

February 14, 2024

Via Hand Delivery

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

Re: Request of Cellco Partnership d/b/a Verizon Wireless for an Order to Approve the Shared Use of an Existing Tower at 459 Burr Road, Southbury, Connecticut

Dear Attorney Bachman:

Pursuant to Connecticut General Statutes (“C.G.S.”) §16-50aa, as amended, Cellco Partnership d/b/a Verizon Wireless (“Cellco”) hereby requests an order from the Siting Council (“Council”) to approve the shared use of an existing telecommunications tower located on a 36.3-acre parcel at 459 Burr Road in Southbury (the “Property”). The Property is owned by Holly Hageman (“Property Owner”). The tower is owned by SBA. Cellco identifies this site as its “Southbury South 2 Facility”. The existing tower was approved by the Siting Council in January of 2006 (Docket No. 222A). A copy of the Docket No. 222a Decision and Order is included in Attachment 1.

Cellco requests that the Council find that the proposed shared use of the existing tower satisfies the criteria of C.G.S § 16-50aa and issue an order approving this request. A copy of this filing is being sent to Southbury’s First Selectman and Land Use Administrator, SBA and the Property Owner.

Background

Cellco is licensed by the Federal Communications Commission (“FCC”) to provide wireless services throughout the State of Connecticut. Cellco and SBA have agreed to the proposed shared use of the 459 Burr Road tower pursuant to mutually acceptable terms and

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conditions. Likewise, SBA and Cellco have agreed to the proposed installation of equipment on the ground near the base of the tower. SBA has authorized Cellco to apply for all necessary permits and approvals that may be required to share the existing tower. (See Attachment 2).

Cellco proposes to install eleven (11) antennas and eight (8) remote radio heads (“RRHs”) on an existing antenna platform, formerly occupied by Sprint, at a centerline height of 137 feet above ground level (“AGL”). Cellco will also install two equipment cabinet and a diesel-fueled backup generator on a concrete pad on the ground in the northeast corner of the existing facility compound. Included in Attachment 3 is a set of project plans showing the location of Cellco’s proposed site improvements. Attachment 4 contains specifications for Cellco’s proposed antennas, RRHs and backup generator.

C.G.S. § 16-50aa(c)(1) provides that, upon written request for approval of a proposed shared use, “if the council finds that the proposed shared use of the facility is technically, legally, environmentally and economically feasible and meets public safety concerns, the council shall issue an order approving such shared use.” Cellco respectfully submits that the shared use of the tower satisfies these criteria.

A. Technical Feasibility. The existing tower is structurally capable of supporting Cellco’s antennas, RRHs attached to the existing antenna platform, new antenna mounts and all related equipment. The proposed shared use of this tower is, therefore, technically feasible. A Structural Analysis (“SA”) dated January 30, 2024, prepared by Tower Engineering Solutions confirms that the tower can support Cellco’s proposed antennas and related equipment. Likewise, a New/Replacement Antenna Mount Analysis Report (“MA”) dated January 8, 2024, prepared by Colliers Engineering and Design also confirms that the new antenna mounting system can support Cellco’s proposed shared use. Copies of the SA and MA are included in Attachment 5.

B. Legal Feasibility. Under C.G.S. § 16-50aa, the Council has been authorized to issue orders approving the shared use of an existing tower, such as the existing 459 Burr Road tower. This authority complements the Council’s prior-existing authority under C.G.S. § 16-50p to issue orders approving the construction of new towers that are subject to the Council’s jurisdiction. In addition, § 16-50x(a) directs the Council to “give such consideration to other state laws and municipal regulations as it shall deem appropriate” in ruling on requests for the shared use of existing tower facilities. Under the statutory authority vested in the Council, an order by the Council approving the requested shared use would permit the Applicant to obtain a building permit for the proposed installations.

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C. **Environmental Feasibility.** The proposed shared use of the existing tower would have minimal environmental effects, for the following reasons:

1. The proposed installation of eleven (11) antennas and eight (8) RRHs on an existing antenna platform at the 137-foot level on the existing 149-foot tower would have an insignificant incremental visual impact on the area around the Property. All of Cellco's ground-mounted equipment will be located within a fenced facility compound near the base of the tower. Cellco's shared use of the existing tower would, therefore, not cause any significant change or alteration in the physical or environmental characteristics of the existing facility.
2. Noise associated with Cellco's proposed facility will comply with State and local noise standards. Noise associated with the backup generator is exempt from these same standards.
3. Operation of Cellco's antennas at this site would not exceed the RF emissions standards adopted by the Federal Communications Commission ("FCC"). Included in Attachment 6 of this filing is a Calculated Radio Frequency Emissions Report that demonstrates that the modified facility will operate well within the FCC's safety standards.
4. Under ordinary operating conditions, the proposed installation would not require the use of any water or sanitary facilities and would not generate air emissions or discharges to water bodies or sanitary facilities. After construction is complete the proposed installations would not generate any increased traffic to the facility other than periodic maintenance visits to the cell site.

The proposed shared use of the existing tower would, therefore, have a minimal environmental effect, and is environmentally feasible.

D. **Economic Feasibility.** As previously mentioned, Cellco has entered into an agreement with SBA for the shared use of the existing tower subject to mutually agreeable terms. The proposed tower sharing is, therefore, economically feasible.

E. **Public Safety Concerns.** As discussed above, the tower and foundation are structurally capable of supporting Cellco's antennas, new antenna mounts, RRHs and all related equipment. Cellco is not aware of any public safety concerns relative to the proposed sharing of

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the existing 459 Burr Road tower. In fact, the provision of new and improved wireless service through Cellco's shared use of the existing tower would enhance the safety and welfare of area residents and members of the general public traveling through the Town of Southbury.

A Certificate of Mailing verifying that a copy of this filing was sent to the municipal officials, SBA, and the Property Owner is included in Attachment 7.

Conclusion

For the reasons discussed above, the proposed shared use of the existing tower at the Property satisfies the criteria stated in C.G.S. § 16-50aa and advances the General Assembly's and the Council's goal of preventing the unnecessary proliferation of towers in Connecticut. The Applicant, therefore, respectfully requests that the Council issue an order approving the proposed shared use.

Thank you for your consideration of this matter.

Very truly yours,



Kenneth C. Baldwin

Enclosures

Copy to:

Jeff Manville, First Selectman
Jordan Marcinko, Land Use Administrator
SBA, Tower Owner
Holly Hageman, Property Owner
Tim Parks, Verizon Wireless

ATTACHMENT 1

DOCKET NO. 222A - Optasite, Inc. Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a wireless telecommunications facility at 459 Burr Road, Southbury, Connecticut.	}	Connecticut
	}	Siting
	}	Council
		January 4, 2006

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish 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 Optasite Inc., hereinafter referred to as the Certificate Holder, for a telecommunications facility at 459 Burr Road, Southbury, Connecticut.

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, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of New Cingular Wireless PCS, LLC, Sprint Spectrum L.P., Omnipoint Communications Inc. and other entities, both public and private, but such tower shall not exceed a height of 150 feet above ground level. Antennas mounted on the tower shall not exceed a height of 150 feet above ground level.
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 Southbury 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. a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment compound, access road, utility line, and landscaping; and
 - b. construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.
3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of 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 electromagnetic radio frequency power density is 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 State or 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. The Certificate Holder shall provide reasonable space on the tower for no compensation, for any Town of Southbury public safety services (police, fire and medical services), provided such use can be accommodated and is compatible with the structural integrity of the tower.

7. If the facility authorized herein is not fully constructed and providing wireless services 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.

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 before any such use is made.

9. The Certificate Holder shall remove any nonfunctioning antenna, and associated antenna mounting equipment, within 60 days of the date the antenna ceased to function.

10. Any request for extension of the time periods referred to in Conditions 7, 8, & 9 shall be filed with the Council not later than sixty 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 Southbury. Any proposed modifications to this Decision and Order shall likewise be so served.

11. 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.

Pursuant to General Statutes § 16-50p, the Council hereby directs that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in The Voices and the Waterbury Republican-American.

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.

