	12
58	MP2A	X	0	36
59	MP2A	Z	84.661	36
60	MP2A	Mx	0	36
61	MP2B	X	0	36
62	MP2B	Z	84.661	36
63	MP2B	Mx	0	36
64	MP2C	X	0	36
65	MP2C	Z	84.661	36
66	MP2C	Mx	0	36
67	MP2A	X	0	60
68	MP2A	Z	84.661	60
69	MP2A	Mx	0	60
70	MP2B	X	0	60
71	MP2B	Z	63.609	60
72	MP2B	Mx	.028	60
73	MP2C	X	0	60
74	MP2C	Z	63.609	60
75	MP2C	Mx	-.028	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-45.104	24
2	MP3A	Z	78.122	24
3	MP3A	Mx	.045	24
4	MP3A	X	-45.104	60
5	MP3A	Z	78.122	60
6	MP3A	Mx	.045	60
7	MP3B	X	-20.826	24
8	MP3B	Z	36.072	24
9	MP3B	Mx	-.042	24
10	MP3B	X	-20.826	60
11	MP3B	Z	36.072	60
12	MP3B	Mx	-.042	60
13	MP3C	X	-20.826	24
14	MP3C	Z	36.072	24
15	MP3C	Mx	-.042	24
16	MP3C	X	-20.826	60
17	MP3C	Z	36.072	60
18	MP3C	Mx	-.042	60
19	MP2A	X	-88.255	12
20	MP2A	Z	152.861	12
21	MP2A	Mx	.165	12
22	MP2A	X	-88.255	84
23	MP2A	Z	152.861	84
24	MP2A	Mx	.165	84
25	MP2B	X	-76.965	12
26	MP2B	Z	133.307	12
27	MP2B	Mx	-.154	12
28	MP2B	X	-76.965	84
29	MP2B	Z	133.307	84
30	MP2B	Mx	-.154	84
31	MP2C	X	-88.255	12
32	MP2C	Z	152.861	12
33	MP2C	Mx	.012	12
34	MP2C	X	-88.255	84
35	MP2C	Z	152.861	84
36	MP2C	Mx	.012	84
37	MP2A	X	-88.255	12
38	MP2A	Z	152.861	12
39	MP2A	Mx	.012	12
40	MP2A	X	-88.255	84
41	MP2A	Z	152.861	84
42	MP2A	Mx	.012	84
43	MP2B	X	-76.965	12
44	MP2B	Z	133.307	12
45	MP2B	Mx	-.154	12
46	MP2B	X	-76.965	84
47	MP2B	Z	133.307	84
48	MP2B	Mx	-.154	84
49	MP2C	X	-88.255	12
50	MP2C	Z	152.861	12
51	MP2C	Mx	.165	12
52	MP2C	X	-88.255	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	152.861	84
54	MP2C	Mx	.165	84
55	MP1A	X	-86.458	12
56	MP1A	Z	149.749	12
57	MP1A	Mx	0	12
58	MP2A	X	-37.478	36
59	MP2A	Z	64.913	36
60	MP2A	Mx	-.019	36
61	MP2B	X	-37.478	36
62	MP2B	Z	64.913	36
63	MP2B	Mx	-.019	36
64	MP2C	X	-37.478	36
65	MP2C	Z	64.913	36
66	MP2C	Mx	-.019	36
67	MP2A	X	-38.822	60
68	MP2A	Z	67.241	60
69	MP2A	Mx	-.019	60
70	MP2B	X	-28.296	60
71	MP2B	Z	49.01	60
72	MP2B	Mx	.028	60
73	MP2C	X	-38.822	60
74	MP2C	Z	67.241	60
75	MP2C	Mx	-.019	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-50.089	24
2	MP3A	Z	28.919	24
3	MP3A	Mx	.05	24
4	MP3A	X	-50.089	60
5	MP3A	Z	28.919	60
6	MP3A	Mx	.05	60
7	MP3B	X	-50.089	24
8	MP3B	Z	28.919	24
9	MP3B	Mx	-.05	24
10	MP3B	X	-50.089	60
11	MP3B	Z	28.919	60
12	MP3B	Mx	-.05	60
13	MP3C	X	-50.089	24
14	MP3C	Z	28.919	24
15	MP3C	Mx	-.05	24
16	MP3C	X	-50.089	60
17	MP3C	Z	28.919	60
18	MP3C	Mx	-.05	60
19	MP2A	X	-139.825	12
20	MP2A	Z	80.728	12
21	MP2A	Mx	.18	12
22	MP2A	X	-139.825	84
23	MP2A	Z	80.728	84
24	MP2A	Mx	.18	84
25	MP2B	X	-139.825	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP2B	Z	80.728	12
27	MP2B	Mx	-.099	12
28	MP2B	X	-139.825	84
29	MP2B	Z	80.728	84
30	MP2B	Mx	-.099	84
31	MP2C	X	-159.38	12
32	MP2C	Z	92.018	12
33	MP2C	Mx	-.092	12
34	MP2C	X	-159.38	84
35	MP2C	Z	92.018	84
36	MP2C	Mx	-.092	84
37	MP2A	X	-139.825	12
38	MP2A	Z	80.728	12
39	MP2A	Mx	.099	12
40	MP2A	X	-139.825	84
41	MP2A	Z	80.728	84
42	MP2A	Mx	.099	84
43	MP2B	X	-139.825	12
44	MP2B	Z	80.728	12
45	MP2B	Mx	-.18	12
46	MP2B	X	-139.825	84
47	MP2B	Z	80.728	84
48	MP2B	Mx	-.18	84
49	MP2C	X	-159.38	12
50	MP2C	Z	92.018	12
51	MP2C	Mx	.092	12
52	MP2C	X	-159.38	84
53	MP2C	Z	92.018	84
54	MP2C	Mx	.092	84
55	MP1A	X	-130.881	12
56	MP1A	Z	75.564	12
57	MP1A	Mx	0	12
58	MP2A	X	-48.103	36
59	MP2A	Z	27.772	36
60	MP2A	Mx	-.024	36
61	MP2B	X	-48.103	36
62	MP2B	Z	27.772	36
63	MP2B	Mx	-.024	36
64	MP2C	X	-48.103	36
65	MP2C	Z	27.772	36
66	MP2C	Mx	-.024	36
67	MP2A	X	-55.087	60
68	MP2A	Z	31.804	60
69	MP2A	Mx	-.028	60
70	MP2B	X	-55.087	60
71	MP2B	Z	31.804	60
72	MP2B	Mx	.028	60
73	MP2C	X	-73.319	60
74	MP2C	Z	42.331	60
75	MP2C	Mx	0	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-41.652	24
2	MP3A	Z	0	24
3	MP3A	Mx	.042	24
4	MP3A	X	-41.652	60
5	MP3A	Z	0	60
6	MP3A	Mx	.042	60
7	MP3B	X	-90.207	24
8	MP3B	Z	0	24
9	MP3B	Mx	-.045	24
10	MP3B	X	-90.207	60
11	MP3B	Z	0	60
12	MP3B	Mx	-.045	60
13	MP3C	X	-90.207	24
14	MP3C	Z	0	24
15	MP3C	Mx	-.045	24
16	MP3C	X	-90.207	60
17	MP3C	Z	0	60
18	MP3C	Mx	-.045	60
19	MP2A	X	-153.929	12
20	MP2A	Z	0	12
21	MP2A	Mx	.154	12
22	MP2A	X	-153.929	84
23	MP2A	Z	0	84
24	MP2A	Mx	.154	84
25	MP2B	X	-176.509	12
26	MP2B	Z	0	12
27	MP2B	Mx	-.012	12
28	MP2B	X	-176.509	84
29	MP2B	Z	0	84
30	MP2B	Mx	-.012	84
31	MP2C	X	-176.509	12
32	MP2C	Z	0	12
33	MP2C	Mx	-.165	12
34	MP2C	X	-176.509	84
35	MP2C	Z	0	84
36	MP2C	Mx	-.165	84
37	MP2A	X	-153.929	12
38	MP2A	Z	0	12
39	MP2A	Mx	.154	12
40	MP2A	X	-153.929	84
41	MP2A	Z	0	84
42	MP2A	Mx	.154	84
43	MP2B	X	-176.509	12
44	MP2B	Z	0	12
45	MP2B	Mx	-.165	12
46	MP2B	X	-176.509	84
47	MP2B	Z	0	84
48	MP2B	Mx	-.165	84
49	MP2C	X	-176.509	12
50	MP2C	Z	0	12
51	MP2C	Mx	-.012	12
52	MP2C	X	-176.509	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	0	84
54	MP2C	Mx	-.012	84
55	MP1A	X	-140.234	12
56	MP1A	Z	0	12
57	MP1A	Mx	0	12
58	MP2A	X	-45.839	36
59	MP2A	Z	0	36
60	MP2A	Mx	-.023	36
61	MP2B	X	-45.839	36
62	MP2B	Z	0	36
63	MP2B	Mx	-.023	36
64	MP2C	X	-45.839	36
65	MP2C	Z	0	36
66	MP2C	Mx	-.023	36
67	MP2A	X	-56.592	60
68	MP2A	Z	0	60
69	MP2A	Mx	-.028	60
70	MP2B	X	-77.644	60
71	MP2B	Z	0	60
72	MP2B	Mx	.019	60
73	MP2C	X	-77.644	60
74	MP2C	Z	0	60
75	MP2C	Mx	.019	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-50.089	24
2	MP3A	Z	-28.919	24
3	MP3A	Mx	.05	24
4	MP3A	X	-50.089	60
5	MP3A	Z	-28.919	60
6	MP3A	Mx	.05	60
7	MP3B	X	-92.138	24
8	MP3B	Z	-53.196	24
9	MP3B	Mx	0	24
10	MP3B	X	-92.138	60
11	MP3B	Z	-53.196	60
12	MP3B	Mx	0	60
13	MP3C	X	-92.138	24
14	MP3C	Z	-53.196	24
15	MP3C	Mx	0	24
16	MP3C	X	-92.138	60
17	MP3C	Z	-53.196	60
18	MP3C	Mx	0	60
19	MP2A	X	-139.825	12
20	MP2A	Z	-80.728	12
21	MP2A	Mx	.099	12
22	MP2A	X	-139.825	84
23	MP2A	Z	-80.728	84
24	MP2A	Mx	.099	84
25	MP2B	X	-159.38	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP2B	Z	-92.018	12
27	MP2B	Mx	.092	12
28	MP2B	X	-159.38	84
29	MP2B	Z	-92.018	84
30	MP2B	Mx	.092	84
31	MP2C	X	-139.825	12
32	MP2C	Z	-80.728	12
33	MP2C	Mx	-.18	12
34	MP2C	X	-139.825	84
35	MP2C	Z	-80.728	84
36	MP2C	Mx	-.18	84
37	MP2A	X	-139.825	12
38	MP2A	Z	-80.728	12
39	MP2A	Mx	.18	12
40	MP2A	X	-139.825	84
41	MP2A	Z	-80.728	84
42	MP2A	Mx	.18	84
43	MP2B	X	-159.38	12
44	MP2B	Z	-92.018	12
45	MP2B	Mx	-.092	12
46	MP2B	X	-159.38	84
47	MP2B	Z	-92.018	84
48	MP2B	Mx	-.092	84
49	MP2C	X	-139.825	12
50	MP2C	Z	-80.728	12
51	MP2C	Mx	-.099	12
52	MP2C	X	-139.825	84
53	MP2C	Z	-80.728	84
54	MP2C	Mx	-.099	84
55	MP1A	X	-130.881	12
56	MP1A	Z	-75.564	12
57	MP1A	Mx	0	12
58	MP2A	X	-48.103	36
59	MP2A	Z	-27.772	36
60	MP2A	Mx	-.024	36
61	MP2B	X	-48.103	36
62	MP2B	Z	-27.772	36
63	MP2B	Mx	-.024	36
64	MP2C	X	-48.103	36
65	MP2C	Z	-27.772	36
66	MP2C	Mx	-.024	36
67	MP2A	X	-55.087	60
68	MP2A	Z	-31.804	60
69	MP2A	Mx	-.028	60
70	MP2B	X	-73.319	60
71	MP2B	Z	-42.331	60
72	MP2B	Mx	0	60
73	MP2C	X	-55.087	60
74	MP2C	Z	-31.804	60
75	MP2C	Mx	.028	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-45.104	24
2	MP3A	Z	-78.122	24
3	MP3A	Mx	.045	24
4	MP3A	X	-45.104	60
5	MP3A	Z	-78.122	60
6	MP3A	Mx	.045	60
7	MP3B	X	-45.104	24
8	MP3B	Z	-78.122	24
9	MP3B	Mx	.045	24
10	MP3B	X	-45.104	60
11	MP3B	Z	-78.122	60
12	MP3B	Mx	.045	60
13	MP3C	X	-45.104	24
14	MP3C	Z	-78.122	24
15	MP3C	Mx	.045	24
16	MP3C	X	-45.104	60
17	MP3C	Z	-78.122	60
18	MP3C	Mx	.045	60
19	MP2A	X	-88.255	12
20	MP2A	Z	-152.861	12
21	MP2A	Mx	.012	12
22	MP2A	X	-88.255	84
23	MP2A	Z	-152.861	84
24	MP2A	Mx	.012	84
25	MP2B	X	-88.255	12
26	MP2B	Z	-152.861	12
27	MP2B	Mx	.165	12
28	MP2B	X	-88.255	84
29	MP2B	Z	-152.861	84
30	MP2B	Mx	.165	84
31	MP2C	X	-76.965	12
32	MP2C	Z	-133.307	12
33	MP2C	Mx	-.154	12
34	MP2C	X	-76.965	84
35	MP2C	Z	-133.307	84
36	MP2C	Mx	-.154	84
37	MP2A	X	-88.255	12
38	MP2A	Z	-152.861	12
39	MP2A	Mx	.165	12
40	MP2A	X	-88.255	84
41	MP2A	Z	-152.861	84
42	MP2A	Mx	.165	84
43	MP2B	X	-88.255	12
44	MP2B	Z	-152.861	12
45	MP2B	Mx	.012	12
46	MP2B	X	-88.255	84
47	MP2B	Z	-152.861	84
48	MP2B	Mx	.012	84
49	MP2C	X	-76.965	12
50	MP2C	Z	-133.307	12
51	MP2C	Mx	-.154	12
52	MP2C	X	-76.965	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	-133.307	84
54	MP2C	Mx	-.154	84
55	MP1A	X	-86.458	12
56	MP1A	Z	-149.749	12
57	MP1A	Mx	0	12
58	MP2A	X	-37.478	36
59	MP2A	Z	-64.913	36
60	MP2A	Mx	-.019	36
61	MP2B	X	-37.478	36
62	MP2B	Z	-64.913	36
63	MP2B	Mx	-.019	36
64	MP2C	X	-37.478	36
65	MP2C	Z	-64.913	36
66	MP2C	Mx	-.019	36
67	MP2A	X	-38.822	60
68	MP2A	Z	-67.241	60
69	MP2A	Mx	-.019	60
70	MP2B	X	-38.822	60
71	MP2B	Z	-67.241	60
72	MP2B	Mx	-.019	60
73	MP2C	X	-28.296	60
74	MP2C	Z	-49.01	60
75	MP2C	Mx	.028	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	0	24
2	MP3A	Z	-19.891	24
3	MP3A	Mx	0	24
4	MP3A	X	0	60
5	MP3A	Z	-19.891	60
6	MP3A	Mx	0	60
7	MP3B	X	0	24
8	MP3B	Z	-11.334	24
9	MP3B	Mx	.01	24
10	MP3B	X	0	60
11	MP3B	Z	-11.334	60
12	MP3B	Mx	.01	60
13	MP3C	X	0	24
14	MP3C	Z	-11.334	24
15	MP3C	Mx	.01	24
16	MP3C	X	0	60
17	MP3C	Z	-11.334	60
18	MP3C	Mx	.01	60
19	MP2A	X	0	12
20	MP2A	Z	-33.593	12
21	MP2A	Mx	-.017	12
22	MP2A	X	0	84
23	MP2A	Z	-33.593	84
24	MP2A	Mx	-.017	84
25	MP2B	X	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP2B	Z	-29.781	12
27	MP2B	Mx	.033	12
28	MP2B	X	0	84
29	MP2B	Z	-29.781	84
30	MP2B	Mx	.033	84
31	MP2C	X	0	12
32	MP2C	Z	-29.781	12
33	MP2C	Mx	-.018	12
34	MP2C	X	0	84
35	MP2C	Z	-29.781	84
36	MP2C	Mx	-.018	84
37	MP2A	X	0	12
38	MP2A	Z	-33.593	12
39	MP2A	Mx	.017	12
40	MP2A	X	0	84
41	MP2A	Z	-33.593	84
42	MP2A	Mx	.017	84
43	MP2B	X	0	12
44	MP2B	Z	-29.781	12
45	MP2B	Mx	.018	12
46	MP2B	X	0	84
47	MP2B	Z	-29.781	84
48	MP2B	Mx	.018	84
49	MP2C	X	0	12
50	MP2C	Z	-29.781	12
51	MP2C	Mx	-.033	12
52	MP2C	X	0	84
53	MP2C	Z	-29.781	84
54	MP2C	Mx	-.033	84
55	MP1A	X	0	12
56	MP1A	Z	-34.455	12
57	MP1A	Mx	0	12
58	MP2A	X	0	36
59	MP2A	Z	-16.776	36
60	MP2A	Mx	0	36
61	MP2B	X	0	36
62	MP2B	Z	-16.776	36
63	MP2B	Mx	0	36
64	MP2C	X	0	36
65	MP2C	Z	-16.776	36
66	MP2C	Mx	0	36
67	MP2A	X	0	60
68	MP2A	Z	-16.776	60
69	MP2A	Mx	0	60
70	MP2B	X	0	60
71	MP2B	Z	-12.951	60
72	MP2B	Mx	-.006	60
73	MP2C	X	0	60
74	MP2C	Z	-12.951	60
75	MP2C	Mx	.006	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	8.519	24
2	MP3A	Z	-14.756	24
3	MP3A	Mx	-.009	24
4	MP3A	X	8.519	60
5	MP3A	Z	-14.756	60
6	MP3A	Mx	-.009	60
7	MP3B	X	4.241	24
8	MP3B	Z	-7.346	24
9	MP3B	Mx	.008	24
10	MP3B	X	4.241	60
11	MP3B	Z	-7.346	60
12	MP3B	Mx	.008	60
13	MP3C	X	4.241	24
14	MP3C	Z	-7.346	24
15	MP3C	Mx	.008	24
16	MP3C	X	4.241	60
17	MP3C	Z	-7.346	60
18	MP3C	Mx	.008	60
19	MP2A	X	16.161	12
20	MP2A	Z	-27.992	12
21	MP2A	Mx	-.03	12
22	MP2A	X	16.161	84
23	MP2A	Z	-27.992	84
24	MP2A	Mx	-.03	84
25	MP2B	X	14.255	12
26	MP2B	Z	-24.69	12
27	MP2B	Mx	.029	12
28	MP2B	X	14.255	84
29	MP2B	Z	-24.69	84
30	MP2B	Mx	.029	84
31	MP2C	X	16.161	12
32	MP2C	Z	-27.992	12
33	MP2C	Mx	-.002	12
34	MP2C	X	16.161	84
35	MP2C	Z	-27.992	84
36	MP2C	Mx	-.002	84
37	MP2A	X	16.161	12
38	MP2A	Z	-27.992	12
39	MP2A	Mx	-.002	12
40	MP2A	X	16.161	84
41	MP2A	Z	-27.992	84
42	MP2A	Mx	-.002	84
43	MP2B	X	14.255	12
44	MP2B	Z	-24.69	12
45	MP2B	Mx	.029	12
46	MP2B	X	14.255	84
47	MP2B	Z	-24.69	84
48	MP2B	Mx	.029	84
49	MP2C	X	16.161	12
50	MP2C	Z	-27.992	12
51	MP2C	Mx	-.03	12
52	MP2C	X	16.161	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	-27.992	84
54	MP2C	Mx	-.03	84
55	MP1A	X	16.289	12
56	MP1A	Z	-28.214	12
57	MP1A	Mx	0	12
58	MP2A	X	7.508	36
59	MP2A	Z	-13.005	36
60	MP2A	Mx	.004	36
61	MP2B	X	7.508	36
62	MP2B	Z	-13.005	36
63	MP2B	Mx	.004	36
64	MP2C	X	7.508	36
65	MP2C	Z	-13.005	36
66	MP2C	Mx	.004	36
67	MP2A	X	7.751	60
68	MP2A	Z	-13.424	60
69	MP2A	Mx	.004	60
70	MP2B	X	5.838	60
71	MP2B	Z	-10.111	60
72	MP2B	Mx	-.006	60
73	MP2C	X	7.751	60
74	MP2C	Z	-13.424	60
75	MP2C	Mx	.004	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	9.816	24
2	MP3A	Z	-5.667	24
3	MP3A	Mx	-.01	24
4	MP3A	X	9.816	60
5	MP3A	Z	-5.667	60
6	MP3A	Mx	-.01	60
7	MP3B	X	9.816	24
8	MP3B	Z	-5.667	24
9	MP3B	Mx	.01	24
10	MP3B	X	9.816	60
11	MP3B	Z	-5.667	60
12	MP3B	Mx	.01	60
13	MP3C	X	9.816	24
14	MP3C	Z	-5.667	24
15	MP3C	Mx	.01	24
16	MP3C	X	9.816	60
17	MP3C	Z	-5.667	60
18	MP3C	Mx	.01	60
19	MP2A	X	25.791	12
20	MP2A	Z	-14.89	12
21	MP2A	Mx	-.033	12
22	MP2A	X	25.791	84
23	MP2A	Z	-14.89	84
24	MP2A	Mx	-.033	84
25	MP2B	X	25.791	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP2B	Z	-14.89	12
27	MP2B	Mx	.018	12
28	MP2B	X	25.791	84
29	MP2B	Z	-14.89	84
30	MP2B	Mx	.018	84
31	MP2C	X	29.092	12
32	MP2C	Z	-16.797	12
33	MP2C	Mx	.017	12
34	MP2C	X	29.092	84
35	MP2C	Z	-16.797	84
36	MP2C	Mx	.017	84
37	MP2A	X	25.791	12
38	MP2A	Z	-14.89	12
39	MP2A	Mx	-.018	12
40	MP2A	X	25.791	84
41	MP2A	Z	-14.89	84
42	MP2A	Mx	-.018	84
43	MP2B	X	25.791	12
44	MP2B	Z	-14.89	12
45	MP2B	Mx	.033	12
46	MP2B	X	25.791	84
47	MP2B	Z	-14.89	84
48	MP2B	Mx	.033	84
49	MP2C	X	29.092	12
50	MP2C	Z	-16.797	12
51	MP2C	Mx	-.017	12
52	MP2C	X	29.092	84
53	MP2C	Z	-16.797	84
54	MP2C	Mx	-.017	84
55	MP1A	X	24.965	12
56	MP1A	Z	-14.413	12
57	MP1A	Mx	0	12
58	MP2A	X	9.957	36
59	MP2A	Z	-5.748	36
60	MP2A	Mx	.005	36
61	MP2B	X	9.957	36
62	MP2B	Z	-5.748	36
63	MP2B	Mx	.005	36
64	MP2C	X	9.957	36
65	MP2C	Z	-5.748	36
66	MP2C	Mx	.005	36
67	MP2A	X	11.216	60
68	MP2A	Z	-6.475	60
69	MP2A	Mx	.006	60
70	MP2B	X	11.216	60
71	MP2B	Z	-6.475	60
72	MP2B	Mx	-.006	60
73	MP2C	X	14.529	60
74	MP2C	Z	-8.388	60
75	MP2C	Mx	0	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	8.482	24
2	MP3A	Z	0	24
3	MP3A	Mx	-.008	24
4	MP3A	X	8.482	60
5	MP3A	Z	0	60
6	MP3A	Mx	-.008	60
7	MP3B	X	17.039	24
8	MP3B	Z	0	24
9	MP3B	Mx	.009	24
10	MP3B	X	17.039	60
11	MP3B	Z	0	60
12	MP3B	Mx	.009	60
13	MP3C	X	17.039	24
14	MP3C	Z	0	24
15	MP3C	Mx	.009	24
16	MP3C	X	17.039	60
17	MP3C	Z	0	60
18	MP3C	Mx	.009	60
19	MP2A	X	28.51	12
20	MP2A	Z	0	12
21	MP2A	Mx	-.029	12
22	MP2A	X	28.51	84
23	MP2A	Z	0	84
24	MP2A	Mx	-.029	84
25	MP2B	X	32.322	12
26	MP2B	Z	0	12
27	MP2B	Mx	.002	12
28	MP2B	X	32.322	84
29	MP2B	Z	0	84
30	MP2B	Mx	.002	84
31	MP2C	X	32.322	12
32	MP2C	Z	0	12
33	MP2C	Mx	.03	12
34	MP2C	X	32.322	84
35	MP2C	Z	0	84
36	MP2C	Mx	.03	84
37	MP2A	X	28.51	12
38	MP2A	Z	0	12
39	MP2A	Mx	-.029	12
40	MP2A	X	28.51	84
41	MP2A	Z	0	84
42	MP2A	Mx	-.029	84
43	MP2B	X	32.322	12
44	MP2B	Z	0	12
45	MP2B	Mx	.03	12
46	MP2B	X	32.322	84
47	MP2B	Z	0	84
48	MP2B	Mx	.03	84
49	MP2C	X	32.322	12
50	MP2C	Z	0	12
51	MP2C	Mx	.002	12
52	MP2C	X	32.322	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	0	84
54	MP2C	Mx	.002	84
55	MP1A	X	26.951	12
56	MP1A	Z	0	12
57	MP1A	Mx	0	12
58	MP2A	X	9.737	36
59	MP2A	Z	0	36
60	MP2A	Mx	.005	36
61	MP2B	X	9.737	36
62	MP2B	Z	0	36
63	MP2B	Mx	.005	36
64	MP2C	X	9.737	36
65	MP2C	Z	0	36
66	MP2C	Mx	.005	36
67	MP2A	X	11.676	60
68	MP2A	Z	0	60
69	MP2A	Mx	.006	60
70	MP2B	X	15.501	60
71	MP2B	Z	0	60
72	MP2B	Mx	-.004	60
73	MP2C	X	15.501	60
74	MP2C	Z	0	60
75	MP2C	Mx	-.004	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	9.816	24
2	MP3A	Z	5.667	24
3	MP3A	Mx	-.01	24
4	MP3A	X	9.816	60
5	MP3A	Z	5.667	60
6	MP3A	Mx	-.01	60
7	MP3B	X	17.226	24
8	MP3B	Z	9.946	24
9	MP3B	Mx	0	24
10	MP3B	X	17.226	60
11	MP3B	Z	9.946	60
12	MP3B	Mx	0	60
13	MP3C	X	17.226	24
14	MP3C	Z	9.946	24
15	MP3C	Mx	0	24
16	MP3C	X	17.226	60
17	MP3C	Z	9.946	60
18	MP3C	Mx	0	60
19	MP2A	X	25.791	12
20	MP2A	Z	14.89	12
21	MP2A	Mx	-.018	12
22	MP2A	X	25.791	84
23	MP2A	Z	14.89	84
24	MP2A	Mx	-.018	84
25	MP2B	X	29.092	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP2B	Z	16.797	12
27	MP2B	Mx	-.017	12
28	MP2B	X	29.092	84
29	MP2B	Z	16.797	84
30	MP2B	Mx	-.017	84
31	MP2C	X	25.791	12
32	MP2C	Z	14.89	12
33	MP2C	Mx	.033	12
34	MP2C	X	25.791	84
35	MP2C	Z	14.89	84
36	MP2C	Mx	.033	84
37	MP2A	X	25.791	12
38	MP2A	Z	14.89	12
39	MP2A	Mx	-.033	12
40	MP2A	X	25.791	84
41	MP2A	Z	14.89	84
42	MP2A	Mx	-.033	84
43	MP2B	X	29.092	12
44	MP2B	Z	16.797	12
45	MP2B	Mx	.017	12
46	MP2B	X	29.092	84
47	MP2B	Z	16.797	84
48	MP2B	Mx	.017	84
49	MP2C	X	25.791	12
50	MP2C	Z	14.89	12
51	MP2C	Mx	.018	12
52	MP2C	X	25.791	84
53	MP2C	Z	14.89	84
54	MP2C	Mx	.018	84
55	MP1A	X	24.965	12
56	MP1A	Z	14.413	12
57	MP1A	Mx	0	12
58	MP2A	X	9.957	36
59	MP2A	Z	5.748	36
60	MP2A	Mx	.005	36
61	MP2B	X	9.957	36
62	MP2B	Z	5.748	36
63	MP2B	Mx	.005	36
64	MP2C	X	9.957	36
65	MP2C	Z	5.748	36
66	MP2C	Mx	.005	36
67	MP2A	X	11.216	60
68	MP2A	Z	6.475	60
69	MP2A	Mx	.006	60
70	MP2B	X	14.529	60
71	MP2B	Z	8.388	60
72	MP2B	Mx	0	60
73	MP2C	X	11.216	60
74	MP2C	Z	6.475	60
75	MP2C	Mx	-.006	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	8.519	24
2	MP3A	Z	14.756	24
3	MP3A	Mx	-.009	24
4	MP3A	X	8.519	60
5	MP3A	Z	14.756	60
6	MP3A	Mx	-.009	60
7	MP3B	X	8.519	24
8	MP3B	Z	14.756	24
9	MP3B	Mx	-.009	24
10	MP3B	X	8.519	60
11	MP3B	Z	14.756	60
12	MP3B	Mx	-.009	60
13	MP3C	X	8.519	24
14	MP3C	Z	14.756	24
15	MP3C	Mx	-.009	24
16	MP3C	X	8.519	60
17	MP3C	Z	14.756	60
18	MP3C	Mx	-.009	60
19	MP2A	X	16.161	12
20	MP2A	Z	27.992	12
21	MP2A	Mx	-.002	12
22	MP2A	X	16.161	84
23	MP2A	Z	27.992	84
24	MP2A	Mx	-.002	84
25	MP2B	X	16.161	12
26	MP2B	Z	27.992	12
27	MP2B	Mx	-.03	12
28	MP2B	X	16.161	84
29	MP2B	Z	27.992	84
30	MP2B	Mx	-.03	84
31	MP2C	X	14.255	12
32	MP2C	Z	24.69	12
33	MP2C	Mx	.029	12
34	MP2C	X	14.255	84
35	MP2C	Z	24.69	84
36	MP2C	Mx	.029	84
37	MP2A	X	16.161	12
38	MP2A	Z	27.992	12
39	MP2A	Mx	-.03	12
40	MP2A	X	16.161	84
41	MP2A	Z	27.992	84
42	MP2A	Mx	-.03	84
43	MP2B	X	16.161	12
44	MP2B	Z	27.992	12
45	MP2B	Mx	-.002	12
46	MP2B	X	16.161	84
47	MP2B	Z	27.992	84
48	MP2B	Mx	-.002	84
49	MP2C	X	14.255	12
50	MP2C	Z	24.69	12
51	MP2C	Mx	.029	12
52	MP2C	X	14.255	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	24.69	84
54	MP2C	Mx	.029	84
55	MP1A	X	16.289	12
56	MP1A	Z	28.214	12
57	MP1A	Mx	0	12
58	MP2A	X	7.508	36
59	MP2A	Z	13.005	36
60	MP2A	Mx	.004	36
61	MP2B	X	7.508	36
62	MP2B	Z	13.005	36
63	MP2B	Mx	.004	36
64	MP2C	X	7.508	36
65	MP2C	Z	13.005	36
66	MP2C	Mx	.004	36
67	MP2A	X	7.751	60
68	MP2A	Z	13.424	60
69	MP2A	Mx	.004	60
70	MP2B	X	7.751	60
71	MP2B	Z	13.424	60
72	MP2B	Mx	.004	60
73	MP2C	X	5.838	60
74	MP2C	Z	10.111	60
75	MP2C	Mx	-.006	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	0	24
2	MP3A	Z	19.891	24
3	MP3A	Mx	0	24
4	MP3A	X	0	60
5	MP3A	Z	19.891	60
6	MP3A	Mx	0	60
7	MP3B	X	0	24
8	MP3B	Z	11.334	24
9	MP3B	Mx	-.01	24
10	MP3B	X	0	60
11	MP3B	Z	11.334	60
12	MP3B	Mx	-.01	60
13	MP3C	X	0	24
14	MP3C	Z	11.334	24
15	MP3C	Mx	-.01	24
16	MP3C	X	0	60
17	MP3C	Z	11.334	60
18	MP3C	Mx	-.01	60
19	MP2A	X	0	12
20	MP2A	Z	33.593	12
21	MP2A	Mx	.017	12
22	MP2A	X	0	84
23	MP2A	Z	33.593	84
24	MP2A	Mx	.017	84
25	MP2B	X	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP2B	Z	29.781	12
27	MP2B	Mx	-.033	12
28	MP2B	X	0	84
29	MP2B	Z	29.781	84
30	MP2B	Mx	-.033	84
31	MP2C	X	0	12
32	MP2C	Z	29.781	12
33	MP2C	Mx	.018	12
34	MP2C	X	0	84
35	MP2C	Z	29.781	84
36	MP2C	Mx	.018	84
37	MP2A	X	0	12
38	MP2A	Z	33.593	12
39	MP2A	Mx	-.017	12
40	MP2A	X	0	84
41	MP2A	Z	33.593	84
42	MP2A	Mx	-.017	84
43	MP2B	X	0	12
44	MP2B	Z	29.781	12
45	MP2B	Mx	-.018	12
46	MP2B	X	0	84
47	MP2B	Z	29.781	84
48	MP2B	Mx	-.018	84
49	MP2C	X	0	12
50	MP2C	Z	29.781	12
51	MP2C	Mx	.033	12
52	MP2C	X	0	84
53	MP2C	Z	29.781	84
54	MP2C	Mx	.033	84
55	MP1A	X	0	12
56	MP1A	Z	34.455	12
57	MP1A	Mx	0	12
58	MP2A	X	0	36
59	MP2A	Z	16.776	36
60	MP2A	Mx	0	36
61	MP2B	X	0	36
62	MP2B	Z	16.776	36
63	MP2B	Mx	0	36
64	MP2C	X	0	36
65	MP2C	Z	16.776	36
66	MP2C	Mx	0	36
67	MP2A	X	0	60
68	MP2A	Z	16.776	60
69	MP2A	Mx	0	60
70	MP2B	X	0	60
71	MP2B	Z	12.951	60
72	MP2B	Mx	.006	60
73	MP2C	X	0	60
74	MP2C	Z	12.951	60
75	MP2C	Mx	-.006	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-8.519	24
2	MP3A	Z	14.756	24
3	MP3A	Mx	.009	24
4	MP3A	X	-8.519	60
5	MP3A	Z	14.756	60
6	MP3A	Mx	.009	60
7	MP3B	X	-4.241	24
8	MP3B	Z	7.346	24
9	MP3B	Mx	-.008	24
10	MP3B	X	-4.241	60
11	MP3B	Z	7.346	60
12	MP3B	Mx	-.008	60
13	MP3C	X	-4.241	24
14	MP3C	Z	7.346	24
15	MP3C	Mx	-.008	24
16	MP3C	X	-4.241	60
17	MP3C	Z	7.346	60
18	MP3C	Mx	-.008	60
19	MP2A	X	-16.161	12
20	MP2A	Z	27.992	12
21	MP2A	Mx	.03	12
22	MP2A	X	-16.161	84
23	MP2A	Z	27.992	84
24	MP2A	Mx	.03	84
25	MP2B	X	-14.255	12
26	MP2B	Z	24.69	12
27	MP2B	Mx	-.029	12
28	MP2B	X	-14.255	84
29	MP2B	Z	24.69	84
30	MP2B	Mx	-.029	84
31	MP2C	X	-16.161	12
32	MP2C	Z	27.992	12
33	MP2C	Mx	.002	12
34	MP2C	X	-16.161	84
35	MP2C	Z	27.992	84
36	MP2C	Mx	.002	84
37	MP2A	X	-16.161	12
38	MP2A	Z	27.992	12
39	MP2A	Mx	.002	12
40	MP2A	X	-16.161	84
41	MP2A	Z	27.992	84
42	MP2A	Mx	.002	84
43	MP2B	X	-14.255	12
44	MP2B	Z	24.69	12
45	MP2B	Mx	-.029	12
46	MP2B	X	-14.255	84
47	MP2B	Z	24.69	84
48	MP2B	Mx	-.029	84
49	MP2C	X	-16.161	12
50	MP2C	Z	27.992	12
51	MP2C	Mx	.03	12
52	MP2C	X	-16.161	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	27.992	84
54	MP2C	Mx	.03	84
55	MP1A	X	-16.289	12
56	MP1A	Z	28.214	12
57	MP1A	Mx	0	12
58	MP2A	X	-7.508	36
59	MP2A	Z	13.005	36
60	MP2A	Mx	-.004	36
61	MP2B	X	-7.508	36
62	MP2B	Z	13.005	36
63	MP2B	Mx	-.004	36
64	MP2C	X	-7.508	36
65	MP2C	Z	13.005	36
66	MP2C	Mx	-.004	36
67	MP2A	X	-7.751	60
68	MP2A	Z	13.424	60
69	MP2A	Mx	-.004	60
70	MP2B	X	-5.838	60
71	MP2B	Z	10.111	60
72	MP2B	Mx	.006	60
73	MP2C	X	-7.751	60
74	MP2C	Z	13.424	60
75	MP2C	Mx	-.004	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-9.816	24
2	MP3A	Z	5.667	24
3	MP3A	Mx	.01	24
4	MP3A	X	-9.816	60
5	MP3A	Z	5.667	60
6	MP3A	Mx	.01	60
7	MP3B	X	-9.816	24
8	MP3B	Z	5.667	24
9	MP3B	Mx	-.01	24
10	MP3B	X	-9.816	60
11	MP3B	Z	5.667	60
12	MP3B	Mx	-.01	60
13	MP3C	X	-9.816	24
14	MP3C	Z	5.667	24
15	MP3C	Mx	-.01	24
16	MP3C	X	-9.816	60
17	MP3C	Z	5.667	60
18	MP3C	Mx	-.01	60
19	MP2A	X	-25.791	12
20	MP2A	Z	14.89	12
21	MP2A	Mx	.033	12
22	MP2A	X	-25.791	84
23	MP2A	Z	14.89	84
24	MP2A	Mx	.033	84
25	MP2B	X	-25.791	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP2B	Z	14.89	12
27	MP2B	Mx	-.018	12
28	MP2B	X	-25.791	84
29	MP2B	Z	14.89	84
30	MP2B	Mx	-.018	84
31	MP2C	X	-29.092	12
32	MP2C	Z	16.797	12
33	MP2C	Mx	-.017	12
34	MP2C	X	-29.092	84
35	MP2C	Z	16.797	84
36	MP2C	Mx	-.017	84
37	MP2A	X	-25.791	12
38	MP2A	Z	14.89	12
39	MP2A	Mx	.018	12
40	MP2A	X	-25.791	84
41	MP2A	Z	14.89	84
42	MP2A	Mx	.018	84
43	MP2B	X	-25.791	12
44	MP2B	Z	14.89	12
45	MP2B	Mx	-.033	12
46	MP2B	X	-25.791	84
47	MP2B	Z	14.89	84
48	MP2B	Mx	-.033	84
49	MP2C	X	-29.092	12
50	MP2C	Z	16.797	12
51	MP2C	Mx	.017	12
52	MP2C	X	-29.092	84
53	MP2C	Z	16.797	84
54	MP2C	Mx	.017	84
55	MP1A	X	-24.965	12
56	MP1A	Z	14.413	12
57	MP1A	Mx	0	12
58	MP2A	X	-9.957	36
59	MP2A	Z	5.748	36
60	MP2A	Mx	-.005	36
61	MP2B	X	-9.957	36
62	MP2B	Z	5.748	36
63	MP2B	Mx	-.005	36
64	MP2C	X	-9.957	36
65	MP2C	Z	5.748	36
66	MP2C	Mx	-.005	36
67	MP2A	X	-11.216	60
68	MP2A	Z	6.475	60
69	MP2A	Mx	-.006	60
70	MP2B	X	-11.216	60
71	MP2B	Z	6.475	60
72	MP2B	Mx	.006	60
73	MP2C	X	-14.529	60
74	MP2C	Z	8.388	60
75	MP2C	Mx	0	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-8.482	24
2	MP3A	Z	0	24
3	MP3A	Mx	.008	24
4	MP3A	X	-8.482	60
5	MP3A	Z	0	60
6	MP3A	Mx	.008	60
7	MP3B	X	-17.039	24
8	MP3B	Z	0	24
9	MP3B	Mx	-.009	24
10	MP3B	X	-17.039	60
11	MP3B	Z	0	60
12	MP3B	Mx	-.009	60
13	MP3C	X	-17.039	24
14	MP3C	Z	0	24
15	MP3C	Mx	-.009	24
16	MP3C	X	-17.039	60
17	MP3C	Z	0	60