The parties and intervenors to this proceeding are:

<p><u>Certificate Holder</u></p> <p>Optasite Inc.</p>	<p><u>Its Representative</u></p> <p>Christopher B. Fisher Cuddy & Feder LLP 90 Maple Avenue White Plains, New York 10601-5196</p> <p>Jennifer Young Gaudet 345 Taylor Street Talcottville CT 06066</p>
<p><u>Party</u></p> <p>Jeff Ryer 679 Jacob Road, Southbury, CT 06488</p>	<p><u>Its Representative</u></p> <p>Monte E. Frank Cohen and Wolf, P.C. 158 Deer Hill Avenue Danbury, CT 06810</p>
<p><u>Intervenor</u></p> <p>New Cingular Wireless PCS, LLC</p>	<p><u>Its Representative</u></p> <p>Wendell G. Davis Blackwell, Davis & Spadaccini, LLC 158 East Center Street Manchester, CT 06040</p>
<p><u>Intervenor</u></p> <p>Omnipoint Communications, Inc.</p>	<p><u>Its Representative</u></p> <p>Kenneth Ira Spigle, Esq. Attorney At Law 687 Highland Avenue, Suite 1 Needham, MA 02494</p>
<p><u>Intervenor</u></p> <p>Sprint Spectrum, L.P. d/b/a Sprint PCS</p>	<p><u>Its Representative</u></p> <p>Meredith Denecke Cacace, Tusch & Santagata 777 Summer Street P.O. Box 15859 Stamford, CT 06901</p>

ATTACHMENT 2



SBA Communications Corporation
134 Flanders Road
Suite 125
Westborough, MA 01581

T + 508.251.0720
F + 508.251.1755

sbasite.com

LETTER OF AUTHORIZATION

SBA ID / NAME: CT13058-A / SOUTHURY SOUTH 2 CT
SITE ADDRESS: 459 Burr Road, Southbury, CT 06488
LICENSEE: Celco Partnership d/b/a Verizon Wireless

I, Kierstyn Ferreira, Site Development Services Specialist I for SBA Communications¹, owner of the telecommunications facility identified above, do hereby authorize Celco Partnership d/b/a Verizon Wireless, its successors and assignees, and/or its agent (collectively "the Licensee"), to act as SBA Communications' non-exclusive agent for the sole purpose of filing and consummating any land-use or building permit applications(s) as may be required by the applicable permitting authorities for Licensee's telecommunications' installation.

We understand that this application may be denied, modified, or approved with conditions. The above authorization is limited to the acceptance by the Licensee only of conditions related to the Licensee's installation, and any such conditions of approval or modifications will be Licensee's sole responsibility.

SBA COMMUNICATIONS CORP.

BY: Kierstyn Ferreira
KIERSTYN FERREIRA
Site Development Services Specialist I

NOTARY BLOCK

STATE OF NEW JERSEY)
) ss.
COUNTY OF WARREN)

On this 1st day of February, 2024, before me, HUGO FERREIRA, Notary Public in and for said county, personally appeared, KIERSTYN FERREIRA, known to me (or who has satisfactorily identified herself) as the signer to the above-referenced document.

Hugo Ferreira
Notary Public, State of New Jersey
My Commission Expires: August 16, 2027



¹ SBA Communications Corp. includes all of the "SBA Tower Entities"

ATTACHMENT 3



20 ALEXANDER DRIVE, 2nd FLOOR
WALLINGFORD, CT 06492

SOUTHBURY SOUTH 2 CT

459 BURR ROAD
SOUTHBURY, CT 06488
NEW HAVEN COUNTY

PROJECT TYPE: WIRELESS TELECOMMUNICATIONS
COLLOCATION ON EXISTING 150'± MONOPOLE

SITE INFORMATION

VERIZON LOCATION CODE: 47859
SOUTHBUARY SOUTH 2 CT
CT 06488-A
SOUTHBUARY
SOUTHBUARY, VT
542648288
218 BURR ROAD
459 BURR ROAD
SOUTHBUARY, CT 06488
SOUTHBUARY, CT 06488
SMA TOWER INC. LLC
459 BURR ROAD
SOUTHBUARY, CT 06488
PHONE: 861 228 0220
NEW HAVEN, CT
RESIDENTIAL
MONOPOLE
150'±
782 ±
08 ±
N 41° 50' 55" W 71.14877' (ROAD 18)
W 73° 10' 57" S 71.14877' (ROAD 18)
CHIFFPELL ENGINEERING ASSOCIATES, LLC
201 BOSTON POST ROAD WEST, SUITE 101
MIDDLETOWN, MA 01752

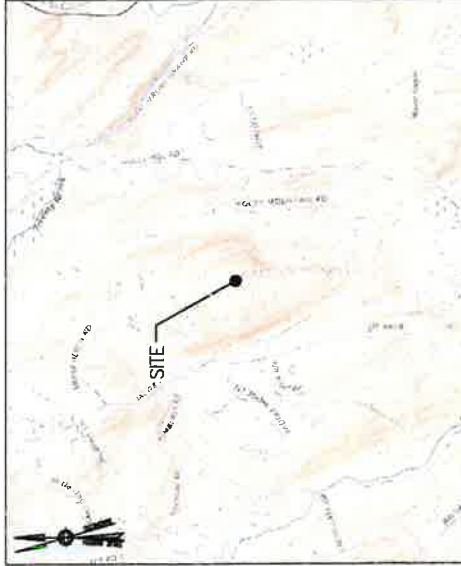
GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON OR FOR SITE. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. FAILURE TO NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES AT THE CONTRACTORS EXPENSE.
- NEW CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES.
 - ELECTRICAL CODE: 2008 NATIONAL ELECTRICAL CODE
 - STRUCTURAL CODE: 2008 INTERNATIONAL STRUCTURAL STANDARDS FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS

AT LEAST 72 HOURS PRIOR TO BEGINNING THE CONTRACTOR IS REQUIRED TO CALL 800-SPE-CT-811

VICINITY MAP

SCALE: 1"=1000'



DRIVING DIRECTIONS

FROM WALLINGFORD, TAKE CT 88 WEST. TURN RIGHT TOWARD US 50 CT 15. TURN RIGHT ONTO NORTH COLONY ROAD. TAKE CT 15 WEST TOWARD MIDDLETOWN WATERBURY. USE LEFT 2 LANES TO TAKE EXIT UP FOR 104 WEST TOWARD CT 189 SOUTH. TURN LEFT ONTO CT 189 SOUTH AT CT 80 SOUTH. TURN RIGHT ONTO CT 189 SOUTH. TURN RIGHT ONTO HILLS FALL ROAD. TURN RIGHT ONTO BURR ROAD. SITE IS LOCATED ON THE RIGHT HAND SIDE.

SUPPORTING DOCUMENTS

- INDOOR FREQUENCY (RF) DESIGN DATE: 12/20/20
- ANTENNA MOUNT STRUCTURAL ANALYSIS DATE: 1/15/21 (BY COLLEEN ENGINEERING & DESIGN)
- ANTENNA SUPPORT STRUCTURE MONOPOLE STRUCTURAL ANALYSIS DATE: 01/20/21 (BY TOWER ENGINEERING SOLUTIONS)



REV.	DATE	DESCRIPTION	BY	CHK
1	04/17/21	ISSUED FOR CONSTRUCTION	CE	CE
2	04/17/21	ISSUED FOR PERMIT	CE	CE

PROJECT NAME & NUMBER
SOUTHBURY SOUTH 2 CT
459 BURR ROAD
SOUTHBUARY, CT 06488

NEW LOCATION CODE:	47859
OLD LOCATION IS:	06488-00000000
PERMIT PROJECT #:	20200000

TITLE SHEET

SHEET NUMBER
T01

SHEET INDEX

DWG.	DESCRIPTION	REV.
T01	TITLE SHEET	
G001	GENERAL NOTES	
A01	SITE PLAN	
A02	CONCRETE & EQUIPMENT PLAN	
A03	TOWER ELEVATIONS & ANTENNA PLAN	
A04	ANTENNA DETAILS	
A05	EQUIPMENT DETAILS	
A06	ICE CONCEPT & II FRAME DETAILS	
A07	RF DATA	
A08	RF FLUWING DIAGRAM	
A09	RF COLOR CODE SPECIFICATIONS	
E01	ELECTRICAL SPECIFICATIONS & NOTES	
D02	EQUIPMENT COMPOUND UTILITY PLAN & DETAILS	
E03	ELECTRICAL/TELECOM DIAGRAMS & PANEL SCHEDULE	
E04	SCHEMATIC GROUNDING PLAN & RISEN DIAGRAM	
E05	GROUNDING DETAILS	

DO NOT SCALE DRAWINGS

ALL PLANS, EXISTING DIMENSIONS AND CONDITIONS AT THE PROPOSED PROJECT SITE SHALL BE REPRESENTATIVE TO THE PROPOSED WORK. ANY DISCREPANCIES IDENTIFIED PRIOR TO PROCEEDING WITH THE PROPOSED WORK AFFECTED BY SUCH DISCREPANCIES IN THE EVENT OF SUCH DISCREPANCIES, THE CONTRACTOR SHALL BECOME THE RESPONSIBILITY OF THE PREVAILING CONTRACTOR RESPONSIBLE FOR CONSTRUCTION.

PROJECT DESCRIPTION

- THIS IS AN UNBARRICADED WIRELESS ACCESS POINT (WAP) LOCATION AND WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNAL FOR THE PURPOSE OF PROVIDING PUBLIC WIRELESS TELECOMMUNICATIONS SERVICE.
- THIS FACILITY DOES NOT, NOR WILL IT, CONSUME UNRECOVERABLE ENERGY.
- NO WASTE WATER IS OR WILL BE GENERATED AT THIS LOCATION.
- NO SOLID WASTE IS OR WILL BE GENERATED AT THIS LOCATION.