18	MP3C	Mx	-.009	60
19	MP2A	X	-28.51	12
20	MP2A	Z	0	12
21	MP2A	Mx	.029	12
22	MP2A	X	-28.51	84
23	MP2A	Z	0	84
24	MP2A	Mx	.029	84
25	MP2B	X	-32.322	12
26	MP2B	Z	0	12
27	MP2B	Mx	-.002	12
28	MP2B	X	-32.322	84
29	MP2B	Z	0	84
30	MP2B	Mx	-.002	84
31	MP2C	X	-32.322	12
32	MP2C	Z	0	12
33	MP2C	Mx	-.03	12
34	MP2C	X	-32.322	84
35	MP2C	Z	0	84
36	MP2C	Mx	-.03	84
37	MP2A	X	-28.51	12
38	MP2A	Z	0	12
39	MP2A	Mx	.029	12
40	MP2A	X	-28.51	84
41	MP2A	Z	0	84
42	MP2A	Mx	.029	84
43	MP2B	X	-32.322	12
44	MP2B	Z	0	12
45	MP2B	Mx	-.03	12
46	MP2B	X	-32.322	84
47	MP2B	Z	0	84
48	MP2B	Mx	-.03	84
49	MP2C	X	-32.322	12
50	MP2C	Z	0	12
51	MP2C	Mx	-.002	12
52	MP2C	X	-32.322	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	0	84
54	MP2C	Mx	-.002	84
55	MP1A	X	-26.951	12
56	MP1A	Z	0	12
57	MP1A	Mx	0	12
58	MP2A	X	-9.737	36
59	MP2A	Z	0	36
60	MP2A	Mx	-.005	36
61	MP2B	X	-9.737	36
62	MP2B	Z	0	36
63	MP2B	Mx	-.005	36
64	MP2C	X	-9.737	36
65	MP2C	Z	0	36
66	MP2C	Mx	-.005	36
67	MP2A	X	-11.676	60
68	MP2A	Z	0	60
69	MP2A	Mx	-.006	60
70	MP2B	X	-15.501	60
71	MP2B	Z	0	60
72	MP2B	Mx	.004	60
73	MP2C	X	-15.501	60
74	MP2C	Z	0	60
75	MP2C	Mx	.004	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-9.816	24
2	MP3A	Z	-5.667	24
3	MP3A	Mx	.01	24
4	MP3A	X	-9.816	60
5	MP3A	Z	-5.667	60
6	MP3A	Mx	.01	60
7	MP3B	X	-17.226	24
8	MP3B	Z	-9.946	24
9	MP3B	Mx	0	24
10	MP3B	X	-17.226	60
11	MP3B	Z	-9.946	60
12	MP3B	Mx	0	60
13	MP3C	X	-17.226	24
14	MP3C	Z	-9.946	24
15	MP3C	Mx	0	24
16	MP3C	X	-17.226	60
17	MP3C	Z	-9.946	60
18	MP3C	Mx	0	60
19	MP2A	X	-25.791	12
20	MP2A	Z	-14.89	12
21	MP2A	Mx	.018	12
22	MP2A	X	-25.791	84
23	MP2A	Z	-14.89	84
24	MP2A	Mx	.018	84
25	MP2B	X	-29.092	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP2B	Z	-16.797	12
27	MP2B	Mx	.017	12
28	MP2B	X	-29.092	84
29	MP2B	Z	-16.797	84
30	MP2B	Mx	.017	84
31	MP2C	X	-25.791	12
32	MP2C	Z	-14.89	12
33	MP2C	Mx	-.033	12
34	MP2C	X	-25.791	84
35	MP2C	Z	-14.89	84
36	MP2C	Mx	-.033	84
37	MP2A	X	-25.791	12
38	MP2A	Z	-14.89	12
39	MP2A	Mx	.033	12
40	MP2A	X	-25.791	84
41	MP2A	Z	-14.89	84
42	MP2A	Mx	.033	84
43	MP2B	X	-29.092	12
44	MP2B	Z	-16.797	12
45	MP2B	Mx	-.017	12
46	MP2B	X	-29.092	84
47	MP2B	Z	-16.797	84
48	MP2B	Mx	-.017	84
49	MP2C	X	-25.791	12
50	MP2C	Z	-14.89	12
51	MP2C	Mx	-.018	12
52	MP2C	X	-25.791	84
53	MP2C	Z	-14.89	84
54	MP2C	Mx	-.018	84
55	MP1A	X	-24.965	12
56	MP1A	Z	-14.413	12
57	MP1A	Mx	0	12
58	MP2A	X	-9.957	36
59	MP2A	Z	-5.748	36
60	MP2A	Mx	-.005	36
61	MP2B	X	-9.957	36
62	MP2B	Z	-5.748	36
63	MP2B	Mx	-.005	36
64	MP2C	X	-9.957	36
65	MP2C	Z	-5.748	36
66	MP2C	Mx	-.005	36
67	MP2A	X	-11.216	60
68	MP2A	Z	-6.475	60
69	MP2A	Mx	-.006	60
70	MP2B	X	-14.529	60
71	MP2B	Z	-8.388	60
72	MP2B	Mx	0	60
73	MP2C	X	-11.216	60
74	MP2C	Z	-6.475	60
75	MP2C	Mx	.006	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-8.519	24
2	MP3A	Z	-14.756	24
3	MP3A	Mx	.009	24
4	MP3A	X	-8.519	60
5	MP3A	Z	-14.756	60
6	MP3A	Mx	.009	60
7	MP3B	X	-8.519	24
8	MP3B	Z	-14.756	24
9	MP3B	Mx	.009	24
10	MP3B	X	-8.519	60
11	MP3B	Z	-14.756	60
12	MP3B	Mx	.009	60
13	MP3C	X	-8.519	24
14	MP3C	Z	-14.756	24
15	MP3C	Mx	.009	24
16	MP3C	X	-8.519	60
17	MP3C	Z	-14.756	60
18	MP3C	Mx	.009	60
19	MP2A	X	-16.161	12
20	MP2A	Z	-27.992	12
21	MP2A	Mx	.002	12
22	MP2A	X	-16.161	84
23	MP2A	Z	-27.992	84
24	MP2A	Mx	.002	84
25	MP2B	X	-16.161	12
26	MP2B	Z	-27.992	12
27	MP2B	Mx	.03	12
28	MP2B	X	-16.161	84
29	MP2B	Z	-27.992	84
30	MP2B	Mx	.03	84
31	MP2C	X	-14.255	12
32	MP2C	Z	-24.69	12
33	MP2C	Mx	-.029	12
34	MP2C	X	-14.255	84
35	MP2C	Z	-24.69	84
36	MP2C	Mx	-.029	84
37	MP2A	X	-16.161	12
38	MP2A	Z	-27.992	12
39	MP2A	Mx	.03	12
40	MP2A	X	-16.161	84
41	MP2A	Z	-27.992	84
42	MP2A	Mx	.03	84
43	MP2B	X	-16.161	12
44	MP2B	Z	-27.992	12
45	MP2B	Mx	.002	12
46	MP2B	X	-16.161	84
47	MP2B	Z	-27.992	84
48	MP2B	Mx	.002	84
49	MP2C	X	-14.255	12
50	MP2C	Z	-24.69	12
51	MP2C	Mx	-.029	12
52	MP2C	X	-14.255	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	-24.69	84
54	MP2C	Mx	-.029	84
55	MP1A	X	-16.289	12
56	MP1A	Z	-28.214	12
57	MP1A	Mx	0	12
58	MP2A	X	-7.508	36
59	MP2A	Z	-13.005	36
60	MP2A	Mx	-.004	36
61	MP2B	X	-7.508	36
62	MP2B	Z	-13.005	36
63	MP2B	Mx	-.004	36
64	MP2C	X	-7.508	36
65	MP2C	Z	-13.005	36
66	MP2C	Mx	-.004	36
67	MP2A	X	-7.751	60
68	MP2A	Z	-13.424	60
69	MP2A	Mx	-.004	60
70	MP2B	X	-7.751	60
71	MP2B	Z	-13.424	60
72	MP2B	Mx	-.004	60
73	MP2C	X	-5.838	60
74	MP2C	Z	-10.111	60
75	MP2C	Mx	.006	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	0	24
2	MP3A	Z	-6.329	24
3	MP3A	Mx	0	24
4	MP3A	X	0	60
5	MP3A	Z	-6.329	60
6	MP3A	Mx	0	60
7	MP3B	X	0	24
8	MP3B	Z	-3.441	24
9	MP3B	Mx	.003	24
10	MP3B	X	0	60
11	MP3B	Z	-3.441	60
12	MP3B	Mx	.003	60
13	MP3C	X	0	24
14	MP3C	Z	-3.441	24
15	MP3C	Mx	.003	24
16	MP3C	X	0	60
17	MP3C	Z	-3.441	60
18	MP3C	Mx	.003	60
19	MP2A	X	0	12
20	MP2A	Z	-10.948	12
21	MP2A	Mx	-.005	12
22	MP2A	X	0	84
23	MP2A	Z	-10.948	84
24	MP2A	Mx	-.005	84
25	MP2B	X	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP2B	Z	-9.605	12
27	MP2B	Mx	.011	12
28	MP2B	X	0	84
29	MP2B	Z	-9.605	84
30	MP2B	Mx	.011	84
31	MP2C	X	0	12
32	MP2C	Z	-9.605	12
33	MP2C	Mx	-.006	12
34	MP2C	X	0	84
35	MP2C	Z	-9.605	84
36	MP2C	Mx	-.006	84
37	MP2A	X	0	12
38	MP2A	Z	-10.948	12
39	MP2A	Mx	.005	12
40	MP2A	X	0	84
41	MP2A	Z	-10.948	84
42	MP2A	Mx	.005	84
43	MP2B	X	0	12
44	MP2B	Z	-9.605	12
45	MP2B	Mx	.006	12
46	MP2B	X	0	84
47	MP2B	Z	-9.605	84
48	MP2B	Mx	.006	84
49	MP2C	X	0	12
50	MP2C	Z	-9.605	12
51	MP2C	Mx	-.011	12
52	MP2C	X	0	84
53	MP2C	Z	-9.605	84
54	MP2C	Mx	-.011	84
55	MP1A	X	0	12
56	MP1A	Z	-10.935	12
57	MP1A	Mx	0	12
58	MP2A	X	0	36
59	MP2A	Z	-5.036	36
60	MP2A	Mx	0	36
61	MP2B	X	0	36
62	MP2B	Z	-5.036	36
63	MP2B	Mx	0	36
64	MP2C	X	0	36
65	MP2C	Z	-5.036	36
66	MP2C	Mx	0	36
67	MP2A	X	0	60
68	MP2A	Z	-5.036	60
69	MP2A	Mx	0	60
70	MP2B	X	0	60
71	MP2B	Z	-3.784	60
72	MP2B	Mx	-.002	60
73	MP2C	X	0	60
74	MP2C	Z	-3.784	60
75	MP2C	Mx	.002	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	2.683	24
2	MP3A	Z	-4.647	24
3	MP3A	Mx	-.003	24
4	MP3A	X	2.683	60
5	MP3A	Z	-4.647	60
6	MP3A	Mx	-.003	60
7	MP3B	X	1.239	24
8	MP3B	Z	-2.146	24
9	MP3B	Mx	.002	24
10	MP3B	X	1.239	60
11	MP3B	Z	-2.146	60
12	MP3B	Mx	.002	60
13	MP3C	X	1.239	24
14	MP3C	Z	-2.146	24
15	MP3C	Mx	.002	24
16	MP3C	X	1.239	60
17	MP3C	Z	-2.146	60
18	MP3C	Mx	.002	60
19	MP2A	X	5.25	12
20	MP2A	Z	-9.093	12
21	MP2A	Mx	-.01	12
22	MP2A	X	5.25	84
23	MP2A	Z	-9.093	84
24	MP2A	Mx	-.01	84
25	MP2B	X	4.578	12
26	MP2B	Z	-7.93	12
27	MP2B	Mx	.009	12
28	MP2B	X	4.578	84
29	MP2B	Z	-7.93	84
30	MP2B	Mx	.009	84
31	MP2C	X	5.25	12
32	MP2C	Z	-9.093	12
33	MP2C	Mx	-.000703	12
34	MP2C	X	5.25	84
35	MP2C	Z	-9.093	84
36	MP2C	Mx	-.000703	84
37	MP2A	X	5.25	12
38	MP2A	Z	-9.093	12
39	MP2A	Mx	-.000704	12
40	MP2A	X	5.25	84
41	MP2A	Z	-9.093	84
42	MP2A	Mx	-.000704	84
43	MP2B	X	4.578	12
44	MP2B	Z	-7.93	12
45	MP2B	Mx	.009	12
46	MP2B	X	4.578	84
47	MP2B	Z	-7.93	84
48	MP2B	Mx	.009	84
49	MP2C	X	5.25	12
50	MP2C	Z	-9.093	12
51	MP2C	Mx	-.01	12
52	MP2C	X	5.25	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	-9.093	84
54	MP2C	Mx	-.01	84
55	MP1A	X	5.143	12
56	MP1A	Z	-8.908	12
57	MP1A	Mx	0	12
58	MP2A	X	2.229	36
59	MP2A	Z	-3.862	36
60	MP2A	Mx	.001	36
61	MP2B	X	2.229	36
62	MP2B	Z	-3.862	36
63	MP2B	Mx	.001	36
64	MP2C	X	2.229	36
65	MP2C	Z	-3.862	36
66	MP2C	Mx	.001	36
67	MP2A	X	2.309	60
68	MP2A	Z	-4	60
69	MP2A	Mx	.001	60
70	MP2B	X	1.683	60
71	MP2B	Z	-2.916	60
72	MP2B	Mx	-.002	60
73	MP2C	X	2.309	60
74	MP2C	Z	-4	60
75	MP2C	Mx	.001	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	2.98	24
2	MP3A	Z	-1.72	24
3	MP3A	Mx	-.003	24
4	MP3A	X	2.98	60
5	MP3A	Z	-1.72	60
6	MP3A	Mx	-.003	60
7	MP3B	X	2.98	24
8	MP3B	Z	-1.72	24
9	MP3B	Mx	.003	24
10	MP3B	X	2.98	60
11	MP3B	Z	-1.72	60
12	MP3B	Mx	.003	60
13	MP3C	X	2.98	24
14	MP3C	Z	-1.72	24
15	MP3C	Mx	.003	24
16	MP3C	X	2.98	60
17	MP3C	Z	-1.72	60
18	MP3C	Mx	.003	60
19	MP2A	X	8.318	12
20	MP2A	Z	-4.802	12
21	MP2A	Mx	-.011	12
22	MP2A	X	8.318	84
23	MP2A	Z	-4.802	84
24	MP2A	Mx	-.011	84
25	MP2B	X	8.318	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP2B	Z	-4.802	12
27	MP2B	Mx	.006	12
28	MP2B	X	8.318	84
29	MP2B	Z	-4.802	84
30	MP2B	Mx	.006	84
31	MP2C	X	9.481	12
32	MP2C	Z	-5.474	12
33	MP2C	Mx	.005	12
34	MP2C	X	9.481	84
35	MP2C	Z	-5.474	84
36	MP2C	Mx	.005	84
37	MP2A	X	8.318	12
38	MP2A	Z	-4.802	12
39	MP2A	Mx	-.006	12
40	MP2A	X	8.318	84
41	MP2A	Z	-4.802	84
42	MP2A	Mx	-.006	84
43	MP2B	X	8.318	12
44	MP2B	Z	-4.802	12
45	MP2B	Mx	.011	12
46	MP2B	X	8.318	84
47	MP2B	Z	-4.802	84
48	MP2B	Mx	.011	84
49	MP2C	X	9.481	12
50	MP2C	Z	-5.474	12
51	MP2C	Mx	-.005	12
52	MP2C	X	9.481	84
53	MP2C	Z	-5.474	84
54	MP2C	Mx	-.005	84
55	MP1A	X	7.786	12
56	MP1A	Z	-4.495	12
57	MP1A	Mx	0	12
58	MP2A	X	2.862	36
59	MP2A	Z	-1.652	36
60	MP2A	Mx	.001	36
61	MP2B	X	2.862	36
62	MP2B	Z	-1.652	36
63	MP2B	Mx	.001	36
64	MP2C	X	2.862	36
65	MP2C	Z	-1.652	36
66	MP2C	Mx	.001	36
67	MP2A	X	3.277	60
68	MP2A	Z	-1.892	60
69	MP2A	Mx	.002	60
70	MP2B	X	3.277	60
71	MP2B	Z	-1.892	60
72	MP2B	Mx	-.002	60
73	MP2C	X	4.362	60
74	MP2C	Z	-2.518	60
75	MP2C	Mx	0	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	2.478	24
2	MP3A	Z	0	24
3	MP3A	Mx	-.002	24
4	MP3A	X	2.478	60
5	MP3A	Z	0	60
6	MP3A	Mx	-.002	60
7	MP3B	X	5.366	24
8	MP3B	Z	0	24
9	MP3B	Mx	.003	24
10	MP3B	X	5.366	60
11	MP3B	Z	0	60
12	MP3B	Mx	.003	60
13	MP3C	X	5.366	24
14	MP3C	Z	0	24
15	MP3C	Mx	.003	24
16	MP3C	X	5.366	60
17	MP3C	Z	0	60
18	MP3C	Mx	.003	60
19	MP2A	X	9.157	12
20	MP2A	Z	0	12
21	MP2A	Mx	-.009	12
22	MP2A	X	9.157	84
23	MP2A	Z	0	84
24	MP2A	Mx	-.009	84
25	MP2B	X	10.5	12
26	MP2B	Z	0	12
27	MP2B	Mx	.000703	12
28	MP2B	X	10.5	84
29	MP2B	Z	0	84
30	MP2B	Mx	.000703	84
31	MP2C	X	10.5	12
32	MP2C	Z	0	12
33	MP2C	Mx	.01	12
34	MP2C	X	10.5	84
35	MP2C	Z	0	84
36	MP2C	Mx	.01	84
37	MP2A	X	9.157	12
38	MP2A	Z	0	12
39	MP2A	Mx	-.009	12
40	MP2A	X	9.157	84
41	MP2A	Z	0	84
42	MP2A	Mx	-.009	84
43	MP2B	X	10.5	12
44	MP2B	Z	0	12
45	MP2B	Mx	.01	12
46	MP2B	X	10.5	84
47	MP2B	Z	0	84
48	MP2B	Mx	.01	84
49	MP2C	X	10.5	12
50	MP2C	Z	0	12
51	MP2C	Mx	.000703	12
52	MP2C	X	10.5	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	0	84
54	MP2C	Mx	.000703	84
55	MP1A	X	8.342	12
56	MP1A	Z	0	12
57	MP1A	Mx	0	12
58	MP2A	X	2.727	36
59	MP2A	Z	0	36
60	MP2A	Mx	.001	36
61	MP2B	X	2.727	36
62	MP2B	Z	0	36
63	MP2B	Mx	.001	36
64	MP2C	X	2.727	36
65	MP2C	Z	0	36
66	MP2C	Mx	.001	36
67	MP2A	X	3.367	60
68	MP2A	Z	0	60
69	MP2A	Mx	.002	60
70	MP2B	X	4.619	60
71	MP2B	Z	0	60
72	MP2B	Mx	-.001	60
73	MP2C	X	4.619	60
74	MP2C	Z	0	60
75	MP2C	Mx	-.001	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	2.98	24
2	MP3A	Z	1.72	24
3	MP3A	Mx	-.003	24
4	MP3A	X	2.98	60
5	MP3A	Z	1.72	60
6	MP3A	Mx	-.003	60
7	MP3B	X	5.481	24
8	MP3B	Z	3.165	24
9	MP3B	Mx	0	24
10	MP3B	X	5.481	60
11	MP3B	Z	3.165	60
12	MP3B	Mx	0	60
13	MP3C	X	5.481	24
14	MP3C	Z	3.165	24
15	MP3C	Mx	0	24
16	MP3C	X	5.481	60
17	MP3C	Z	3.165	60
18	MP3C	Mx	0	60
19	MP2A	X	8.318	12
20	MP2A	Z	4.802	12
21	MP2A	Mx	-.006	12
22	MP2A	X	8.318	84
23	MP2A	Z	4.802	84
24	MP2A	Mx	-.006	84
25	MP2B	X	9.481	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP2B	Z	5.474	12
27	MP2B	Mx	-.005	12
28	MP2B	X	9.481	84
29	MP2B	Z	5.474	84
30	MP2B	Mx	-.005	84
31	MP2C	X	8.318	12
32	MP2C	Z	4.802	12
33	MP2C	Mx	.011	12
34	MP2C	X	8.318	84
35	MP2C	Z	4.802	84
36	MP2C	Mx	.011	84
37	MP2A	X	8.318	12
38	MP2A	Z	4.802	12
39	MP2A	Mx	-.011	12
40	MP2A	X	8.318	84
41	MP2A	Z	4.802	84
42	MP2A	Mx	-.011	84
43	MP2B	X	9.481	12
44	MP2B	Z	5.474	12
45	MP2B	Mx	.005	12
46	MP2B	X	9.481	84
47	MP2B	Z	5.474	84
48	MP2B	Mx	.005	84
49	MP2C	X	8.318	12
50	MP2C	Z	4.802	12
51	MP2C	Mx	.006	12
52	MP2C	X	8.318	84
53	MP2C	Z	4.802	84
54	MP2C	Mx	.006	84
55	MP1A	X	7.786	12
56	MP1A	Z	4.495	12
57	MP1A	Mx	0	12
58	MP2A	X	2.862	36
59	MP2A	Z	1.652	36
60	MP2A	Mx	.001	36
61	MP2B	X	2.862	36
62	MP2B	Z	1.652	36
63	MP2B	Mx	.001	36
64	MP2C	X	2.862	36
65	MP2C	Z	1.652	36
66	MP2C	Mx	.001	36
67	MP2A	X	3.277	60
68	MP2A	Z	1.892	60
69	MP2A	Mx	.002	60
70	MP2B	X	4.362	60
71	MP2B	Z	2.518	60
72	MP2B	Mx	0	60
73	MP2C	X	3.277	60
74	MP2C	Z	1.892	60
75	MP2C	Mx	-.002	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	2.683	24
2	MP3A	Z	4.647	24
3	MP3A	Mx	-.003	24
4	MP3A	X	2.683	60
5	MP3A	Z	4.647	60
6	MP3A	Mx	-.003	60
7	MP3B	X	2.683	24
8	MP3B	Z	4.647	24
9	MP3B	Mx	-.003	24
10	MP3B	X	2.683	60
11	MP3B	Z	4.647	60
12	MP3B	Mx	-.003	60
13	MP3C	X	2.683	24
14	MP3C	Z	4.647	24
15	MP3C	Mx	-.003	24
16	MP3C	X	2.683	60
17	MP3C	Z	4.647	60
18	MP3C	Mx	-.003	60
19	MP2A	X	5.25	12
20	MP2A	Z	9.093	12
21	MP2A	Mx	-.000704	12
22	MP2A	X	5.25	84
23	MP2A	Z	9.093	84
24	MP2A	Mx	-.000704	84
25	MP2B	X	5.25	12
26	MP2B	Z	9.093	12
27	MP2B	Mx	-.01	12
28	MP2B	X	5.25	84
29	MP2B	Z	9.093	84
30	MP2B	Mx	-.01	84
31	MP2C	X	4.578	12
32	MP2C	Z	7.93	12
33	MP2C	Mx	.009	12
34	MP2C	X	4.578	84
35	MP2C	Z	7.93	84
36	MP2C	Mx	.009	84
37	MP2A	X	5.25	12
38	MP2A	Z	9.093	12
39	MP2A	Mx	-.01	12
40	MP2A	X	5.25	84
41	MP2A	Z	9.093	84
42	MP2A	Mx	-.01	84
43	MP2B	X	5.25	12
44	MP2B	Z	9.093	12
45	MP2B	Mx	-.000703	12
46	MP2B	X	5.25	84
47	MP2B	Z	9.093	84
48	MP2B	Mx	-.000703	84
49	MP2C	X	4.578	12
50	MP2C	Z	7.93	12
51	MP2C	Mx	.009	12
52	MP2C	X	4.578	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	7.93	84
54	MP2C	Mx	.009	84
55	MP1A	X	5.143	12
56	MP1A	Z	8.908	12
57	MP1A	Mx	0	12
58	MP2A	X	2.229	36
59	MP2A	Z	3.862	36
60	MP2A	Mx	.001	36
61	MP2B	X	2.229	36
62	MP2B	Z	3.862	36
63	MP2B	Mx	.001	36
64	MP2C	X	2.229	36
65	MP2C	Z	3.862	36
66	MP2C	Mx	.001	36
67	MP2A	X	2.309	60
68	MP2A	Z	4	60
69	MP2A	Mx	.001	60
70	MP2B	X	2.309	60
71	MP2B	Z	4	60
72	MP2B	Mx	.001	60
73	MP2C	X	1.683	60
74	MP2C	Z	2.916	60
75	MP2C	Mx	-.002	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	0	24
2	MP3A	Z	6.329	24
3	MP3A	Mx	0	24
4	MP3A	X	0	60
5	MP3A	Z	6.329	60
6	MP3A	Mx	0	60
7	MP3B	X	0	24
8	MP3B	Z	3.441	24
9	MP3B	Mx	-.003	24
10	MP3B	X	0	60
11	MP3B	Z	3.441	60
12	MP3B	Mx	-.003	60
13	MP3C	X	0	24
14	MP3C	Z	3.441	24
15	MP3C	Mx	-.003	24
16	MP3C	X	0	60
17	MP3C	Z	3.441	60
18	MP3C	Mx	-.003	60
19	MP2A	X	0	12
20	MP2A	Z	10.948	12
21	MP2A	Mx	.005	12
22	MP2A	X	0	84
23	MP2A	Z	10.948	84
24	MP2A	Mx	.005	84
25	MP2B	X	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP2B	Z	9.605	12
27	MP2B	Mx	-.011	12
28	MP2B	X	0	84
29	MP2B	Z	9.605	84
30	MP2B	Mx	-.011	84
31	MP2C	X	0	12
32	MP2C	Z	9.605	12
33	MP2C	Mx	.006	12
34	MP2C	X	0	84
35	MP2C	Z	9.605	84
36	MP2C	Mx	.006	84
37	MP2A	X	0	12
38	MP2A	Z	10.948	12
39	MP2A	Mx	-.005	12
40	MP2A	X	0	84
41	MP2A	Z	10.948	84
42	MP2A	Mx	-.005	84
43	MP2B	X	0	12
44	MP2B	Z	9.605	12
45	MP2B	Mx	-.006	12
46	MP2B	X	0	84
47	MP2B	Z	9.605	84
48	MP2B	Mx	-.006	84
49	MP2C	X	0	12
50	MP2C	Z	9.605	12
51	MP2C	Mx	.011	12
52	MP2C	X	0	84
53	MP2C	Z	9.605	84
54	MP2C	Mx	.011	84
55	MP1A	X	0	12
56	MP1A	Z	10.935	12
57	MP1A	Mx	0	12
58	MP2A	X	0	36
59	MP2A	Z	5.036	36
60	MP2A	Mx	0	36
61	MP2B	X	0	36
62	MP2B	Z	5.036	36
63	MP2B	Mx	0	36
64	MP2C	X	0	36
65	MP2C	Z	5.036	36
66	MP2C	Mx	0	36
67	MP2A	X	0	60
68	MP2A	Z	5.036	60
69	MP2A	Mx	0	60
70	MP2B	X	0	60
71	MP2B	Z	3.784	60
72	MP2B	Mx	.002	60
73	MP2C	X	0	60
74	MP2C	Z	3.784	60
75	MP2C	Mx	-.002	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-2.683	24
2	MP3A	Z	4.647	24
3	MP3A	Mx	.003	24
4	MP3A	X	-2.683	60
5	MP3A	Z	4.647	60
6	MP3A	Mx	.003	60
7	MP3B	X	-1.239	24
8	MP3B	Z	2.146	24
9	MP3B	Mx	-.002	24
10	MP3B	X	-1.239	60
11	MP3B	Z	2.146	60
12	MP3B	Mx	-.002	60
13	MP3C	X	-1.239	24
14	MP3C	Z	2.146	24
15	MP3C	Mx	-.002	24
16	MP3C	X	-1.239	60
17	MP3C	Z	2.146	60
18	MP3C	Mx	-.002	60
19	MP2A	X	-5.25	12
20	MP2A	Z	9.093	12
21	MP2A	Mx	.01	12
22	MP2A	X	-5.25	84
23	MP2A	Z	9.093	84
24	MP2A	Mx	.01	84
25	MP2B	X	-4.578	12
26	MP2B	Z	7.93	12
27	MP2B	Mx	-.009	12
28	MP2B	X	-4.578	84
29	MP2B	Z	7.93	84
30	MP2B	Mx	-.009	84
31	MP2C	X	-5.25	12
32	MP2C	Z	9.093	12
33	MP2C	Mx	.000703	12
34	MP2C	X	-5.25	84
35	MP2C	Z	9.093	84
36	MP2C	Mx	.000703	84
37	MP2A	X	-5.25	12
38	MP2A	Z	9.093	12
39	MP2A	Mx	.000704	12
40	MP2A	X	-5.25	84
41	MP2A	Z	9.093	84
42	MP2A	Mx	.000704	84
43	MP2B	X	-4.578	12
44	MP2B	Z	7.93	12
45	MP2B	Mx	-.009	12
46	MP2B	X	-4.578	84
47	MP2B	Z	7.93	84
48	MP2B	Mx	-.009	84
49	MP2C	X	-5.25	12
50	MP2C	Z	9.093	12
51	MP2C	Mx	.01	12
52	MP2C	X	-5.25	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	9.093	84
54	MP2C	Mx	.01	84
55	MP1A	X	-5.143	12
56	MP1A	Z	8.908	12
57	MP1A	Mx	0	12
58	MP2A	X	-2.229	36
59	MP2A	Z	3.862	36
60	MP2A	Mx	-.001	36
61	MP2B	X	-2.229	36
62	MP2B	Z	3.862	36
63	MP2B	Mx	-.001	36
64	MP2C	X	-2.229	36
65	MP2C	Z	3.862	36
66	MP2C	Mx	-.001	36
67	MP2A	X	-2.309	60
68	MP2A	Z	4	60
69	MP2A	Mx	-.001	60
70	MP2B	X	-1.683	60
71	MP2B	Z	2.916	60
72	MP2B	Mx	.002	60
73	MP2C	X	-2.309	60
74	MP2C	Z	4	60
75	MP2C	Mx	-.001	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-2.98	24
2	MP3A	Z	1.72	24
3	MP3A	Mx	.003	24
4	MP3A	X	-2.98	60
5	MP3A	Z	1.72	60
6	MP3A	Mx	.003	60
7	MP3B	X	-2.98	24
8	MP3B	Z	1.72	24
9	MP3B	Mx	-.003	24
10	MP3B	X	-2.98	60
11	MP3B	Z	1.72	60
12	MP3B	Mx	-.003	60
13	MP3C	X	-2.98	24
14	MP3C	Z	1.72	24
15	MP3C	Mx	-.003	24
16	MP3C	X	-2.98	60
17	MP3C	Z	1.72	60
18	MP3C	Mx	-.003	60
19	MP2A	X	-8.318	12
20	MP2A	Z	4.802	12
21	MP2A	Mx	.011	12
22	MP2A	X	-8.318	84
23	MP2A	Z	4.802	84
24	MP2A	Mx	.011	84
25	MP2B	X	-8.318	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP2B	Z	4.802	12
27	MP2B	Mx	-.006	12
28	MP2B	X	-8.318	84
29	MP2B	Z	4.802	84
30	MP2B	Mx	-.006	84
31	MP2C	X	-9.481	12
32	MP2C	Z	5.474	12
33	MP2C	Mx	-.005	12
34	MP2C	X	-9.481	84
35	MP2C	Z	5.474	84
36	MP2C	Mx	-.005	84
37	MP2A	X	-8.318	12
38	MP2A	Z	4.802	12
39	MP2A	Mx	.006	12
40	MP2A	X	-8.318	84
41	MP2A	Z	4.802	84
42	MP2A	Mx	.006	84
43	MP2B	X	-8.318	12
44	MP2B	Z	4.802	12
45	MP2B	Mx	-.011	12
46	MP2B	X	-8.318	84
47	MP2B	Z	4.802	84
48	MP2B	Mx	-.011	84
49	MP2C	X	-9.481	12
50	MP2C	Z	5.474	12
51	MP2C	Mx	.005	12
52	MP2C	X	-9.481	84
53	MP2C	Z	5.474	84
54	MP2C	Mx	.005	84
55	MP1A	X	-7.786	12
56	MP1A	Z	4.495	12
57	MP1A	Mx	0	12
58	MP2A	X	-2.862	36
59	MP2A	Z	1.652	36
60	MP2A	Mx	-.001	36
61	MP2B	X	-2.862	36
62	MP2B	Z	1.652	36
63	MP2B	Mx	-.001	36
64	MP2C	X	-2.862	36
65	MP2C	Z	1.652	36
66	MP2C	Mx	-.001	36
67	MP2A	X	-3.277	60
68	MP2A	Z	1.892	60
69	MP2A	Mx	-.002	60
70	MP2B	X	-3.277	60
71	MP2B	Z	1.892	60
72	MP2B	Mx	.002	60
73	MP2C	X	-4.362	60
74	MP2C	Z	2.518	60
75	MP2C	Mx	0	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-2.478	24
2	MP3A	Z	0	24
3	MP3A	Mx	.002	24
4	MP3A	X	-2.478	60
5	MP3A	Z	0	60
6	MP3A	Mx	.002	60
7	MP3B	X	-5.366	24
8	MP3B	Z	0	24
9	MP3B	Mx	-.003	24
10	MP3B	X	-5.366	60
11	MP3B	Z	0	60
12	MP3B	Mx	-.003	60
13	MP3C	X	-5.366	24
14	MP3C	Z	0	24
15	MP3C	Mx	-.003	24
16	MP3C	X	-5.366	60
17	MP3C	Z	0	60
18	MP3C	Mx	-.003	60
19	MP2A	X	-9.157	12
20	MP2A	Z	0	12
21	MP2A	Mx	.009	12
22	MP2A	X	-9.157	84
23	MP2A	Z	0	84
24	MP2A	Mx	.009	84
25	MP2B	X	-10.5	12
26	MP2B	Z	0	12
27	MP2B	Mx	-.000703	12
28	MP2B	X	-10.5	84
29	MP2B	Z	0	84
30	MP2B	Mx	-.000703	84
31	MP2C	X	-10.5	12
32	MP2C	Z	0	12
33	MP2C	Mx	-.01	12
34	MP2C	X	-10.5	84
35	MP2C	Z	0	84
36	MP2C	Mx	-.01	84
37	MP2A	X	-9.157	12
38	MP2A	Z	0	12
39	MP2A	Mx	.009	12
40	MP2A	X	-9.157	84
41	MP2A	Z	0	84
42	MP2A	Mx	.009	84
43	MP2B	X	-10.5	12
44	MP2B	Z	0	12
45	MP2B	Mx	-.01	12
46	MP2B	X	-10.5	84
47	MP2B	Z	0	84
48	MP2B	Mx	-.01	84
49	MP2C	X	-10.5	12
50	MP2C	Z	0	12
51	MP2C	Mx	-.000703	12
52	MP2C	X	-10.5	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	0	84
54	MP2C	Mx	-.000703	84
55	MP1A	X	-8.342	12
56	MP1A	Z	0	12
57	MP1A	Mx	0	12
58	MP2A	X	-2.727	36
59	MP2A	Z	0	36
60	MP2A	Mx	-.001	36
61	MP2B	X	-2.727	36
62	MP2B	Z	0	36
63	MP2B	Mx	-.001	36
64	MP2C	X	-2.727	36
65	MP2C	Z	0	36
66	MP2C	Mx	-.001	36
67	MP2A	X	-3.367	60
68	MP2A	Z	0	60
69	MP2A	Mx	-.002	60
70	MP2B	X	-4.619	60
71	MP2B	Z	0	60
72	MP2B	Mx	.001	60
73	MP2C	X	-4.619	60
74	MP2C	Z	0	60
75	MP2C	Mx	.001	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-2.98	24
2	MP3A	Z	-1.72	24
3	MP3A	Mx	.003	24
4	MP3A	X	-2.98	60
5	MP3A	Z	-1.72	60
6	MP3A	Mx	.003	60
7	MP3B	X	-5.481	24
8	MP3B	Z	-3.165	24
9	MP3B	Mx	0	24
10	MP3B	X	-5.481	60
11	MP3B	Z	-3.165	60
12	MP3B	Mx	0	60
13	MP3C	X	-5.481	24
14	MP3C	Z	-3.165	24
15	MP3C	Mx	0	24
16	MP3C	X	-5.481	60
17	MP3C	Z	-3.165	60
18	MP3C	Mx	0	60
19	MP2A	X	-8.318	12
20	MP2A	Z	-4.802	12
21	MP2A	Mx	.006	12
22	MP2A	X	-8.318	84
23	MP2A	Z	-4.802	84
24	MP2A	Mx	.006	84
25	MP2B	X	-9.481	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP2B	Z	-5.474	12
27	MP2B	Mx	.005	12
28	MP2B	X	-9.481	84
29	MP2B	Z	-5.474	84
30	MP2B	Mx	.005	84
31	MP2C	X	-8.318	12
32	MP2C	Z	-4.802	12
33	MP2C	Mx	-.011	12
34	MP2C	X	-8.318	84
35	MP2C	Z	-4.802	84
36	MP2C	Mx	-.011	84
37	MP2A	X	-8.318	12
38	MP2A	Z	-4.802	12
39	MP2A	Mx	.011	12
40	MP2A	X	-8.318	84
41	MP2A	Z	-4.802	84
42	MP2A	Mx	.011	84
43	MP2B	X	-9.481	12
44	MP2B	Z	-5.474	12
45	MP2B	Mx	-.005	12
46	MP2B	X	-9.481	84
47	MP2B	Z	-5.474	84
48	MP2B	Mx	-.005	84
49	MP2C	X	-8.318	12
50	MP2C	Z	-4.802	12
51	MP2C	Mx	-.006	12
52	MP2C	X	-8.318	84
53	MP2C	Z	-4.802	84
54	MP2C	Mx	-.006	84
55	MP1A	X	-7.786	12
56	MP1A	Z	-4.495	12
57	MP1A	Mx	0	12
58	MP2A	X	-2.862	36
59	MP2A	Z	-1.652	36
60	MP2A	Mx	-.001	36
61	MP2B	X	-2.862	36
62	MP2B	Z	-1.652	36
63	MP2B	Mx	-.001	36
64	MP2C	X	-2.862	36
65	MP2C	Z	-1.652	36
66	MP2C	Mx	-.001	36
67	MP2A	X	-3.277	60
68	MP2A	Z	-1.892	60
69	MP2A	Mx	-.002	60
70	MP2B	X	-4.362	60
71	MP2B	Z	-2.518	60
72	MP2B	Mx	0	60
73	MP2C	X	-3.277	60
74	MP2C	Z	-1.892	60
75	MP2C	Mx	.002	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP3A	X	-2.683	24
2	MP3A	Z	-4.647	24
3	MP3A	Mx	.003	24
4	MP3A	X	-2.683	60
5	MP3A	Z	-4.647	60
6	MP3A	Mx	.003	60
7	MP3B	X	-2.683	24
8	MP3B	Z	-4.647	24
9	MP3B	Mx	.003	24
10	MP3B	X	-2.683	60
11	MP3B	Z	-4.647	60
12	MP3B	Mx	.003	60
13	MP3C	X	-2.683	24
14	MP3C	Z	-4.647	24
15	MP3C	Mx	.003	24
16	MP3C	X	-2.683	60
17	MP3C	Z	-4.647	60
18	MP3C	Mx	.003	60
19	MP2A	X	-5.25	12
20	MP2A	Z	-9.093	12
21	MP2A	Mx	.000704	12
22	MP2A	X	-5.25	84
23	MP2A	Z	-9.093	84
24	MP2A	Mx	.000704	84
25	MP2B	X	-5.25	12
26	MP2B	Z	-9.093	12
27	MP2B	Mx	.01	12
28	MP2B	X	-5.25	84
29	MP2B	Z	-9.093	84
30	MP2B	Mx	.01	84
31	MP2C	X	-4.578	12
32	MP2C	Z	-7.93	12
33	MP2C	Mx	-.009	12
34	MP2C	X	-4.578	84
35	MP2C	Z	-7.93	84
36	MP2C	Mx	-.009	84
37	MP2A	X	-5.25	12
38	MP2A	Z	-9.093	12
39	MP2A	Mx	.01	12
40	MP2A	X	-5.25	84
41	MP2A	Z	-9.093	84
42	MP2A	Mx	.01	84
43	MP2B	X	-5.25	12
44	MP2B	Z	-9.093	12
45	MP2B	Mx	.000703	12
46	MP2B	X	-5.25	84
47	MP2B	Z	-9.093	84
48	MP2B	Mx	.000703	84
49	MP2C	X	-4.578	12
50	MP2C	Z	-7.93	12
51	MP2C	Mx	-.009	12
52	MP2C	X	-4.578	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
53	MP2C	Z	-7.93	84
54	MP2C	Mx	-.009	84
55	MP1A	X	-5.143	12
56	MP1A	Z	-8.908	12
57	MP1A	Mx	0	12
58	MP2A	X	-2.229	36
59	MP2A	Z	-3.862	36
60	MP2A	Mx	-.001	36
61	MP2B	X	-2.229	36
62	MP2B	Z	-3.862	36
63	MP2B	Mx	-.001	36
64	MP2C	X	-2.229	36
65	MP2C	Z	-3.862	36
66	MP2C	Mx	-.001	36
67	MP2A	X	-2.309	60
68	MP2A	Z	-4	60
69	MP2A	Mx	-.001	60
70	MP2B	X	-2.309	60
71	MP2B	Z	-4	60
72	MP2B	Mx	-.001	60
73	MP2C	X	-1.683	60
74	MP2C	Z	-2.916	60
75	MP2C	Mx	.002	60