SCOPE OF WORK

- INSTALL:
- 1 L1/E SQUARE MONOPOLE PLATFORM
 - 1 6' SIDE ANTENNA MOUNT NTS
 - 1 11" X 12" X 2" ICE CANOPY
 - 8 BUNDLES
 - 1 JUNCTION BOX
 - 1 150W DIESEL GENERATOR
 - 1 1000W AC POWER SUPPLY
 - 2 1000W AC UNASSIGNED ADMITTERS
 - 1 100W TRANSFER LOAD CENTER



20 ALBANY ST., 2ND FLOOR
ALBANY, NY 12207
(518) 741-7338



SBA COMMUNICATIONS CORP.
135 PARKWAY ROAD, SUITE 125
SOUTH BURY, CT 06488
(860) 251-0720



CHAPPELL ASSOCIATES, LLC
ENGINEERS
A.J. BRODIE CORP.
100 W. MAIN ST., SUITE 101
SOUTH BURY, CT 06488
(860) 381-7400
www.chappellassociates.com



DESIGNED BY:	ART		
APPROVED BY:	ART		
SUBMITTALS			
NO.	DATE	DESCRIPTION	BY
1	10/27/10	FOR CONSTRUCTION	ART
2	10/27/10	FOR REVIEW	ART

SOUTH BURY SOUTH
2 CT
459 BURN ROAD
SOUTH BURY, CT 06488

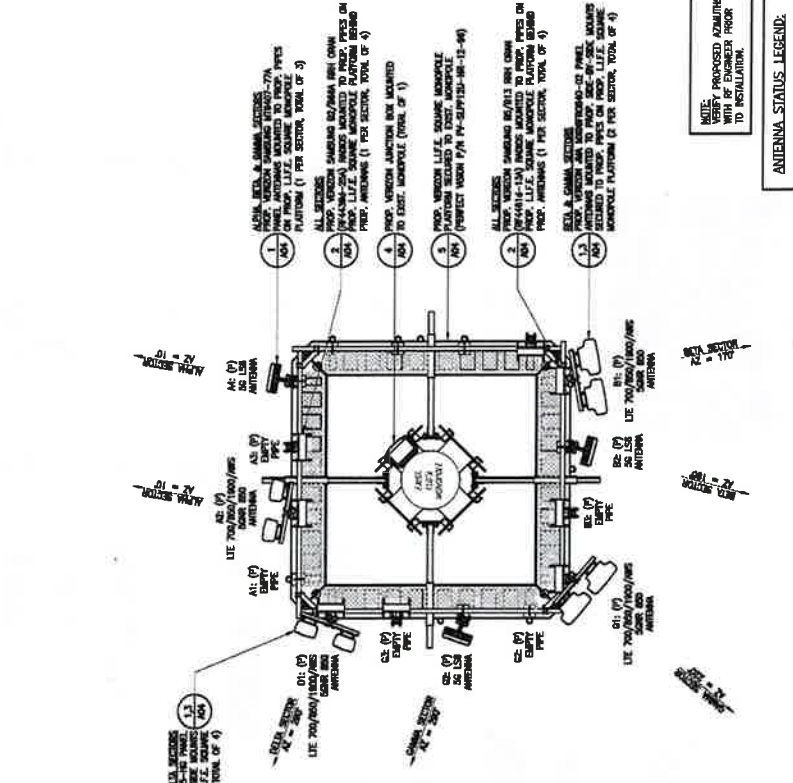
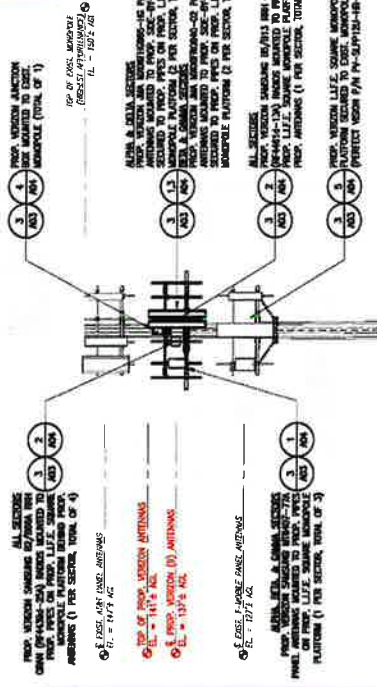
PROJECT NO: 09999
JOB LOCATION: 09999
PAGE PROJECT ID: 2009999

PROJECT NAME
TOWER ELEVATIONS & ANTENNA PLAN

SHEET NUMBER
A03

RAO CENTER NOTE:
VERIZON ANTENNA AND MOUNT RAD CENTER SHOWN IN ELEVATION ARE ACCORDING TO STRUCTURAL ANALYSIS DONE BY OTHERS AND ANY DIFFER FROM RAD CENTER ON RFD'S PROVIDED BY VERIZON.

GENERAL NOTES:
1. THE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, FEDERAL, AND NATIONAL REQUIREMENTS.
2. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF TOWER TOP EQUIPMENT AND FOR ANY SPECIAL FEEDLINE SCHEDULING OR REDUCTION.
3. SBA-PROVIDED TOWER STRUCTURAL ANALYSIS FOR ANY SPECIAL SCHEDULING OF TOWER TOP EQUIPMENT AND FOR ANY SPECIAL FEEDLINE SCHEDULING OR REDUCTION.



VERIZON
SBA
CHAPPELL ASSOCIATES, LLC
STATE OF CONNECTICUT PROFESSIONAL ENGINEER
SOUTH BURY SOUTH 2 CT
459 BURN ROAD SOUTH BURY, CT 06488
PROJECT NO: 09999
JOB LOCATION: 09999
PAGE PROJECT ID: 2009999
PROJECT NAME: TOWER ELEVATIONS & ANTENNA PLAN
SHEET NUMBER: A03

GENERAL NOTES:
1. THE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, FEDERAL, AND NATIONAL REQUIREMENTS.
2. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF TOWER TOP EQUIPMENT AND FOR ANY SPECIAL FEEDLINE SCHEDULING OR REDUCTION.
3. SBA-PROVIDED TOWER STRUCTURAL ANALYSIS FOR ANY SPECIAL SCHEDULING OF TOWER TOP EQUIPMENT AND FOR ANY SPECIAL FEEDLINE SCHEDULING OR REDUCTION.

RAO CENTER NOTE:
VERIZON ANTENNA AND MOUNT RAD CENTER SHOWN IN ELEVATION ARE ACCORDING TO STRUCTURAL ANALYSIS DONE BY OTHERS AND ANY DIFFER FROM RAD CENTER ON RFD'S PROVIDED BY VERIZON.

PROPOSED ANTENNA PLAN
SCALE: 1/8" = 1'-0"

EXISTING TOWER PHOTO
SCALE: 1/8" = 1'-0"

TOWER ELEVATION
SCALE: 1/8" = 1'-0"

NOTE:
VERIFY PROPOSED AZIMUTHING OF ANTENNAS PRIOR TO INSTALLATION.

ANTENNA STATUS LEGEND:
EMPTY - EMPTY PFE
(E) - EXISTING
(P) - PULL
(F) - FUTURE



20 ALEXANDER HWY, 2ND FLOOR
SOUTHBRURY, CT 06488
(860) 741-7000



150 CHAMBERS ROAD, SUITE 105
METHUEN, MA 01831
(603) 251-0750



CHAPPELL
ENGINEERING
ASSOCIATES, LLC
P.O. BOX 100
201 BOSTON POST ROAD WEST, SUITE 101
METHUEN, MA 01831
(603) 481-7400
www.chappell-engineering.com



DATE: 01/11/11
APPROVED BY: [Signature]

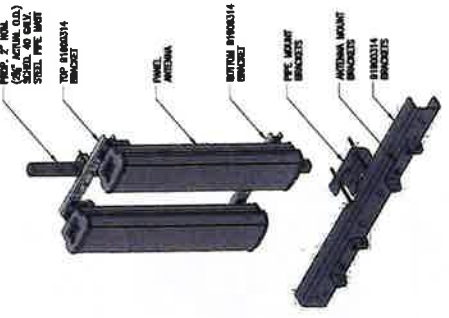
NO.	REV.	DESCRIPTION	DATE
1	01/11/11	ISSUED FOR CONSTRUCTION	01/11/11
2	01/11/11	ISSUED FOR CONSTRUCTION	01/11/11

**SOUTHBRURY SOUTH
2 CT**
PROJECT NO. & NUMBER

458 BATH ROAD
SOUTHBRURY, CT 06488

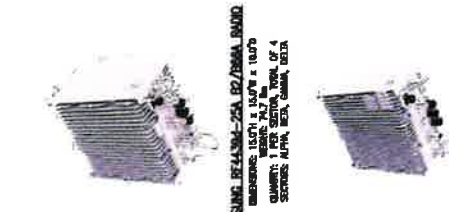
MAP LOCATION CODE: 07000
MPS LOCATION ID: 000000000
RICE PROJECT ID: 000000000