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M42	Y	-500	%33

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M42	Y	-500	%66

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M42	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M11	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	Y	-10.253	-10.253	0	%100
2	M5	Y	-10.253	-10.253	0	%100
3	M7	Y	-5.708	-5.708	0	%100
4	M8	Y	-5.708	-5.708	0	%100
5	M11	Y	-9.747	-9.747	0	%100
6	M12	Y	-9.747	-9.747	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
7	M13	Y	-9.747	-9.747	0	%100
8	M14	Y	-10.266	-10.266	0	%100
9	M15	Y	-10.266	-10.266	0	%100
10	M16	Y	-10.253	-10.253	0	%100
11	M18	Y	-10.253	-10.253	0	%100
12	M20	Y	-5.708	-5.708	0	%100
13	M21	Y	-5.708	-5.708	0	%100
14	M22	Y	-10.266	-10.266	0	%100
15	M23	Y	-10.266	-10.266	0	%100
16	M24	Y	-9.747	-9.747	0	%100
17	M25	Y	-9.747	-9.747	0	%100
18	M26	Y	-9.747	-9.747	0	%100
19	M29	Y	-10.253	-10.253	0	%100
20	M30	Y	-10.253	-10.253	0	%100
21	M31	Y	-10.253	-10.253	0	%100
22	M32	Y	-10.253	-10.253	0	%100
23	M33	Y	-5.708	-5.708	0	%100
24	M34	Y	-5.708	-5.708	0	%100
25	M37	Y	-9.747	-9.747	0	%100
26	M38	Y	-9.747	-9.747	0	%100
27	M39	Y	-9.747	-9.747	0	%100
28	M40	Y	-6.667	-6.667	0	%100
29	M41	Y	-6.667	-6.667	0	%100
30	M42	Y	-6.667	-6.667	0	%100
31	M139	Y	-9.995	-9.995	0	%100
32	M140	Y	-9.995	-9.995	0	%100
33	M141	Y	-9.995	-9.995	0	%100
34	M154	Y	-5.06	-5.06	0	%100
35	M155	Y	-5.06	-5.06	0	%100
36	M156	Y	-5.06	-5.06	0	%100
37	M157	Y	-6.718	-6.718	0	%100
38	M158	Y	-6.718	-6.718	0	%100
39	M159	Y	-6.718	-6.718	0	%100
40	MP4A	Y	-5.06	-5.06	0	%100
41	MP3A	Y	-5.06	-5.06	0	%100
42	MP2A	Y	-5.06	-5.06	0	%100
43	MP1A	Y	-5.06	-5.06	0	%100
44	MP4C	Y	-5.06	-5.06	0	%100
45	MP3C	Y	-5.06	-5.06	0	%100
46	MP2C	Y	-5.06	-5.06	0	%100
47	MP1C	Y	-5.06	-5.06	0	%100
48	MP4B	Y	-5.06	-5.06	0	%100
49	MP3B	Y	-5.06	-5.06	0	%100
50	MP2B	Y	-5.06	-5.06	0	%100
51	MP1B	Y	-5.06	-5.06	0	%100
52	M82	Y	-10.266	-10.266	0	%100
53	M83	Y	-10.266	-10.266	0	%100
54	M84A	Y	-10.266	-10.266	0	%100
55	M85A	Y	-10.266	-10.266	0	%100
56	M87A	Y	-10.266	-10.266	0	%100
57	M88A	Y	-10.266	-10.266	0	%100
58	M89A	Y	-10.266	-10.266	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
59	M90	Y	-10.266	-10.266	0	%100
60	M90A	Y	-10.253	-10.253	0	%100
61	M91A	Y	-10.253	-10.253	0	%100
62	M92A	Y	-10.253	-10.253	0	%100
63	M93A	Y	-10.253	-10.253	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	0	0	0	%100
2	M3	Z	-20.75	-20.75	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	-20.75	-20.75	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-3.773	-3.773	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-15.091	-15.091	0	%100
9	M11	X	0	0	0	%100
10	M11	Z	-12.069	-12.069	0	%100
11	M12	X	0	0	0	%100
12	M12	Z	-3.451	-3.451	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	-3.451	-3.451	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	-6.791	-6.791	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	-6.791	-6.791	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	-20.75	-20.75	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	-20.75	-20.75	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	-15.091	-15.091	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	-3.774	-3.774	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	-.000544	-.000544	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	-20.267	-20.267	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	-12.071	-12.071	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	-3.45	-3.45	0	%100
35	M26	X	0	0	0	%100
36	M26	Z	-3.451	-3.451	0	%100
37	M29	X	0	0	0	%100
38	M29	Z	0	0	0	%100
39	M30	X	0	0	0	%100
40	M30	Z	-.334	-.334	0	%100
41	M31	X	0	0	0	%100
42	M31	Z	0	0	0	%100
43	M32	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[in,%]	End Location[in,%]
44	M32	Z	-.334	-.334	0	%100
45	M33	X	0	0	0	%100
46	M33	Z	-3.775	-3.775	0	%100
47	M34	X	0	0	0	%100
48	M34	Z	-3.77	-3.77	0	%100
49	M37	X	0	0	0	%100
50	M37	Z	-1e-6	-1e-6	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	-13.801	-13.801	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	-13.803	-13.803	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	-3.683	-3.683	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	-3.683	-3.683	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	-14.732	-14.732	0	%100
61	M139	X	0	0	0	%100
62	M139	Z	-23.238	-23.238	0	%100
63	M140	X	0	0	0	%100
64	M140	Z	-5.815	-5.815	0	%100
65	M141	X	0	0	0	%100
66	M141	Z	-23.239	-23.239	0	%100
67	M154	X	0	0	0	%100
68	M154	Z	-10.752	-10.752	0	%100
69	M155	X	0	0	0	%100
70	M155	Z	-2.688	-2.688	0	%100
71	M156	X	0	0	0	%100
72	M156	Z	-2.688	-2.688	0	%100
73	M157	X	0	0	0	%100
74	M157	Z	-3.318	-3.318	0	%100
75	M158	X	0	0	0	%100
76	M158	Z	-13.271	-13.271	0	%100
77	M159	X	0	0	0	%100
78	M159	Z	-3.318	-3.318	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-10.752	-10.752	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	-10.752	-10.752	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	-10.752	-10.752	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-10.752	-10.752	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-10.752	-10.752	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-10.752	-10.752	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-10.752	-10.752	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-10.752	-10.752	0	%100
95	MP4B	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[in,%]	End Location[in,%]
96	MP4B	Z	-10.752	-10.752	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	-10.752	-10.752	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-10.752	-10.752	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-10.752	-10.752	0	%100
103	M82	X	0	0	0	%100
104	M82	Z	-6.791	-6.791	0	%100
105	M83	X	0	0	0	%100
106	M83	Z	-6.791	-6.791	0	%100
107	M84A	X	0	0	0	%100
108	M84A	Z	-.000544	-.000544	0	%100
109	M85A	X	0	0	0	%100
110	M85A	Z	-20.267	-20.267	0	%100
111	M87A	X	0	0	0	%100
112	M87A	Z	-6.791	-6.791	0	%100
113	M88A	X	0	0	0	%100
114	M88A	Z	-6.791	-6.791	0	%100
115	M89A	X	0	0	0	%100
116	M89A	Z	-.000544	-.000544	0	%100
117	M90	X	0	0	0	%100
118	M90	Z	-20.267	-20.267	0	%100
119	M90A	X	0	0	0	%100
120	M90A	Z	-.334	-.334	0	%100
121	M91A	X	0	0	0	%100
122	M91A	Z	-.334	-.334	0	%100
123	M92A	X	0	0	0	%100
124	M92A	Z	-.334	-.334	0	%100
125	M93A	X	0	0	0	%100
126	M93A	Z	-.334	-.334	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	3.458	3.458	0	%100
2	M3	Z	-5.99	-5.99	0	%100
3	M5	X	3.458	3.458	0	%100
4	M5	Z	-5.99	-5.99	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	5.659	5.659	0	%100
8	M8	Z	-9.802	-9.802	0	%100
9	M11	X	2.012	2.012	0	%100
10	M11	Z	-3.484	-3.484	0	%100
11	M12	X	5.176	5.176	0	%100
12	M12	Z	-8.965	-8.965	0	%100
13	M13	X	5.176	5.176	0	%100
14	M13	Z	-8.965	-8.965	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	0	0	0	%100
17	M15	X	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[in,%]	End Location[in,%]
18	M15	Z	0	0	0	%100
19	M16	X	13.834	13.834	0	%100
20	M16	Z	-23.96	-23.96	0	%100
21	M18	X	13.834	13.834	0	%100
22	M18	Z	-23.96	-23.96	0	%100
23	M20	X	5.659	5.659	0	%100
24	M20	Z	-9.801	-9.801	0	%100
25	M21	X	5.66	5.66	0	%100
26	M21	Z	-9.803	-9.803	0	%100
27	M22	X	3.343	3.343	0	%100
28	M22	Z	-5.79	-5.79	0	%100
29	M23	X	3.343	3.343	0	%100
30	M23	Z	-5.79	-5.79	0	%100
31	M24	X	8.047	8.047	0	%100
32	M24	Z	-13.939	-13.939	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	0	0	0	%100
36	M26	Z	0	0	0	%100
37	M29	X	3.458	3.458	0	%100
38	M29	Z	-5.99	-5.99	0	%100
39	M30	X	2.182	2.182	0	%100
40	M30	Z	-3.779	-3.779	0	%100
41	M31	X	3.458	3.458	0	%100
42	M31	Z	-5.99	-5.99	0	%100
43	M32	X	4.776	4.776	0	%100
44	M32	Z	-8.273	-8.273	0	%100
45	M33	X	5.66	5.66	0	%100
46	M33	Z	-9.804	-9.804	0	%100
47	M34	X	0	0	0	%100
48	M34	Z	0	0	0	%100
49	M37	X	2.014	2.014	0	%100
50	M37	Z	-3.488	-3.488	0	%100
51	M38	X	5.175	5.175	0	%100
52	M38	Z	-8.964	-8.964	0	%100
53	M39	X	5.176	5.176	0	%100
54	M39	Z	-8.965	-8.965	0	%100
55	M40	X	5.525	5.525	0	%100
56	M40	Z	-9.569	-9.569	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	5.525	5.525	0	%100
60	M42	Z	-9.569	-9.569	0	%100
61	M139	X	5.813	5.813	0	%100
62	M139	Z	-10.068	-10.068	0	%100
63	M140	X	5.814	5.814	0	%100
64	M140	Z	-10.07	-10.07	0	%100
65	M141	X	14.523	14.523	0	%100
66	M141	Z	-25.155	-25.155	0	%100
67	M154	X	4.032	4.032	0	%100
68	M154	Z	-6.984	-6.984	0	%100
69	M155	X	4.032	4.032	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
70	M155	Z	-6.984	-6.984	0	%100
71	M156	X	0	0	0	%100
72	M156	Z	0	0	0	%100
73	M157	X	4.977	4.977	0	%100
74	M157	Z	-8.62	-8.62	0	%100
75	M158	X	4.977	4.977	0	%100
76	M158	Z	-8.62	-8.62	0	%100
77	M159	X	0	0	0	%100
78	M159	Z	0	0	0	%100
79	MP4A	X	5.376	5.376	0	%100
80	MP4A	Z	-9.312	-9.312	0	%100
81	MP3A	X	5.376	5.376	0	%100
82	MP3A	Z	-9.312	-9.312	0	%100
83	MP2A	X	5.376	5.376	0	%100
84	MP2A	Z	-9.312	-9.312	0	%100
85	MP1A	X	5.376	5.376	0	%100
86	MP1A	Z	-9.312	-9.312	0	%100
87	MP4C	X	5.376	5.376	0	%100
88	MP4C	Z	-9.312	-9.312	0	%100
89	MP3C	X	5.376	5.376	0	%100
90	MP3C	Z	-9.312	-9.312	0	%100
91	MP2C	X	5.376	5.376	0	%100
92	MP2C	Z	-9.312	-9.312	0	%100
93	MP1C	X	5.376	5.376	0	%100
94	MP1C	Z	-9.312	-9.312	0	%100
95	MP4B	X	5.376	5.376	0	%100
96	MP4B	Z	-9.312	-9.312	0	%100
97	MP3B	X	5.376	5.376	0	%100
98	MP3B	Z	-9.312	-9.312	0	%100
99	MP2B	X	5.376	5.376	0	%100
100	MP2B	Z	-9.312	-9.312	0	%100
101	MP1B	X	5.376	5.376	0	%100
102	MP1B	Z	-9.312	-9.312	0	%100
103	M82	X	0	0	0	%100
104	M82	Z	0	0	0	%100
105	M83	X	0	0	0	%100
106	M83	Z	0	0	0	%100
107	M84A	X	3.343	3.343	0	%100
108	M84A	Z	-5.79	-5.79	0	%100
109	M85A	X	3.343	3.343	0	%100
110	M85A	Z	-5.79	-5.79	0	%100
111	M87A	X	0	0	0	%100
112	M87A	Z	0	0	0	%100
113	M88A	X	0	0	0	%100
114	M88A	Z	0	0	0	%100
115	M89A	X	3.343	3.343	0	%100
116	M89A	Z	-5.79	-5.79	0	%100
117	M90	X	3.343	3.343	0	%100
118	M90	Z	-5.79	-5.79	0	%100
119	M90A	X	2.182	2.182	0	%100
120	M90A	Z	-3.779	-3.779	0	%100
121	M91A	X	4.776	4.776	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
122	M91A	Z	-8.273	-8.273	0	%100
123	M92A	X	2.182	2.182	0	%100
124	M92A	Z	-3.779	-3.779	0	%100
125	M93A	X	4.776	4.776	0	%100
126	M93A	Z	-8.273	-8.273	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	0	0	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M7	X	3.267	3.267	0	%100
6	M7	Z	-1.886	-1.886	0	%100
7	M8	X	3.267	3.267	0	%100
8	M8	Z	-1.886	-1.886	0	%100
9	M11	X	0	0	0	%100
10	M11	Z	0	0	0	%100
11	M12	X	11.953	11.953	0	%100
12	M12	Z	-6.901	-6.901	0	%100
13	M13	X	11.953	11.953	0	%100
14	M13	Z	-6.901	-6.901	0	%100
15	M14	X	5.881	5.881	0	%100
16	M14	Z	-3.395	-3.395	0	%100
17	M15	X	5.881	5.881	0	%100
18	M15	Z	-3.395	-3.395	0	%100
19	M16	X	17.97	17.97	0	%100
20	M16	Z	-10.375	-10.375	0	%100
21	M18	X	17.97	17.97	0	%100
22	M18	Z	-10.375	-10.375	0	%100
23	M20	X	3.267	3.267	0	%100
24	M20	Z	-1.886	-1.886	0	%100
25	M21	X	13.069	13.069	0	%100
26	M21	Z	-7.546	-7.546	0	%100
27	M22	X	17.552	17.552	0	%100
28	M22	Z	-10.134	-10.134	0	%100
29	M23	X	.000471	.000471	0	%100
30	M23	Z	-.000272	-.000272	0	%100
31	M24	X	10.454	10.454	0	%100
32	M24	Z	-6.036	-6.036	0	%100
33	M25	X	2.988	2.988	0	%100
34	M25	Z	-1.725	-1.725	0	%100
35	M26	X	2.988	2.988	0	%100
36	M26	Z	-1.725	-1.725	0	%100
37	M29	X	17.97	17.97	0	%100
38	M29	Z	-10.375	-10.375	0	%100
39	M30	X	15.252	15.252	0	%100
40	M30	Z	-8.806	-8.806	0	%100
41	M31	X	17.97	17.97	0	%100
42	M31	Z	-10.375	-10.375	0	%100
43	M32	X	19.745	19.745	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
44	M32	Z	-11.4	-11.4	0	%100
45	M33	X	13.069	13.069	0	%100
46	M33	Z	-7.546	-7.546	0	%100
47	M34	X	3.269	3.269	0	%100
48	M34	Z	-1.888	-1.888	0	%100
49	M37	X	10.457	10.457	0	%100
50	M37	Z	-6.037	-6.037	0	%100
51	M38	X	2.988	2.988	0	%100
52	M38	Z	-1.725	-1.725	0	%100
53	M39	X	2.988	2.988	0	%100
54	M39	Z	-1.725	-1.725	0	%100
55	M40	X	12.759	12.759	0	%100
56	M40	Z	-7.366	-7.366	0	%100
57	M41	X	3.19	3.19	0	%100
58	M41	Z	-1.842	-1.842	0	%100
59	M42	X	3.19	3.19	0	%100
60	M42	Z	-1.842	-1.842	0	%100
61	M139	X	5.04	5.04	0	%100
62	M139	Z	-2.91	-2.91	0	%100
63	M140	X	20.13	20.13	0	%100
64	M140	Z	-11.622	-11.622	0	%100
65	M141	X	20.126	20.126	0	%100
66	M141	Z	-11.62	-11.62	0	%100
67	M154	X	2.328	2.328	0	%100
68	M154	Z	-1.344	-1.344	0	%100
69	M155	X	9.312	9.312	0	%100
70	M155	Z	-5.376	-5.376	0	%100
71	M156	X	2.328	2.328	0	%100
72	M156	Z	-1.344	-1.344	0	%100
73	M157	X	11.493	11.493	0	%100
74	M157	Z	-6.636	-6.636	0	%100
75	M158	X	2.873	2.873	0	%100
76	M158	Z	-1.659	-1.659	0	%100
77	M159	X	2.873	2.873	0	%100
78	M159	Z	-1.659	-1.659	0	%100
79	MP4A	X	9.312	9.312	0	%100
80	MP4A	Z	-5.376	-5.376	0	%100
81	MP3A	X	9.312	9.312	0	%100
82	MP3A	Z	-5.376	-5.376	0	%100
83	MP2A	X	9.312	9.312	0	%100
84	MP2A	Z	-5.376	-5.376	0	%100
85	MP1A	X	9.312	9.312	0	%100
86	MP1A	Z	-5.376	-5.376	0	%100
87	MP4C	X	9.312	9.312	0	%100
88	MP4C	Z	-5.376	-5.376	0	%100
89	MP3C	X	9.312	9.312	0	%100
90	MP3C	Z	-5.376	-5.376	0	%100
91	MP2C	X	9.312	9.312	0	%100
92	MP2C	Z	-5.376	-5.376	0	%100
93	MP1C	X	9.312	9.312	0	%100
94	MP1C	Z	-5.376	-5.376	0	%100
95	MP4B	X	9.312	9.312	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
96	MP4B	Z	-5.376	-5.376	0	%100
97	MP3B	X	9.312	9.312	0	%100
98	MP3B	Z	-5.376	-5.376	0	%100
99	MP2B	X	9.312	9.312	0	%100
100	MP2B	Z	-5.376	-5.376	0	%100
101	MP1B	X	9.312	9.312	0	%100
102	MP1B	Z	-5.376	-5.376	0	%100
103	M82	X	5.881	5.881	0	%100
104	M82	Z	-3.395	-3.395	0	%100
105	M83	X	5.881	5.881	0	%100
106	M83	Z	-3.395	-3.395	0	%100
107	M84A	X	17.552	17.552	0	%100
108	M84A	Z	-10.134	-10.134	0	%100
109	M85A	X	.000471	.000471	0	%100
110	M85A	Z	-.000272	-.000272	0	%100
111	M87A	X	5.881	5.881	0	%100
112	M87A	Z	-3.395	-3.395	0	%100
113	M88A	X	5.881	5.881	0	%100
114	M88A	Z	-3.395	-3.395	0	%100
115	M89A	X	17.552	17.552	0	%100
116	M89A	Z	-10.134	-10.134	0	%100
117	M90	X	.000471	.000471	0	%100
118	M90	Z	-.000272	-.000272	0	%100
119	M90A	X	15.252	15.252	0	%100
120	M90A	Z	-8.806	-8.806	0	%100
121	M91A	X	19.745	19.745	0	%100
122	M91A	Z	-11.4	-11.4	0	%100
123	M92A	X	15.252	15.252	0	%100
124	M92A	Z	-8.806	-8.806	0	%100
125	M93A	X	19.745	19.745	0	%100
126	M93A	Z	-11.4	-11.4	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	6.917	6.917	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	6.917	6.917	0	%100
4	M5	Z	0	0	0	%100
5	M7	X	11.318	11.318	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M11	X	4.023	4.023	0	%100
10	M11	Z	0	0	0	%100
11	M12	X	10.352	10.352	0	%100
12	M12	Z	0	0	0	%100
13	M13	X	10.352	10.352	0	%100
14	M13	Z	0	0	0	%100
15	M14	X	20.373	20.373	0	%100
16	M14	Z	0	0	0	%100
17	M15	X	20.373	20.373	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
18	M15	Z	0	0	0	%100
19	M16	X	6.917	6.917	0	%100
20	M16	Z	0	0	0	%100
21	M18	X	6.917	6.917	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	11.317	11.317	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	27.163	27.163	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	6.897	6.897	0	%100
30	M23	Z	0	0	0	%100
31	M24	X	4.024	4.024	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	10.351	10.351	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	10.352	10.352	0	%100
36	M26	Z	0	0	0	%100
37	M29	X	27.667	27.667	0	%100
38	M29	Z	0	0	0	%100
39	M30	X	26.83	26.83	0	%100
40	M30	Z	0	0	0	%100
41	M31	X	27.667	27.667	0	%100
42	M31	Z	0	0	0	%100
43	M32	X	26.83	26.83	0	%100
44	M32	Z	0	0	0	%100
45	M33	X	11.316	11.316	0	%100
46	M33	Z	0	0	0	%100
47	M34	X	11.321	11.321	0	%100
48	M34	Z	0	0	0	%100
49	M37	X	16.095	16.095	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	0	0	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	11.049	11.049	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	11.049	11.049	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	0	0	0	%100
61	M139	X	11.626	11.626	0	%100
62	M139	Z	0	0	0	%100
63	M140	X	29.047	29.047	0	%100
64	M140	Z	0	0	0	%100
65	M141	X	11.623	11.623	0	%100
66	M141	Z	0	0	0	%100
67	M154	X	0	0	0	%100
68	M154	Z	0	0	0	%100
69	M155	X	8.064	8.064	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
70	M155	Z	0	0	0	%100
71	M156	X	8.064	8.064	0	%100
72	M156	Z	0	0	0	%100
73	M157	X	9.954	9.954	0	%100
74	M157	Z	0	0	0	%100
75	M158	X	0	0	0	%100
76	M158	Z	0	0	0	%100
77	M159	X	9.954	9.954	0	%100
78	M159	Z	0	0	0	%100
79	MP4A	X	10.752	10.752	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	10.752	10.752	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	10.752	10.752	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	10.752	10.752	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	10.752	10.752	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	10.752	10.752	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	10.752	10.752	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	10.752	10.752	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	10.752	10.752	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	10.752	10.752	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	10.752	10.752	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	10.752	10.752	0	%100
102	MP1B	Z	0	0	0	%100
103	M82	X	20.373	20.373	0	%100
104	M82	Z	0	0	0	%100
105	M83	X	20.373	20.373	0	%100
106	M83	Z	0	0	0	%100
107	M84A	X	27.163	27.163	0	%100
108	M84A	Z	0	0	0	%100
109	M85A	X	6.897	6.897	0	%100
110	M85A	Z	0	0	0	%100
111	M87A	X	20.373	20.373	0	%100
112	M87A	Z	0	0	0	%100
113	M88A	X	20.373	20.373	0	%100
114	M88A	Z	0	0	0	%100
115	M89A	X	27.163	27.163	0	%100
116	M89A	Z	0	0	0	%100
117	M90	X	6.897	6.897	0	%100
118	M90	Z	0	0	0	%100
119	M90A	X	26.83	26.83	0	%100
120	M90A	Z	0	0	0	%100
121	M91A	X	26.83	26.83	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
122	M91A	Z	0	0	0	%100
123	M92A	X	26.83	26.83	0	%100
124	M92A	Z	0	0	0	%100
125	M93A	X	26.83	26.83	0	%100
126	M93A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	17.97	17.97	0	%100
2	M3	Z	10.375	10.375	0	%100
3	M5	X	17.97	17.97	0	%100
4	M5	Z	10.375	10.375	0	%100
5	M7	X	13.069	13.069	0	%100
6	M7	Z	7.546	7.546	0	%100
7	M8	X	3.267	3.267	0	%100
8	M8	Z	1.886	1.886	0	%100
9	M11	X	10.452	10.452	0	%100
10	M11	Z	6.035	6.035	0	%100
11	M12	X	2.988	2.988	0	%100
12	M12	Z	1.725	1.725	0	%100
13	M13	X	2.988	2.988	0	%100
14	M13	Z	1.725	1.725	0	%100
15	M14	X	23.525	23.525	0	%100
16	M14	Z	13.582	13.582	0	%100
17	M15	X	23.525	23.525	0	%100
18	M15	Z	13.582	13.582	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	3.268	3.268	0	%100
24	M20	Z	1.887	1.887	0	%100
25	M21	X	3.267	3.267	0	%100
26	M21	Z	1.886	1.886	0	%100
27	M22	X	17.734	17.734	0	%100
28	M22	Z	10.239	10.239	0	%100
29	M23	X	17.734	17.734	0	%100
30	M23	Z	10.239	10.239	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	11.953	11.953	0	%100
34	M25	Z	6.901	6.901	0	%100
35	M26	X	11.953	11.953	0	%100
36	M26	Z	6.901	6.901	0	%100
37	M29	X	17.97	17.97	0	%100
38	M29	Z	10.375	10.375	0	%100
39	M30	X	19.745	19.745	0	%100
40	M30	Z	11.4	11.4	0	%100
41	M31	X	17.97	17.97	0	%100
42	M31	Z	10.375	10.375	0	%100
43	M32	X	15.252	15.252	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
44	M32	Z	8.806	8.806	0	%100
45	M33	X	3.265	3.265	0	%100
46	M33	Z	1.885	1.885	0	%100
47	M34	X	13.069	13.069	0	%100
48	M34	Z	7.546	7.546	0	%100
49	M37	X	10.451	10.451	0	%100
50	M37	Z	6.034	6.034	0	%100
51	M38	X	2.988	2.988	0	%100
52	M38	Z	1.725	1.725	0	%100
53	M39	X	2.988	2.988	0	%100
54	M39	Z	1.725	1.725	0	%100
55	M40	X	3.19	3.19	0	%100
56	M40	Z	1.842	1.842	0	%100
57	M41	X	12.759	12.759	0	%100
58	M41	Z	7.366	7.366	0	%100
59	M42	X	3.19	3.19	0	%100
60	M42	Z	1.842	1.842	0	%100
61	M139	X	20.124	20.124	0	%100
62	M139	Z	11.619	11.619	0	%100
63	M140	X	20.121	20.121	0	%100
64	M140	Z	11.617	11.617	0	%100
65	M141	X	5.036	5.036	0	%100
66	M141	Z	2.908	2.908	0	%100
67	M154	X	2.328	2.328	0	%100
68	M154	Z	1.344	1.344	0	%100
69	M155	X	2.328	2.328	0	%100
70	M155	Z	1.344	1.344	0	%100
71	M156	X	9.312	9.312	0	%100
72	M156	Z	5.376	5.376	0	%100
73	M157	X	2.873	2.873	0	%100
74	M157	Z	1.659	1.659	0	%100
75	M158	X	2.873	2.873	0	%100
76	M158	Z	1.659	1.659	0	%100
77	M159	X	11.493	11.493	0	%100
78	M159	Z	6.636	6.636	0	%100
79	MP4A	X	9.312	9.312	0	%100
80	MP4A	Z	5.376	5.376	0	%100
81	MP3A	X	9.312	9.312	0	%100
82	MP3A	Z	5.376	5.376	0	%100
83	MP2A	X	9.312	9.312	0	%100
84	MP2A	Z	5.376	5.376	0	%100
85	MP1A	X	9.312	9.312	0	%100
86	MP1A	Z	5.376	5.376	0	%100
87	MP4C	X	9.312	9.312	0	%100
88	MP4C	Z	5.376	5.376	0	%100
89	MP3C	X	9.312	9.312	0	%100
90	MP3C	Z	5.376	5.376	0	%100
91	MP2C	X	9.312	9.312	0	%100
92	MP2C	Z	5.376	5.376	0	%100
93	MP1C	X	9.312	9.312	0	%100
94	MP1C	Z	5.376	5.376	0	%100
95	MP4B	X	9.312	9.312	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
96	MP4B	Z	5.376	5.376	0	%100
97	MP3B	X	9.312	9.312	0	%100
98	MP3B	Z	5.376	5.376	0	%100
99	MP2B	X	9.312	9.312	0	%100
100	MP2B	Z	5.376	5.376	0	%100
101	MP1B	X	9.312	9.312	0	%100
102	MP1B	Z	5.376	5.376	0	%100
103	M82	X	23.525	23.525	0	%100
104	M82	Z	13.582	13.582	0	%100
105	M83	X	23.525	23.525	0	%100
106	M83	Z	13.582	13.582	0	%100
107	M84A	X	17.734	17.734	0	%100
108	M84A	Z	10.239	10.239	0	%100
109	M85A	X	17.734	17.734	0	%100
110	M85A	Z	10.239	10.239	0	%100
111	M87A	X	23.525	23.525	0	%100
112	M87A	Z	13.582	13.582	0	%100
113	M88A	X	23.525	23.525	0	%100
114	M88A	Z	13.582	13.582	0	%100
115	M89A	X	17.734	17.734	0	%100
116	M89A	Z	10.239	10.239	0	%100
117	M90	X	17.734	17.734	0	%100
118	M90	Z	10.239	10.239	0	%100
119	M90A	X	19.745	19.745	0	%100
120	M90A	Z	11.4	11.4	0	%100
121	M91A	X	15.252	15.252	0	%100
122	M91A	Z	8.806	8.806	0	%100
123	M92A	X	19.745	19.745	0	%100
124	M92A	Z	11.4	11.4	0	%100
125	M93A	X	15.252	15.252	0	%100
126	M93A	Z	8.806	8.806	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	13.834	13.834	0	%100
2	M3	Z	23.96	23.96	0	%100
3	M5	X	13.834	13.834	0	%100
4	M5	Z	23.96	23.96	0	%100
5	M7	X	5.659	5.659	0	%100
6	M7	Z	9.802	9.802	0	%100
7	M8	X	5.659	5.659	0	%100
8	M8	Z	9.802	9.802	0	%100
9	M11	X	8.046	8.046	0	%100
10	M11	Z	13.936	13.936	0	%100
11	M12	X	0	0	0	%100
12	M12	Z	0	0	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	0	0	0	%100
15	M14	X	10.186	10.186	0	%100
16	M14	Z	17.644	17.644	0	%100
17	M15	X	10.186	10.186	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
18	M15	Z	17.644	17.644	0	%100
19	M16	X	3.458	3.458	0	%100
20	M16	Z	5.99	5.99	0	%100
21	M18	X	3.458	3.458	0	%100
22	M18	Z	5.99	5.99	0	%100
23	M20	X	5.66	5.66	0	%100
24	M20	Z	9.803	9.803	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	3.448	3.448	0	%100
28	M22	Z	5.973	5.973	0	%100
29	M23	X	13.582	13.582	0	%100
30	M23	Z	23.524	23.524	0	%100
31	M24	X	2.012	2.012	0	%100
32	M24	Z	3.485	3.485	0	%100
33	M25	X	5.176	5.176	0	%100
34	M25	Z	8.965	8.965	0	%100
35	M26	X	5.176	5.176	0	%100
36	M26	Z	8.965	8.965	0	%100
37	M29	X	3.458	3.458	0	%100
38	M29	Z	5.99	5.99	0	%100
39	M30	X	4.776	4.776	0	%100
40	M30	Z	8.273	8.273	0	%100
41	M31	X	3.458	3.458	0	%100
42	M31	Z	5.99	5.99	0	%100
43	M32	X	2.182	2.182	0	%100
44	M32	Z	3.779	3.779	0	%100
45	M33	X	0	0	0	%100
46	M33	Z	0	0	0	%100
47	M34	X	5.658	5.658	0	%100
48	M34	Z	9.8	9.8	0	%100
49	M37	X	2.01	2.01	0	%100
50	M37	Z	3.482	3.482	0	%100
51	M38	X	5.175	5.175	0	%100
52	M38	Z	8.964	8.964	0	%100
53	M39	X	5.176	5.176	0	%100
54	M39	Z	8.965	8.965	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	5.525	5.525	0	%100
58	M41	Z	9.569	9.569	0	%100
59	M42	X	5.525	5.525	0	%100
60	M42	Z	9.569	9.569	0	%100
61	M139	X	14.522	14.522	0	%100
62	M139	Z	25.152	25.152	0	%100
63	M140	X	5.809	5.809	0	%100
64	M140	Z	10.062	10.062	0	%100
65	M141	X	5.812	5.812	0	%100
66	M141	Z	10.066	10.066	0	%100
67	M154	X	4.032	4.032	0	%100
68	M154	Z	6.984	6.984	0	%100
69	M155	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
70	M155	Z	0	0	0	%100
71	M156	X	4.032	4.032	0	%100
72	M156	Z	6.984	6.984	0	%100
73	M157	X	0	0	0	%100
74	M157	Z	0	0	0	%100
75	M158	X	4.977	4.977	0	%100
76	M158	Z	8.62	8.62	0	%100
77	M159	X	4.977	4.977	0	%100
78	M159	Z	8.62	8.62	0	%100
79	MP4A	X	5.376	5.376	0	%100
80	MP4A	Z	9.312	9.312	0	%100
81	MP3A	X	5.376	5.376	0	%100
82	MP3A	Z	9.312	9.312	0	%100
83	MP2A	X	5.376	5.376	0	%100
84	MP2A	Z	9.312	9.312	0	%100
85	MP1A	X	5.376	5.376	0	%100
86	MP1A	Z	9.312	9.312	0	%100
87	MP4C	X	5.376	5.376	0	%100
88	MP4C	Z	9.312	9.312	0	%100
89	MP3C	X	5.376	5.376	0	%100
90	MP3C	Z	9.312	9.312	0	%100
91	MP2C	X	5.376	5.376	0	%100
92	MP2C	Z	9.312	9.312	0	%100
93	MP1C	X	5.376	5.376	0	%100
94	MP1C	Z	9.312	9.312	0	%100
95	MP4B	X	5.376	5.376	0	%100
96	MP4B	Z	9.312	9.312	0	%100
97	MP3B	X	5.376	5.376	0	%100
98	MP3B	Z	9.312	9.312	0	%100
99	MP2B	X	5.376	5.376	0	%100
100	MP2B	Z	9.312	9.312	0	%100
101	MP1B	X	5.376	5.376	0	%100
102	MP1B	Z	9.312	9.312	0	%100
103	M82	X	10.186	10.186	0	%100
104	M82	Z	17.644	17.644	0	%100
105	M83	X	10.186	10.186	0	%100
106	M83	Z	17.644	17.644	0	%100
107	M84A	X	3.448	3.448	0	%100
108	M84A	Z	5.973	5.973	0	%100
109	M85A	X	13.582	13.582	0	%100
110	M85A	Z	23.524	23.524	0	%100
111	M87A	X	10.186	10.186	0	%100
112	M87A	Z	17.644	17.644	0	%100
113	M88A	X	10.186	10.186	0	%100
114	M88A	Z	17.644	17.644	0	%100
115	M89A	X	3.448	3.448	0	%100
116	M89A	Z	5.973	5.973	0	%100
117	M90	X	13.582	13.582	0	%100
118	M90	Z	23.524	23.524	0	%100
119	M90A	X	4.776	4.776	0	%100
120	M90A	Z	8.273	8.273	0	%100
121	M91A	X	2.182	2.182	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
122	M91A	Z	3.779	3.779	0	%100
123	M92A	X	4.776	4.776	0	%100
124	M92A	Z	8.273	8.273	0	%100
125	M93A	X	2.182	2.182	0	%100
126	M93A	Z	3.779	3.779	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	0	0	0	%100
2	M3	Z	20.75	20.75	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	20.75	20.75	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	3.773	3.773	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	15.091	15.091	0	%100
9	M11	X	0	0	0	%100
10	M11	Z	12.069	12.069	0	%100
11	M12	X	0	0	0	%100
12	M12	Z	3.451	3.451	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	3.451	3.451	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	6.791	6.791	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	6.791	6.791	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	20.75	20.75	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	20.75	20.75	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	15.091	15.091	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	3.774	3.774	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	.000544	.000544	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	20.267	20.267	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	12.071	12.071	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	3.45	3.45	0	%100
35	M26	X	0	0	0	%100
36	M26	Z	3.451	3.451	0	%100
37	M29	X	0	0	0	%100
38	M29	Z	0	0	0	%100
39	M30	X	0	0	0	%100
40	M30	Z	.334	.334	0	%100
41	M31	X	0	0	0	%100
42	M31	Z	0	0	0	%100
43	M32	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[in,%]	End Location[in,%]
44	M32	Z	.334	.334	0	%100
45	M33	X	0	0	0	%100
46	M33	Z	3.775	3.775	0	%100
47	M34	X	0	0	0	%100
48	M34	Z	3.77	3.77	0	%100
49	M37	X	0	0	0	%100
50	M37	Z	1e-6	1e-6	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	13.801	13.801	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	13.803	13.803	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	3.683	3.683	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	3.683	3.683	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	14.732	14.732	0	%100
61	M139	X	0	0	0	%100
62	M139	Z	23.238	23.238	0	%100
63	M140	X	0	0	0	%100
64	M140	Z	5.815	5.815	0	%100
65	M141	X	0	0	0	%100
66	M141	Z	23.239	23.239	0	%100
67	M154	X	0	0	0	%100
68	M154	Z	10.752	10.752	0	%100
69	M155	X	0	0	0	%100
70	M155	Z	2.688	2.688	0	%100
71	M156	X	0	0	0	%100
72	M156	Z	2.688	2.688	0	%100
73	M157	X	0	0	0	%100
74	M157	Z	3.318	3.318	0	%100
75	M158	X	0	0	0	%100
76	M158	Z	13.271	13.271	0	%100
77	M159	X	0	0	0	%100
78	M159	Z	3.318	3.318	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	10.752	10.752	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	10.752	10.752	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	10.752	10.752	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	10.752	10.752	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	10.752	10.752	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	10.752	10.752	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	10.752	10.752	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	10.752	10.752	0	%100
95	MP4B	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[in,%]	End Location[in,%]
96	MP4B	Z	10.752	10.752	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	10.752	10.752	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	10.752	10.752	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	10.752	10.752	0	%100
103	M82	X	0	0	0	%100
104	M82	Z	6.791	6.791	0	%100
105	M83	X	0	0	0	%100
106	M83	Z	6.791	6.791	0	%100
107	M84A	X	0	0	0	%100
108	M84A	Z	.000544	.000544	0	%100
109	M85A	X	0	0	0	%100
110	M85A	Z	20.267	20.267	0	%100
111	M87A	X	0	0	0	%100
112	M87A	Z	6.791	6.791	0	%100
113	M88A	X	0	0	0	%100
114	M88A	Z	6.791	6.791	0	%100
115	M89A	X	0	0	0	%100
116	M89A	Z	.000544	.000544	0	%100
117	M90	X	0	0	0	%100
118	M90	Z	20.267	20.267	0	%100
119	M90A	X	0	0	0	%100
120	M90A	Z	.334	.334	0	%100
121	M91A	X	0	0	0	%100
122	M91A	Z	.334	.334	0	%100
123	M92A	X	0	0	0	%100
124	M92A	Z	.334	.334	0	%100
125	M93A	X	0	0	0	%100
126	M93A	Z	.334	.334	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	-3.458	-3.458	0	%100
2	M3	Z	5.99	5.99	0	%100
3	M5	X	-3.458	-3.458	0	%100
4	M5	Z	5.99	5.99	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-5.659	-5.659	0	%100
8	M8	Z	9.802	9.802	0	%100
9	M11	X	-2.012	-2.012	0	%100
10	M11	Z	3.484	3.484	0	%100
11	M12	X	-5.176	-5.176	0	%100
12	M12	Z	8.965	8.965	0	%100
13	M13	X	-5.176	-5.176	0	%100
14	M13	Z	8.965	8.965	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	0	0	0	%100
17	M15	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
18	M15	Z	0	0	0	%100
19	M16	X	-13.834	-13.834	0	%100
20	M16	Z	23.96	23.96	0	%100
21	M18	X	-13.834	-13.834	0	%100
22	M18	Z	23.96	23.96	0	%100
23	M20	X	-5.659	-5.659	0	%100
24	M20	Z	9.801	9.801	0	%100
25	M21	X	-5.66	-5.66	0	%100
26	M21	Z	9.803	9.803	0	%100
27	M22	X	-3.343	-3.343	0	%100
28	M22	Z	5.79	5.79	0	%100
29	M23	X	-3.343	-3.343	0	%100
30	M23	Z	5.79	5.79	0	%100
31	M24	X	-8.047	-8.047	0	%100
32	M24	Z	13.939	13.939	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	0	0	0	%100
36	M26	Z	0	0	0	%100
37	M29	X	-3.458	-3.458	0	%100
38	M29	Z	5.99	5.99	0	%100
39	M30	X	-2.182	-2.182	0	%100
40	M30	Z	3.779	3.779	0	%100
41	M31	X	-3.458	-3.458	0	%100
42	M31	Z	5.99	5.99	0	%100
43	M32	X	-4.776	-4.776	0	%100
44	M32	Z	8.273	8.273	0	%100
45	M33	X	-5.66	-5.66	0	%100
46	M33	Z	9.804	9.804	0	%100
47	M34	X	0	0	0	%100
48	M34	Z	0	0	0	%100
49	M37	X	-2.014	-2.014	0	%100
50	M37	Z	3.488	3.488	0	%100
51	M38	X	-5.175	-5.175	0	%100
52	M38	Z	8.964	8.964	0	%100
53	M39	X	-5.176	-5.176	0	%100
54	M39	Z	8.965	8.965	0	%100
55	M40	X	-5.525	-5.525	0	%100
56	M40	Z	9.569	9.569	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	-5.525	-5.525	0	%100
60	M42	Z	9.569	9.569	0	%100
61	M139	X	-5.813	-5.813	0	%100
62	M139	Z	10.068	10.068	0	%100
63	M140	X	-5.814	-5.814	0	%100
64	M140	Z	10.07	10.07	0	%100
65	M141	X	-14.523	-14.523	0	%100
66	M141	Z	25.155	25.155	0	%100
67	M154	X	-4.032	-4.032	0	%100
68	M154	Z	6.984	6.984	0	%100
69	M155	X	-4.032	-4.032	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
70	M155	Z	6.984	6.984	0	%100
71	M156	X	0	0	0	%100
72	M156	Z	0	0	0	%100
73	M157	X	-4.977	-4.977	0	%100
74	M157	Z	8.62	8.62	0	%100
75	M158	X	-4.977	-4.977	0	%100
76	M158	Z	8.62	8.62	0	%100
77	M159	X	0	0	0	%100
78	M159	Z	0	0	0	%100
79	MP4A	X	-5.376	-5.376	0	%100
80	MP4A	Z	9.312	9.312	0	%100
81	MP3A	X	-5.376	-5.376	0	%100
82	MP3A	Z	9.312	9.312	0	%100
83	MP2A	X	-5.376	-5.376	0	%100
84	MP2A	Z	9.312	9.312	0	%100
85	MP1A	X	-5.376	-5.376	0	%100
86	MP1A	Z	9.312	9.312	0	%100
87	MP4C	X	-5.376	-5.376	0	%100
88	MP4C	Z	9.312	9.312	0	%100
89	MP3C	X	-5.376	-5.376	0	%100
90	MP3C	Z	9.312	9.312	0	%100
91	MP2C	X	-5.376	-5.376	0	%100
92	MP2C	Z	9.312	9.312	0	%100
93	MP1C	X	-5.376	-5.376	0	%100
94	MP1C	Z	9.312	9.312	0	%100
95	MP4B	X	-5.376	-5.376	0	%100
96	MP4B	Z	9.312	9.312	0	%100
97	MP3B	X	-5.376	-5.376	0	%100
98	MP3B	Z	9.312	9.312	0	%100
99	MP2B	X	-5.376	-5.376	0	%100
100	MP2B	Z	9.312	9.312	0	%100
101	MP1B	X	-5.376	-5.376	0	%100
102	MP1B	Z	9.312	9.312	0	%100
103	M82	X	0	0	0	%100
104	M82	Z	0	0	0	%100
105	M83	X	0	0	0	%100
106	M83	Z	0	0	0	%100
107	M84A	X	-3.343	-3.343	0	%100
108	M84A	Z	5.79	5.79	0	%100
109	M85A	X	-3.343	-3.343	0	%100
110	M85A	Z	5.79	5.79	0	%100
111	M87A	X	0	0	0	%100
112	M87A	Z	0	0	0	%100
113	M88A	X	0	0	0	%100
114	M88A	Z	0	0	0	%100
115	M89A	X	-3.343	-3.343	0	%100
116	M89A	Z	5.79	5.79	0	%100
117	M90	X	-3.343	-3.343	0	%100
118	M90	Z	5.79	5.79	0	%100
119	M90A	X	-2.182	-2.182	0	%100
120	M90A	Z	3.779	3.779	0	%100
121	M91A	X	-4.776	-4.776	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
122	M91A	Z	8.273	8.273	0	%100
123	M92A	X	-2.182	-2.182	0	%100
124	M92A	Z	3.779	3.779	0	%100
125	M93A	X	-4.776	-4.776	0	%100
126	M93A	Z	8.273	8.273	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	0	0	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M7	X	-3.267	-3.267	0	%100
6	M7	Z	1.886	1.886	0	%100
7	M8	X	-3.267	-3.267	0	%100
8	M8	Z	1.886	1.886	0	%100
9	M11	X	0	0	0	%100
10	M11	Z	0	0	0	%100
11	M12	X	-11.953	-11.953	0	%100
12	M12	Z	6.901	6.901	0	%100
13	M13	X	-11.953	-11.953	0	%100
14	M13	Z	6.901	6.901	0	%100
15	M14	X	-5.881	-5.881	0	%100
16	M14	Z	3.395	3.395	0	%100
17	M15	X	-5.881	-5.881	0	%100
18	M15	Z	3.395	3.395	0	%100
19	M16	X	-17.97	-17.97	0	%100
20	M16	Z	10.375	10.375	0	%100
21	M18	X	-17.97	-17.97	0	%100
22	M18	Z	10.375	10.375	0	%100
23	M20	X	-3.267	-3.267	0	%100
24	M20	Z	1.886	1.886	0	%100
25	M21	X	-13.069	-13.069	0	%100
26	M21	Z	7.546	7.546	0	%100
27	M22	X	-17.552	-17.552	0	%100
28	M22	Z	10.134	10.134	0	%100
29	M23	X	-.000471	-.000471	0	%100
30	M23	Z	.000272	.000272	0	%100
31	M24	X	-10.454	-10.454	0	%100
32	M24	Z	6.036	6.036	0	%100
33	M25	X	-2.988	-2.988	0	%100
34	M25	Z	1.725	1.725	0	%100
35	M26	X	-2.988	-2.988	0	%100
36	M26	Z	1.725	1.725	0	%100
37	M29	X	-17.97	-17.97	0	%100
38	M29	Z	10.375	10.375	0	%100
39	M30	X	-15.252	-15.252	0	%100
40	M30	Z	8.806	8.806	0	%100
41	M31	X	-17.97	-17.97	0	%100
42	M31	Z	10.375	10.375	0	%100
43	M32	X	-19.745	-19.745	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
44	M32	Z	11.4	11.4	0	%100
45	M33	X	-13.069	-13.069	0	%100
46	M33	Z	7.546	7.546	0	%100
47	M34	X	-3.269	-3.269	0	%100
48	M34	Z	1.888	1.888	0	%100