ANTENNA DETAILS
SHEET NUMBER: A04



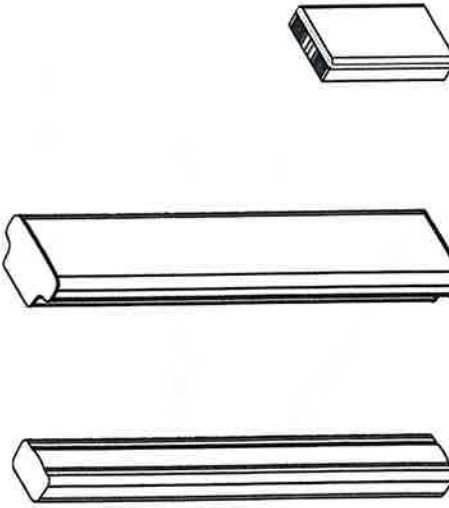
MA 91900314 SIDE-BY-SIDE
ANTENNA MOUNT BRACKET
NOTE: SEE 3D IN
REVISION 2.0
QUANTITY: 1 PER SECTION, TOTAL OF 4
SERVICES: ALPHA, BETA, GAMMA, DELTA

TYPICAL SIDE-BY-SIDE ANTENNA MOUNT KIT
SCALE: N.T.S.



SAMSUNG RC46014-1A, B5/B13, B400
DIMENSIONS: 15.07" x 15.07" x 10.70"
NOTE: SEE 3D IN
REVISION 2.0
QUANTITY: 1 PER SECTION, TOTAL OF 4
SERVICES: ALPHA, BETA, GAMMA, DELTA

RADIO DETAIL
SCALE: N.T.S.



MA 10000000-02 ANTENNA
DIMENSIONS: 15.07" x 15.07" x 10.70"
NOTE: SEE 3D IN
REVISION 2.0
QUANTITY: 1 PER SECTION, TOTAL OF 4
SERVICES: ALPHA, BETA, GAMMA, DELTA

ANTENNA DETAILS
SCALE: N.T.S.

4.1 Antenna shall be obtained with 20' of cable, 10' of which shall be used for mounting hardware. For base for each installation.

4.2 Cable to Pole Mount shall be 10' of 1/2" diameter cable.

4.3 Cable to Mast shall be 10' of 1/2" diameter cable.

4.4 Cable to Mast shall be 10' of 1/2" diameter cable.

4.5 Cable to Mast shall be 10' of 1/2" diameter cable.



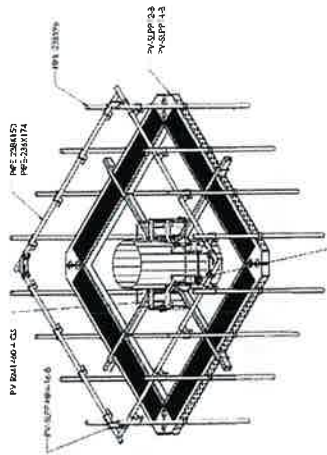
4.1 Fiber Junction Box shall be 15.07" x 15.07" x 10.70".

4.2 Fiber Junction Box shall be 15.07" x 15.07" x 10.70".

4.3 Fiber Junction Box shall be 15.07" x 15.07" x 10.70".

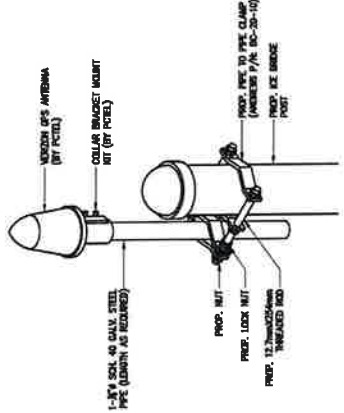
4.4 Fiber Junction Box shall be 15.07" x 15.07" x 10.70".

4.5 Fiber Junction Box shall be 15.07" x 15.07" x 10.70".



PERFECT VISION LIFE SOURCE
MONOPOLE PLANTFORM
QUANTITY: TOTAL OF 1

ANTENNA MOUNT DETAIL
SCALE: N.T.S.



NOTE: ANTENNA MOUNT IS DESIGNED TO CLAMP TO A STANDARD 1-1/2" DIA. GALV. STEEL OR STAINLESS STEEL PIPE. THE PIPE MUST NOT BE PERPENDICULAR TO THE ANTENNA MOUNT. THE PIPE SHALL BE CUT TO THE REQUIRED LENGTH AND THE ANTENNA MOUNT SHALL BE SECURED TO THE PIPE IN ORDER TO SEAL. ADJUST THE RESPONSE CURVE ATTACHED TO THE ANTENNA MOUNT.

GPS ANTENNA MOUNTING DETAIL
SCALE: N.T.S.

City	Company	Part	Material	Quantity	Notes
1	MA	10000000-02	ANTENNA	4	1 PER SECTION, TOTAL OF 4
2	MA	91900314	SIDE-BY-SIDE ANTENNA MOUNT BRACKET	4	1 PER SECTION, TOTAL OF 4
3	MA	RC46014-1A	SAMSUNG RADIO	4	1 PER SECTION, TOTAL OF 4
4	MA	10000000-02	ANTENNA	4	1 PER SECTION, TOTAL OF 4
5	MA	10000000-02	ANTENNA	4	1 PER SECTION, TOTAL OF 4

4.1 Fiber Junction Box shall be 15.07" x 15.07" x 10.70".

TYPICAL FIBER JUNCTION BOX DETAILS
SCALE: N.T.S.



20 ALBANY RD. 2ND FLOOR
MIDDLETOWN, CT 06457
(860) 741-7238



SBA CONSULTATIONS CORP.
134 PARKERS ROAD, SUITE 105
MIDDLETOWN, CT 06457
(860) 251-9720



CHAPMAN & ASSOCIATES, LLC
A/E ARCHITECTURE
100 W. MAIN ST., SUITE 101
MIDDLETOWN, CT 06457
(860) 481-7400
chapmanandassociates.com



DESIGNED BY: R. GASH
DATE: 01/11/11
APPROVED BY: [Signature]
DATE: 01/11/11

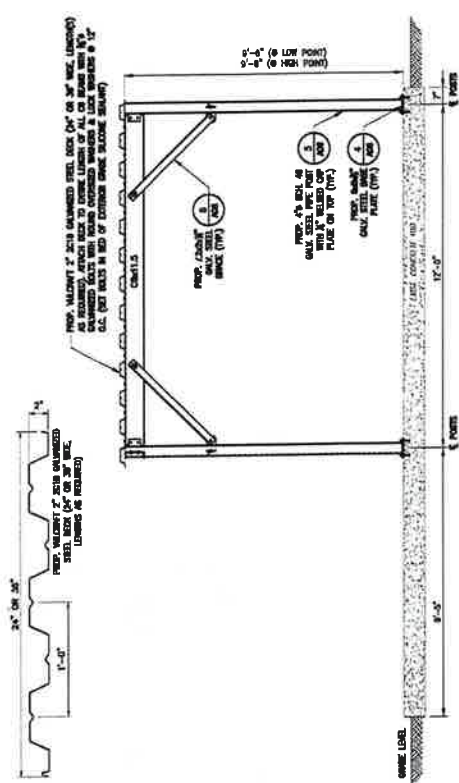
REV	DATE	DESCRIPTION	BY
1	01/11/11	ISSUE FOR CONSTRUCTION	RG
2	01/11/11	ISSUE FOR PERMITS	RG

PROJECT NAME & NUMBER
SOUTHBURY SOUTH
2 CT
458 BURN ROAD
SOUTHBURY, CT 06488

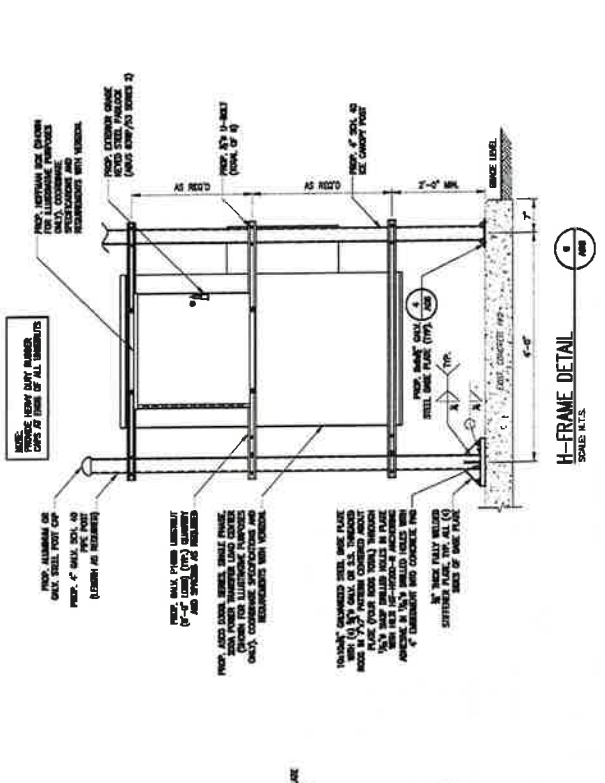
NEW LOCATION CODE: 00000
MOD LOCATION ID: 00000000
FLICE PROJECT ID: 00000000

SHEET TITLE
ICE CANOPY & H-FRAME DETAILS

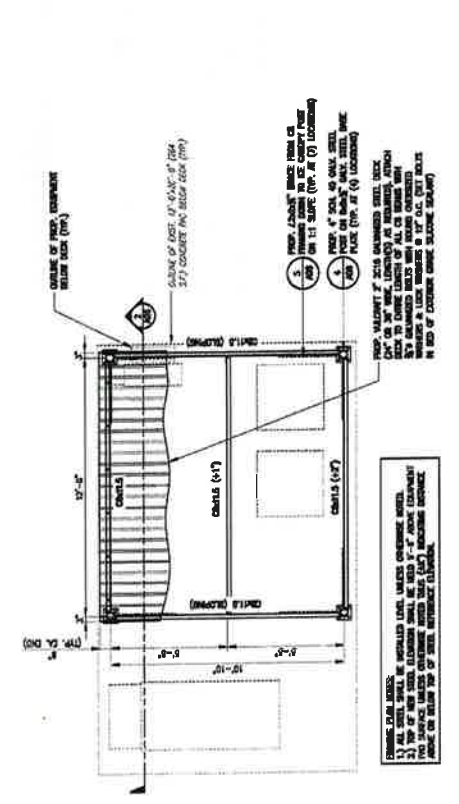
SHEET NUMBER
A06



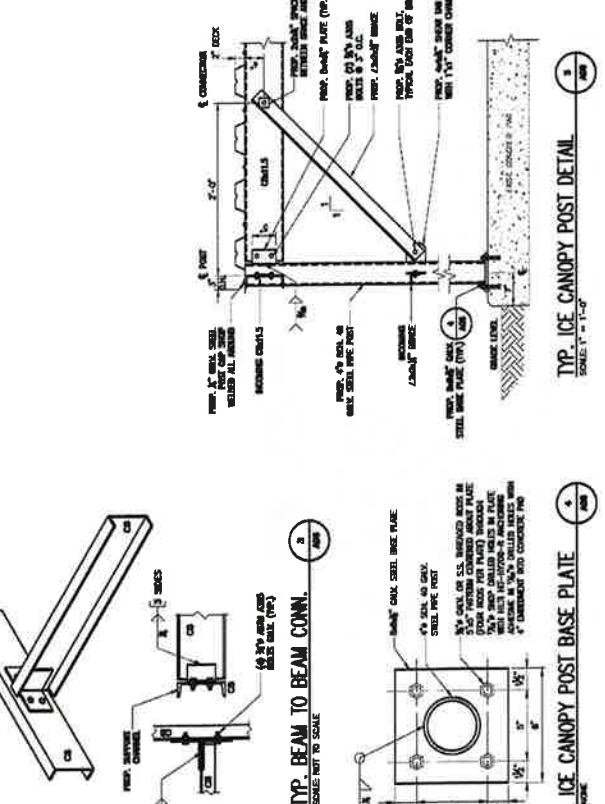
ICE CANOPY SECTION 2
SCALE: 1/2" = 1'-0"



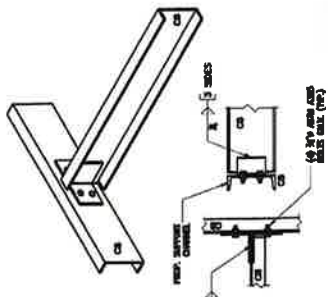
H-FRAME DETAIL
SCALE: 1/2" = 1'-0"



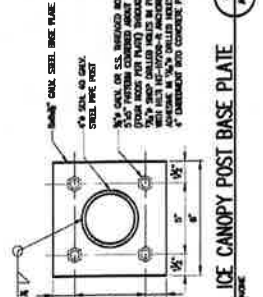
ICE CANOPY FRAMING PLAN 1
SCALE: 3/8" = 1'-0"



TYP. ICE CANOPY POST DETAIL
SCALE: 1/2" = 1'-0"



TYP. BEAM TO BEAM CONN.
SCALE: NOT TO SCALE



TYP. ICE CANOPY POST BASE PLATE
SCALE: 1/2" = 1'-0"



30 AVONDALE AVE., 2ND FLOOR
MILWAUKEE, CT 06455
(860) 744-7338



SBA COMMUNICATIONS CORP.
125 FARMERS ROAD, SUITE 125
MILWAUKEE, CT 06455
(860) 251-0720



CHAPMAN
ENGINEERING
ASSOCIATES, LLC
315 LOCUST STREET, SUITE 101
MILWAUKEE, CT 06455
(860) 481-7400
www.chapman-engineering.com



DATE: 01/13/18

APPROVED BY: [Signature]

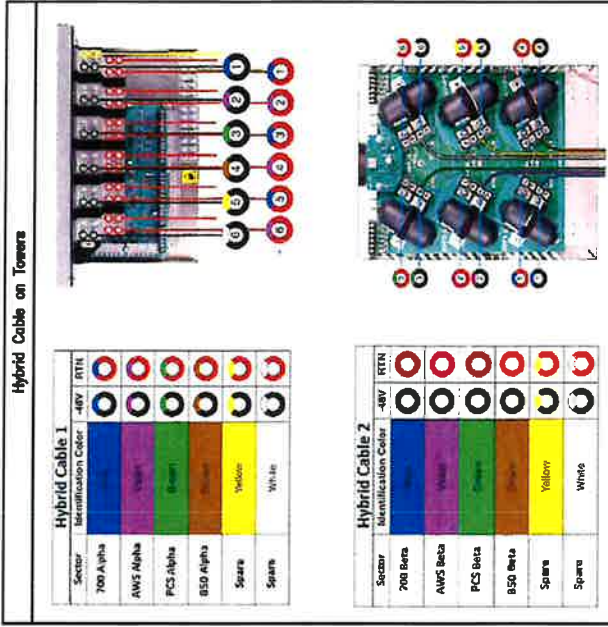
REV	DATE	DESCRIPTION	BY
1	01/13/18	ISSUED FOR CONSTRUCTION	JRF
2	01/13/18	ISSUED FOR ORDER	JRF

PROJECT NAME & NUMBER
**SOUTH-BURY SOUTH
2 CT**
450 BURN ROAD
SOUTH-BURY, CT 06488

USE LOCATION CODE: 07000
SHEET NUMBER: 07000
PAGE PROJECT ID: 07000
SHEET TITLE:

RF COLOR CODE SPECIFICATIONS

SHEET NUMBER
RF03



Line	Color	Quantity	Notes
1	Blue	100	700 Alpha
2	Purple	100	AWS Alpha
3	Green	100	PCS Alpha
4	Brown	100	B50 Alpha
5	Yellow	100	Alpha Spare
6	White	100	Alpha Spare
7	Blue	100	700 Beta
8	Purple	100	AWS Beta
9	Green	100	PCS Beta
10	Brown	100	B50 Beta
11	Yellow	100	Beta Spare
12	White	100	Beta Spare

4. SECTOR COLOR CODING NOTE:
COLOR CODING FOR DELTA SECTION ANTENNAS (AS SHOWN) NOT SHOWN. CONFIRM COLOR CODING SPECIFICATIONS WITH VENDOR. UNLESS.

CABLE NOTE:
SEE FEEDLINE SCHEDULE A-B ON SHEET RF01 FOR EXISTING & PROPOSED CABLE QUANTITIES.