49	M37	X	-10.457	-10.457	0	%100
50	M37	Z	6.037	6.037	0	%100
51	M38	X	-2.988	-2.988	0	%100
52	M38	Z	1.725	1.725	0	%100
53	M39	X	-2.988	-2.988	0	%100
54	M39	Z	1.725	1.725	0	%100
55	M40	X	-12.759	-12.759	0	%100
56	M40	Z	7.366	7.366	0	%100
57	M41	X	-3.19	-3.19	0	%100
58	M41	Z	1.842	1.842	0	%100
59	M42	X	-3.19	-3.19	0	%100
60	M42	Z	1.842	1.842	0	%100
61	M139	X	-5.04	-5.04	0	%100
62	M139	Z	2.91	2.91	0	%100
63	M140	X	-20.13	-20.13	0	%100
64	M140	Z	11.622	11.622	0	%100
65	M141	X	-20.126	-20.126	0	%100
66	M141	Z	11.62	11.62	0	%100
67	M154	X	-2.328	-2.328	0	%100
68	M154	Z	1.344	1.344	0	%100
69	M155	X	-9.312	-9.312	0	%100
70	M155	Z	5.376	5.376	0	%100
71	M156	X	-2.328	-2.328	0	%100
72	M156	Z	1.344	1.344	0	%100
73	M157	X	-11.493	-11.493	0	%100
74	M157	Z	6.636	6.636	0	%100
75	M158	X	-2.873	-2.873	0	%100
76	M158	Z	1.659	1.659	0	%100
77	M159	X	-2.873	-2.873	0	%100
78	M159	Z	1.659	1.659	0	%100
79	MP4A	X	-9.312	-9.312	0	%100
80	MP4A	Z	5.376	5.376	0	%100
81	MP3A	X	-9.312	-9.312	0	%100
82	MP3A	Z	5.376	5.376	0	%100
83	MP2A	X	-9.312	-9.312	0	%100
84	MP2A	Z	5.376	5.376	0	%100
85	MP1A	X	-9.312	-9.312	0	%100
86	MP1A	Z	5.376	5.376	0	%100
87	MP4C	X	-9.312	-9.312	0	%100
88	MP4C	Z	5.376	5.376	0	%100
89	MP3C	X	-9.312	-9.312	0	%100
90	MP3C	Z	5.376	5.376	0	%100
91	MP2C	X	-9.312	-9.312	0	%100
92	MP2C	Z	5.376	5.376	0	%100
93	MP1C	X	-9.312	-9.312	0	%100
94	MP1C	Z	5.376	5.376	0	%100
95	MP4B	X	-9.312	-9.312	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
96	MP4B	Z	5.376	5.376	0	%100
97	MP3B	X	-9.312	-9.312	0	%100
98	MP3B	Z	5.376	5.376	0	%100
99	MP2B	X	-9.312	-9.312	0	%100
100	MP2B	Z	5.376	5.376	0	%100
101	MP1B	X	-9.312	-9.312	0	%100
102	MP1B	Z	5.376	5.376	0	%100
103	M82	X	-5.881	-5.881	0	%100
104	M82	Z	3.395	3.395	0	%100
105	M83	X	-5.881	-5.881	0	%100
106	M83	Z	3.395	3.395	0	%100
107	M84A	X	-17.552	-17.552	0	%100
108	M84A	Z	10.134	10.134	0	%100
109	M85A	X	-.000471	-.000471	0	%100
110	M85A	Z	.000272	.000272	0	%100
111	M87A	X	-5.881	-5.881	0	%100
112	M87A	Z	3.395	3.395	0	%100
113	M88A	X	-5.881	-5.881	0	%100
114	M88A	Z	3.395	3.395	0	%100
115	M89A	X	-17.552	-17.552	0	%100
116	M89A	Z	10.134	10.134	0	%100
117	M90	X	-.000471	-.000471	0	%100
118	M90	Z	.000272	.000272	0	%100
119	M90A	X	-15.252	-15.252	0	%100
120	M90A	Z	8.806	8.806	0	%100
121	M91A	X	-19.745	-19.745	0	%100
122	M91A	Z	11.4	11.4	0	%100
123	M92A	X	-15.252	-15.252	0	%100
124	M92A	Z	8.806	8.806	0	%100
125	M93A	X	-19.745	-19.745	0	%100
126	M93A	Z	11.4	11.4	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	-6.917	-6.917	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	-6.917	-6.917	0	%100
4	M5	Z	0	0	0	%100
5	M7	X	-11.318	-11.318	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M11	X	-4.023	-4.023	0	%100
10	M11	Z	0	0	0	%100
11	M12	X	-10.352	-10.352	0	%100
12	M12	Z	0	0	0	%100
13	M13	X	-10.352	-10.352	0	%100
14	M13	Z	0	0	0	%100
15	M14	X	-20.373	-20.373	0	%100
16	M14	Z	0	0	0	%100
17	M15	X	-20.373	-20.373	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
18	M15	Z	0	0	0	%100
19	M16	X	-6.917	-6.917	0	%100
20	M16	Z	0	0	0	%100
21	M18	X	-6.917	-6.917	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	-11.317	-11.317	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-27.163	-27.163	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	-6.897	-6.897	0	%100
30	M23	Z	0	0	0	%100
31	M24	X	-4.024	-4.024	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	-10.351	-10.351	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	-10.352	-10.352	0	%100
36	M26	Z	0	0	0	%100
37	M29	X	-27.667	-27.667	0	%100
38	M29	Z	0	0	0	%100
39	M30	X	-26.83	-26.83	0	%100
40	M30	Z	0	0	0	%100
41	M31	X	-27.667	-27.667	0	%100
42	M31	Z	0	0	0	%100
43	M32	X	-26.83	-26.83	0	%100
44	M32	Z	0	0	0	%100
45	M33	X	-11.316	-11.316	0	%100
46	M33	Z	0	0	0	%100
47	M34	X	-11.321	-11.321	0	%100
48	M34	Z	0	0	0	%100
49	M37	X	-16.095	-16.095	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	0	0	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	-11.049	-11.049	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	-11.049	-11.049	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	0	0	0	%100
61	M139	X	-11.626	-11.626	0	%100
62	M139	Z	0	0	0	%100
63	M140	X	-29.047	-29.047	0	%100
64	M140	Z	0	0	0	%100
65	M141	X	-11.623	-11.623	0	%100
66	M141	Z	0	0	0	%100
67	M154	X	0	0	0	%100
68	M154	Z	0	0	0	%100
69	M155	X	-8.064	-8.064	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
70	M155	Z	0	0	0	%100
71	M156	X	-8.064	-8.064	0	%100
72	M156	Z	0	0	0	%100
73	M157	X	-9.954	-9.954	0	%100
74	M157	Z	0	0	0	%100
75	M158	X	0	0	0	%100
76	M158	Z	0	0	0	%100
77	M159	X	-9.954	-9.954	0	%100
78	M159	Z	0	0	0	%100
79	MP4A	X	-10.752	-10.752	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	-10.752	-10.752	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	-10.752	-10.752	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	-10.752	-10.752	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	-10.752	-10.752	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	-10.752	-10.752	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	-10.752	-10.752	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-10.752	-10.752	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	-10.752	-10.752	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	-10.752	-10.752	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	-10.752	-10.752	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-10.752	-10.752	0	%100
102	MP1B	Z	0	0	0	%100
103	M82	X	-20.373	-20.373	0	%100
104	M82	Z	0	0	0	%100
105	M83	X	-20.373	-20.373	0	%100
106	M83	Z	0	0	0	%100
107	M84A	X	-27.163	-27.163	0	%100
108	M84A	Z	0	0	0	%100
109	M85A	X	-6.897	-6.897	0	%100
110	M85A	Z	0	0	0	%100
111	M87A	X	-20.373	-20.373	0	%100
112	M87A	Z	0	0	0	%100
113	M88A	X	-20.373	-20.373	0	%100
114	M88A	Z	0	0	0	%100
115	M89A	X	-27.163	-27.163	0	%100
116	M89A	Z	0	0	0	%100
117	M90	X	-6.897	-6.897	0	%100
118	M90	Z	0	0	0	%100
119	M90A	X	-26.83	-26.83	0	%100
120	M90A	Z	0	0	0	%100
121	M91A	X	-26.83	-26.83	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
122	M91A	Z	0	0	0	%100
123	M92A	X	-26.83	-26.83	0	%100
124	M92A	Z	0	0	0	%100
125	M93A	X	-26.83	-26.83	0	%100
126	M93A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	-17.97	-17.97	0	%100
2	M3	Z	-10.375	-10.375	0	%100
3	M5	X	-17.97	-17.97	0	%100
4	M5	Z	-10.375	-10.375	0	%100
5	M7	X	-13.069	-13.069	0	%100
6	M7	Z	-7.546	-7.546	0	%100
7	M8	X	-3.267	-3.267	0	%100
8	M8	Z	-1.886	-1.886	0	%100
9	M11	X	-10.452	-10.452	0	%100
10	M11	Z	-6.035	-6.035	0	%100
11	M12	X	-2.988	-2.988	0	%100
12	M12	Z	-1.725	-1.725	0	%100
13	M13	X	-2.988	-2.988	0	%100
14	M13	Z	-1.725	-1.725	0	%100
15	M14	X	-23.525	-23.525	0	%100
16	M14	Z	-13.582	-13.582	0	%100
17	M15	X	-23.525	-23.525	0	%100
18	M15	Z	-13.582	-13.582	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	-3.268	-3.268	0	%100
24	M20	Z	-1.887	-1.887	0	%100
25	M21	X	-3.267	-3.267	0	%100
26	M21	Z	-1.886	-1.886	0	%100
27	M22	X	-17.734	-17.734	0	%100
28	M22	Z	-10.239	-10.239	0	%100
29	M23	X	-17.734	-17.734	0	%100
30	M23	Z	-10.239	-10.239	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	-11.953	-11.953	0	%100
34	M25	Z	-6.901	-6.901	0	%100
35	M26	X	-11.953	-11.953	0	%100
36	M26	Z	-6.901	-6.901	0	%100
37	M29	X	-17.97	-17.97	0	%100
38	M29	Z	-10.375	-10.375	0	%100
39	M30	X	-19.745	-19.745	0	%100
40	M30	Z	-11.4	-11.4	0	%100
41	M31	X	-17.97	-17.97	0	%100
42	M31	Z	-10.375	-10.375	0	%100
43	M32	X	-15.252	-15.252	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
44	M32	Z	-8.806	-8.806	0	%100
45	M33	X	-3.265	-3.265	0	%100
46	M33	Z	-1.885	-1.885	0	%100
47	M34	X	-13.069	-13.069	0	%100
48	M34	Z	-7.546	-7.546	0	%100
49	M37	X	-10.451	-10.451	0	%100
50	M37	Z	-6.034	-6.034	0	%100
51	M38	X	-2.988	-2.988	0	%100
52	M38	Z	-1.725	-1.725	0	%100
53	M39	X	-2.988	-2.988	0	%100
54	M39	Z	-1.725	-1.725	0	%100
55	M40	X	-3.19	-3.19	0	%100
56	M40	Z	-1.842	-1.842	0	%100
57	M41	X	-12.759	-12.759	0	%100
58	M41	Z	-7.366	-7.366	0	%100
59	M42	X	-3.19	-3.19	0	%100
60	M42	Z	-1.842	-1.842	0	%100
61	M139	X	-20.124	-20.124	0	%100
62	M139	Z	-11.619	-11.619	0	%100
63	M140	X	-20.121	-20.121	0	%100
64	M140	Z	-11.617	-11.617	0	%100
65	M141	X	-5.036	-5.036	0	%100
66	M141	Z	-2.908	-2.908	0	%100
67	M154	X	-2.328	-2.328	0	%100
68	M154	Z	-1.344	-1.344	0	%100
69	M155	X	-2.328	-2.328	0	%100
70	M155	Z	-1.344	-1.344	0	%100
71	M156	X	-9.312	-9.312	0	%100
72	M156	Z	-5.376	-5.376	0	%100
73	M157	X	-2.873	-2.873	0	%100
74	M157	Z	-1.659	-1.659	0	%100
75	M158	X	-2.873	-2.873	0	%100
76	M158	Z	-1.659	-1.659	0	%100
77	M159	X	-11.493	-11.493	0	%100
78	M159	Z	-6.636	-6.636	0	%100
79	MP4A	X	-9.312	-9.312	0	%100
80	MP4A	Z	-5.376	-5.376	0	%100
81	MP3A	X	-9.312	-9.312	0	%100
82	MP3A	Z	-5.376	-5.376	0	%100
83	MP2A	X	-9.312	-9.312	0	%100
84	MP2A	Z	-5.376	-5.376	0	%100
85	MP1A	X	-9.312	-9.312	0	%100
86	MP1A	Z	-5.376	-5.376	0	%100
87	MP4C	X	-9.312	-9.312	0	%100
88	MP4C	Z	-5.376	-5.376	0	%100
89	MP3C	X	-9.312	-9.312	0	%100
90	MP3C	Z	-5.376	-5.376	0	%100
91	MP2C	X	-9.312	-9.312	0	%100
92	MP2C	Z	-5.376	-5.376	0	%100
93	MP1C	X	-9.312	-9.312	0	%100
94	MP1C	Z	-5.376	-5.376	0	%100
95	MP4B	X	-9.312	-9.312	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
96	MP4B	Z	-5.376	-5.376	0	%100
97	MP3B	X	-9.312	-9.312	0	%100
98	MP3B	Z	-5.376	-5.376	0	%100
99	MP2B	X	-9.312	-9.312	0	%100
100	MP2B	Z	-5.376	-5.376	0	%100
101	MP1B	X	-9.312	-9.312	0	%100
102	MP1B	Z	-5.376	-5.376	0	%100
103	M82	X	-23.525	-23.525	0	%100
104	M82	Z	-13.582	-13.582	0	%100
105	M83	X	-23.525	-23.525	0	%100
106	M83	Z	-13.582	-13.582	0	%100
107	M84A	X	-17.734	-17.734	0	%100
108	M84A	Z	-10.239	-10.239	0	%100
109	M85A	X	-17.734	-17.734	0	%100
110	M85A	Z	-10.239	-10.239	0	%100
111	M87A	X	-23.525	-23.525	0	%100
112	M87A	Z	-13.582	-13.582	0	%100
113	M88A	X	-23.525	-23.525	0	%100
114	M88A	Z	-13.582	-13.582	0	%100
115	M89A	X	-17.734	-17.734	0	%100
116	M89A	Z	-10.239	-10.239	0	%100
117	M90	X	-17.734	-17.734	0	%100
118	M90	Z	-10.239	-10.239	0	%100
119	M90A	X	-19.745	-19.745	0	%100
120	M90A	Z	-11.4	-11.4	0	%100
121	M91A	X	-15.252	-15.252	0	%100
122	M91A	Z	-8.806	-8.806	0	%100
123	M92A	X	-19.745	-19.745	0	%100
124	M92A	Z	-11.4	-11.4	0	%100
125	M93A	X	-15.252	-15.252	0	%100
126	M93A	Z	-8.806	-8.806	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	-13.834	-13.834	0	%100
2	M3	Z	-23.96	-23.96	0	%100
3	M5	X	-13.834	-13.834	0	%100
4	M5	Z	-23.96	-23.96	0	%100
5	M7	X	-5.659	-5.659	0	%100
6	M7	Z	-9.802	-9.802	0	%100
7	M8	X	-5.659	-5.659	0	%100
8	M8	Z	-9.802	-9.802	0	%100
9	M11	X	-8.046	-8.046	0	%100
10	M11	Z	-13.936	-13.936	0	%100
11	M12	X	0	0	0	%100
12	M12	Z	0	0	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	0	0	0	%100
15	M14	X	-10.186	-10.186	0	%100
16	M14	Z	-17.644	-17.644	0	%100
17	M15	X	-10.186	-10.186	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
18	M15	Z	-17.644	-17.644	0	%100
19	M16	X	-3.458	-3.458	0	%100
20	M16	Z	-5.99	-5.99	0	%100
21	M18	X	-3.458	-3.458	0	%100
22	M18	Z	-5.99	-5.99	0	%100
23	M20	X	-5.66	-5.66	0	%100
24	M20	Z	-9.803	-9.803	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-3.448	-3.448	0	%100
28	M22	Z	-5.973	-5.973	0	%100
29	M23	X	-13.582	-13.582	0	%100
30	M23	Z	-23.524	-23.524	0	%100
31	M24	X	-2.012	-2.012	0	%100
32	M24	Z	-3.485	-3.485	0	%100
33	M25	X	-5.176	-5.176	0	%100
34	M25	Z	-8.965	-8.965	0	%100
35	M26	X	-5.176	-5.176	0	%100
36	M26	Z	-8.965	-8.965	0	%100
37	M29	X	-3.458	-3.458	0	%100
38	M29	Z	-5.99	-5.99	0	%100
39	M30	X	-4.776	-4.776	0	%100
40	M30	Z	-8.273	-8.273	0	%100
41	M31	X	-3.458	-3.458	0	%100
42	M31	Z	-5.99	-5.99	0	%100
43	M32	X	-2.182	-2.182	0	%100
44	M32	Z	-3.779	-3.779	0	%100
45	M33	X	0	0	0	%100
46	M33	Z	0	0	0	%100
47	M34	X	-5.658	-5.658	0	%100
48	M34	Z	-9.8	-9.8	0	%100
49	M37	X	-2.01	-2.01	0	%100
50	M37	Z	-3.482	-3.482	0	%100
51	M38	X	-5.175	-5.175	0	%100
52	M38	Z	-8.964	-8.964	0	%100
53	M39	X	-5.176	-5.176	0	%100
54	M39	Z	-8.965	-8.965	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	-5.525	-5.525	0	%100
58	M41	Z	-9.569	-9.569	0	%100
59	M42	X	-5.525	-5.525	0	%100
60	M42	Z	-9.569	-9.569	0	%100
61	M139	X	-14.522	-14.522	0	%100
62	M139	Z	-25.152	-25.152	0	%100
63	M140	X	-5.809	-5.809	0	%100
64	M140	Z	-10.062	-10.062	0	%100
65	M141	X	-5.812	-5.812	0	%100
66	M141	Z	-10.066	-10.066	0	%100
67	M154	X	-4.032	-4.032	0	%100
68	M154	Z	-6.984	-6.984	0	%100
69	M155	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
70	M155	Z	0	0	0	%100
71	M156	X	-4.032	-4.032	0	%100
72	M156	Z	-6.984	-6.984	0	%100
73	M157	X	0	0	0	%100
74	M157	Z	0	0	0	%100
75	M158	X	-4.977	-4.977	0	%100
76	M158	Z	-8.62	-8.62	0	%100
77	M159	X	-4.977	-4.977	0	%100
78	M159	Z	-8.62	-8.62	0	%100
79	MP4A	X	-5.376	-5.376	0	%100
80	MP4A	Z	-9.312	-9.312	0	%100
81	MP3A	X	-5.376	-5.376	0	%100
82	MP3A	Z	-9.312	-9.312	0	%100
83	MP2A	X	-5.376	-5.376	0	%100
84	MP2A	Z	-9.312	-9.312	0	%100
85	MP1A	X	-5.376	-5.376	0	%100
86	MP1A	Z	-9.312	-9.312	0	%100
87	MP4C	X	-5.376	-5.376	0	%100
88	MP4C	Z	-9.312	-9.312	0	%100
89	MP3C	X	-5.376	-5.376	0	%100
90	MP3C	Z	-9.312	-9.312	0	%100
91	MP2C	X	-5.376	-5.376	0	%100
92	MP2C	Z	-9.312	-9.312	0	%100
93	MP1C	X	-5.376	-5.376	0	%100
94	MP1C	Z	-9.312	-9.312	0	%100
95	MP4B	X	-5.376	-5.376	0	%100
96	MP4B	Z	-9.312	-9.312	0	%100
97	MP3B	X	-5.376	-5.376	0	%100
98	MP3B	Z	-9.312	-9.312	0	%100
99	MP2B	X	-5.376	-5.376	0	%100
100	MP2B	Z	-9.312	-9.312	0	%100
101	MP1B	X	-5.376	-5.376	0	%100
102	MP1B	Z	-9.312	-9.312	0	%100
103	M82	X	-10.186	-10.186	0	%100
104	M82	Z	-17.644	-17.644	0	%100
105	M83	X	-10.186	-10.186	0	%100
106	M83	Z	-17.644	-17.644	0	%100
107	M84A	X	-3.448	-3.448	0	%100
108	M84A	Z	-5.973	-5.973	0	%100
109	M85A	X	-13.582	-13.582	0	%100
110	M85A	Z	-23.524	-23.524	0	%100
111	M87A	X	-10.186	-10.186	0	%100
112	M87A	Z	-17.644	-17.644	0	%100
113	M88A	X	-10.186	-10.186	0	%100
114	M88A	Z	-17.644	-17.644	0	%100
115	M89A	X	-3.448	-3.448	0	%100
116	M89A	Z	-5.973	-5.973	0	%100
117	M90	X	-13.582	-13.582	0	%100
118	M90	Z	-23.524	-23.524	0	%100
119	M90A	X	-4.776	-4.776	0	%100
120	M90A	Z	-8.273	-8.273	0	%100
121	M91A	X	-2.182	-2.182	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
122	M91A	Z	-3.779	-3.779	0	%100
123	M92A	X	-4.776	-4.776	0	%100
124	M92A	Z	-8.273	-8.273	0	%100
125	M93A	X	-2.182	-2.182	0	%100
126	M93A	Z	-3.779	-3.779	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	0	0	0	%100
2	M3	Z	-4.194	-4.194	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	-4.194	-4.194	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-1.039	-1.039	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-4.158	-4.158	0	%100
9	M11	X	0	0	0	%100
10	M11	Z	-3.306	-3.306	0	%100
11	M12	X	0	0	0	%100
12	M12	Z	-.912	-.912	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	-.912	-.912	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	-1.378	-1.378	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	-1.378	-1.378	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	-4.194	-4.194	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	-4.194	-4.194	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	-4.158	-4.158	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	-1.04	-1.04	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	-.00011	-.00011	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	-4.11	-4.11	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	-3.306	-3.306	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	-.912	-.912	0	%100
35	M26	X	0	0	0	%100
36	M26	Z	-.912	-.912	0	%100
37	M29	X	0	0	0	%100
38	M29	Z	0	0	0	%100
39	M30	X	0	0	0	%100
40	M30	Z	-.068	-.068	0	%100
41	M31	X	0	0	0	%100
42	M31	Z	0	0	0	%100
43	M32	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[in,%]	End Location[in,%]
44	M32	Z	-.068	-.068	0	%100
45	M33	X	0	0	0	%100
46	M33	Z	-1.04	-1.04	0	%100
47	M34	X	0	0	0	%100
48	M34	Z	-1.039	-1.039	0	%100
49	M37	X	0	0	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	-3.649	-3.649	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	-3.65	-3.65	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	-1.092	-1.092	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	-1.092	-1.092	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	-4.367	-4.367	0	%100
61	M139	X	0	0	0	%100
62	M139	Z	-5.249	-5.249	0	%100
63	M140	X	0	0	0	%100
64	M140	Z	-1.454	-1.454	0	%100
65	M141	X	0	0	0	%100
66	M141	Z	-5.249	-5.249	0	%100
67	M154	X	0	0	0	%100
68	M154	Z	-3.526	-3.526	0	%100
69	M155	X	0	0	0	%100
70	M155	Z	-.881	-.881	0	%100
71	M156	X	0	0	0	%100
72	M156	Z	-.881	-.881	0	%100
73	M157	X	0	0	0	%100
74	M157	Z	-.846	-.846	0	%100
75	M158	X	0	0	0	%100
76	M158	Z	-3.382	-3.382	0	%100
77	M159	X	0	0	0	%100
78	M159	Z	-.846	-.846	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-3.526	-3.526	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	-3.526	-3.526	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	-3.526	-3.526	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-3.526	-3.526	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-3.526	-3.526	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-3.526	-3.526	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-3.526	-3.526	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-3.526	-3.526	0	%100
95	MP4B	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[in,%]	End Location[in,%]
96	MP4B	Z	-3.526	-3.526	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	-3.526	-3.526	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-3.526	-3.526	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-3.526	-3.526	0	%100
103	M82	X	0	0	0	%100
104	M82	Z	-1.378	-1.378	0	%100
105	M83	X	0	0	0	%100
106	M83	Z	-1.378	-1.378	0	%100
107	M84A	X	0	0	0	%100
108	M84A	Z	-.00011	-.00011	0	%100
109	M85A	X	0	0	0	%100
110	M85A	Z	-4.11	-4.11	0	%100
111	M87A	X	0	0	0	%100
112	M87A	Z	-1.378	-1.378	0	%100
113	M88A	X	0	0	0	%100
114	M88A	Z	-1.378	-1.378	0	%100
115	M89A	X	0	0	0	%100
116	M89A	Z	-.00011	-.00011	0	%100
117	M90	X	0	0	0	%100
118	M90	Z	-4.11	-4.11	0	%100
119	M90A	X	0	0	0	%100
120	M90A	Z	-.068	-.068	0	%100
121	M91A	X	0	0	0	%100
122	M91A	Z	-.068	-.068	0	%100
123	M92A	X	0	0	0	%100
124	M92A	Z	-.068	-.068	0	%100
125	M93A	X	0	0	0	%100
126	M93A	Z	-.068	-.068	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	.699	.699	0	%100
2	M3	Z	-1.211	-1.211	0	%100
3	M5	X	.699	.699	0	%100
4	M5	Z	-1.211	-1.211	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	1.559	1.559	0	%100
8	M8	Z	-2.7	-2.7	0	%100
9	M11	X	.551	.551	0	%100
10	M11	Z	-.954	-.954	0	%100
11	M12	X	1.369	1.369	0	%100
12	M12	Z	-2.37	-2.37	0	%100
13	M13	X	1.369	1.369	0	%100
14	M13	Z	-2.37	-2.37	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	0	0	0	%100
17	M15	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
18	M15	Z	0	0	0	%100
19	M16	X	2.796	2.796	0	%100
20	M16	Z	-4.843	-4.843	0	%100
21	M18	X	2.796	2.796	0	%100
22	M18	Z	-4.843	-4.843	0	%100
23	M20	X	1.559	1.559	0	%100
24	M20	Z	-2.7	-2.7	0	%100
25	M21	X	1.559	1.559	0	%100
26	M21	Z	-2.701	-2.701	0	%100
27	M22	X	.678	.678	0	%100
28	M22	Z	-1.174	-1.174	0	%100
29	M23	X	.678	.678	0	%100
30	M23	Z	-1.174	-1.174	0	%100
31	M24	X	2.204	2.204	0	%100
32	M24	Z	-3.818	-3.818	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	0	0	0	%100
36	M26	Z	0	0	0	%100
37	M29	X	.699	.699	0	%100
38	M29	Z	-1.211	-1.211	0	%100
39	M30	X	.443	.443	0	%100
40	M30	Z	-.766	-.766	0	%100
41	M31	X	.699	.699	0	%100
42	M31	Z	-1.211	-1.211	0	%100
43	M32	X	.969	.969	0	%100
44	M32	Z	-1.678	-1.678	0	%100
45	M33	X	1.559	1.559	0	%100
46	M33	Z	-2.701	-2.701	0	%100
47	M34	X	0	0	0	%100
48	M34	Z	0	0	0	%100
49	M37	X	.552	.552	0	%100
50	M37	Z	-.955	-.955	0	%100
51	M38	X	1.368	1.368	0	%100
52	M38	Z	-2.37	-2.37	0	%100
53	M39	X	1.369	1.369	0	%100
54	M39	Z	-2.371	-2.371	0	%100
55	M40	X	1.638	1.638	0	%100
56	M40	Z	-2.837	-2.837	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	1.638	1.638	0	%100
60	M42	Z	-2.837	-2.837	0	%100
61	M139	X	1.36	1.36	0	%100
62	M139	Z	-2.355	-2.355	0	%100
63	M140	X	1.36	1.36	0	%100
64	M140	Z	-2.355	-2.355	0	%100
65	M141	X	3.257	3.257	0	%100
66	M141	Z	-5.642	-5.642	0	%100
67	M154	X	1.322	1.322	0	%100
68	M154	Z	-2.29	-2.29	0	%100
69	M155	X	1.322	1.322	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
70	M155	Z	-2.29	-2.29	0	%100
71	M156	X	0	0	0	%100
72	M156	Z	0	0	0	%100
73	M157	X	1.268	1.268	0	%100
74	M157	Z	-2.197	-2.197	0	%100
75	M158	X	1.268	1.268	0	%100
76	M158	Z	-2.197	-2.197	0	%100
77	M159	X	0	0	0	%100
78	M159	Z	0	0	0	%100
79	MP4A	X	1.763	1.763	0	%100
80	MP4A	Z	-3.053	-3.053	0	%100
81	MP3A	X	1.763	1.763	0	%100
82	MP3A	Z	-3.053	-3.053	0	%100
83	MP2A	X	1.763	1.763	0	%100
84	MP2A	Z	-3.053	-3.053	0	%100
85	MP1A	X	1.763	1.763	0	%100
86	MP1A	Z	-3.053	-3.053	0	%100
87	MP4C	X	1.763	1.763	0	%100
88	MP4C	Z	-3.053	-3.053	0	%100
89	MP3C	X	1.763	1.763	0	%100
90	MP3C	Z	-3.053	-3.053	0	%100
91	MP2C	X	1.763	1.763	0	%100
92	MP2C	Z	-3.053	-3.053	0	%100
93	MP1C	X	1.763	1.763	0	%100
94	MP1C	Z	-3.053	-3.053	0	%100
95	MP4B	X	1.763	1.763	0	%100
96	MP4B	Z	-3.053	-3.053	0	%100
97	MP3B	X	1.763	1.763	0	%100
98	MP3B	Z	-3.053	-3.053	0	%100
99	MP2B	X	1.763	1.763	0	%100
100	MP2B	Z	-3.053	-3.053	0	%100
101	MP1B	X	1.763	1.763	0	%100
102	MP1B	Z	-3.053	-3.053	0	%100
103	M82	X	0	0	0	%100
104	M82	Z	0	0	0	%100
105	M83	X	0	0	0	%100
106	M83	Z	0	0	0	%100
107	M84A	X	.678	.678	0	%100
108	M84A	Z	-1.174	-1.174	0	%100
109	M85A	X	.678	.678	0	%100
110	M85A	Z	-1.174	-1.174	0	%100
111	M87A	X	0	0	0	%100
112	M87A	Z	0	0	0	%100
113	M88A	X	0	0	0	%100
114	M88A	Z	0	0	0	%100
115	M89A	X	.678	.678	0	%100
116	M89A	Z	-1.174	-1.174	0	%100
117	M90	X	.678	.678	0	%100
118	M90	Z	-1.174	-1.174	0	%100
119	M90A	X	.443	.443	0	%100
120	M90A	Z	-.766	-.766	0	%100
121	M91A	X	.969	.969	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
122	M91A	Z	-1.678	-1.678	0	%100
123	M92A	X	.443	.443	0	%100
124	M92A	Z	-.766	-.766	0	%100
125	M93A	X	.969	.969	0	%100
126	M93A	Z	-1.678	-1.678	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	0	0	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M7	X	.9	.9	0	%100
6	M7	Z	-.52	-.52	0	%100
7	M8	X	.9	.9	0	%100
8	M8	Z	-.52	-.52	0	%100
9	M11	X	0	0	0	%100
10	M11	Z	0	0	0	%100
11	M12	X	3.16	3.16	0	%100
12	M12	Z	-1.825	-1.825	0	%100
13	M13	X	3.16	3.16	0	%100
14	M13	Z	-1.825	-1.825	0	%100
15	M14	X	1.193	1.193	0	%100
16	M14	Z	-.689	-.689	0	%100
17	M15	X	1.193	1.193	0	%100
18	M15	Z	-.689	-.689	0	%100
19	M16	X	3.632	3.632	0	%100
20	M16	Z	-2.097	-2.097	0	%100
21	M18	X	3.632	3.632	0	%100
22	M18	Z	-2.097	-2.097	0	%100
23	M20	X	.9	.9	0	%100
24	M20	Z	-.52	-.52	0	%100
25	M21	X	3.601	3.601	0	%100
26	M21	Z	-2.079	-2.079	0	%100
27	M22	X	3.56	3.56	0	%100
28	M22	Z	-2.055	-2.055	0	%100
29	M23	X	9.6e-5	9.6e-5	0	%100
30	M23	Z	-5.5e-5	-5.5e-5	0	%100
31	M24	X	2.863	2.863	0	%100
32	M24	Z	-1.653	-1.653	0	%100
33	M25	X	.79	.79	0	%100
34	M25	Z	-.456	-.456	0	%100
35	M26	X	.79	.79	0	%100
36	M26	Z	-.456	-.456	0	%100
37	M29	X	3.632	3.632	0	%100
38	M29	Z	-2.097	-2.097	0	%100
39	M30	X	3.093	3.093	0	%100
40	M30	Z	-1.786	-1.786	0	%100
41	M31	X	3.632	3.632	0	%100
42	M31	Z	-2.097	-2.097	0	%100
43	M32	X	4.004	4.004	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
44	M32	Z	-2.312	-2.312	0	%100
45	M33	X	3.601	3.601	0	%100
46	M33	Z	-2.079	-2.079	0	%100
47	M34	X	.901	.901	0	%100
48	M34	Z	-.52	-.52	0	%100
49	M37	X	2.864	2.864	0	%100
50	M37	Z	-1.654	-1.654	0	%100
51	M38	X	.79	.79	0	%100
52	M38	Z	-.456	-.456	0	%100
53	M39	X	.79	.79	0	%100
54	M39	Z	-.456	-.456	0	%100
55	M40	X	3.782	3.782	0	%100
56	M40	Z	-2.184	-2.184	0	%100
57	M41	X	.946	.946	0	%100
58	M41	Z	-.546	-.546	0	%100
59	M42	X	.946	.946	0	%100
60	M42	Z	-.546	-.546	0	%100
61	M139	X	1.26	1.26	0	%100
62	M139	Z	-.727	-.727	0	%100
63	M140	X	4.547	4.547	0	%100
64	M140	Z	-2.625	-2.625	0	%100
65	M141	X	4.546	4.546	0	%100
66	M141	Z	-2.625	-2.625	0	%100
67	M154	X	.763	.763	0	%100
68	M154	Z	-.441	-.441	0	%100
69	M155	X	3.053	3.053	0	%100
70	M155	Z	-1.763	-1.763	0	%100
71	M156	X	.763	.763	0	%100
72	M156	Z	-.441	-.441	0	%100
73	M157	X	2.929	2.929	0	%100
74	M157	Z	-1.691	-1.691	0	%100
75	M158	X	.732	.732	0	%100
76	M158	Z	-.423	-.423	0	%100
77	M159	X	.732	.732	0	%100
78	M159	Z	-.423	-.423	0	%100
79	MP4A	X	3.053	3.053	0	%100
80	MP4A	Z	-1.763	-1.763	0	%100
81	MP3A	X	3.053	3.053	0	%100
82	MP3A	Z	-1.763	-1.763	0	%100
83	MP2A	X	3.053	3.053	0	%100
84	MP2A	Z	-1.763	-1.763	0	%100
85	MP1A	X	3.053	3.053	0	%100
86	MP1A	Z	-1.763	-1.763	0	%100
87	MP4C	X	3.053	3.053	0	%100
88	MP4C	Z	-1.763	-1.763	0	%100
89	MP3C	X	3.053	3.053	0	%100
90	MP3C	Z	-1.763	-1.763	0	%100
91	MP2C	X	3.053	3.053	0	%100
92	MP2C	Z	-1.763	-1.763	0	%100
93	MP1C	X	3.053	3.053	0	%100
94	MP1C	Z	-1.763	-1.763	0	%100
95	MP4B	X	3.053	3.053	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
96	MP4B	Z	-1.763	-1.763	0	%100
97	MP3B	X	3.053	3.053	0	%100
98	MP3B	Z	-1.763	-1.763	0	%100
99	MP2B	X	3.053	3.053	0	%100
100	MP2B	Z	-1.763	-1.763	0	%100
101	MP1B	X	3.053	3.053	0	%100
102	MP1B	Z	-1.763	-1.763	0	%100
103	M82	X	1.193	1.193	0	%100
104	M82	Z	-.689	-.689	0	%100
105	M83	X	1.193	1.193	0	%100
106	M83	Z	-.689	-.689	0	%100
107	M84A	X	3.56	3.56	0	%100
108	M84A	Z	-2.055	-2.055	0	%100
109	M85A	X	9.6e-5	9.6e-5	0	%100
110	M85A	Z	-5.5e-5	-5.5e-5	0	%100
111	M87A	X	1.193	1.193	0	%100
112	M87A	Z	-.689	-.689	0	%100
113	M88A	X	1.193	1.193	0	%100
114	M88A	Z	-.689	-.689	0	%100
115	M89A	X	3.56	3.56	0	%100
116	M89A	Z	-2.055	-2.055	0	%100
117	M90	X	9.6e-5	9.6e-5	0	%100
118	M90	Z	-5.5e-5	-5.5e-5	0	%100
119	M90A	X	3.093	3.093	0	%100
120	M90A	Z	-1.786	-1.786	0	%100
121	M91A	X	4.004	4.004	0	%100
122	M91A	Z	-2.312	-2.312	0	%100
123	M92A	X	3.093	3.093	0	%100
124	M92A	Z	-1.786	-1.786	0	%100
125	M93A	X	4.004	4.004	0	%100
126	M93A	Z	-2.312	-2.312	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	1.398	1.398	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	1.398	1.398	0	%100
4	M5	Z	0	0	0	%100
5	M7	X	3.118	3.118	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M11	X	1.102	1.102	0	%100
10	M11	Z	0	0	0	%100
11	M12	X	2.737	2.737	0	%100
12	M12	Z	0	0	0	%100
13	M13	X	2.737	2.737	0	%100
14	M13	Z	0	0	0	%100
15	M14	X	4.133	4.133	0	%100
16	M14	Z	0	0	0	%100
17	M15	X	4.133	4.133	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
18	M15	Z	0	0	0	%100
19	M16	X	1.398	1.398	0	%100
20	M16	Z	0	0	0	%100
21	M18	X	1.398	1.398	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	3.118	3.118	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	5.509	5.509	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	1.399	1.399	0	%100
30	M23	Z	0	0	0	%100
31	M24	X	1.102	1.102	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	2.737	2.737	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	2.737	2.737	0	%100
36	M26	Z	0	0	0	%100
37	M29	X	5.592	5.592	0	%100
38	M29	Z	0	0	0	%100
39	M30	X	5.441	5.441	0	%100
40	M30	Z	0	0	0	%100
41	M31	X	5.592	5.592	0	%100
42	M31	Z	0	0	0	%100
43	M32	X	5.441	5.441	0	%100
44	M32	Z	0	0	0	%100
45	M33	X	3.118	3.118	0	%100
46	M33	Z	0	0	0	%100
47	M34	X	3.119	3.119	0	%100
48	M34	Z	0	0	0	%100
49	M37	X	4.408	4.408	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	0	0	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	3.275	3.275	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	3.275	3.275	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	0	0	0	%100
61	M139	X	2.719	2.719	0	%100
62	M139	Z	0	0	0	%100
63	M140	X	6.514	6.514	0	%100
64	M140	Z	0	0	0	%100
65	M141	X	2.719	2.719	0	%100
66	M141	Z	0	0	0	%100
67	M154	X	0	0	0	%100
68	M154	Z	0	0	0	%100
69	M155	X	2.644	2.644	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
70	M155	Z	0	0	0	%100
71	M156	X	2.644	2.644	0	%100
72	M156	Z	0	0	0	%100
73	M157	X	2.537	2.537	0	%100
74	M157	Z	0	0	0	%100
75	M158	X	0	0	0	%100
76	M158	Z	0	0	0	%100
77	M159	X	2.537	2.537	0	%100
78	M159	Z	0	0	0	%100
79	MP4A	X	3.526	3.526	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	3.526	3.526	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	3.526	3.526	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	3.526	3.526	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	3.526	3.526	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	3.526	3.526	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	3.526	3.526	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	3.526	3.526	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	3.526	3.526	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	3.526	3.526	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	3.526	3.526	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	3.526	3.526	0	%100
102	MP1B	Z	0	0	0	%100
103	M82	X	4.133	4.133	0	%100
104	M82	Z	0	0	0	%100
105	M83	X	4.133	4.133	0	%100
106	M83	Z	0	0	0	%100
107	M84A	X	5.509	5.509	0	%100
108	M84A	Z	0	0	0	%100
109	M85A	X	1.399	1.399	0	%100
110	M85A	Z	0	0	0	%100
111	M87A	X	4.133	4.133	0	%100
112	M87A	Z	0	0	0	%100
113	M88A	X	4.133	4.133	0	%100
114	M88A	Z	0	0	0	%100
115	M89A	X	5.509	5.509	0	%100
116	M89A	Z	0	0	0	%100
117	M90	X	1.399	1.399	0	%100
118	M90	Z	0	0	0	%100
119	M90A	X	5.441	5.441	0	%100
120	M90A	Z	0	0	0	%100
121	M91A	X	5.441	5.441	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
122	M91A	Z	0	0	0	%100
123	M92A	X	5.441	5.441	0	%100
124	M92A	Z	0	0	0	%100
125	M93A	X	5.441	5.441	0	%100
126	M93A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	3.632	3.632	0	%100
2	M3	Z	2.097	2.097	0	%100
3	M5	X	3.632	3.632	0	%100
4	M5	Z	2.097	2.097	0	%100
5	M7	X	3.601	3.601	0	%100
6	M7	Z	2.079	2.079	0	%100
7	M8	X	.9	.9	0	%100
8	M8	Z	.52	.52	0	%100
9	M11	X	2.863	2.863	0	%100
10	M11	Z	1.653	1.653	0	%100
11	M12	X	.79	.79	0	%100
12	M12	Z	.456	.456	0	%100
13	M13	X	.79	.79	0	%100
14	M13	Z	.456	.456	0	%100
15	M14	X	4.773	4.773	0	%100
16	M14	Z	2.755	2.755	0	%100
17	M15	X	4.773	4.773	0	%100
18	M15	Z	2.756	2.756	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	.9	.9	0	%100
24	M20	Z	.52	.52	0	%100
25	M21	X	.9	.9	0	%100
26	M21	Z	.52	.52	0	%100
27	M22	X	3.597	3.597	0	%100
28	M22	Z	2.076	2.076	0	%100
29	M23	X	3.597	3.597	0	%100
30	M23	Z	2.076	2.076	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	3.16	3.16	0	%100
34	M25	Z	1.825	1.825	0	%100
35	M26	X	3.161	3.161	0	%100
36	M26	Z	1.825	1.825	0	%100
37	M29	X	3.632	3.632	0	%100
38	M29	Z	2.097	2.097	0	%100
39	M30	X	4.004	4.004	0	%100
40	M30	Z	2.312	2.312	0	%100
41	M31	X	3.632	3.632	0	%100
42	M31	Z	2.097	2.097	0	%100
43	M32	X	3.093	3.093	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
44	M32	Z	1.786	1.786	0	%100
45	M33	X	.9	.9	0	%100
46	M33	Z	.519	.519	0	%100
47	M34	X	3.601	3.601	0	%100
48	M34	Z	2.079	2.079	0	%100
49	M37	X	2.863	2.863	0	%100
50	M37	Z	1.653	1.653	0	%100
51	M38	X	.79	.79	0	%100
52	M38	Z	.456	.456	0	%100
53	M39	X	.79	.79	0	%100
54	M39	Z	.456	.456	0	%100
55	M40	X	.946	.946	0	%100
56	M40	Z	.546	.546	0	%100
57	M41	X	3.782	3.782	0	%100
58	M41	Z	2.184	2.184	0	%100
59	M42	X	.946	.946	0	%100
60	M42	Z	.546	.546	0	%100
61	M139	X	4.546	4.546	0	%100
62	M139	Z	2.624	2.624	0	%100
63	M140	X	4.545	4.545	0	%100
64	M140	Z	2.624	2.624	0	%100
65	M141	X	1.259	1.259	0	%100
66	M141	Z	.727	.727	0	%100
67	M154	X	.763	.763	0	%100
68	M154	Z	.441	.441	0	%100
69	M155	X	.763	.763	0	%100
70	M155	Z	.441	.441	0	%100
71	M156	X	3.053	3.053	0	%100
72	M156	Z	1.763	1.763	0	%100
73	M157	X	.732	.732	0	%100
74	M157	Z	.423	.423	0	%100
75	M158	X	.732	.732	0	%100
76	M158	Z	.423	.423	0	%100
77	M159	X	2.929	2.929	0	%100
78	M159	Z	1.691	1.691	0	%100
79	MP4A	X	3.053	3.053	0	%100
80	MP4A	Z	1.763	1.763	0	%100
81	MP3A	X	3.053	3.053	0	%100
82	MP3A	Z	1.763	1.763	0	%100
83	MP2A	X	3.053	3.053	0	%100
84	MP2A	Z	1.763	1.763	0	%100
85	MP1A	X	3.053	3.053	0	%100
86	MP1A	Z	1.763	1.763	0	%100
87	MP4C	X	3.053	3.053	0	%100
88	MP4C	Z	1.763	1.763	0	%100
89	MP3C	X	3.053	3.053	0	%100
90	MP3C	Z	1.763	1.763	0	%100
91	MP2C	X	3.053	3.053	0	%100
92	MP2C	Z	1.763	1.763	0	%100
93	MP1C	X	3.053	3.053	0	%100
94	MP1C	Z	1.763	1.763	0	%100
95	MP4B	X	3.053	3.053	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
96	MP4B	Z	1.763	1.763	0	%100
97	MP3B	X	3.053	3.053	0	%100
98	MP3B	Z	1.763	1.763	0	%100
99	MP2B	X	3.053	3.053	0	%100
100	MP2B	Z	1.763	1.763	0	%100
101	MP1B	X	3.053	3.053	0	%100
102	MP1B	Z	1.763	1.763	0	%100
103	M82	X	4.773	4.773	0	%100
104	M82	Z	2.755	2.755	0	%100
105	M83	X	4.773	4.773	0	%100
106	M83	Z	2.756	2.756	0	%100
107	M84A	X	3.597	3.597	0	%100
108	M84A	Z	2.076	2.076	0	%100
109	M85A	X	3.597	3.597	0	%100
110	M85A	Z	2.076	2.076	0	%100
111	M87A	X	4.773	4.773	0	%100
112	M87A	Z	2.755	2.755	0	%100
113	M88A	X	4.773	4.773	0	%100
114	M88A	Z	2.756	2.756	0	%100
115	M89A	X	3.597	3.597	0	%100
116	M89A	Z	2.076	2.076	0	%100
117	M90	X	3.597	3.597	0	%100
118	M90	Z	2.076	2.076	0	%100
119	M90A	X	4.004	4.004	0	%100
120	M90A	Z	2.312	2.312	0	%100
121	M91A	X	3.093	3.093	0	%100
122	M91A	Z	1.786	1.786	0	%100
123	M92A	X	4.004	4.004	0	%100
124	M92A	Z	2.312	2.312	0	%100
125	M93A	X	3.093	3.093	0	%100
126	M93A	Z	1.786	1.786	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	2.796	2.796	0	%100
2	M3	Z	4.843	4.843	0	%100
3	M5	X	2.796	2.796	0	%100
4	M5	Z	4.843	4.843	0	%100
5	M7	X	1.559	1.559	0	%100
6	M7	Z	2.7	2.7	0	%100
7	M8	X	1.559	1.559	0	%100
8	M8	Z	2.7	2.7	0	%100
9	M11	X	2.204	2.204	0	%100
10	M11	Z	3.817	3.817	0	%100
11	M12	X	0	0	0	%100
12	M12	Z	0	0	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	0	0	0	%100
15	M14	X	2.067	2.067	0	%100
16	M14	Z	3.579	3.579	0	%100
17	M15	X	2.067	2.067	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
18	M15	Z	3.58	3.58	0	%100
19	M16	X	.699	.699	0	%100
20	M16	Z	1.211	1.211	0	%100
21	M18	X	.699	.699	0	%100
22	M18	Z	1.211	1.211	0	%100
23	M20	X	1.559	1.559	0	%100
24	M20	Z	2.701	2.701	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	.699	.699	0	%100
28	M22	Z	1.211	1.211	0	%100
29	M23	X	2.754	2.754	0	%100
30	M23	Z	4.771	4.771	0	%100
31	M24	X	.551	.551	0	%100
32	M24	Z	.954	.954	0	%100
33	M25	X	1.368	1.368	0	%100
34	M25	Z	2.37	2.37	0	%100
35	M26	X	1.369	1.369	0	%100
36	M26	Z	2.37	2.37	0	%100
37	M29	X	.699	.699	0	%100
38	M29	Z	1.211	1.211	0	%100
39	M30	X	.969	.969	0	%100
40	M30	Z	1.678	1.678	0	%100
41	M31	X	.699	.699	0	%100
42	M31	Z	1.211	1.211	0	%100
43	M32	X	.443	.443	0	%100
44	M32	Z	.766	.766	0	%100
45	M33	X	0	0	0	%100
46	M33	Z	0	0	0	%100
47	M34	X	1.559	1.559	0	%100
48	M34	Z	2.7	2.7	0	%100
49	M37	X	.551	.551	0	%100
50	M37	Z	.954	.954	0	%100
51	M38	X	1.368	1.368	0	%100
52	M38	Z	2.37	2.37	0	%100
53	M39	X	1.369	1.369	0	%100
54	M39	Z	2.371	2.371	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	1.638	1.638	0	%100
58	M41	Z	2.837	2.837	0	%100