LINE COLOR CODE SPECIFICATIONS
SHEET NUMBER

HYBRID CABLE COLOR CODE SPECIFICATIONS
SHEET NUMBER

ATTACHMENT 4



MX06FHG865-HG

NWAV™ X-Pol Hex-Port Antenna

X-Pol Hex-Port 8 ft 65° Form in Tighter High Gain (FHG) with Smart Bias Ts, 698-2180 MHz:

2 ports 698-894 MHz and 4 ports 1695-2200 MHz

- Industry-leading high gain for MB and LB for extended cell coverage
- Excellent passive intermodulation (PIM) performance reduces harmful interference.
- Fully integrated (iRETs) with independent RET control for low and high bands for ease of network optimization
- Suitable for LTE/CDMA/PCS/UMTS/GSM air interface technologies
- Integrated Smart Bias-Ts reduce leasing costs
- Optimized width for reduced wind loading



Electrical specification (minimum/maximum)	Ports 1, 2		Ports 3, 4, 5, 6		
Frequency bands, MHz	698-806	806-894	1695-1880	1850-1990	1920-2200
Polarization	± 45°		± 45°		
Max gain over all tilts, dBi	17.2	17.6	19.4	19.5	20.0
Average gain, dBi	17.1 ± 0.1	17.3 ± 0.3	19.3 ± 0.1	19.2 ± 0.3	19.7 ± 0.3
Horizontal beamwidth (HBW), degrees	67.0	65.0	63.0	63.0	62.0
Front-to-back ratio, co-polar power @180°± 30°, dB	>25.0	>25.0	>28.0	>26.0	>25.0
X-Pol discrimination (CPR) at boresight, dB	>20.0	>18.0	>25	>20	>18
Sector power ratio, percent ¹	<4.0	<3.6	<5.0	<3.8	<3.6
Vertical beamwidth (VBW), degrees ¹	9.3	8.4	5.0	4.9	4.5
Electrical downtilt (EDT) range, degrees	0-10		0-7		
First upper side lobe (USLS) suppression, dB ¹	≤-16.0	≤-15.0	≤-16.0	≤-16.0	≤-16.0
Cross-polar isolation, port-to-port, dB ¹	25	25	25	25	25
Max VSWR / return loss, dB	1.5:1 / -14.0		1.5:1 / -14.0		
Max passive intermodulation (PIM), 2x20W carrier, dBc	-153		-153		
Max input power per any port, watts	300		250		
Total composite power all ports, watts	1500				

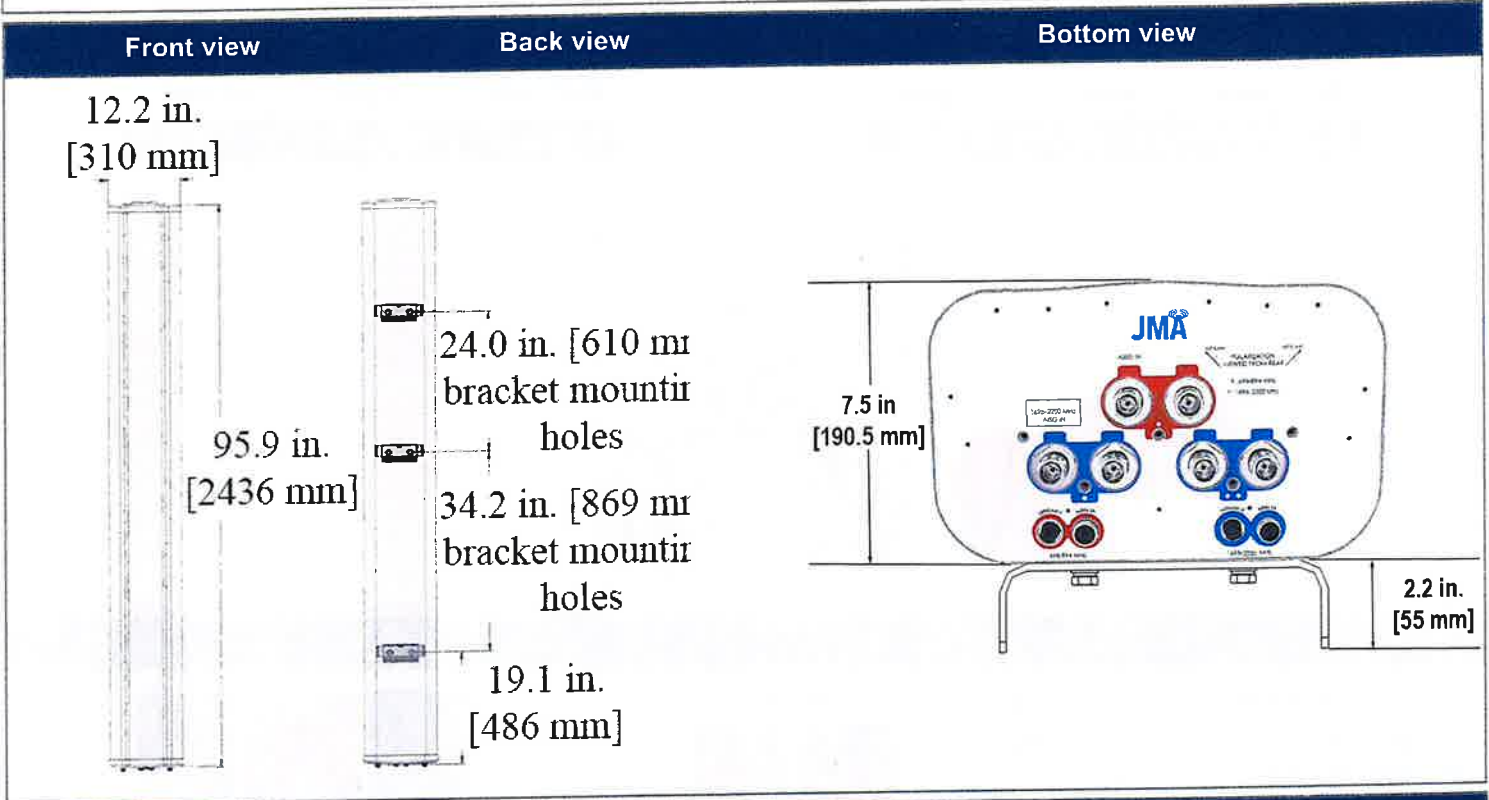
¹ Typical value over frequency and tilt



MX06FHG865-HG

NWAV™ X-Pol Hex-Port Antenna

Mechanical specifications	
Dimensions height/width/depth, inches (mm)	95.9/ 12.2/ 7.5 (2436/ 310/ 191)
Shipping dimensions length/width/height, inches (mm)	106/ 20/ 15 (2692/ 508/ 381)
No. of RF input ports, connector type, and location	6 x 4.3-10 female, bottom
RF connector torque	96 lbf-in (10.85 N·m or 8 lbf-ft)
Net antenna weight, lb (kg)	51 (23.1)
Shipping weight, lb (kg)	100 (45.3)
Antenna mounting and downtilt kit included with antenna	91900318, 91900319 (middle bracket)
Net weight of the mounting and downtilt kit, lb (kg)	26 (11.82)
Range of mechanical up/down tilt	-2° to 12°
Rated wind survival speed, mph (km/h)	150 (241)
Frontal and lateral wind loading @ 150 km/h, lbf (N)	90.5 (402.6), 81.2 (361.2)
Equivalent flat plate @ 100 mph and Cd=2, sq ft	2.27
EPA frontal and lateral, ft ² , (m ²)	4.1 (0.38), 2.2 (0.20)



Ordering information	
Antenna model	Description
MX06FHG865-HG	8F X-Pol HEX FHG 65°, 0-10° / 0-7° RET, 4.3-10 & SBT
Optional accessories	
<u>AISG cables</u>	M/F cables for AISG connections
<u>PCU-1000 RET controller</u>	Stand-alone controller for RET control and configurations



MX06FHG865-HG

NWAV™ X-Pol Hex-Port Antenna

Remote electrical tilt (RET 1000) information

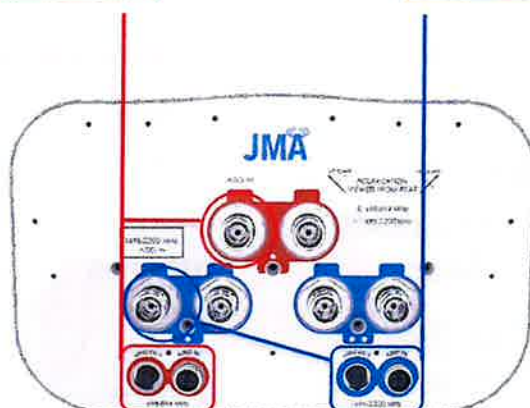
RET location	Integrated into antenna
RET interface connector type	8-pin AISG connector per IEC 60130-9
RET connector torque	Min 0.5 N·m to max 1.0 N·m (hand pressure & finger tight)
RET interface connector quantity	2 pairs of AISG male/female connectors
RET interface connector location	Bottom of the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

RET and RF connector topology

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

RET device	Band	RF port
R1	698-894	1-2

RET device	Band	RF port
B1/B2	1695-2200	3-6



Array topology

3 sets of radiating arrays

R1: 698-894 MHz
 B1: 1695-2200 MHz
 B2: 1695-2200 MHz

Band	RF port
1695-2200	3-4
698-894	1-2
1695-2200	5-6



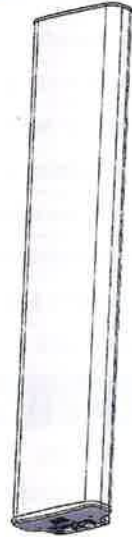
MX06FRO840-02

NWAV™ X-Pol Hex-Port Antenna

X-Pol Hex-Port 8 ft 40° Fast Roll Off:

2 ports 698-894 MHz and 4 ports 1695-2180 MHz

- Fast Roll Off (FRO™) azimuth beam pattern improves Intra- and Inter-cell SINR
- Excellent passive intermodulation (PIM) performance reduces harmful interference.
- Fully integrated (iRETs) with independent RET control for low and high bands for ease of network optimization
- SON-Ready array spacing supports beamforming capabilities
- Suitable for LTE/CDMA/PCS/UMTS/GSM air interface technologies
- Integrated Smart Bias-Ts reduce leasing costs

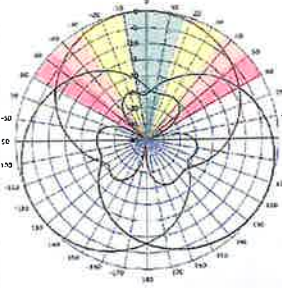


NWAV

Fast Roll-Off antennas increase data throughput without compromising coverage

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

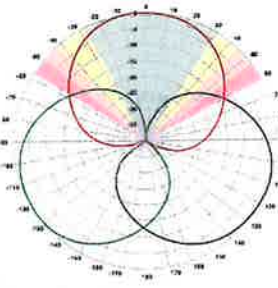
Non-FRO antenna



Large traditional antenna pattern overlap creates harmful interference.