59	M42	X	1.638	1.638	0	%100
60	M42	Z	2.837	2.837	0	%100
61	M139	X	3.257	3.257	0	%100
62	M139	Z	5.641	5.641	0	%100
63	M140	X	1.359	1.359	0	%100
64	M140	Z	2.354	2.354	0	%100
65	M141	X	1.359	1.359	0	%100
66	M141	Z	2.355	2.355	0	%100
67	M154	X	1.322	1.322	0	%100
68	M154	Z	2.29	2.29	0	%100
69	M155	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
70	M155	Z	0	0	0	%100
71	M156	X	1.322	1.322	0	%100
72	M156	Z	2.29	2.29	0	%100
73	M157	X	0	0	0	%100
74	M157	Z	0	0	0	%100
75	M158	X	1.268	1.268	0	%100
76	M158	Z	2.197	2.197	0	%100
77	M159	X	1.268	1.268	0	%100
78	M159	Z	2.197	2.197	0	%100
79	MP4A	X	1.763	1.763	0	%100
80	MP4A	Z	3.053	3.053	0	%100
81	MP3A	X	1.763	1.763	0	%100
82	MP3A	Z	3.053	3.053	0	%100
83	MP2A	X	1.763	1.763	0	%100
84	MP2A	Z	3.053	3.053	0	%100
85	MP1A	X	1.763	1.763	0	%100
86	MP1A	Z	3.053	3.053	0	%100
87	MP4C	X	1.763	1.763	0	%100
88	MP4C	Z	3.053	3.053	0	%100
89	MP3C	X	1.763	1.763	0	%100
90	MP3C	Z	3.053	3.053	0	%100
91	MP2C	X	1.763	1.763	0	%100
92	MP2C	Z	3.053	3.053	0	%100
93	MP1C	X	1.763	1.763	0	%100
94	MP1C	Z	3.053	3.053	0	%100
95	MP4B	X	1.763	1.763	0	%100
96	MP4B	Z	3.053	3.053	0	%100
97	MP3B	X	1.763	1.763	0	%100
98	MP3B	Z	3.053	3.053	0	%100
99	MP2B	X	1.763	1.763	0	%100
100	MP2B	Z	3.053	3.053	0	%100
101	MP1B	X	1.763	1.763	0	%100
102	MP1B	Z	3.053	3.053	0	%100
103	M82	X	2.067	2.067	0	%100
104	M82	Z	3.579	3.579	0	%100
105	M83	X	2.067	2.067	0	%100
106	M83	Z	3.58	3.58	0	%100
107	M84A	X	.699	.699	0	%100
108	M84A	Z	1.211	1.211	0	%100
109	M85A	X	2.754	2.754	0	%100
110	M85A	Z	4.771	4.771	0	%100
111	M87A	X	2.067	2.067	0	%100
112	M87A	Z	3.579	3.579	0	%100
113	M88A	X	2.067	2.067	0	%100
114	M88A	Z	3.58	3.58	0	%100
115	M89A	X	.699	.699	0	%100
116	M89A	Z	1.211	1.211	0	%100
117	M90	X	2.754	2.754	0	%100
118	M90	Z	4.771	4.771	0	%100
119	M90A	X	.969	.969	0	%100
120	M90A	Z	1.678	1.678	0	%100
121	M91A	X	.443	.443	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
122	M91A	Z	.766	.766	0	%100
123	M92A	X	.969	.969	0	%100
124	M92A	Z	1.678	1.678	0	%100
125	M93A	X	.443	.443	0	%100
126	M93A	Z	.766	.766	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	0	0	0	%100
2	M3	Z	4.194	4.194	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	4.194	4.194	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	1.039	1.039	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	4.158	4.158	0	%100
9	M11	X	0	0	0	%100
10	M11	Z	3.306	3.306	0	%100
11	M12	X	0	0	0	%100
12	M12	Z	.912	.912	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	.912	.912	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	1.378	1.378	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	1.378	1.378	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	4.194	4.194	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	4.194	4.194	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	4.158	4.158	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	1.04	1.04	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	.00011	.00011	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	4.11	4.11	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	3.306	3.306	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	.912	.912	0	%100
35	M26	X	0	0	0	%100
36	M26	Z	.912	.912	0	%100
37	M29	X	0	0	0	%100
38	M29	Z	0	0	0	%100
39	M30	X	0	0	0	%100
40	M30	Z	.068	.068	0	%100
41	M31	X	0	0	0	%100
42	M31	Z	0	0	0	%100
43	M32	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[in,%]	End Location[in,%]
44	M32	Z	.068	.068	0	%100
45	M33	X	0	0	0	%100
46	M33	Z	1.04	1.04	0	%100
47	M34	X	0	0	0	%100
48	M34	Z	1.039	1.039	0	%100
49	M37	X	0	0	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	3.649	3.649	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	3.65	3.65	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	1.092	1.092	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	1.092	1.092	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	4.367	4.367	0	%100
61	M139	X	0	0	0	%100
62	M139	Z	5.249	5.249	0	%100
63	M140	X	0	0	0	%100
64	M140	Z	1.454	1.454	0	%100
65	M141	X	0	0	0	%100
66	M141	Z	5.249	5.249	0	%100
67	M154	X	0	0	0	%100
68	M154	Z	3.526	3.526	0	%100
69	M155	X	0	0	0	%100
70	M155	Z	.881	.881	0	%100
71	M156	X	0	0	0	%100
72	M156	Z	.881	.881	0	%100
73	M157	X	0	0	0	%100
74	M157	Z	.846	.846	0	%100
75	M158	X	0	0	0	%100
76	M158	Z	3.382	3.382	0	%100
77	M159	X	0	0	0	%100
78	M159	Z	.846	.846	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	3.526	3.526	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	3.526	3.526	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	3.526	3.526	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	3.526	3.526	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	3.526	3.526	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	3.526	3.526	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	3.526	3.526	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	3.526	3.526	0	%100
95	MP4B	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[in,%]	End Location[in,%]
96	MP4B	Z	3.526	3.526	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	3.526	3.526	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	3.526	3.526	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	3.526	3.526	0	%100
103	M82	X	0	0	0	%100
104	M82	Z	1.378	1.378	0	%100
105	M83	X	0	0	0	%100
106	M83	Z	1.378	1.378	0	%100
107	M84A	X	0	0	0	%100
108	M84A	Z	.00011	.00011	0	%100
109	M85A	X	0	0	0	%100
110	M85A	Z	4.11	4.11	0	%100
111	M87A	X	0	0	0	%100
112	M87A	Z	1.378	1.378	0	%100
113	M88A	X	0	0	0	%100
114	M88A	Z	1.378	1.378	0	%100
115	M89A	X	0	0	0	%100
116	M89A	Z	.00011	.00011	0	%100
117	M90	X	0	0	0	%100
118	M90	Z	4.11	4.11	0	%100
119	M90A	X	0	0	0	%100
120	M90A	Z	.068	.068	0	%100
121	M91A	X	0	0	0	%100
122	M91A	Z	.068	.068	0	%100
123	M92A	X	0	0	0	%100
124	M92A	Z	.068	.068	0	%100
125	M93A	X	0	0	0	%100
126	M93A	Z	.068	.068	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	-.699	-.699	0	%100
2	M3	Z	1.211	1.211	0	%100
3	M5	X	-.699	-.699	0	%100
4	M5	Z	1.211	1.211	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-1.559	-1.559	0	%100
8	M8	Z	2.7	2.7	0	%100
9	M11	X	-.551	-.551	0	%100
10	M11	Z	.954	.954	0	%100
11	M12	X	-1.369	-1.369	0	%100
12	M12	Z	2.37	2.37	0	%100
13	M13	X	-1.369	-1.369	0	%100
14	M13	Z	2.37	2.37	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	0	0	0	%100
17	M15	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[in,%]	End Location[in,%]
18	M15	Z	0	0	0	%100
19	M16	X	-2.796	-2.796	0	%100
20	M16	Z	4.843	4.843	0	%100
21	M18	X	-2.796	-2.796	0	%100
22	M18	Z	4.843	4.843	0	%100
23	M20	X	-1.559	-1.559	0	%100
24	M20	Z	2.7	2.7	0	%100
25	M21	X	-1.559	-1.559	0	%100
26	M21	Z	2.701	2.701	0	%100
27	M22	X	-.678	-.678	0	%100
28	M22	Z	1.174	1.174	0	%100
29	M23	X	-.678	-.678	0	%100
30	M23	Z	1.174	1.174	0	%100
31	M24	X	-2.204	-2.204	0	%100
32	M24	Z	3.818	3.818	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	0	0	0	%100
36	M26	Z	0	0	0	%100
37	M29	X	-.699	-.699	0	%100
38	M29	Z	1.211	1.211	0	%100
39	M30	X	-.443	-.443	0	%100
40	M30	Z	.766	.766	0	%100
41	M31	X	-.699	-.699	0	%100
42	M31	Z	1.211	1.211	0	%100
43	M32	X	-.969	-.969	0	%100
44	M32	Z	1.678	1.678	0	%100
45	M33	X	-1.559	-1.559	0	%100
46	M33	Z	2.701	2.701	0	%100
47	M34	X	0	0	0	%100
48	M34	Z	0	0	0	%100
49	M37	X	-.552	-.552	0	%100
50	M37	Z	.955	.955	0	%100
51	M38	X	-1.368	-1.368	0	%100
52	M38	Z	2.37	2.37	0	%100
53	M39	X	-1.369	-1.369	0	%100
54	M39	Z	2.371	2.371	0	%100
55	M40	X	-1.638	-1.638	0	%100
56	M40	Z	2.837	2.837	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	-1.638	-1.638	0	%100
60	M42	Z	2.837	2.837	0	%100
61	M139	X	-1.36	-1.36	0	%100
62	M139	Z	2.355	2.355	0	%100
63	M140	X	-1.36	-1.36	0	%100
64	M140	Z	2.355	2.355	0	%100
65	M141	X	-3.257	-3.257	0	%100
66	M141	Z	5.642	5.642	0	%100
67	M154	X	-1.322	-1.322	0	%100
68	M154	Z	2.29	2.29	0	%100
69	M155	X	-1.322	-1.322	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
70	M155	Z	2.29	2.29	0	%100
71	M156	X	0	0	0	%100
72	M156	Z	0	0	0	%100
73	M157	X	-1.268	-1.268	0	%100
74	M157	Z	2.197	2.197	0	%100
75	M158	X	-1.268	-1.268	0	%100
76	M158	Z	2.197	2.197	0	%100
77	M159	X	0	0	0	%100
78	M159	Z	0	0	0	%100
79	MP4A	X	-1.763	-1.763	0	%100
80	MP4A	Z	3.053	3.053	0	%100
81	MP3A	X	-1.763	-1.763	0	%100
82	MP3A	Z	3.053	3.053	0	%100
83	MP2A	X	-1.763	-1.763	0	%100
84	MP2A	Z	3.053	3.053	0	%100
85	MP1A	X	-1.763	-1.763	0	%100
86	MP1A	Z	3.053	3.053	0	%100
87	MP4C	X	-1.763	-1.763	0	%100
88	MP4C	Z	3.053	3.053	0	%100
89	MP3C	X	-1.763	-1.763	0	%100
90	MP3C	Z	3.053	3.053	0	%100
91	MP2C	X	-1.763	-1.763	0	%100
92	MP2C	Z	3.053	3.053	0	%100
93	MP1C	X	-1.763	-1.763	0	%100
94	MP1C	Z	3.053	3.053	0	%100
95	MP4B	X	-1.763	-1.763	0	%100
96	MP4B	Z	3.053	3.053	0	%100
97	MP3B	X	-1.763	-1.763	0	%100
98	MP3B	Z	3.053	3.053	0	%100
99	MP2B	X	-1.763	-1.763	0	%100
100	MP2B	Z	3.053	3.053	0	%100
101	MP1B	X	-1.763	-1.763	0	%100
102	MP1B	Z	3.053	3.053	0	%100
103	M82	X	0	0	0	%100
104	M82	Z	0	0	0	%100
105	M83	X	0	0	0	%100
106	M83	Z	0	0	0	%100
107	M84A	X	-.678	-.678	0	%100
108	M84A	Z	1.174	1.174	0	%100
109	M85A	X	-.678	-.678	0	%100
110	M85A	Z	1.174	1.174	0	%100
111	M87A	X	0	0	0	%100
112	M87A	Z	0	0	0	%100
113	M88A	X	0	0	0	%100
114	M88A	Z	0	0	0	%100
115	M89A	X	-.678	-.678	0	%100
116	M89A	Z	1.174	1.174	0	%100
117	M90	X	-.678	-.678	0	%100
118	M90	Z	1.174	1.174	0	%100
119	M90A	X	-.443	-.443	0	%100
120	M90A	Z	.766	.766	0	%100
121	M91A	X	-.969	-.969	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
122	M91A	Z	1.678	1.678	0	%100
123	M92A	X	-.443	-.443	0	%100
124	M92A	Z	.766	.766	0	%100
125	M93A	X	-.969	-.969	0	%100
126	M93A	Z	1.678	1.678	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	0	0	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M7	X	-.9	-.9	0	%100
6	M7	Z	.52	.52	0	%100
7	M8	X	-.9	-.9	0	%100
8	M8	Z	.52	.52	0	%100
9	M11	X	0	0	0	%100
10	M11	Z	0	0	0	%100
11	M12	X	-3.16	-3.16	0	%100
12	M12	Z	1.825	1.825	0	%100
13	M13	X	-3.16	-3.16	0	%100
14	M13	Z	1.825	1.825	0	%100
15	M14	X	-1.193	-1.193	0	%100
16	M14	Z	.689	.689	0	%100
17	M15	X	-1.193	-1.193	0	%100
18	M15	Z	.689	.689	0	%100
19	M16	X	-3.632	-3.632	0	%100
20	M16	Z	2.097	2.097	0	%100
21	M18	X	-3.632	-3.632	0	%100
22	M18	Z	2.097	2.097	0	%100
23	M20	X	-.9	-.9	0	%100
24	M20	Z	.52	.52	0	%100
25	M21	X	-3.601	-3.601	0	%100
26	M21	Z	2.079	2.079	0	%100
27	M22	X	-3.56	-3.56	0	%100
28	M22	Z	2.055	2.055	0	%100
29	M23	X	-9.6e-5	-9.6e-5	0	%100
30	M23	Z	5.5e-5	5.5e-5	0	%100
31	M24	X	-2.863	-2.863	0	%100
32	M24	Z	1.653	1.653	0	%100
33	M25	X	-.79	-.79	0	%100
34	M25	Z	.456	.456	0	%100
35	M26	X	-.79	-.79	0	%100
36	M26	Z	.456	.456	0	%100
37	M29	X	-3.632	-3.632	0	%100
38	M29	Z	2.097	2.097	0	%100
39	M30	X	-3.093	-3.093	0	%100
40	M30	Z	1.786	1.786	0	%100
41	M31	X	-3.632	-3.632	0	%100
42	M31	Z	2.097	2.097	0	%100
43	M32	X	-4.004	-4.004	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
44	M32	Z	2.312	2.312	0	%100
45	M33	X	-3.601	-3.601	0	%100
46	M33	Z	2.079	2.079	0	%100
47	M34	X	-.901	-.901	0	%100
48	M34	Z	.52	.52	0	%100
49	M37	X	-2.864	-2.864	0	%100
50	M37	Z	1.654	1.654	0	%100
51	M38	X	-.79	-.79	0	%100
52	M38	Z	.456	.456	0	%100
53	M39	X	-.79	-.79	0	%100
54	M39	Z	.456	.456	0	%100
55	M40	X	-3.782	-3.782	0	%100
56	M40	Z	2.184	2.184	0	%100
57	M41	X	-.946	-.946	0	%100
58	M41	Z	.546	.546	0	%100
59	M42	X	-.946	-.946	0	%100
60	M42	Z	.546	.546	0	%100
61	M139	X	-1.26	-1.26	0	%100
62	M139	Z	.727	.727	0	%100
63	M140	X	-4.547	-4.547	0	%100
64	M140	Z	2.625	2.625	0	%100
65	M141	X	-4.546	-4.546	0	%100
66	M141	Z	2.625	2.625	0	%100
67	M154	X	-.763	-.763	0	%100
68	M154	Z	.441	.441	0	%100
69	M155	X	-3.053	-3.053	0	%100
70	M155	Z	1.763	1.763	0	%100
71	M156	X	-.763	-.763	0	%100
72	M156	Z	.441	.441	0	%100
73	M157	X	-2.929	-2.929	0	%100
74	M157	Z	1.691	1.691	0	%100
75	M158	X	-.732	-.732	0	%100
76	M158	Z	.423	.423	0	%100
77	M159	X	-.732	-.732	0	%100
78	M159	Z	.423	.423	0	%100
79	MP4A	X	-3.053	-3.053	0	%100
80	MP4A	Z	1.763	1.763	0	%100
81	MP3A	X	-3.053	-3.053	0	%100
82	MP3A	Z	1.763	1.763	0	%100
83	MP2A	X	-3.053	-3.053	0	%100
84	MP2A	Z	1.763	1.763	0	%100
85	MP1A	X	-3.053	-3.053	0	%100
86	MP1A	Z	1.763	1.763	0	%100
87	MP4C	X	-3.053	-3.053	0	%100
88	MP4C	Z	1.763	1.763	0	%100
89	MP3C	X	-3.053	-3.053	0	%100
90	MP3C	Z	1.763	1.763	0	%100
91	MP2C	X	-3.053	-3.053	0	%100
92	MP2C	Z	1.763	1.763	0	%100
93	MP1C	X	-3.053	-3.053	0	%100
94	MP1C	Z	1.763	1.763	0	%100
95	MP4B	X	-3.053	-3.053	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
96	MP4B	Z	1.763	1.763	0	%100
97	MP3B	X	-3.053	-3.053	0	%100
98	MP3B	Z	1.763	1.763	0	%100
99	MP2B	X	-3.053	-3.053	0	%100
100	MP2B	Z	1.763	1.763	0	%100
101	MP1B	X	-3.053	-3.053	0	%100
102	MP1B	Z	1.763	1.763	0	%100
103	M82	X	-1.193	-1.193	0	%100
104	M82	Z	.689	.689	0	%100
105	M83	X	-1.193	-1.193	0	%100
106	M83	Z	.689	.689	0	%100
107	M84A	X	-3.56	-3.56	0	%100
108	M84A	Z	2.055	2.055	0	%100
109	M85A	X	-9.6e-5	-9.6e-5	0	%100
110	M85A	Z	5.5e-5	5.5e-5	0	%100
111	M87A	X	-1.193	-1.193	0	%100
112	M87A	Z	.689	.689	0	%100
113	M88A	X	-1.193	-1.193	0	%100
114	M88A	Z	.689	.689	0	%100
115	M89A	X	-3.56	-3.56	0	%100
116	M89A	Z	2.055	2.055	0	%100
117	M90	X	-9.6e-5	-9.6e-5	0	%100
118	M90	Z	5.5e-5	5.5e-5	0	%100
119	M90A	X	-3.093	-3.093	0	%100
120	M90A	Z	1.786	1.786	0	%100
121	M91A	X	-4.004	-4.004	0	%100
122	M91A	Z	2.312	2.312	0	%100
123	M92A	X	-3.093	-3.093	0	%100
124	M92A	Z	1.786	1.786	0	%100
125	M93A	X	-4.004	-4.004	0	%100
126	M93A	Z	2.312	2.312	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	-1.398	-1.398	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	-1.398	-1.398	0	%100
4	M5	Z	0	0	0	%100
5	M7	X	-3.118	-3.118	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M11	X	-1.102	-1.102	0	%100
10	M11	Z	0	0	0	%100
11	M12	X	-2.737	-2.737	0	%100
12	M12	Z	0	0	0	%100
13	M13	X	-2.737	-2.737	0	%100
14	M13	Z	0	0	0	%100
15	M14	X	-4.133	-4.133	0	%100
16	M14	Z	0	0	0	%100
17	M15	X	-4.133	-4.133	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
18	M15	Z	0	0	0	%100
19	M16	X	-1.398	-1.398	0	%100
20	M16	Z	0	0	0	%100
21	M18	X	-1.398	-1.398	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	-3.118	-3.118	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-5.509	-5.509	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	-1.399	-1.399	0	%100
30	M23	Z	0	0	0	%100
31	M24	X	-1.102	-1.102	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	-2.737	-2.737	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	-2.737	-2.737	0	%100
36	M26	Z	0	0	0	%100
37	M29	X	-5.592	-5.592	0	%100
38	M29	Z	0	0	0	%100
39	M30	X	-5.441	-5.441	0	%100
40	M30	Z	0	0	0	%100
41	M31	X	-5.592	-5.592	0	%100
42	M31	Z	0	0	0	%100
43	M32	X	-5.441	-5.441	0	%100
44	M32	Z	0	0	0	%100
45	M33	X	-3.118	-3.118	0	%100
46	M33	Z	0	0	0	%100
47	M34	X	-3.119	-3.119	0	%100
48	M34	Z	0	0	0	%100
49	M37	X	-4.408	-4.408	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	0	0	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	-3.275	-3.275	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	-3.275	-3.275	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	0	0	0	%100
61	M139	X	-2.719	-2.719	0	%100
62	M139	Z	0	0	0	%100
63	M140	X	-6.514	-6.514	0	%100
64	M140	Z	0	0	0	%100
65	M141	X	-2.719	-2.719	0	%100
66	M141	Z	0	0	0	%100
67	M154	X	0	0	0	%100
68	M154	Z	0	0	0	%100
69	M155	X	-2.644	-2.644	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
70	M155	Z	0	0	0	%100
71	M156	X	-2.644	-2.644	0	%100
72	M156	Z	0	0	0	%100
73	M157	X	-2.537	-2.537	0	%100
74	M157	Z	0	0	0	%100
75	M158	X	0	0	0	%100
76	M158	Z	0	0	0	%100
77	M159	X	-2.537	-2.537	0	%100
78	M159	Z	0	0	0	%100
79	MP4A	X	-3.526	-3.526	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	-3.526	-3.526	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	-3.526	-3.526	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	-3.526	-3.526	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	-3.526	-3.526	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	-3.526	-3.526	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	-3.526	-3.526	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-3.526	-3.526	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	-3.526	-3.526	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	-3.526	-3.526	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	-3.526	-3.526	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-3.526	-3.526	0	%100
102	MP1B	Z	0	0	0	%100
103	M82	X	-4.133	-4.133	0	%100
104	M82	Z	0	0	0	%100
105	M83	X	-4.133	-4.133	0	%100
106	M83	Z	0	0	0	%100
107	M84A	X	-5.509	-5.509	0	%100
108	M84A	Z	0	0	0	%100
109	M85A	X	-1.399	-1.399	0	%100
110	M85A	Z	0	0	0	%100
111	M87A	X	-4.133	-4.133	0	%100
112	M87A	Z	0	0	0	%100
113	M88A	X	-4.133	-4.133	0	%100
114	M88A	Z	0	0	0	%100
115	M89A	X	-5.509	-5.509	0	%100
116	M89A	Z	0	0	0	%100
117	M90	X	-1.399	-1.399	0	%100
118	M90	Z	0	0	0	%100
119	M90A	X	-5.441	-5.441	0	%100
120	M90A	Z	0	0	0	%100
121	M91A	X	-5.441	-5.441	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
122	M91A	Z	0	0	0	%100
123	M92A	X	-5.441	-5.441	0	%100
124	M92A	Z	0	0	0	%100
125	M93A	X	-5.441	-5.441	0	%100
126	M93A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	-3.632	-3.632	0	%100
2	M3	Z	-2.097	-2.097	0	%100
3	M5	X	-3.632	-3.632	0	%100
4	M5	Z	-2.097	-2.097	0	%100
5	M7	X	-3.601	-3.601	0	%100
6	M7	Z	-2.079	-2.079	0	%100
7	M8	X	-.9	-.9	0	%100
8	M8	Z	-.52	-.52	0	%100
9	M11	X	-2.863	-2.863	0	%100
10	M11	Z	-1.653	-1.653	0	%100
11	M12	X	-.79	-.79	0	%100
12	M12	Z	-.456	-.456	0	%100
13	M13	X	-.79	-.79	0	%100
14	M13	Z	-.456	-.456	0	%100
15	M14	X	-4.773	-4.773	0	%100
16	M14	Z	-2.755	-2.755	0	%100
17	M15	X	-4.773	-4.773	0	%100
18	M15	Z	-2.756	-2.756	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	-.9	-.9	0	%100
24	M20	Z	-.52	-.52	0	%100
25	M21	X	-.9	-.9	0	%100
26	M21	Z	-.52	-.52	0	%100
27	M22	X	-3.597	-3.597	0	%100
28	M22	Z	-2.076	-2.076	0	%100
29	M23	X	-3.597	-3.597	0	%100
30	M23	Z	-2.076	-2.076	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	-3.16	-3.16	0	%100
34	M25	Z	-1.825	-1.825	0	%100
35	M26	X	-3.161	-3.161	0	%100
36	M26	Z	-1.825	-1.825	0	%100
37	M29	X	-3.632	-3.632	0	%100
38	M29	Z	-2.097	-2.097	0	%100
39	M30	X	-4.004	-4.004	0	%100
40	M30	Z	-2.312	-2.312	0	%100
41	M31	X	-3.632	-3.632	0	%100
42	M31	Z	-2.097	-2.097	0	%100
43	M32	X	-3.093	-3.093	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
44	M32	Z	-1.786	-1.786	0	%100
45	M33	X	-.9	-.9	0	%100
46	M33	Z	-.519	-.519	0	%100
47	M34	X	-3.601	-3.601	0	%100
48	M34	Z	-2.079	-2.079	0	%100
49	M37	X	-2.863	-2.863	0	%100
50	M37	Z	-1.653	-1.653	0	%100
51	M38	X	-.79	-.79	0	%100
52	M38	Z	-.456	-.456	0	%100
53	M39	X	-.79	-.79	0	%100
54	M39	Z	-.456	-.456	0	%100
55	M40	X	-.946	-.946	0	%100
56	M40	Z	-.546	-.546	0	%100
57	M41	X	-3.782	-3.782	0	%100
58	M41	Z	-2.184	-2.184	0	%100
59	M42	X	-.946	-.946	0	%100
60	M42	Z	-.546	-.546	0	%100
61	M139	X	-4.546	-4.546	0	%100
62	M139	Z	-2.624	-2.624	0	%100
63	M140	X	-4.545	-4.545	0	%100
64	M140	Z	-2.624	-2.624	0	%100
65	M141	X	-1.259	-1.259	0	%100
66	M141	Z	-.727	-.727	0	%100
67	M154	X	-.763	-.763	0	%100
68	M154	Z	-.441	-.441	0	%100
69	M155	X	-.763	-.763	0	%100
70	M155	Z	-.441	-.441	0	%100
71	M156	X	-3.053	-3.053	0	%100
72	M156	Z	-1.763	-1.763	0	%100
73	M157	X	-.732	-.732	0	%100
74	M157	Z	-.423	-.423	0	%100
75	M158	X	-.732	-.732	0	%100
76	M158	Z	-.423	-.423	0	%100
77	M159	X	-2.929	-2.929	0	%100
78	M159	Z	-1.691	-1.691	0	%100
79	MP4A	X	-3.053	-3.053	0	%100
80	MP4A	Z	-1.763	-1.763	0	%100
81	MP3A	X	-3.053	-3.053	0	%100
82	MP3A	Z	-1.763	-1.763	0	%100
83	MP2A	X	-3.053	-3.053	0	%100
84	MP2A	Z	-1.763	-1.763	0	%100
85	MP1A	X	-3.053	-3.053	0	%100
86	MP1A	Z	-1.763	-1.763	0	%100
87	MP4C	X	-3.053	-3.053	0	%100
88	MP4C	Z	-1.763	-1.763	0	%100
89	MP3C	X	-3.053	-3.053	0	%100
90	MP3C	Z	-1.763	-1.763	0	%100
91	MP2C	X	-3.053	-3.053	0	%100
92	MP2C	Z	-1.763	-1.763	0	%100
93	MP1C	X	-3.053	-3.053	0	%100
94	MP1C	Z	-1.763	-1.763	0	%100
95	MP4B	X	-3.053	-3.053	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
96	MP4B	Z	-1.763	-1.763	0	%100
97	MP3B	X	-3.053	-3.053	0	%100
98	MP3B	Z	-1.763	-1.763	0	%100
99	MP2B	X	-3.053	-3.053	0	%100
100	MP2B	Z	-1.763	-1.763	0	%100
101	MP1B	X	-3.053	-3.053	0	%100
102	MP1B	Z	-1.763	-1.763	0	%100
103	M82	X	-4.773	-4.773	0	%100
104	M82	Z	-2.755	-2.755	0	%100
105	M83	X	-4.773	-4.773	0	%100
106	M83	Z	-2.756	-2.756	0	%100
107	M84A	X	-3.597	-3.597	0	%100
108	M84A	Z	-2.076	-2.076	0	%100
109	M85A	X	-3.597	-3.597	0	%100
110	M85A	Z	-2.076	-2.076	0	%100
111	M87A	X	-4.773	-4.773	0	%100
112	M87A	Z	-2.755	-2.755	0	%100
113	M88A	X	-4.773	-4.773	0	%100
114	M88A	Z	-2.756	-2.756	0	%100
115	M89A	X	-3.597	-3.597	0	%100
116	M89A	Z	-2.076	-2.076	0	%100
117	M90	X	-3.597	-3.597	0	%100
118	M90	Z	-2.076	-2.076	0	%100
119	M90A	X	-4.004	-4.004	0	%100
120	M90A	Z	-2.312	-2.312	0	%100
121	M91A	X	-3.093	-3.093	0	%100
122	M91A	Z	-1.786	-1.786	0	%100
123	M92A	X	-4.004	-4.004	0	%100
124	M92A	Z	-2.312	-2.312	0	%100
125	M93A	X	-3.093	-3.093	0	%100
126	M93A	Z	-1.786	-1.786	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	-2.796	-2.796	0	%100
2	M3	Z	-4.843	-4.843	0	%100
3	M5	X	-2.796	-2.796	0	%100
4	M5	Z	-4.843	-4.843	0	%100
5	M7	X	-1.559	-1.559	0	%100
6	M7	Z	-2.7	-2.7	0	%100
7	M8	X	-1.559	-1.559	0	%100
8	M8	Z	-2.7	-2.7	0	%100
9	M11	X	-2.204	-2.204	0	%100
10	M11	Z	-3.817	-3.817	0	%100
11	M12	X	0	0	0	%100
12	M12	Z	0	0	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	0	0	0	%100
15	M14	X	-2.067	-2.067	0	%100
16	M14	Z	-3.579	-3.579	0	%100
17	M15	X	-2.067	-2.067	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
18	M15	Z	-3.58	-3.58	0	%100
19	M16	X	-.699	-.699	0	%100
20	M16	Z	-1.211	-1.211	0	%100
21	M18	X	-.699	-.699	0	%100
22	M18	Z	-1.211	-1.211	0	%100
23	M20	X	-1.559	-1.559	0	%100
24	M20	Z	-2.701	-2.701	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-.699	-.699	0	%100
28	M22	Z	-1.211	-1.211	0	%100
29	M23	X	-2.754	-2.754	0	%100
30	M23	Z	-4.771	-4.771	0	%100
31	M24	X	-.551	-.551	0	%100
32	M24	Z	-.954	-.954	0	%100
33	M25	X	-1.368	-1.368	0	%100
34	M25	Z	-2.37	-2.37	0	%100
35	M26	X	-1.369	-1.369	0	%100
36	M26	Z	-2.37	-2.37	0	%100
37	M29	X	-.699	-.699	0	%100
38	M29	Z	-1.211	-1.211	0	%100
39	M30	X	-.969	-.969	0	%100
40	M30	Z	-1.678	-1.678	0	%100
41	M31	X	-.699	-.699	0	%100
42	M31	Z	-1.211	-1.211	0	%100
43	M32	X	-.443	-.443	0	%100
44	M32	Z	-.766	-.766	0	%100
45	M33	X	0	0	0	%100
46	M33	Z	0	0	0	%100
47	M34	X	-1.559	-1.559	0	%100
48	M34	Z	-2.7	-2.7	0	%100
49	M37	X	-.551	-.551	0	%100
50	M37	Z	-.954	-.954	0	%100
51	M38	X	-1.368	-1.368	0	%100
52	M38	Z	-2.37	-2.37	0	%100
53	M39	X	-1.369	-1.369	0	%100
54	M39	Z	-2.371	-2.371	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	-1.638	-1.638	0	%100
58	M41	Z	-2.837	-2.837	0	%100
59	M42	X	-1.638	-1.638	0	%100
60	M42	Z	-2.837	-2.837	0	%100
61	M139	X	-3.257	-3.257	0	%100
62	M139	Z	-5.641	-5.641	0	%100
63	M140	X	-1.359	-1.359	0	%100
64	M140	Z	-2.354	-2.354	0	%100
65	M141	X	-1.359	-1.359	0	%100
66	M141	Z	-2.355	-2.355	0	%100
67	M154	X	-1.322	-1.322	0	%100
68	M154	Z	-2.29	-2.29	0	%100
69	M155	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[in,%]	End Location[in,%]
70	M155	Z	0	0	0	%100
71	M156	X	-1.322	-1.322	0	%100
72	M156	Z	-2.29	-2.29	0	%100
73	M157	X	0	0	0	%100
74	M157	Z	0	0	0	%100
75	M158	X	-1.268	-1.268	0	%100
76	M158	Z	-2.197	-2.197	0	%100
77	M159	X	-1.268	-1.268	0	%100
78	M159	Z	-2.197	-2.197	0	%100
79	MP4A	X	-1.763	-1.763	0	%100
80	MP4A	Z	-3.053	-3.053	0	%100
81	MP3A	X	-1.763	-1.763	0	%100
82	MP3A	Z	-3.053	-3.053	0	%100
83	MP2A	X	-1.763	-1.763	0	%100
84	MP2A	Z	-3.053	-3.053	0	%100
85	MP1A	X	-1.763	-1.763	0	%100
86	MP1A	Z	-3.053	-3.053	0	%100
87	MP4C	X	-1.763	-1.763	0	%100
88	MP4C	Z	-3.053	-3.053	0	%100
89	MP3C	X	-1.763	-1.763	0	%100
90	MP3C	Z	-3.053	-3.053	0	%100
91	MP2C	X	-1.763	-1.763	0	%100
92	MP2C	Z	-3.053	-3.053	0	%100
93	MP1C	X	-1.763	-1.763	0	%100
94	MP1C	Z	-3.053	-3.053	0	%100
95	MP4B	X	-1.763	-1.763	0	%100
96	MP4B	Z	-3.053	-3.053	0	%100
97	MP3B	X	-1.763	-1.763	0	%100
98	MP3B	Z	-3.053	-3.053	0	%100
99	MP2B	X	-1.763	-1.763	0	%100
100	MP2B	Z	-3.053	-3.053	0	%100
101	MP1B	X	-1.763	-1.763	0	%100
102	MP1B	Z	-3.053	-3.053	0	%100
103	M82	X	-2.067	-2.067	0	%100
104	M82	Z	-3.579	-3.579	0	%100
105	M83	X	-2.067	-2.067	0	%100
106	M83	Z	-3.58	-3.58	0	%100
107	M84A	X	-.699	-.699	0	%100
108	M84A	Z	-1.211	-1.211	0	%100
109	M85A	X	-2.754	-2.754	0	%100
110	M85A	Z	-4.771	-4.771	0	%100
111	M87A	X	-2.067	-2.067	0	%100
112	M87A	Z	-3.579	-3.579	0	%100
113	M88A	X	-2.067	-2.067	0	%100
114	M88A	Z	-3.58	-3.58	0	%100
115	M89A	X	-.699	-.699	0	%100
116	M89A	Z	-1.211	-1.211	0	%100
117	M90	X	-2.754	-2.754	0	%100
118	M90	Z	-4.771	-4.771	0	%100
119	M90A	X	-.969	-.969	0	%100
120	M90A	Z	-1.678	-1.678	0	%100
121	M91A	X	-.443	-.443	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
122	M91A	Z	-.766	-.766	0	%100
123	M92A	X	-.969	-.969	0	%100
124	M92A	Z	-1.678	-1.678	0	%100
125	M93A	X	-.443	-.443	0	%100
126	M93A	Z	-.766	-.766	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	0	0	0	%100
2	M3	Z	-1.234	-1.234	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	-1.234	-1.234	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-.224	-.224	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-.898	-.898	0	%100
9	M11	X	0	0	0	%100
10	M11	Z	-.718	-.718	0	%100
11	M12	X	0	0	0	%100
12	M12	Z	-.205	-.205	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	-.205	-.205	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	-.404	-.404	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	-.404	-.404	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	-1.234	-1.234	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	-1.234	-1.234	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	-.898	-.898	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	-.224	-.224	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	-3.2e-5	-3.2e-5	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	-1.206	-1.206	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	-.718	-.718	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	-.205	-.205	0	%100
35	M26	X	0	0	0	%100
36	M26	Z	-.205	-.205	0	%100
37	M29	X	0	0	0	%100
38	M29	Z	0	0	0	%100
39	M30	X	0	0	0	%100
40	M30	Z	-.02	-.02	0	%100
41	M31	X	0	0	0	%100
42	M31	Z	0	0	0	%100
43	M32	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[in,%]	End Location[in,%]
44	M32	Z	-.02	-.02	0	%100
45	M33	X	0	0	0	%100
46	M33	Z	-.225	-.225	0	%100
47	M34	X	0	0	0	%100
48	M34	Z	-.224	-.224	0	%100
49	M37	X	0	0	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	-.821	-.821	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	-.821	-.821	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	-.219	-.219	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	-.219	-.219	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	-.876	-.876	0	%100
61	M139	X	0	0	0	%100
62	M139	Z	-1.382	-1.382	0	%100
63	M140	X	0	0	0	%100
64	M140	Z	-.346	-.346	0	%100
65	M141	X	0	0	0	%100
66	M141	Z	-1.382	-1.382	0	%100
67	M154	X	0	0	0	%100
68	M154	Z	-.64	-.64	0	%100
69	M155	X	0	0	0	%100
70	M155	Z	-.16	-.16	0	%100
71	M156	X	0	0	0	%100
72	M156	Z	-.16	-.16	0	%100
73	M157	X	0	0	0	%100
74	M157	Z	-.197	-.197	0	%100
75	M158	X	0	0	0	%100
76	M158	Z	-.789	-.789	0	%100
77	M159	X	0	0	0	%100
78	M159	Z	-.197	-.197	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-.64	-.64	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	-.64	-.64	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	-.64	-.64	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-.64	-.64	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-.64	-.64	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-.64	-.64	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-.64	-.64	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-.64	-.64	0	%100
95	MP4B	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[in,%]	End Location[in,%]
96	MP4B	Z	-.64	-.64	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	-.64	-.64	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-.64	-.64	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-.64	-.64	0	%100
103	M82	X	0	0	0	%100
104	M82	Z	-.404	-.404	0	%100
105	M83	X	0	0	0	%100
106	M83	Z	-.404	-.404	0	%100
107	M84A	X	0	0	0	%100
108	M84A	Z	-3.2e-5	-3.2e-5	0	%100
109	M85A	X	0	0	0	%100
110	M85A	Z	-1.206	-1.206	0	%100
111	M87A	X	0	0	0	%100
112	M87A	Z	-.404	-.404	0	%100
113	M88A	X	0	0	0	%100
114	M88A	Z	-.404	-.404	0	%100
115	M89A	X	0	0	0	%100
116	M89A	Z	-3.2e-5	-3.2e-5	0	%100
117	M90	X	0	0	0	%100
118	M90	Z	-1.206	-1.206	0	%100
119	M90A	X	0	0	0	%100
120	M90A	Z	-.02	-.02	0	%100
121	M91A	X	0	0	0	%100
122	M91A	Z	-.02	-.02	0	%100
123	M92A	X	0	0	0	%100
124	M92A	Z	-.02	-.02	0	%100
125	M93A	X	0	0	0	%100
126	M93A	Z	-.02	-.02	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	.206	.206	0	%100
2	M3	Z	-.356	-.356	0	%100
3	M5	X	.206	.206	0	%100
4	M5	Z	-.356	-.356	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	.337	.337	0	%100
8	M8	Z	-.583	-.583	0	%100
9	M11	X	.12	.12	0	%100
10	M11	Z	-.207	-.207	0	%100
11	M12	X	.308	.308	0	%100
12	M12	Z	-.533	-.533	0	%100
13	M13	X	.308	.308	0	%100
14	M13	Z	-.533	-.533	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	0	0	0	%100
17	M15	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
18	M15	Z	0	0	0	%100
19	M16	X	.823	.823	0	%100
20	M16	Z	-1.425	-1.425	0	%100
21	M18	X	.823	.823	0	%100
22	M18	Z	-1.425	-1.425	0	%100
23	M20	X	.337	.337	0	%100
24	M20	Z	-.583	-.583	0	%100
25	M21	X	.337	.337	0	%100
26	M21	Z	-.583	-.583	0	%100
27	M22	X	.199	.199	0	%100
28	M22	Z	-.344	-.344	0	%100
29	M23	X	.199	.199	0	%100
30	M23	Z	-.344	-.344	0	%100
31	M24	X	.479	.479	0	%100
32	M24	Z	-.829	-.829	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	0	0	0	%100
36	M26	Z	0	0	0	%100
37	M29	X	.206	.206	0	%100
38	M29	Z	-.356	-.356	0	%100
39	M30	X	.13	.13	0	%100
40	M30	Z	-.225	-.225	0	%100
41	M31	X	.206	.206	0	%100
42	M31	Z	-.356	-.356	0	%100
43	M32	X	.284	.284	0	%100
44	M32	Z	-.492	-.492	0	%100
45	M33	X	.337	.337	0	%100
46	M33	Z	-.583	-.583	0	%100
47	M34	X	0	0	0	%100
48	M34	Z	0	0	0	%100
49	M37	X	.12	.12	0	%100
50	M37	Z	-.207	-.207	0	%100
51	M38	X	.308	.308	0	%100
52	M38	Z	-.533	-.533	0	%100
53	M39	X	.308	.308	0	%100
54	M39	Z	-.533	-.533	0	%100
55	M40	X	.329	.329	0	%100
56	M40	Z	-.569	-.569	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	.329	.329	0	%100
60	M42	Z	-.569	-.569	0	%100
61	M139	X	.346	.346	0	%100
62	M139	Z	-.599	-.599	0	%100
63	M140	X	.346	.346	0	%100
64	M140	Z	-.599	-.599	0	%100
65	M141	X	.864	.864	0	%100
66	M141	Z	-1.496	-1.496	0	%100
67	M154	X	.24	.24	0	%100
68	M154	Z	-.415	-.415	0	%100
69	M155	X	.24	.24	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
70	M155	Z	-.415	-.415	0	%100
71	M156	X	0	0	0	%100
72	M156	Z	0	0	0	%100
73	M157	X	.296	.296	0	%100
74	M157	Z	-.513	-.513	0	%100
75	M158	X	.296	.296	0	%100
76	M158	Z	-.513	-.513	0	%100
77	M159	X	0	0	0	%100
78	M159	Z	0	0	0	%100
79	MP4A	X	.32	.32	0	%100
80	MP4A	Z	-.554	-.554	0	%100
81	MP3A	X	.32	.32	0	%100
82	MP3A	Z	-.554	-.554	0	%100
83	MP2A	X	.32	.32	0	%100
84	MP2A	Z	-.554	-.554	0	%100
85	MP1A	X	.32	.32	0	%100
86	MP1A	Z	-.554	-.554	0	%100
87	MP4C	X	.32	.32	0	%100
88	MP4C	Z	-.554	-.554	0	%100
89	MP3C	X	.32	.32	0	%100
90	MP3C	Z	-.554	-.554	0	%100
91	MP2C	X	.32	.32	0	%100
92	MP2C	Z	-.554	-.554	0	%100
93	MP1C	X	.32	.32	0	%100
94	MP1C	Z	-.554	-.554	0	%100
95	MP4B	X	.32	.32	0	%100
96	MP4B	Z	-.554	-.554	0	%100
97	MP3B	X	.32	.32	0	%100
98	MP3B	Z	-.554	-.554	0	%100
99	MP2B	X	.32	.32	0	%100
100	MP2B	Z	-.554	-.554	0	%100
101	MP1B	X	.32	.32	0	%100
102	MP1B	Z	-.554	-.554	0	%100
103	M82	X	0	0	0	%100
104	M82	Z	0	0	0	%100
105	M83	X	0	0	0	%100
106	M83	Z	0	0	0	%100
107	M84A	X	.199	.199	0	%100
108	M84A	Z	-.344	-.344	0	%100
109	M85A	X	.199	.199	0	%100
110	M85A	Z	-.344	-.344	0	%100
111	M87A	X	0	0	0	%100
112	M87A	Z	0	0	0	%100
113	M88A	X	0	0	0	%100
114	M88A	Z	0	0	0	%100
115	M89A	X	.199	.199	0	%100
116	M89A	Z	-.344	-.344	0	%100
117	M90	X	.199	.199	0	%100
118	M90	Z	-.344	-.344	0	%100
119	M90A	X	.13	.13	0	%100
120	M90A	Z	-.225	-.225	0	%100
121	M91A	X	.284	.284	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
122	M91A	Z	-.492	-.492	0	%100
123	M92A	X	.13	.13	0	%100
124	M92A	Z	-.225	-.225	0	%100
125	M93A	X	.284	.284	0	%100
126	M93A	Z	-.492	-.492	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	0	0	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M7	X	.194	.194	0	%100
6	M7	Z	-.112	-.112	0	%100
7	M8	X	.194	.194	0	%100
8	M8	Z	-.112	-.112	0	%100
9	M11	X	0	0	0	%100
10	M11	Z	0	0	0	%100
11	M12	X	.711	.711	0	%100
12	M12	Z	-.411	-.411	0	%100
13	M13	X	.711	.711	0	%100
14	M13	Z	-.411	-.411	0	%100
15	M14	X	.35	.35	0	%100
16	M14	Z	-.202	-.202	0	%100
17	M15	X	.35	.35	0	%100
18	M15	Z	-.202	-.202	0	%100
19	M16	X	1.069	1.069	0	%100
20	M16	Z	-.617	-.617	0	%100
21	M18	X	1.069	1.069	0	%100
22	M18	Z	-.617	-.617	0	%100
23	M20	X	.194	.194	0	%100
24	M20	Z	-.112	-.112	0	%100
25	M21	X	.777	.777	0	%100
26	M21	Z	-.449	-.449	0	%100
27	M22	X	1.044	1.044	0	%100
28	M22	Z	-.603	-.603	0	%100
29	M23	X	2.8e-5	2.8e-5	0	%100
30	M23	Z	-1.6e-5	-1.6e-5	0	%100
31	M24	X	.622	.622	0	%100
32	M24	Z	-.359	-.359	0	%100
33	M25	X	.178	.178	0	%100
34	M25	Z	-.103	-.103	0	%100
35	M26	X	.178	.178	0	%100
36	M26	Z	-.103	-.103	0	%100
37	M29	X	1.069	1.069	0	%100
38	M29	Z	-.617	-.617	0	%100
39	M30	X	.907	.907	0	%100
40	M30	Z	-.524	-.524	0	%100
41	M31	X	1.069	1.069	0	%100
42	M31	Z	-.617	-.617	0	%100
43	M32	X	1.175	1.175	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
44	M32	Z	-.678	-.678	0	%100
45	M33	X	.777	.777	0	%100
46	M33	Z	-.449	-.449	0	%100
47	M34	X	.194	.194	0	%100
48	M34	Z	-.112	-.112	0	%100
49	M37	X	.622	.622	0	%100
50	M37	Z	-.359	-.359	0	%100
51	M38	X	.178	.178	0	%100
52	M38	Z	-.103	-.103	0	%100
53	M39	X	.178	.178	0	%100
54	M39	Z	-.103	-.103	0	%100
55	M40	X	.759	.759	0	%100
56	M40	Z	-.438	-.438	0	%100
57	M41	X	.19	.19	0	%100
58	M41	Z	-.11	-.11	0	%100
59	M42	X	.19	.19	0	%100
60	M42	Z	-.11	-.11	0	%100
61	M139	X	.3	.3	0	%100
62	M139	Z	-.173	-.173	0	%100
63	M140	X	1.198	1.198	0	%100
64	M140	Z	-.691	-.691	0	%100
65	M141	X	1.197	1.197	0	%100
66	M141	Z	-.691	-.691	0	%100
67	M154	X	.138	.138	0	%100
68	M154	Z	-.08	-.08	0	%100
69	M155	X	.554	.554	0	%100
70	M155	Z	-.32	-.32	0	%100
71	M156	X	.138	.138	0	%100
72	M156	Z	-.08	-.08	0	%100
73	M157	X	.684	.684	0	%100
74	M157	Z	-.395	-.395	0	%100
75	M158	X	.171	.171	0	%100
76	M158	Z	-.099	-.099	0	%100
77	M159	X	.171	.171	0	%100
78	M159	Z	-.099	-.099	0	%100
79	MP4A	X	.554	.554	0	%100
80	MP4A	Z	-.32	-.32	0	%100