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

JMA FRO antenna



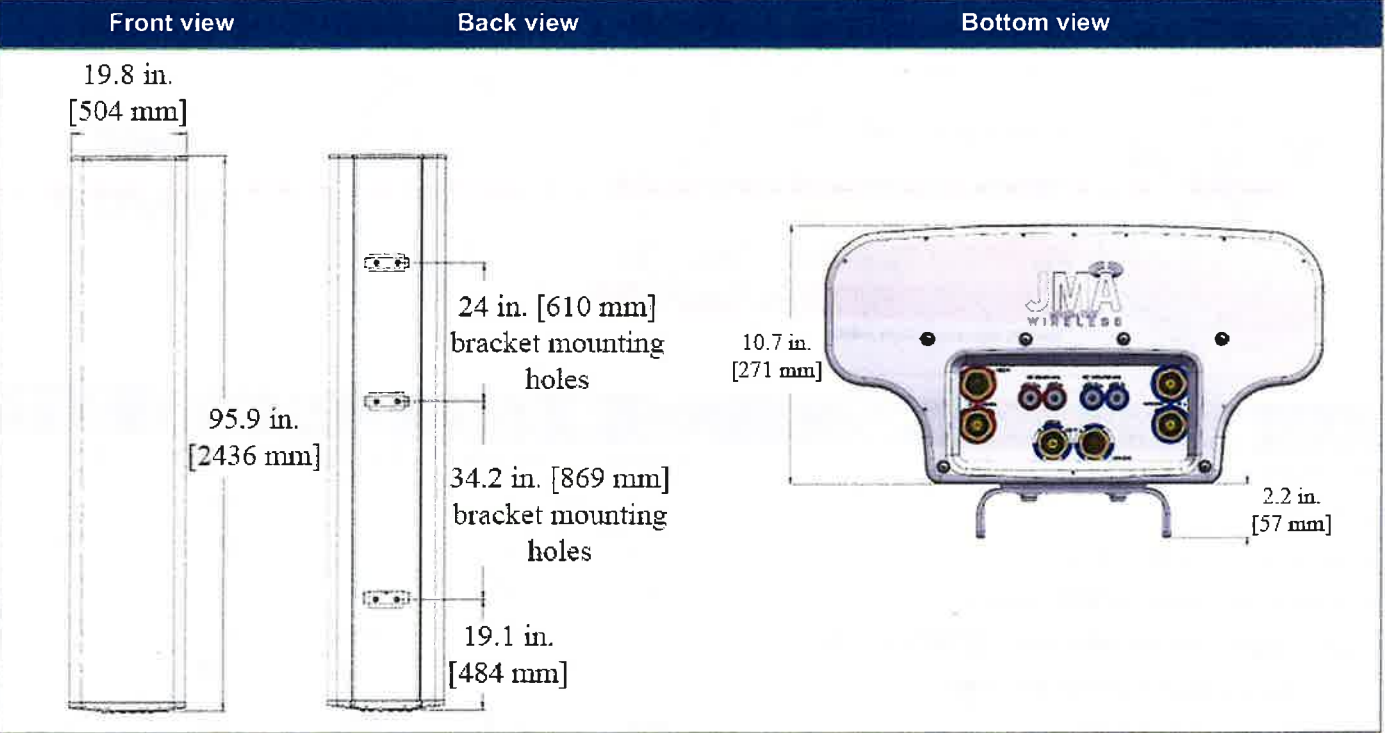
LTE throughput	SINR	Speed (bps/Hz)	Speed increase	CQI
Excellent	>18	>4.5	333+%	8-10
Good	15-18	3.3-4.5	277%	6-7
Fair	10-15	2-3.3	160%	4-6
Poor	<10	<2	0%	1-3

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

Electrical specification (minimum/maximum)	Ports 1, 2		Ports 3, 4, 5, 6		
	698-798	824-894	1695-1880	1850-1990	1920-2180
Frequency bands, MHz	698-798	824-894	1695-1880	1850-1990	1920-2180
Polarization	± 45°		± 45°		
Average gain over all tilts, dBi	17.6	18.0	19.9	20.4	20.8
Horizontal beamwidth (HBW), degrees	42	37	39	36	34
Front-to-back ratio, co-polar power @180°± 30°, dB	>22.0	>22.0	>25.0	>25.0	>25.0
X-Pol discrimination (CPR) at boresight, dB	>18.0	>15.0	>18	>18	>15
Sector power ratio, percent	<4.5	<3.5	<3.7	<3.8	<3.6
Vertical beamwidth (VBW), degrees ¹	9.0	8.3	6.0	5.7	5.3
Electrical downtilt (EDT) range, degrees	2-12	2-12	0-9		
First upper side lobe (USLS) suppression, dB ¹	≤-15.0	≤-15.0	≤-16.0	≤-16.0	≤-16.0
Cross-polar isolation, port-to-port, dB ¹	25	25	25	25	25
Max VSWR / return loss, dB	1.5:1 / -14.0		1.5:1 / -14.0		
Max passive intermodulation (PIM), 2x20W carrier, dBc	-153		-153		
Max input power per any port, watts	300		250		
Total composite power all ports, watts	1500				

¹ Typical value over frequency and tilt

Mechanical specifications	
Dimensions height/width/depth, inches (mm)	95.9/ 19.8/ 10.7 (2436/ 504/ 271)
Shipping dimensions length/width/height, inches (mm)	106/ 26/ 15 (2692/ 660/ 381)
No. of RF input ports, connector type, and location	6 x 4.3-10 female, bottom
RF connector torque	96 lbf-in (10.85 N·m or 8 lbf-ft)
Net antenna weight, lb (kg)	98 (44.55)
Shipping weight, lb (kg)	147 (66.82)
Antenna mounting and downtilt kit included with antenna	91900318, 91900319 (middle bracket)
Net weight of the mounting and downtilt kit, lb (kg)	26 (11.82)
Range of mechanical up/down tilt	-2° to 12°
Rated wind survival speed, mph (km/h)	150 (241)
Frontal and lateral wind loading @ 150 km/h, lbf (N)	213.4 (949.3), 105.4 (468.8)
Equivalent flat plate @ 100 mph and Cd=2, sq ft	6.32
EPA frontal and lateral, ft ² , (m ²)	9.6 (0.89), 3.6 (0.33)



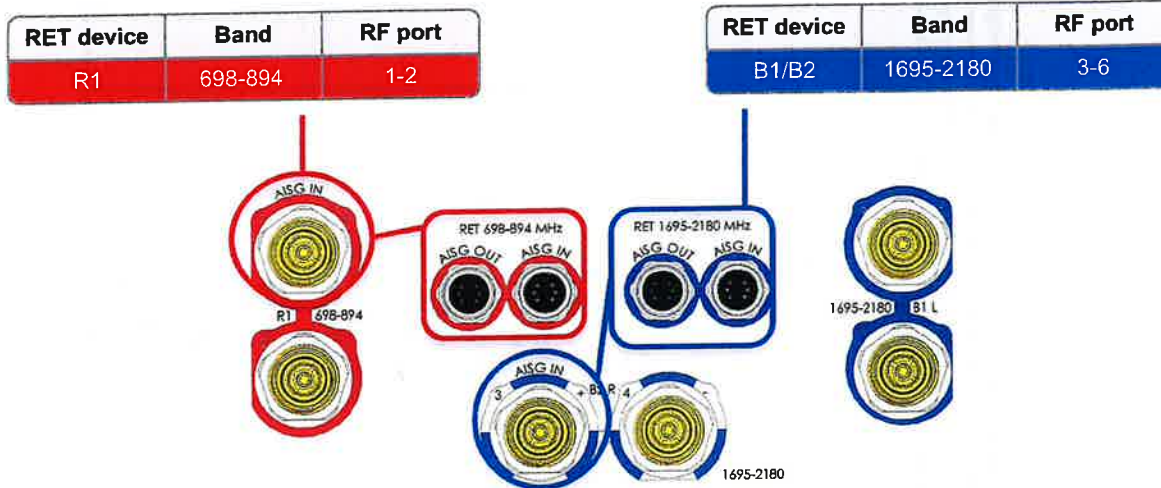
Ordering information	
Antenna model	Description
MX06FRO840-02	8F X-Pol HEX FRO 40°, 2-12° / 0-9° RET, 4.3-10 & SBT
Optional accessories	
AISG cables	M/F cables for AISG connections
PCU-1000 RET controller	Stand-alone controller for RET control and configurations