81	MP3A	X	.554	.554	0	%100
82	MP3A	Z	-.32	-.32	0	%100
83	MP2A	X	.554	.554	0	%100
84	MP2A	Z	-.32	-.32	0	%100
85	MP1A	X	.554	.554	0	%100
86	MP1A	Z	-.32	-.32	0	%100
87	MP4C	X	.554	.554	0	%100
88	MP4C	Z	-.32	-.32	0	%100
89	MP3C	X	.554	.554	0	%100
90	MP3C	Z	-.32	-.32	0	%100
91	MP2C	X	.554	.554	0	%100
92	MP2C	Z	-.32	-.32	0	%100
93	MP1C	X	.554	.554	0	%100
94	MP1C	Z	-.32	-.32	0	%100
95	MP4B	X	.554	.554	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
96	MP4B	Z	-.32	-.32	0	%100
97	MP3B	X	.554	.554	0	%100
98	MP3B	Z	-.32	-.32	0	%100
99	MP2B	X	.554	.554	0	%100
100	MP2B	Z	-.32	-.32	0	%100
101	MP1B	X	.554	.554	0	%100
102	MP1B	Z	-.32	-.32	0	%100
103	M82	X	.35	.35	0	%100
104	M82	Z	-.202	-.202	0	%100
105	M83	X	.35	.35	0	%100
106	M83	Z	-.202	-.202	0	%100
107	M84A	X	1.044	1.044	0	%100
108	M84A	Z	-.603	-.603	0	%100
109	M85A	X	2.8e-5	2.8e-5	0	%100
110	M85A	Z	-1.6e-5	-1.6e-5	0	%100
111	M87A	X	.35	.35	0	%100
112	M87A	Z	-.202	-.202	0	%100
113	M88A	X	.35	.35	0	%100
114	M88A	Z	-.202	-.202	0	%100
115	M89A	X	1.044	1.044	0	%100
116	M89A	Z	-.603	-.603	0	%100
117	M90	X	2.8e-5	2.8e-5	0	%100
118	M90	Z	-1.6e-5	-1.6e-5	0	%100
119	M90A	X	.907	.907	0	%100
120	M90A	Z	-.524	-.524	0	%100
121	M91A	X	1.175	1.175	0	%100
122	M91A	Z	-.678	-.678	0	%100
123	M92A	X	.907	.907	0	%100
124	M92A	Z	-.524	-.524	0	%100
125	M93A	X	1.175	1.175	0	%100
126	M93A	Z	-.678	-.678	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	.411	.411	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	.411	.411	0	%100
4	M5	Z	0	0	0	%100
5	M7	X	.673	.673	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M11	X	.239	.239	0	%100
10	M11	Z	0	0	0	%100
11	M12	X	.616	.616	0	%100
12	M12	Z	0	0	0	%100
13	M13	X	.616	.616	0	%100
14	M13	Z	0	0	0	%100
15	M14	X	1.212	1.212	0	%100
16	M14	Z	0	0	0	%100
17	M15	X	1.212	1.212	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
18	M15	Z	0	0	0	%100
19	M16	X	.411	.411	0	%100
20	M16	Z	0	0	0	%100
21	M18	X	.411	.411	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	.673	.673	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	1.616	1.616	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	.41	.41	0	%100
30	M23	Z	0	0	0	%100
31	M24	X	.239	.239	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	.616	.616	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	.616	.616	0	%100
36	M26	Z	0	0	0	%100
37	M29	X	1.646	1.646	0	%100
38	M29	Z	0	0	0	%100
39	M30	X	1.596	1.596	0	%100
40	M30	Z	0	0	0	%100
41	M31	X	1.646	1.646	0	%100
42	M31	Z	0	0	0	%100
43	M32	X	1.596	1.596	0	%100
44	M32	Z	0	0	0	%100
45	M33	X	.673	.673	0	%100
46	M33	Z	0	0	0	%100
47	M34	X	.673	.673	0	%100
48	M34	Z	0	0	0	%100
49	M37	X	.957	.957	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	0	0	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	.657	.657	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	.657	.657	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	0	0	0	%100
61	M139	X	.692	.692	0	%100
62	M139	Z	0	0	0	%100
63	M140	X	1.728	1.728	0	%100
64	M140	Z	0	0	0	%100
65	M141	X	.691	.691	0	%100
66	M141	Z	0	0	0	%100
67	M154	X	0	0	0	%100
68	M154	Z	0	0	0	%100
69	M155	X	.48	.48	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
70	M155	Z	0	0	0	%100
71	M156	X	.48	.48	0	%100
72	M156	Z	0	0	0	%100
73	M157	X	.592	.592	0	%100
74	M157	Z	0	0	0	%100
75	M158	X	0	0	0	%100
76	M158	Z	0	0	0	%100
77	M159	X	.592	.592	0	%100
78	M159	Z	0	0	0	%100
79	MP4A	X	.64	.64	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	.64	.64	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	.64	.64	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	.64	.64	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	.64	.64	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	.64	.64	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	.64	.64	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	.64	.64	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	.64	.64	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	.64	.64	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	.64	.64	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	.64	.64	0	%100
102	MP1B	Z	0	0	0	%100
103	M82	X	1.212	1.212	0	%100
104	M82	Z	0	0	0	%100
105	M83	X	1.212	1.212	0	%100
106	M83	Z	0	0	0	%100
107	M84A	X	1.616	1.616	0	%100
108	M84A	Z	0	0	0	%100
109	M85A	X	.41	.41	0	%100
110	M85A	Z	0	0	0	%100
111	M87A	X	1.212	1.212	0	%100
112	M87A	Z	0	0	0	%100
113	M88A	X	1.212	1.212	0	%100
114	M88A	Z	0	0	0	%100
115	M89A	X	1.616	1.616	0	%100
116	M89A	Z	0	0	0	%100
117	M90	X	.41	.41	0	%100
118	M90	Z	0	0	0	%100
119	M90A	X	1.596	1.596	0	%100
120	M90A	Z	0	0	0	%100
121	M91A	X	1.596	1.596	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
122	M91A	Z	0	0	0	%100
123	M92A	X	1.596	1.596	0	%100
124	M92A	Z	0	0	0	%100
125	M93A	X	1.596	1.596	0	%100
126	M93A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	1.069	1.069	0	%100
2	M3	Z	.617	.617	0	%100
3	M5	X	1.069	1.069	0	%100
4	M5	Z	.617	.617	0	%100
5	M7	X	.777	.777	0	%100
6	M7	Z	.449	.449	0	%100
7	M8	X	.194	.194	0	%100
8	M8	Z	.112	.112	0	%100
9	M11	X	.622	.622	0	%100
10	M11	Z	.359	.359	0	%100
11	M12	X	.178	.178	0	%100
12	M12	Z	.103	.103	0	%100
13	M13	X	.178	.178	0	%100
14	M13	Z	.103	.103	0	%100
15	M14	X	1.399	1.399	0	%100
16	M14	Z	.808	.808	0	%100
17	M15	X	1.399	1.399	0	%100
18	M15	Z	.808	.808	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	.194	.194	0	%100
24	M20	Z	.112	.112	0	%100
25	M21	X	.194	.194	0	%100
26	M21	Z	.112	.112	0	%100
27	M22	X	1.055	1.055	0	%100
28	M22	Z	.609	.609	0	%100
29	M23	X	1.055	1.055	0	%100
30	M23	Z	.609	.609	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	.711	.711	0	%100
34	M25	Z	.411	.411	0	%100
35	M26	X	.711	.711	0	%100
36	M26	Z	.411	.411	0	%100
37	M29	X	1.069	1.069	0	%100
38	M29	Z	.617	.617	0	%100
39	M30	X	1.175	1.175	0	%100
40	M30	Z	.678	.678	0	%100
41	M31	X	1.069	1.069	0	%100
42	M31	Z	.617	.617	0	%100
43	M32	X	.907	.907	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
44	M32	Z	.524	.524	0	%100
45	M33	X	.194	.194	0	%100
46	M33	Z	.112	.112	0	%100
47	M34	X	.777	.777	0	%100
48	M34	Z	.449	.449	0	%100
49	M37	X	.622	.622	0	%100
50	M37	Z	.359	.359	0	%100
51	M38	X	.178	.178	0	%100
52	M38	Z	.103	.103	0	%100
53	M39	X	.178	.178	0	%100
54	M39	Z	.103	.103	0	%100
55	M40	X	.19	.19	0	%100
56	M40	Z	.11	.11	0	%100
57	M41	X	.759	.759	0	%100
58	M41	Z	.438	.438	0	%100
59	M42	X	.19	.19	0	%100
60	M42	Z	.11	.11	0	%100
61	M139	X	1.197	1.197	0	%100
62	M139	Z	.691	.691	0	%100
63	M140	X	1.197	1.197	0	%100
64	M140	Z	.691	.691	0	%100
65	M141	X	.3	.3	0	%100
66	M141	Z	.173	.173	0	%100
67	M154	X	.138	.138	0	%100
68	M154	Z	.08	.08	0	%100
69	M155	X	.138	.138	0	%100
70	M155	Z	.08	.08	0	%100
71	M156	X	.554	.554	0	%100
72	M156	Z	.32	.32	0	%100
73	M157	X	.171	.171	0	%100
74	M157	Z	.099	.099	0	%100
75	M158	X	.171	.171	0	%100
76	M158	Z	.099	.099	0	%100
77	M159	X	.684	.684	0	%100
78	M159	Z	.395	.395	0	%100
79	MP4A	X	.554	.554	0	%100
80	MP4A	Z	.32	.32	0	%100
81	MP3A	X	.554	.554	0	%100
82	MP3A	Z	.32	.32	0	%100
83	MP2A	X	.554	.554	0	%100
84	MP2A	Z	.32	.32	0	%100
85	MP1A	X	.554	.554	0	%100
86	MP1A	Z	.32	.32	0	%100
87	MP4C	X	.554	.554	0	%100
88	MP4C	Z	.32	.32	0	%100
89	MP3C	X	.554	.554	0	%100
90	MP3C	Z	.32	.32	0	%100
91	MP2C	X	.554	.554	0	%100
92	MP2C	Z	.32	.32	0	%100
93	MP1C	X	.554	.554	0	%100
94	MP1C	Z	.32	.32	0	%100
95	MP4B	X	.554	.554	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
96	MP4B	Z	.32	.32	0	%100
97	MP3B	X	.554	.554	0	%100
98	MP3B	Z	.32	.32	0	%100
99	MP2B	X	.554	.554	0	%100
100	MP2B	Z	.32	.32	0	%100
101	MP1B	X	.554	.554	0	%100
102	MP1B	Z	.32	.32	0	%100
103	M82	X	1.399	1.399	0	%100
104	M82	Z	.808	.808	0	%100
105	M83	X	1.399	1.399	0	%100
106	M83	Z	.808	.808	0	%100
107	M84A	X	1.055	1.055	0	%100
108	M84A	Z	.609	.609	0	%100
109	M85A	X	1.055	1.055	0	%100
110	M85A	Z	.609	.609	0	%100
111	M87A	X	1.399	1.399	0	%100
112	M87A	Z	.808	.808	0	%100
113	M88A	X	1.399	1.399	0	%100
114	M88A	Z	.808	.808	0	%100
115	M89A	X	1.055	1.055	0	%100
116	M89A	Z	.609	.609	0	%100
117	M90	X	1.055	1.055	0	%100
118	M90	Z	.609	.609	0	%100
119	M90A	X	1.175	1.175	0	%100
120	M90A	Z	.678	.678	0	%100
121	M91A	X	.907	.907	0	%100
122	M91A	Z	.524	.524	0	%100
123	M92A	X	1.175	1.175	0	%100
124	M92A	Z	.678	.678	0	%100
125	M93A	X	.907	.907	0	%100
126	M93A	Z	.524	.524	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	.823	.823	0	%100
2	M3	Z	1.425	1.425	0	%100
3	M5	X	.823	.823	0	%100
4	M5	Z	1.425	1.425	0	%100
5	M7	X	.337	.337	0	%100
6	M7	Z	.583	.583	0	%100
7	M8	X	.337	.337	0	%100
8	M8	Z	.583	.583	0	%100
9	M11	X	.479	.479	0	%100
10	M11	Z	.829	.829	0	%100
11	M12	X	0	0	0	%100
12	M12	Z	0	0	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	0	0	0	%100
15	M14	X	.606	.606	0	%100
16	M14	Z	1.05	1.05	0	%100
17	M15	X	.606	.606	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
18	M15	Z	1.05	1.05	0	%100
19	M16	X	.206	.206	0	%100
20	M16	Z	.356	.356	0	%100
21	M18	X	.206	.206	0	%100
22	M18	Z	.356	.356	0	%100
23	M20	X	.337	.337	0	%100
24	M20	Z	.583	.583	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	.205	.205	0	%100
28	M22	Z	.355	.355	0	%100
29	M23	X	.808	.808	0	%100
30	M23	Z	1.399	1.399	0	%100
31	M24	X	.12	.12	0	%100
32	M24	Z	.207	.207	0	%100
33	M25	X	.308	.308	0	%100
34	M25	Z	.533	.533	0	%100
35	M26	X	.308	.308	0	%100
36	M26	Z	.533	.533	0	%100
37	M29	X	.206	.206	0	%100
38	M29	Z	.356	.356	0	%100
39	M30	X	.284	.284	0	%100
40	M30	Z	.492	.492	0	%100
41	M31	X	.206	.206	0	%100
42	M31	Z	.356	.356	0	%100
43	M32	X	.13	.13	0	%100
44	M32	Z	.225	.225	0	%100
45	M33	X	0	0	0	%100
46	M33	Z	0	0	0	%100
47	M34	X	.337	.337	0	%100
48	M34	Z	.583	.583	0	%100
49	M37	X	.12	.12	0	%100
50	M37	Z	.207	.207	0	%100
51	M38	X	.308	.308	0	%100
52	M38	Z	.533	.533	0	%100
53	M39	X	.308	.308	0	%100
54	M39	Z	.533	.533	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	.329	.329	0	%100
58	M41	Z	.569	.569	0	%100
59	M42	X	.329	.329	0	%100
60	M42	Z	.569	.569	0	%100
61	M139	X	.864	.864	0	%100
62	M139	Z	1.496	1.496	0	%100
63	M140	X	.346	.346	0	%100
64	M140	Z	.599	.599	0	%100
65	M141	X	.346	.346	0	%100
66	M141	Z	.599	.599	0	%100
67	M154	X	.24	.24	0	%100
68	M154	Z	.415	.415	0	%100
69	M155	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
70	M155	Z	0	0	0	%100
71	M156	X	.24	.24	0	%100
72	M156	Z	.415	.415	0	%100
73	M157	X	0	0	0	%100
74	M157	Z	0	0	0	%100
75	M158	X	.296	.296	0	%100
76	M158	Z	.513	.513	0	%100
77	M159	X	.296	.296	0	%100
78	M159	Z	.513	.513	0	%100
79	MP4A	X	.32	.32	0	%100
80	MP4A	Z	.554	.554	0	%100
81	MP3A	X	.32	.32	0	%100
82	MP3A	Z	.554	.554	0	%100
83	MP2A	X	.32	.32	0	%100
84	MP2A	Z	.554	.554	0	%100
85	MP1A	X	.32	.32	0	%100
86	MP1A	Z	.554	.554	0	%100
87	MP4C	X	.32	.32	0	%100
88	MP4C	Z	.554	.554	0	%100
89	MP3C	X	.32	.32	0	%100
90	MP3C	Z	.554	.554	0	%100
91	MP2C	X	.32	.32	0	%100
92	MP2C	Z	.554	.554	0	%100
93	MP1C	X	.32	.32	0	%100
94	MP1C	Z	.554	.554	0	%100
95	MP4B	X	.32	.32	0	%100
96	MP4B	Z	.554	.554	0	%100
97	MP3B	X	.32	.32	0	%100
98	MP3B	Z	.554	.554	0	%100
99	MP2B	X	.32	.32	0	%100
100	MP2B	Z	.554	.554	0	%100
101	MP1B	X	.32	.32	0	%100
102	MP1B	Z	.554	.554	0	%100
103	M82	X	.606	.606	0	%100
104	M82	Z	1.05	1.05	0	%100
105	M83	X	.606	.606	0	%100
106	M83	Z	1.05	1.05	0	%100
107	M84A	X	.205	.205	0	%100
108	M84A	Z	.355	.355	0	%100
109	M85A	X	.808	.808	0	%100
110	M85A	Z	1.399	1.399	0	%100
111	M87A	X	.606	.606	0	%100
112	M87A	Z	1.05	1.05	0	%100
113	M88A	X	.606	.606	0	%100
114	M88A	Z	1.05	1.05	0	%100
115	M89A	X	.205	.205	0	%100
116	M89A	Z	.355	.355	0	%100
117	M90	X	.808	.808	0	%100
118	M90	Z	1.399	1.399	0	%100
119	M90A	X	.284	.284	0	%100
120	M90A	Z	.492	.492	0	%100
121	M91A	X	.13	.13	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
122	M91A	Z	.225	.225	0	%100
123	M92A	X	.284	.284	0	%100
124	M92A	Z	.492	.492	0	%100
125	M93A	X	.13	.13	0	%100
126	M93A	Z	.225	.225	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	0	0	0	%100
2	M3	Z	1.234	1.234	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	1.234	1.234	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	.224	.224	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	.898	.898	0	%100
9	M11	X	0	0	0	%100
10	M11	Z	.718	.718	0	%100
11	M12	X	0	0	0	%100
12	M12	Z	.205	.205	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	.205	.205	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	.404	.404	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	.404	.404	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	1.234	1.234	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	1.234	1.234	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	.898	.898	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	.224	.224	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	3.2e-5	3.2e-5	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	1.206	1.206	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	.718	.718	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	.205	.205	0	%100
35	M26	X	0	0	0	%100
36	M26	Z	.205	.205	0	%100
37	M29	X	0	0	0	%100
38	M29	Z	0	0	0	%100
39	M30	X	0	0	0	%100
40	M30	Z	.02	.02	0	%100
41	M31	X	0	0	0	%100
42	M31	Z	0	0	0	%100
43	M32	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[in,%]	End Location[in,%]
44	M32	Z	.02	.02	0	%100
45	M33	X	0	0	0	%100
46	M33	Z	.225	.225	0	%100
47	M34	X	0	0	0	%100
48	M34	Z	.224	.224	0	%100
49	M37	X	0	0	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	.821	.821	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	.821	.821	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	.219	.219	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	.219	.219	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	.876	.876	0	%100
61	M139	X	0	0	0	%100
62	M139	Z	1.382	1.382	0	%100
63	M140	X	0	0	0	%100
64	M140	Z	.346	.346	0	%100
65	M141	X	0	0	0	%100
66	M141	Z	1.382	1.382	0	%100
67	M154	X	0	0	0	%100
68	M154	Z	.64	.64	0	%100
69	M155	X	0	0	0	%100
70	M155	Z	.16	.16	0	%100
71	M156	X	0	0	0	%100
72	M156	Z	.16	.16	0	%100
73	M157	X	0	0	0	%100
74	M157	Z	.197	.197	0	%100
75	M158	X	0	0	0	%100
76	M158	Z	.789	.789	0	%100
77	M159	X	0	0	0	%100
78	M159	Z	.197	.197	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	.64	.64	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	.64	.64	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	.64	.64	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	.64	.64	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	.64	.64	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	.64	.64	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	.64	.64	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	.64	.64	0	%100
95	MP4B	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[in,%]	End Location[in,%]
96	MP4B	Z	.64	.64	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	.64	.64	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	.64	.64	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	.64	.64	0	%100
103	M82	X	0	0	0	%100
104	M82	Z	.404	.404	0	%100
105	M83	X	0	0	0	%100
106	M83	Z	.404	.404	0	%100
107	M84A	X	0	0	0	%100
108	M84A	Z	3.2e-5	3.2e-5	0	%100
109	M85A	X	0	0	0	%100
110	M85A	Z	1.206	1.206	0	%100
111	M87A	X	0	0	0	%100
112	M87A	Z	.404	.404	0	%100
113	M88A	X	0	0	0	%100
114	M88A	Z	.404	.404	0	%100
115	M89A	X	0	0	0	%100
116	M89A	Z	3.2e-5	3.2e-5	0	%100
117	M90	X	0	0	0	%100
118	M90	Z	1.206	1.206	0	%100
119	M90A	X	0	0	0	%100
120	M90A	Z	.02	.02	0	%100
121	M91A	X	0	0	0	%100
122	M91A	Z	.02	.02	0	%100
123	M92A	X	0	0	0	%100
124	M92A	Z	.02	.02	0	%100
125	M93A	X	0	0	0	%100
126	M93A	Z	.02	.02	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	-.206	-.206	0	%100
2	M3	Z	.356	.356	0	%100
3	M5	X	-.206	-.206	0	%100
4	M5	Z	.356	.356	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-.337	-.337	0	%100
8	M8	Z	.583	.583	0	%100
9	M11	X	-.12	-.12	0	%100
10	M11	Z	.207	.207	0	%100
11	M12	X	-.308	-.308	0	%100
12	M12	Z	.533	.533	0	%100
13	M13	X	-.308	-.308	0	%100
14	M13	Z	.533	.533	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	0	0	0	%100
17	M15	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
18	M15	Z	0	0	0	%100
19	M16	X	-.823	-.823	0	%100
20	M16	Z	1.425	1.425	0	%100
21	M18	X	-.823	-.823	0	%100
22	M18	Z	1.425	1.425	0	%100
23	M20	X	-.337	-.337	0	%100
24	M20	Z	.583	.583	0	%100
25	M21	X	-.337	-.337	0	%100
26	M21	Z	.583	.583	0	%100
27	M22	X	-.199	-.199	0	%100
28	M22	Z	.344	.344	0	%100
29	M23	X	-.199	-.199	0	%100
30	M23	Z	.344	.344	0	%100
31	M24	X	-.479	-.479	0	%100
32	M24	Z	.829	.829	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	0	0	0	%100
36	M26	Z	0	0	0	%100
37	M29	X	-.206	-.206	0	%100
38	M29	Z	.356	.356	0	%100
39	M30	X	-.13	-.13	0	%100
40	M30	Z	.225	.225	0	%100
41	M31	X	-.206	-.206	0	%100
42	M31	Z	.356	.356	0	%100
43	M32	X	-.284	-.284	0	%100
44	M32	Z	.492	.492	0	%100
45	M33	X	-.337	-.337	0	%100
46	M33	Z	.583	.583	0	%100
47	M34	X	0	0	0	%100
48	M34	Z	0	0	0	%100
49	M37	X	-.12	-.12	0	%100
50	M37	Z	.207	.207	0	%100
51	M38	X	-.308	-.308	0	%100
52	M38	Z	.533	.533	0	%100
53	M39	X	-.308	-.308	0	%100
54	M39	Z	.533	.533	0	%100
55	M40	X	-.329	-.329	0	%100
56	M40	Z	.569	.569	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	-.329	-.329	0	%100
60	M42	Z	.569	.569	0	%100
61	M139	X	-.346	-.346	0	%100
62	M139	Z	.599	.599	0	%100
63	M140	X	-.346	-.346	0	%100
64	M140	Z	.599	.599	0	%100
65	M141	X	-.864	-.864	0	%100
66	M141	Z	1.496	1.496	0	%100
67	M154	X	-.24	-.24	0	%100
68	M154	Z	.415	.415	0	%100
69	M155	X	-.24	-.24	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
70	M155	Z	.415	.415	0	%100
71	M156	X	0	0	0	%100
72	M156	Z	0	0	0	%100
73	M157	X	-.296	-.296	0	%100
74	M157	Z	.513	.513	0	%100
75	M158	X	-.296	-.296	0	%100
76	M158	Z	.513	.513	0	%100
77	M159	X	0	0	0	%100
78	M159	Z	0	0	0	%100
79	MP4A	X	-.32	-.32	0	%100
80	MP4A	Z	.554	.554	0	%100
81	MP3A	X	-.32	-.32	0	%100
82	MP3A	Z	.554	.554	0	%100
83	MP2A	X	-.32	-.32	0	%100
84	MP2A	Z	.554	.554	0	%100
85	MP1A	X	-.32	-.32	0	%100
86	MP1A	Z	.554	.554	0	%100
87	MP4C	X	-.32	-.32	0	%100
88	MP4C	Z	.554	.554	0	%100
89	MP3C	X	-.32	-.32	0	%100
90	MP3C	Z	.554	.554	0	%100
91	MP2C	X	-.32	-.32	0	%100
92	MP2C	Z	.554	.554	0	%100
93	MP1C	X	-.32	-.32	0	%100
94	MP1C	Z	.554	.554	0	%100
95	MP4B	X	-.32	-.32	0	%100
96	MP4B	Z	.554	.554	0	%100
97	MP3B	X	-.32	-.32	0	%100
98	MP3B	Z	.554	.554	0	%100
99	MP2B	X	-.32	-.32	0	%100
100	MP2B	Z	.554	.554	0	%100
101	MP1B	X	-.32	-.32	0	%100
102	MP1B	Z	.554	.554	0	%100
103	M82	X	0	0	0	%100
104	M82	Z	0	0	0	%100
105	M83	X	0	0	0	%100
106	M83	Z	0	0	0	%100
107	M84A	X	-.199	-.199	0	%100
108	M84A	Z	.344	.344	0	%100
109	M85A	X	-.199	-.199	0	%100
110	M85A	Z	.344	.344	0	%100
111	M87A	X	0	0	0	%100
112	M87A	Z	0	0	0	%100
113	M88A	X	0	0	0	%100
114	M88A	Z	0	0	0	%100
115	M89A	X	-.199	-.199	0	%100
116	M89A	Z	.344	.344	0	%100
117	M90	X	-.199	-.199	0	%100
118	M90	Z	.344	.344	0	%100
119	M90A	X	-.13	-.13	0	%100
120	M90A	Z	.225	.225	0	%100
121	M91A	X	-.284	-.284	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
122	M91A	Z	.492	.492	0	%100
123	M92A	X	-.13	-.13	0	%100
124	M92A	Z	.225	.225	0	%100
125	M93A	X	-.284	-.284	0	%100
126	M93A	Z	.492	.492	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	0	0	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M7	X	-.194	-.194	0	%100
6	M7	Z	.112	.112	0	%100
7	M8	X	-.194	-.194	0	%100
8	M8	Z	.112	.112	0	%100
9	M11	X	0	0	0	%100
10	M11	Z	0	0	0	%100
11	M12	X	-.711	-.711	0	%100
12	M12	Z	.411	.411	0	%100
13	M13	X	-.711	-.711	0	%100
14	M13	Z	.411	.411	0	%100
15	M14	X	-.35	-.35	0	%100
16	M14	Z	.202	.202	0	%100
17	M15	X	-.35	-.35	0	%100
18	M15	Z	.202	.202	0	%100
19	M16	X	-1.069	-1.069	0	%100
20	M16	Z	.617	.617	0	%100
21	M18	X	-1.069	-1.069	0	%100
22	M18	Z	.617	.617	0	%100
23	M20	X	-.194	-.194	0	%100
24	M20	Z	.112	.112	0	%100
25	M21	X	-.777	-.777	0	%100
26	M21	Z	.449	.449	0	%100
27	M22	X	-1.044	-1.044	0	%100
28	M22	Z	.603	.603	0	%100
29	M23	X	-2.8e-5	-2.8e-5	0	%100
30	M23	Z	1.6e-5	1.6e-5	0	%100
31	M24	X	-.622	-.622	0	%100
32	M24	Z	.359	.359	0	%100
33	M25	X	-.178	-.178	0	%100
34	M25	Z	.103	.103	0	%100
35	M26	X	-.178	-.178	0	%100
36	M26	Z	.103	.103	0	%100
37	M29	X	-1.069	-1.069	0	%100
38	M29	Z	.617	.617	0	%100
39	M30	X	-.907	-.907	0	%100
40	M30	Z	.524	.524	0	%100
41	M31	X	-1.069	-1.069	0	%100
42	M31	Z	.617	.617	0	%100
43	M32	X	-1.175	-1.175	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
44	M32	Z	.678	.678	0	%100
45	M33	X	-.777	-.777	0	%100
46	M33	Z	.449	.449	0	%100
47	M34	X	-.194	-.194	0	%100
48	M34	Z	.112	.112	0	%100
49	M37	X	-.622	-.622	0	%100
50	M37	Z	.359	.359	0	%100
51	M38	X	-.178	-.178	0	%100
52	M38	Z	.103	.103	0	%100
53	M39	X	-.178	-.178	0	%100
54	M39	Z	.103	.103	0	%100
55	M40	X	-.759	-.759	0	%100
56	M40	Z	.438	.438	0	%100
57	M41	X	-.19	-.19	0	%100
58	M41	Z	.11	.11	0	%100
59	M42	X	-.19	-.19	0	%100
60	M42	Z	.11	.11	0	%100
61	M139	X	-.3	-.3	0	%100
62	M139	Z	.173	.173	0	%100
63	M140	X	-1.198	-1.198	0	%100
64	M140	Z	.691	.691	0	%100
65	M141	X	-1.197	-1.197	0	%100
66	M141	Z	.691	.691	0	%100
67	M154	X	-.138	-.138	0	%100
68	M154	Z	.08	.08	0	%100
69	M155	X	-.554	-.554	0	%100
70	M155	Z	.32	.32	0	%100
71	M156	X	-.138	-.138	0	%100
72	M156	Z	.08	.08	0	%100
73	M157	X	-.684	-.684	0	%100
74	M157	Z	.395	.395	0	%100
75	M158	X	-.171	-.171	0	%100
76	M158	Z	.099	.099	0	%100
77	M159	X	-.171	-.171	0	%100
78	M159	Z	.099	.099	0	%100
79	MP4A	X	-.554	-.554	0	%100
80	MP4A	Z	.32	.32	0	%100
81	MP3A	X	-.554	-.554	0	%100
82	MP3A	Z	.32	.32	0	%100
83	MP2A	X	-.554	-.554	0	%100
84	MP2A	Z	.32	.32	0	%100
85	MP1A	X	-.554	-.554	0	%100
86	MP1A	Z	.32	.32	0	%100
87	MP4C	X	-.554	-.554	0	%100
88	MP4C	Z	.32	.32	0	%100
89	MP3C	X	-.554	-.554	0	%100
90	MP3C	Z	.32	.32	0	%100
91	MP2C	X	-.554	-.554	0	%100
92	MP2C	Z	.32	.32	0	%100
93	MP1C	X	-.554	-.554	0	%100
94	MP1C	Z	.32	.32	0	%100
95	MP4B	X	-.554	-.554	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
96	MP4B	Z	.32	.32	0	%100
97	MP3B	X	-.554	-.554	0	%100
98	MP3B	Z	.32	.32	0	%100
99	MP2B	X	-.554	-.554	0	%100
100	MP2B	Z	.32	.32	0	%100
101	MP1B	X	-.554	-.554	0	%100
102	MP1B	Z	.32	.32	0	%100
103	M82	X	-.35	-.35	0	%100
104	M82	Z	.202	.202	0	%100
105	M83	X	-.35	-.35	0	%100
106	M83	Z	.202	.202	0	%100
107	M84A	X	-1.044	-1.044	0	%100
108	M84A	Z	.603	.603	0	%100
109	M85A	X	-2.8e-5	-2.8e-5	0	%100
110	M85A	Z	1.6e-5	1.6e-5	0	%100
111	M87A	X	-.35	-.35	0	%100
112	M87A	Z	.202	.202	0	%100
113	M88A	X	-.35	-.35	0	%100
114	M88A	Z	.202	.202	0	%100
115	M89A	X	-1.044	-1.044	0	%100
116	M89A	Z	.603	.603	0	%100
117	M90	X	-2.8e-5	-2.8e-5	0	%100
118	M90	Z	1.6e-5	1.6e-5	0	%100
119	M90A	X	-.907	-.907	0	%100
120	M90A	Z	.524	.524	0	%100
121	M91A	X	-1.175	-1.175	0	%100
122	M91A	Z	.678	.678	0	%100
123	M92A	X	-.907	-.907	0	%100
124	M92A	Z	.524	.524	0	%100
125	M93A	X	-1.175	-1.175	0	%100
126	M93A	Z	.678	.678	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	-.411	-.411	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	-.411	-.411	0	%100
4	M5	Z	0	0	0	%100
5	M7	X	-.673	-.673	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M11	X	-.239	-.239	0	%100
10	M11	Z	0	0	0	%100
11	M12	X	-.616	-.616	0	%100
12	M12	Z	0	0	0	%100
13	M13	X	-.616	-.616	0	%100
14	M13	Z	0	0	0	%100
15	M14	X	-1.212	-1.212	0	%100
16	M14	Z	0	0	0	%100
17	M15	X	-1.212	-1.212	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
18	M15	Z	0	0	0	%100
19	M16	X	-.411	-.411	0	%100
20	M16	Z	0	0	0	%100
21	M18	X	-.411	-.411	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	-.673	-.673	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-1.616	-1.616	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	-.41	-.41	0	%100
30	M23	Z	0	0	0	%100
31	M24	X	-.239	-.239	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	-.616	-.616	0	%100
34	M25	Z	0	0	0	%100
35	M26	X	-.616	-.616	0	%100
36	M26	Z	0	0	0	%100
37	M29	X	-1.646	-1.646	0	%100
38	M29	Z	0	0	0	%100
39	M30	X	-1.596	-1.596	0	%100
40	M30	Z	0	0	0	%100
41	M31	X	-1.646	-1.646	0	%100
42	M31	Z	0	0	0	%100
43	M32	X	-1.596	-1.596	0	%100
44	M32	Z	0	0	0	%100
45	M33	X	-.673	-.673	0	%100
46	M33	Z	0	0	0	%100
47	M34	X	-.673	-.673	0	%100
48	M34	Z	0	0	0	%100
49	M37	X	-.957	-.957	0	%100
50	M37	Z	0	0	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	0	0	0	%100
53	M39	X	0	0	0	%100
54	M39	Z	0	0	0	%100
55	M40	X	-.657	-.657	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	-.657	-.657	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	0	0	0	%100
61	M139	X	-.692	-.692	0	%100
62	M139	Z	0	0	0	%100
63	M140	X	-1.728	-1.728	0	%100
64	M140	Z	0	0	0	%100
65	M141	X	-.691	-.691	0	%100
66	M141	Z	0	0	0	%100
67	M154	X	0	0	0	%100
68	M154	Z	0	0	0	%100
69	M155	X	-.48	-.48	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
70	M155	Z	0	0	0	%100
71	M156	X	-.48	-.48	0	%100
72	M156	Z	0	0	0	%100
73	M157	X	-.592	-.592	0	%100
74	M157	Z	0	0	0	%100
75	M158	X	0	0	0	%100
76	M158	Z	0	0	0	%100
77	M159	X	-.592	-.592	0	%100
78	M159	Z	0	0	0	%100
79	MP4A	X	-.64	-.64	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	-.64	-.64	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	-.64	-.64	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	-.64	-.64	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	-.64	-.64	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	-.64	-.64	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	-.64	-.64	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-.64	-.64	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	-.64	-.64	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	-.64	-.64	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	-.64	-.64	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-.64	-.64	0	%100
102	MP1B	Z	0	0	0	%100
103	M82	X	-1.212	-1.212	0	%100
104	M82	Z	0	0	0	%100
105	M83	X	-1.212	-1.212	0	%100
106	M83	Z	0	0	0	%100
107	M84A	X	-1.616	-1.616	0	%100
108	M84A	Z	0	0	0	%100
109	M85A	X	-.41	-.41	0	%100
110	M85A	Z	0	0	0	%100
111	M87A	X	-1.212	-1.212	0	%100
112	M87A	Z	0	0	0	%100
113	M88A	X	-1.212	-1.212	0	%100
114	M88A	Z	0	0	0	%100
115	M89A	X	-1.616	-1.616	0	%100
116	M89A	Z	0	0	0	%100
117	M90	X	-.41	-.41	0	%100
118	M90	Z	0	0	0	%100
119	M90A	X	-1.596	-1.596	0	%100
120	M90A	Z	0	0	0	%100
121	M91A	X	-1.596	-1.596	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
122	M91A	Z	0	0	0	%100
123	M92A	X	-1.596	-1.596	0	%100
124	M92A	Z	0	0	0	%100
125	M93A	X	-1.596	-1.596	0	%100
126	M93A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	-1.069	-1.069	0	%100
2	M3	Z	-.617	-.617	0	%100
3	M5	X	-1.069	-1.069	0	%100
4	M5	Z	-.617	-.617	0	%100
5	M7	X	-.777	-.777	0	%100
6	M7	Z	-.449	-.449	0	%100
7	M8	X	-.194	-.194	0	%100
8	M8	Z	-.112	-.112	0	%100
9	M11	X	-.622	-.622	0	%100
10	M11	Z	-.359	-.359	0	%100
11	M12	X	-.178	-.178	0	%100
12	M12	Z	-.103	-.103	0	%100
13	M13	X	-.178	-.178	0	%100
14	M13	Z	-.103	-.103	0	%100
15	M14	X	-1.399	-1.399	0	%100
16	M14	Z	-.808	-.808	0	%100
17	M15	X	-1.399	-1.399	0	%100
18	M15	Z	-.808	-.808	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	M18	X	0	0	0	%100
22	M18	Z	0	0	0	%100
23	M20	X	-.194	-.194	0	%100
24	M20	Z	-.112	-.112	0	%100
25	M21	X	-.194	-.194	0	%100
26	M21	Z	-.112	-.112	0	%100
27	M22	X	-1.055	-1.055	0	%100
28	M22	Z	-.609	-.609	0	%100
29	M23	X	-1.055	-1.055	0	%100
30	M23	Z	-.609	-.609	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	-.711	-.711	0	%100
34	M25	Z	-.411	-.411	0	%100
35	M26	X	-.711	-.711	0	%100
36	M26	Z	-.411	-.411	0	%100
37	M29	X	-1.069	-1.069	0	%100
38	M29	Z	-.617	-.617	0	%100
39	M30	X	-1.175	-1.175	0	%100
40	M30	Z	-.678	-.678	0	%100
41	M31	X	-1.069	-1.069	0	%100
42	M31	Z	-.617	-.617	0	%100
43	M32	X	-.907	-.907	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
44	M32	Z	-.524	-.524	0	%100
45	M33	X	-.194	-.194	0	%100
46	M33	Z	-.112	-.112	0	%100
47	M34	X	-.777	-.777	0	%100
48	M34	Z	-.449	-.449	0	%100
49	M37	X	-.622	-.622	0	%100
50	M37	Z	-.359	-.359	0	%100
51	M38	X	-.178	-.178	0	%100
52	M38	Z	-.103	-.103	0	%100
53	M39	X	-.178	-.178	0	%100
54	M39	Z	-.103	-.103	0	%100
55	M40	X	-.19	-.19	0	%100
56	M40	Z	-.11	-.11	0	%100
57	M41	X	-.759	-.759	0	%100
58	M41	Z	-.438	-.438	0	%100
59	M42	X	-.19	-.19	0	%100
60	M42	Z	-.11	-.11	0	%100
61	M139	X	-1.197	-1.197	0	%100
62	M139	Z	-.691	-.691	0	%100
63	M140	X	-1.197	-1.197	0	%100
64	M140	Z	-.691	-.691	0	%100
65	M141	X	-.3	-.3	0	%100
66	M141	Z	-.173	-.173	0	%100
67	M154	X	-.138	-.138	0	%100
68	M154	Z	-.08	-.08	0	%100
69	M155	X	-.138	-.138	0	%100
70	M155	Z	-.08	-.08	0	%100
71	M156	X	-.554	-.554	0	%100
72	M156	Z	-.32	-.32	0	%100
73	M157	X	-.171	-.171	0	%100
74	M157	Z	-.099	-.099	0	%100
75	M158	X	-.171	-.171	0	%100
76	M158	Z	-.099	-.099	0	%100
77	M159	X	-.684	-.684	0	%100
78	M159	Z	-.395	-.395	0	%100
79	MP4A	X	-.554	-.554	0	%100
80	MP4A	Z	-.32	-.32	0	%100
81	MP3A	X	-.554	-.554	0	%100
82	MP3A	Z	-.32	-.32	0	%100
83	MP2A	X	-.554	-.554	0	%100
84	MP2A	Z	-.32	-.32	0	%100
85	MP1A	X	-.554	-.554	0	%100
86	MP1A	Z	-.32	-.32	0	%100
87	MP4C	X	-.554	-.554	0	%100
88	MP4C	Z	-.32	-.32	0	%100
89	MP3C	X	-.554	-.554	0	%100
90	MP3C	Z	-.32	-.32	0	%100
91	MP2C	X	-.554	-.554	0	%100
92	MP2C	Z	-.32	-.32	0	%100
93	MP1C	X	-.554	-.554	0	%100
94	MP1C	Z	-.32	-.32	0	%100
95	MP4B	X	-.554	-.554	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
96	MP4B	Z	-.32	-.32	0	%100
97	MP3B	X	-.554	-.554	0	%100
98	MP3B	Z	-.32	-.32	0	%100
99	MP2B	X	-.554	-.554	0	%100
100	MP2B	Z	-.32	-.32	0	%100
101	MP1B	X	-.554	-.554	0	%100
102	MP1B	Z	-.32	-.32	0	%100
103	M82	X	-1.399	-1.399	0	%100
104	M82	Z	-.808	-.808	0	%100
105	M83	X	-1.399	-1.399	0	%100
106	M83	Z	-.808	-.808	0	%100
107	M84A	X	-1.055	-1.055	0	%100
108	M84A	Z	-.609	-.609	0	%100
109	M85A	X	-1.055	-1.055	0	%100
110	M85A	Z	-.609	-.609	0	%100
111	M87A	X	-1.399	-1.399	0	%100
112	M87A	Z	-.808	-.808	0	%100
113	M88A	X	-1.399	-1.399	0	%100
114	M88A	Z	-.808	-.808	0	%100
115	M89A	X	-1.055	-1.055	0	%100
116	M89A	Z	-.609	-.609	0	%100
117	M90	X	-1.055	-1.055	0	%100
118	M90	Z	-.609	-.609	0	%100
119	M90A	X	-1.175	-1.175	0	%100
120	M90A	Z	-.678	-.678	0	%100
121	M91A	X	-.907	-.907	0	%100
122	M91A	Z	-.524	-.524	0	%100
123	M92A	X	-1.175	-1.175	0	%100
124	M92A	Z	-.678	-.678	0	%100
125	M93A	X	-.907	-.907	0	%100
126	M93A	Z	-.524	-.524	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M3	X	-.823	-.823	0	%100
2	M3	Z	-1.425	-1.425	0	%100
3	M5	X	-.823	-.823	0	%100
4	M5	Z	-1.425	-1.425	0	%100
5	M7	X	-.337	-.337	0	%100
6	M7	Z	-.583	-.583	0	%100
7	M8	X	-.337	-.337	0	%100
8	M8	Z	-.583	-.583	0	%100
9	M11	X	-.479	-.479	0	%100
10	M11	Z	-.829	-.829	0	%100
11	M12	X	0	0	0	%100
12	M12	Z	0	0	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	0	0	0	%100
15	M14	X	-.606	-.606	0	%100
16	M14	Z	-1.05	-1.05	0	%100
17	M15	X	-.606	-.606	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
18	M15	Z	-1.05	-1.05	0	%100
19	M16	X	-.206	-.206	0	%100
20	M16	Z	-.356	-.356	0	%100
21	M18	X	-.206	-.206	0	%100
22	M18	Z	-.356	-.356	0	%100
23	M20	X	-.337	-.337	0	%100
24	M20	Z	-.583	-.583	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-.205	-.205	0	%100
28	M22	Z	-.355	-.355	0	%100
29	M23	X	-.808	-.808	0	%100
30	M23	Z	-1.399	-1.399	0	%100
31	M24	X	-.12	-.12	0	%100
32	M24	Z	-.207	-.207	0	%100
33	M25	X	-.308	-.308	0	%100
34	M25	Z	-.533	-.533	0	%100
35	M26	X	-.308	-.308	0	%100
36	M26	Z	-.533	-.533	0	%100
37	M29	X	-.206	-.206	0	%100
38	M29	Z	-.356	-.356	0	%100
39	M30	X	-.284	-.284	0	%100
40	M30	Z	-.492	-.492	0	%100
41	M31	X	-.206	-.206	0	%100
42	M31	Z	-.356	-.356	0	%100
43	M32	X	-.13	-.13	0	%100
44	M32	Z	-.225	-.225	0	%100
45	M33	X	0	0	0	%100
46	M33	Z	0	0	0	%100
47	M34	X	-.337	-.337	0	%100
48	M34	Z	-.583	-.583	0	%100
49	M37	X	-.12	-.12	0	%100
50	M37	Z	-.207	-.207	0	%100
51	M38	X	-.308	-.308	0	%100
52	M38	Z	-.533	-.533	0	%100
53	M39	X	-.308	-.308	0	%100
54	M39	Z	-.533	-.533	0	%100
55	M40	X	0	0	0	%100
56	M40	Z	0	0	0	%100
57	M41	X	-.329	-.329	0	%100
58	M41	Z	-.569	-.569	0	%100
59	M42	X	-.329	-.329	0	%100
60	M42	Z	-.569	-.569	0	%100
61	M139	X	-.864	-.864	0	%100
62	M139	Z	-1.496	-1.496	0	%100
63	M140	X	-.346	-.346	0	%100
64	M140	Z	-.599	-.599	0	%100
65	M141	X	-.346	-.346	0	%100
66	M141	Z	-.599	-.599	0	%100
67	M154	X	-.24	-.24	0	%100
68	M154	Z	-.415	-.415	0	%100
69	M155	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
70	M155	Z	0	0	0	%100
71	M156	X	-.24	-.24	0	%100
72	M156	Z	-.415	-.415	0	%100
73	M157	X	0	0	0	%100
74	M157	Z	0	0	0	%100
75	M158	X	-.296	-.296	0	%100
76	M158	Z	-.513	-.513	0	%100
77	M159	X	-.296	-.296	0	%100
78	M159	Z	-.513	-.513	0	%100
79	MP4A	X	-.32	-.32	0	%100
80	MP4A	Z	-.554	-.554	0	%100
81	MP3A	X	-.32	-.32	0	%100
82	MP3A	Z	-.554	-.554	0	%100
83	MP2A	X	-.32	-.32	0	%100
84	MP2A	Z	-.554	-.554	0	%100
85	MP1A	X	-.32	-.32	0	%100
86	MP1A	Z	-.554	-.554	0	%100
87	MP4C	X	-.32	-.32	0	%100
88	MP4C	Z	-.554	-.554	0	%100
89	MP3C	X	-.32	-.32	0	%100
90	MP3C	Z	-.554	-.554	0	%100
91	MP2C	X	-.32	-.32	0	%100
92	MP2C	Z	-.554	-.554	0	%100
93	MP1C	X	-.32	-.32	0	%100
94	MP1C	Z	-.554	-.554	0	%100
95	MP4B	X	-.32	-.32	0	%100
96	MP4B	Z	-.554	-.554	0	%100
97	MP3B	X	-.32	-.32	0	%100
98	MP3B	Z	-.554	-.554	0	%100
99	MP2B	X	-.32	-.32	0	%100
100	MP2B	Z	-.554	-.554	0	%100
101	MP1B	X	-.32	-.32	0	%100
102	MP1B	Z	-.554	-.554	0	%100
103	M82	X	-.606	-.606	0	%100
104	M82	Z	-1.05	-1.05	0	%100
105	M83	X	-.606	-.606	0	%100
106	M83	Z	-1.05	-1.05	0	%100
107	M84A	X	-.205	-.205	0	%100
108	M84A	Z	-.355	-.355	0	%100
109	M85A	X	-.808	-.808	0	%100
110	M85A	Z	-1.399	-1.399	0	%100
111	M87A	X	-.606	-.606	0	%100
112	M87A	Z	-1.05	-1.05	0	%100
113	M88A	X	-.606	-.606	0	%100
114	M88A	Z	-1.05	-1.05	0	%100
115	M89A	X	-.205	-.205	0	%100
116	M89A	Z	-.355	-.355	0	%100
117	M90	X	-.808	-.808	0	%100
118	M90	Z	-1.399	-1.399	0	%100
119	M90A	X	-.284	-.284	0	%100
120	M90A	Z	-.492	-.492	0	%100
121	M91A	X	-.13	-.13	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
122	M91A	Z	-.225	-.225	0	%100
123	M92A	X	-.284	-.284	0	%100
124	M92A	Z	-.492	-.492	0	%100
125	M93A	X	-.13	-.13	0	%100
126	M93A	Z	-.225	-.225	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M7	Y	-.644	-2.552	0	26.155
2	M7	Y	-2.552	-4.46	26.155	52.309
3	M8	Y	-.615	-2.564	0	26.155
4	M8	Y	-2.564	-4.512	26.155	52.309
5	M11	Y	-5.706	-5.706	12.891	33.592
6	M12	Y	-4.598	-4.598	19.3	31
7	M13	Y	-4.61	-4.61	0	11.754
8	M20	Y	-.615	-2.564	0	26.156
9	M20	Y	-2.564	-4.513	26.156	52.311
10	M21	Y	-.644	-2.551	0	26.154
11	M21	Y	-2.551	-4.459	26.154	52.307
12	M24	Y	-5.679	-5.679	12.842	33.642
13	M25	Y	-4.609	-4.609	19.242	30.996
14	M26	Y	-4.598	-4.598	0	11.701
15	M33	Y	-.615	-2.565	0	26.158
16	M33	Y	-2.565	-4.515	26.158	52.315
17	M34	Y	-.624	-2.553	0	26.152
18	M34	Y	-2.553	-4.482	26.152	52.304
19	M37	Y	-5.684	-5.684	12.855	33.603
20	M38	Y	-4.617	-4.617	19.243	30.989
21	M39	Y	-4.599	-4.599	0	11.703

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M7	Y	-1.287	-5.103	0	26.155
2	M7	Y	-5.103	-8.919	26.155	52.309
3	M8	Y	-1.23	-5.127	0	26.155
4	M8	Y	-5.127	-9.024	26.155	52.309
5	M11	Y	-11.412	-11.412	12.891	33.592
6	M12	Y	-9.196	-9.196	19.3	31
7	M13	Y	-9.219	-9.219	0	11.754
8	M20	Y	-1.23	-5.128	0	26.156
9	M20	Y	-5.128	-9.026	26.156	52.311
10	M21	Y	-1.287	-5.103	0	26.154
11	M21	Y	-5.103	-8.918	26.154	52.307
12	M24	Y	-11.358	-11.358	12.842	33.642
13	M25	Y	-9.219	-9.219	19.242	30.996
14	M26	Y	-9.197	-9.197	0	11.701
15	M33	Y	-1.229	-5.129	0	26.158
16	M33	Y	-5.129	-9.029	26.158	52.315
17	M34	Y	-1.248	-5.106	0	26.152
18	M34	Y	-5.106	-8.964	26.152	52.304
19	M37	Y	-11.368	-11.368	12.855	33.603

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
20	M38	Y	-9.233	-9.233	19.243	30.989
21	M39	Y	-9.198	-9.198	0	11.703

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	N56	max	1200.437	10	839.341	19	4901.094	1	.853	19	1.305	4	.409	4
2		min	-1204.066	4	181.369	1	-3101.037	7	.241	1	-1.277	10	-.256	10
3	N55	max	2648.711	11	832.06	23	1906.643	12	.054	2	1.485	8	.652	13
4		min	-4256.427	5	161.969	5	-2810.932	6	-.983	44	-1.496	2	.006	7
5	N57	max	4211.176	9	847.935	15	1353.599	2	.202	11	1.265	12	-.218	7
6		min	-2629.652	3	197.342	9	-2257.932	8	-.825	29	-1.243	6	-.844	13
7	N144	max	512.079	3	1635.89	9	1263.199	9	0	11	0	5	0	5
8		min	-2188.139	9	-361.678	3	-295.669	3	0	5	0	11	0	11
9	N145	max	67.399	10	1707.407	1	701.224	7	0	51	0	9	0	3
10		min	-67.346	4	-431.2	7	-2641.026	1	0	1	0	3	0	9
11	N146	max	2305.935	5	1721.114	5	1331.222	5	0	1	0	1	0	1
12		min	-599.437	11	-425.465	11	-346.114	11	-.001	7	0	7	0	7
13	Totals:	max	5317.08	10	6390.957	14	5367.382	1						
14		min	-5317.161	4	3128.624	8	-5367.423	7						

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

	Memb...	Shape	Code Check	Loc...	LC	Shear C...	Lo...	Dir	LC	phi*...	phi*...	phi*...	phi*.....	Eqn
1	MP2C	PIPE...	.514	69	12	.239	69		12	149...	321...	1.872	1.872	H1...
2	MP3C	PIPE...	.512	69	6	.163	69		4	149...	321...	1.872	1.872	H1...
3	MP3A	PIPE...	.489	69	10	.176	69		8	149...	321...	1.872	1.872	H1...
4	MP2B	PIPE...	.486	69	7	.235	69		8	149...	321...	1.872	1.872	H1...
5	M154	PIPE...	.483	93	7	.273	138		7	683...	321...	1.872	1.872	H3...
6	MP2A	PIPE...	.472	69	10	.236	69		10	149...	321...	1.872	1.872	H1...
7	M155	PIPE...	.469	93	3	.263	138		3	683...	321...	1.872	1.872	H3...
8	M156	PIPE...	.463	93	11	.279	138		11	683...	321...	1.872	1.872	H3...
9	MP3B	PIPE...	.458	69	2	.171	69		12	149...	321...	1.872	1.872	H1...
10	M159	L2.5x...	.434	18....	1	.102	18....	y	8	339...	364...	1.052	2.396	H2...
11	MP1C	PIPE...	.402	69	1	.173	27		3	149...	321...	1.872	1.872	H1...
12	M158	L2.5x...	.369	0	2	.093	0	y	10	339...	364...	1.052	2.396	H2...
13	MP1A	PIPE...	.357	69	5	.203	27		7	149...	321...	1.872	1.872	H1...
14	M18	PL3/8...	.356	0	8	.092	0	y	25	723...	729...	.57	9.113	H1...
15	MP1B	PIPE...	.343	69	9	.180	27		11	149...	321...	1.872	1.872	H1...
16	M157	L2.5x...	.337	18....	11	.095	18....	y	12	339...	364...	1.052	2.396	H2...
17	MP4A	PIPE...	.335	69	9	.173	69		6	149...	321...	1.872	1.872	H1...
18	MP4B	PIPE...	.324	69	1	.167	69		10	149...	321...	1.872	1.872	H1...
19	MP4C	PIPE...	.323	69	6	.169	69		8	149...	321...	1.872	1.872	H1...
20	M31	PL3/8...	.308	0	4	.080	0	y	10	723...	729...	.57	9.113	H1...
21	M5	PL3/8...	.297	0	12	.101	0	y	30	723...	729...	.57	9.113	H1...
22	M16	PL3/8...	.294	0	1	.145	0	y	22	723...	729...	.57	9.113	H1...
23	M29	PL3/8...	.255	0	10	.136	0	y	18	723...	729...	.57	9.113	H1...
24	M3	PL3/8...	.250	0	12	.139	0	y	14	723...	729...	.57	9.113	H1...
25	M30	PL3/8...	.236	2.183	6	.175	0	y	13	703...	729...	.57	9.113	H1...
26	M92A	PL3/8...	.235	2.181	11	.177	0	y	17	703...	729...	.57	9.113	H1...
27	M93A	PL3/8...	.234	2.186	12	.230	0	y	41	703...	729...	.57	9.113	H1...

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

	Memb...	Shape	Code Check	Loc...	LC	Shear C...	Lo...	Dir	LC	phi*...	phi*...	phi*...	phi*.....		Eqn
28	M91A	PL3/8...	.224	2.136	4	.204	0	y	20	703...	729...	.57	9.113	...	H1...
29	M90A	PL3/8...	.224	2.178	3	.216	0	y	33	703...	729...	.57	9.113	...	H1...
30	M32	PL3/8...	.216	2.137	8	.206	0	y	13	703...	729...	.57	9.113	...	H1...
31	M14	PL1/2...	.174	0	5	.091	5.9...	y	8	935...	972...	1.012	12.15	...	H1...
32	M21	L2x2x3	.172	0	6	.010	0	y	20	156...	233...	.558	1.185	...	H2...
33	M87A	PL1/2...	.170	0	9	.079	6	y	1	935...	972...	1.012	12.15	...	H1...
34	M82	PL1/2...	.153	0	1	.071	0	y	10	935...	972...	1.012	12.15	...	H1...
35	M8	L2x2x3	.149	0	10	.009	52....	z	1	156...	233...	.558	1.186	...	H2...
36	M83	PL1/2...	.149	0	1	.059	0	y	2	935...	972...	1.012	12.15	...	H1...
37	M39	HSS4...	.147	0	14	.051	26....	z	2	102...	103...	11.96	11.96	...	H1...
38	M13	HSS4...	.143	0	22	.052	26....	z	10	102...	103...	11.96	11.96	...	H1...
39	M26	HSS4...	.143	0	18	.052	26....	z	6	102...	103...	11.96	11.96	...	H1...
40	M40	PIPE...	.140	93	6	.103	93		2	301...	652...	5.749	5.749	...	H1...
41	M33	L2x2x3	.139	0	3	.010	52....	y	20	156...	233...	.558	1.221	...	H2...
42	M15	PL1/2...	.138	0	5	.090	6.0...	y	1	935...	972...	1.012	12.15	...	H1...
43	M42	PIPE...	.137	93	10	.110	4.5		7	301...	652...	5.749	5.749	...	H1...
44	M7	L2x2x3	.137	52....	10	.009	0	y	18	156...	233...	.558	1.217	...	H2...
45	M12	HSS4...	.136	31	32	.047	4.8...	y	33	102...	103...	11.96	11.96	...	H1...
46	M41	PIPE...	.136	93	2	.101	4.5		11	301...	652...	5.749	5.749	...	H1...
47	M25	HSS4...	.136	30....	16	.043	4.8...	z	4	102...	103...	11.96	11.96	...	H1...
48	M38	HSS4...	.135	30....	24	.044	4.8...	z	12	102...	103...	11.96	11.96	...	H1...
49	M20	L2x2x3	.133	52....	6	.009	0	z	1	156...	233...	.558	1.239	...	H2...
50	M24	HSS4...	.133	62....	2	.077	62....	y	44	121...	127...	14.7...	14.7...	...	H1...
51	M88A	PL1/2...	.128	0	9	.074	6	y	5	935...	972...	1.012	12.15	...	H1...
52	M34	L2x2x3	.128	52....	12	.010	52....	y	17	156...	233...	.558	1.239	...	H2...
53	M37	HSS4...	.119	62....	4	.067	62....	z	4	121...	127...	14.7...	14.7...	...	H1...
54	M11	HSS4...	.116	62....	6	.069	62....	z	12	121...	127...	14.7...	14.7...	...	H1...
55	M85A	PL1/2...	.069	1.992	1	.135	0	y	2	959...	972...	1.012	12.15	...	H1...
56	M23	PL1/2...	.064	1.99	5	.167	0	y	7	959...	972...	1.012	12.15	...	H1...
57	M89A	PL1/2...	.063	1.739	9	.123	0	y	7	959...	972...	1.012	12.15	...	H1...
58	M22	PL1/2...	.061	1.7	11	.121	0	y	3	959...	972...	1.012	12.15	...	H1...
59	M84A	PL1/2...	.060	1.698	1	.122	0	y	11	959...	972...	1.012	12.15	...	H1...
60	M90	PL1/2...	.060	1.995	9	.138	0	y	11	959...	972...	1.012	12.15	...	H1...
61	M141	LL2.5...	.055	0	5	.006	0	z	8	580...	771...	5.321	3.332	1	H1...
62	M140	LL2.5...	.054	0	1	.005	0	z	4	580...	771...	5.321	3.332	1	H1...
63	M139	LL2.5...	.052	0	9	.005	55....	z	12	580...	771...	5.321	3.332	1	H1...

Connection Check Summary	
Site Name	Canterbury South Ct- B
Site ID	
NB+C Project No.	

Connection Properties			
Plate Properties			
Thickness	t		in
Plate length			in
Plate Grade	$_{y}$		ksi
Connected Part Dimensions	Width		in
	Height		in
Horizontal Bolt Separation	d_x		in
Vertical Bolt Separation	d_y		in
Bolt Properties			
Bolt Grade			
Bolt Diameter	d_b		in
Number of Bolts	$_{b}$		Bolts
Weld Properties			
Weld Shape		Square	
Standoff Arm Height	d		in
Standoff Arm Width	b		in
Fillet Weld Size			in

Member End Reactions			
Shear			lbs
			lbs
Tension			lbs
Bending			k-ft
			k-ft
Torsion			k-ft

Connection Capacities (% Usage)			
Plate Capacity	Shear		**Pass**
	Bending		**Pass**
Bolt Capacity	Shear		**Pass**
	Tension		**Pass**
Weld Capacity	% Usage		**Pass**

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

Contractor is responsible for making certain the photos provided as noted below provide confirmation that the installation was completed in accordance with this Passing Mount Analysis.

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

Base Requirements:

Any special photos outside of the standard requirements will be indicated on the passing MA
Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed contact Network Building + Consulting immediately.
Each photo should be time and date stamped
Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
The photos in the file structure should be uploaded to ***https://pmi.vzwsmart.com*** as depicted on the drawings

Photo Requirements:

Base and "During Installation Photos"

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

Photos taken at ground level

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

Photos taken at Mount Elevation

- Photos showing each individual sector before and also after installation of 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 safety climb wire rope above and below the mount prior to modification.
- 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 _____

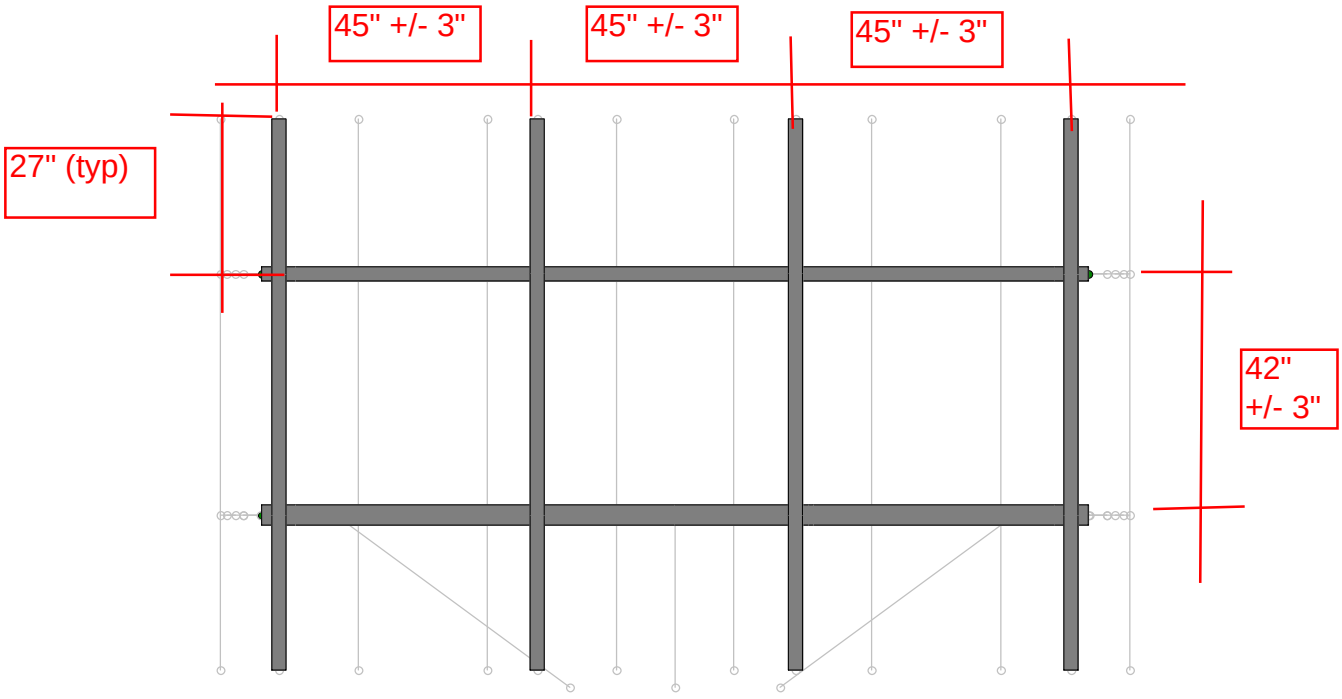
Special Instructions / Validation as required from the MA or any other information the contractor deems necessary to share that was identified:

Issue:

1. Contractor shall verify all dimensions and member sizes shown in the mount geometry verification requirements section of the mount analysis report. Contact EOR if these documents are not available to the general contractor.
2. Contractor to install safety climb cable guide (Site Pro 1, Part #: 120-203-317 or EOR approved equivalent) in locations where wire rope is rubbing against mount to tower attachments. Contractor to provided photos of safety climb cable guide installation.
3.The existing platform mount is assumed to be Site Pro Part #: RMQP-496-HK. Contractor to verify that the above listed mount is installed per the construction drawings listed under sources of information.

Response:

The existing platform mount is assumed to be Site Pro Part #: RMQP-496-HK. Contractor to verify that the above listed mount is installed per the construction drawings listed under sources of information.



CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND MEMBER SIZES SHOWN IN THIS SKETCH. DOCUMENT ALL VARIATIONS OR DEVIATIONS VIA PHOTOS AND SKETCHES AND PROVIDE TO THE EOR FOR EVALUATION

Envelope Only Solution

Network Building + Consu...		SK - 4
CBB	469262-VZW_MT_LO_H	Aug 2, 2021 at 5:17 PM
100820	Front View	469262-VZW_MT_LO_H.r3d

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

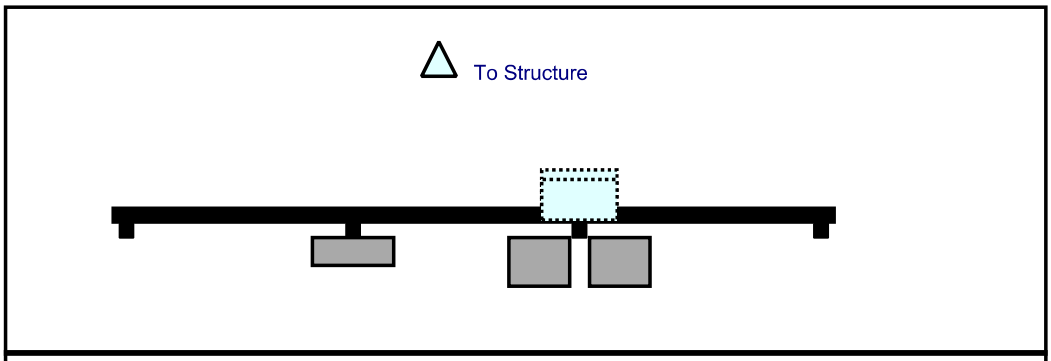
Structure: 469262-VZW - CANTERBURY SOUTH CT - B

Sector: **A** 8/5/2021

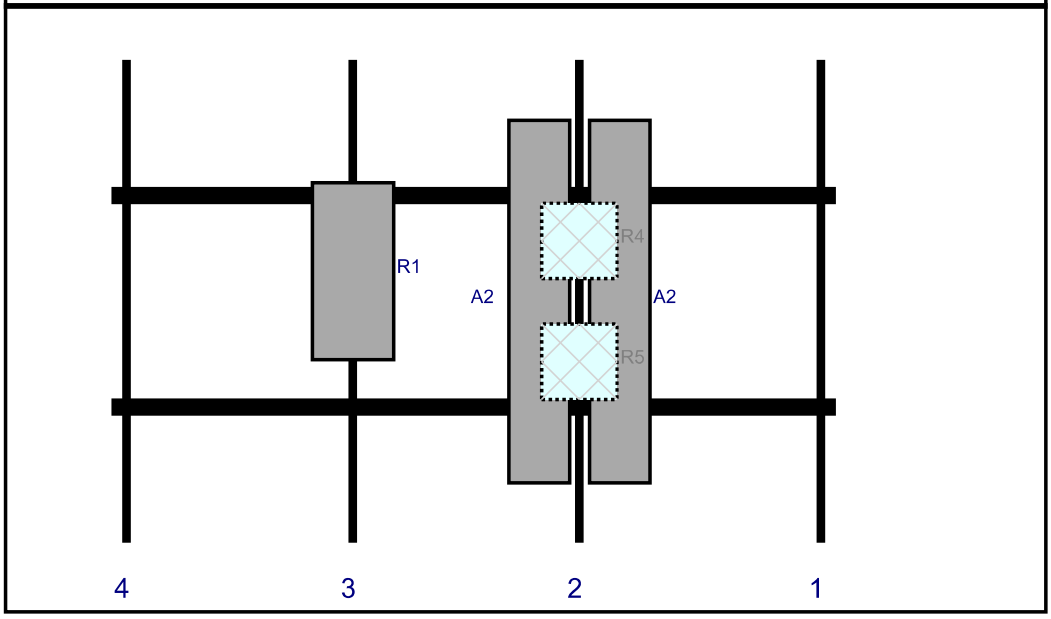
Structure Type: Monopole 10071855

Mount Elev: 157.00 Page: 1

Plan View



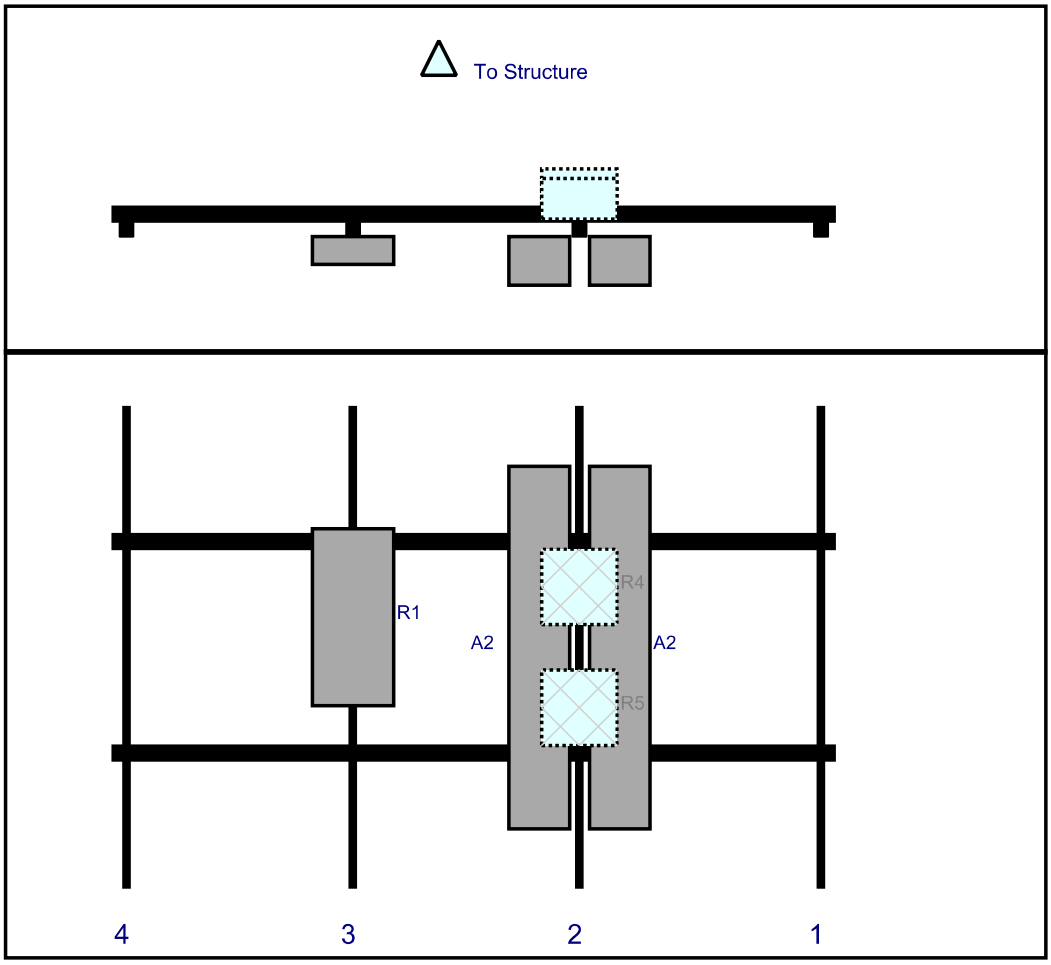
Front View
Looking at Structure



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
A2	QS6656-5	72	12	93	2	a	Front	48	8	Retained	
A2	QS6656-5	72	12	93	2	b	Front	48	-8	Retained	
R4	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	93	2	a	Behind	36	0	Retained	
R5	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	93	2	b	Behind	60	0	Retained	
R1	MT6407-77A	35.1	16.1	48	3	a	Front	42	0	Added	

Plan View

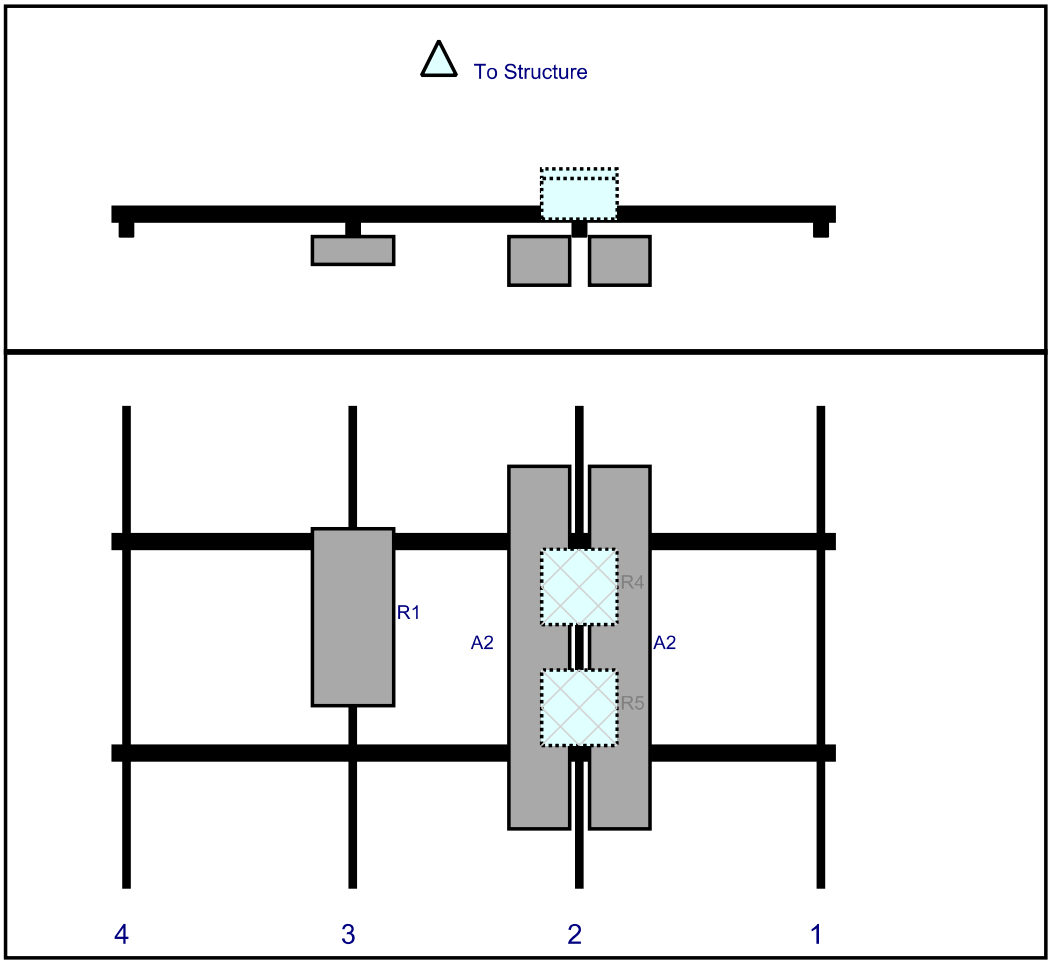
Front View
Looking at Structure



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
A2	QS6656-5	72	12	93	2	a	Front	48	8	Retained	
A2	QS6656-5	72	12	93	2	b	Front	48	-8	Retained	
R4	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	93	2	a	Behind	36	0	Retained	
R5	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	93	2	b	Behind	60	0	Retained	
R1	MT6407-77A	35.1	16.1	48	3	a	Front	42	0	Added	

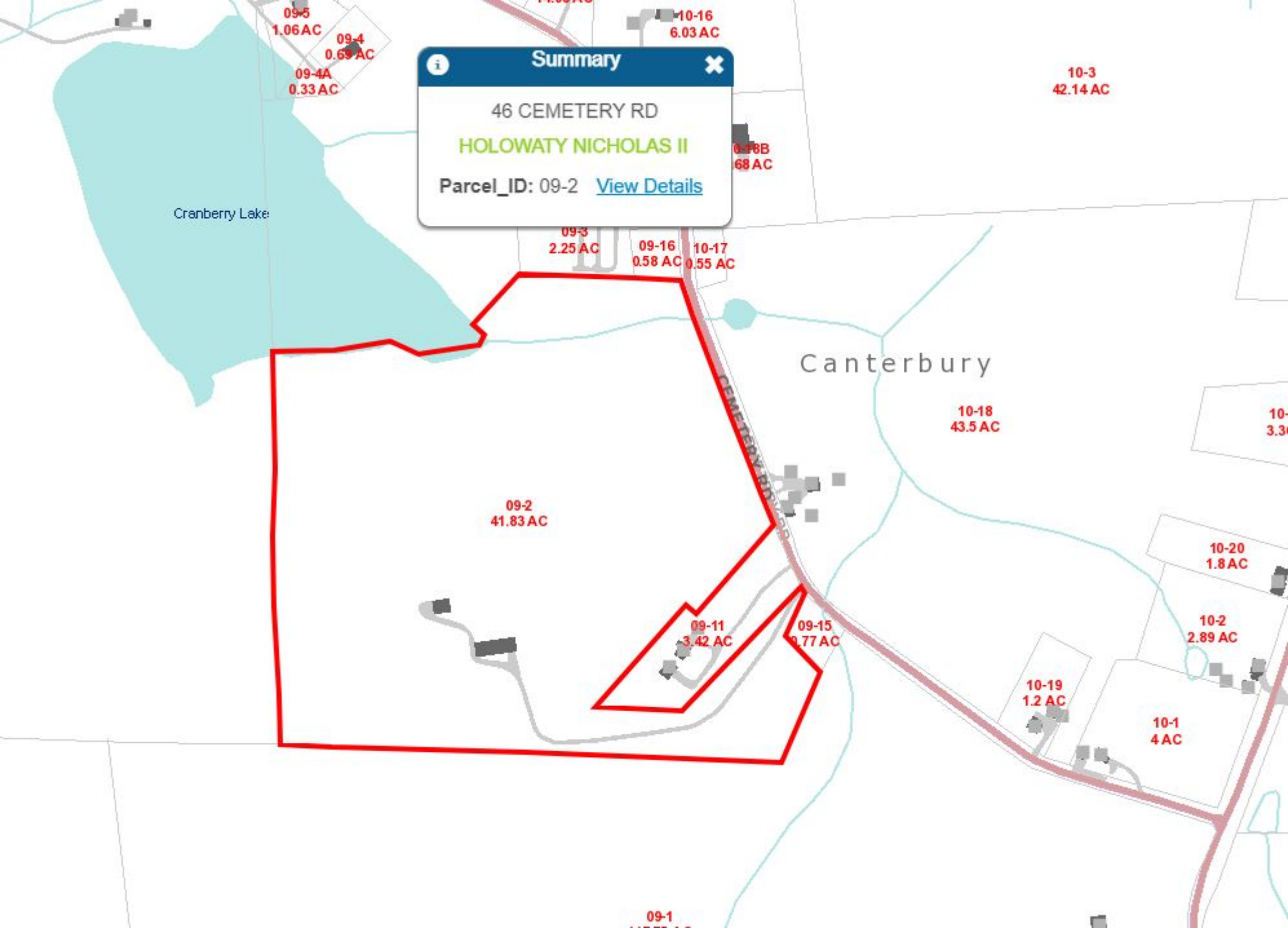
Plan View

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
A2	QS6656-5	72	12	93	2	a	Front	48	8	Retained	
A2	QS6656-5	72	12	93	2	b	Front	48	-8	Retained	
R4	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	93	2	a	Behind	36	0	Retained	
R5	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	93	2	b	Behind	60	0	Retained	
R1	MT6407-77A	35.1	16.1	48	3	a	Front	42	0	Added	

ATTACHMENT 5


Summary
46 CEMETERY RD
HOLOWATY NICHOLAS II
Parcel_ID: 09-2 View Details
Cranberry Lake
Canterbury
CEMETERY RD
09-5
1.06 AC
09-4
0.69 AC
09-4A
0.33 AC
10-16
6.03 AC
10-3
42.14 AC
09-3
2.25 AC
09-16
0.58 AC
10-17
0.55 AC
09-2
41.83 AC
10-18
43.5 AC
10-20
1.8 AC
10-2
2.89 AC
09-11
3.42 AC
09-15
10-19
1.2 AC
10-1
4 AC
09-1

CANTERBURY,CT

46 CEMETERY RD

Location
46 CEMETERY RD
Mblu
9/ 2/ / /
Acct#
00224500
Owner
HOLOWATY NICHOLAS II
Assessment
$511,400
Appraisal
$802,500
PID
357
Building Count
1
Dev Lot
Survey Map
TCM765
Census Tract 9061

9061

Current Value

Appraisal

Valuation Year	Improvements	Land	Total
2020	$413,800	$388,700	$802,500

Assessment

Valuation Year	Improvements	Land	Total
2020	$289,700	$221,700	$511,400

Owner of Record

Owner HOLOWATY NICHOLAS II
Co-Owner
Address 46 CEMETERY RD
CANTERBURY, CT 06331
Sale Price $105,000
Certificate
Book & Page 115/ 463
Sale Date 08/11/2000
Instrument 00

Ownership History

Ownership History

Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
HOLOWATY NICHOLAS II	$105,000		115/ 463	00	08/11/2000
DEAN THEODORE G ESTATE OF& DEAN BEVERLY	$0		99/1185		06/22/1994

Building Information
Building 1 : Section 1
Year Built: 2007
Living Area: 2,043
Replacement Cost: $248,886

ATTACHMENT 6

CANTERBURY SOUTH

Certificate of Mailing — Firm

UNITED STATES POSTAL SERVICE®

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 10/11/2021 US POSTAGE $002.99 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.	Christopher Lippke, First Selectman Town of Canterbury 1 Municipal Drive Canterbury, CT 06331				
2.	Melissa Gil, Zoning/Wetlands Enforcement Officer Town of Canterbury 1 Municipal Drive Canterbury, CT 06331				
3.	Nicholas Holowaty II 46 Cemetery Road Canterbury, CT 06331				
4.					
5.					
6.					

OLD STATE HOUSE STATION 06103 OCT 12 2021 USPS