Remote electrical tilt (RET 1000) information

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

RET and RF connector topology

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



Array topology

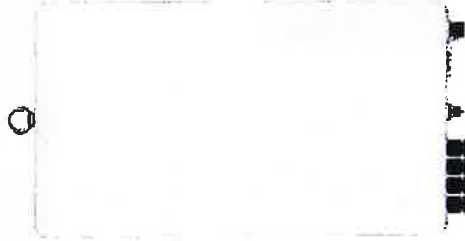
<p>3 sets of radiating arrays</p> <p>R1: 698-894 MHz B1: 1695-2180 MHz B2: 1695-2180 MHz</p>	<table border="1"> <thead> <tr> <th>Band</th> <th>RF port</th> </tr> </thead> <tbody> <tr> <td>1695-2180</td> <td>3-4</td> </tr> <tr> <td>698-894</td> <td>1-2</td> </tr> <tr> <td>1695-2180</td> <td>5-6</td> </tr> </tbody> </table>	Band	RF port	1695-2180	3-4	698-894	1-2	1695-2180	5-6	
Band	RF port									
1695-2180	3-4									
698-894	1-2									
1695-2180	5-6									

C-band 64T64R

Gen 2

SAMSUNG

Gen 2 : Higher conducted power radio with reduced size/volume/weight vs Gen 1 and also SOC embedded for flexibility to support new features



* Preliminary Design: External appearance and mechanical design can be subject to change

Gen 2. 64T64R C-band MUU Dimensions	
Size (WxHxD)	400 x 734 x 140 mm (15.75 x 28.90 x 5.51 inch)
Weight	26kg (57.3 lb)

Item	Gen 2. 64T64R (MT6413-77A)
Air Technology	NR n77/TDD
Frequency	3700 – 3980 MHz
IBW	200 MHz
OBW	200 MHz
Carrier Bandwidth	20(MHz reconfig)/40/60/80/100 MHz
# of Carriers	2 carriers
Layer	DL : 16L, UL : 16RX (8L)
RF Chain	64T64R
Antenna Configuration	4V16H with 192 AE
ERP	80.5 dBm @320W (55 dBm + 25.5 dB)
Conductive Power Spectrum Analyzer	320W
RX Sensitivity	TX/RX support
Modulation	Typical -97.8dBm @ (1Rx, 18.36MHz with 30kHz, 51RBs)
Function Split	DL 256QAM support, DL 1024QAM with 1 -2dB power back-off
Input Power	DL/UL option 7-zx
Power Consumption	-48 VDC (-38 VDC to -57 VDC)
Size (WHD)	1.287W (100% load, room temp.)
Volume	41.1L
Weight	26kg (57.3 lb)
Operating Temperature	-40°C - 55°C (w/o solar load)
Cooling	Natural convection
Unwanted Emission	3GPP 38.104
Optic Interface	FCC 47 CFR 27.53 : < -13dBm/MHz
Mounting Options	< -40 dBm/MHz @ above 4 GHz
NB-IoT	< -50 dBm /MHz @ 4.040 – 4.050 MHz
External Alarm	< -60 dBm /MHz @ above 4.050 MHz
Fronthaul Interface	15km, 4 ports (25Gbps x 4), SFP28, single mode, Bi-di (Option: Duplex)
	Pole, wall
	Not support
	4RX
	eCPRI

SAMSUNG

AWS/PCS MACRO RADIO

DUAL-BAND AND HIGH POWER
FOR MACRO COVERAGE

Samsung's future proof dual-band radio is designed to help effectively increase the coverage areas in wireless networks. This AWS/PCS 4T4R dual-band radio has 4Tx/4Rx to 2Tx/2Rx RF chains options and a total output power of 320W, making it ideal for macro sites.

Model Code RF4459d-25A



Homepage
samsungnetworks.com

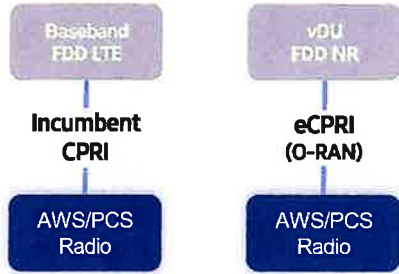


Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

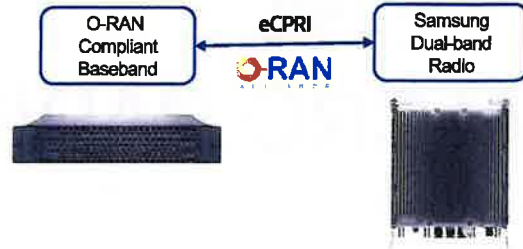
Samsung's AWS/PCS macro radio can support each incumbent CPRI interface as well as advanced eCPRI interfaces. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

A standardized O-RAN radio can help in implementing cost-effective networks, which are capable of sending more data without compromising additional investments.

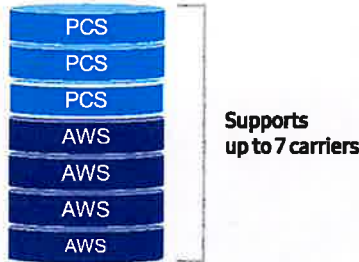
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

The number of required carriers varies according to site (region). Supporting many carriers is essential for using all frequencies that the operator has available.

The new AWS/PCS dual-band radio can support up to 3 carriers in the PCS (1.9GHz) band and 4 carriers in the AWS (2.1GHz) band, respectively.



Brand New Features in a Compact Size

Samsung's AWS/PCS macro radio offers several features, such as dual connectivity for baseband for both CDU and vDU, O-RAN capability, more carriers and an enlarged PCS spectrum, combined into an incumbent radio volume of 36.8L.



- 2 FH connectivity
- O-RAN capability
- More carriers and spectrum

Same as an incumbent radio volume

Technical Specifications

Item	Specification
Tech	LTE / NR
Brand	B25(PCS), B66(AWS)
Frequency Band	DL: 1930 – 1995MHz, UL: 1850 – 1915MHz DL: 2110 – 2200MHz, UL: 1710 – 1780MHz
RF Power	(B25) 4 × 40W or 2 × 60W (B66) 4 × 60W or 2 × 80W
IBW/OBW	(B25) 65MHz / 30MHz (B66) DL 90MHz, UL 70MHz / 60MHz
Installation	Pole, Wall
Size/Weight	14.96 x 14.96 x 10.04inch (36.8L) / 74.7lb

700/850 4T4R Macro 320W ORU - New Filter (RF4461d-13A)

SAMSUNG

Specifications



Item	Specification
Air Interface	LTE, NR(HW resource ready)
Band	Band13 (700MHz) Band5 (850MHz)
Frequency	DL: 746~756MHz UL: 869~894MHz
IBW	10MHz 25MHz
OBW	10MHz 25MHz
Carrier Bandwidth	LTE/NR 5*/10MHz LTE 5/10MHz NR 5/10/15/20MHz
# of carriers	2C*
Total # of carriers	4C + B13 (SDL) 1C
RF Chain	4T4R/2T4R/2T2R/1T2R 2T2R+2T2R bi-sector Total : 320W
RF Output Power	4 x 40W or 2 x 60W 4 x 40W or 2 x 60W
Spectrum Analyzer	TX/RX Support
RX Sensitivity	Typ. -104.5dBm @1Rx (25RBs 5MHz)
Modulation	256QAM support, (1024QAM with 1~2dB power back-off)
Input Power	-48VDC (-38VDC to -57VDC)
Power Consumption	1.165 Watt @ 100% RF load, room temperature
Size (WHD)	380 x 380 x 260 mm (14.96 x 14.96 x 10.23 inch)
Volume	37.5 L
Weight (W/o Solar Shield & finger guard)	35.9 kg (79.1 lb)
Operating Temperature	-40°C (-40°F) ~ 55°C (131°F) (Without solar load)
Cooling	Natural convection
Unwanted Emission	3GPP 36.104 FCC 47 CFR 27.53 (j, l) 3GPP 36.104 FCC 47 CFR 22.917 -69 dBm/100 kHz per path @ 896 ~901MHz
CPRI Cascade	Not supported
Optic Interface	20km, 2 ports (9.8Gbps x 2), SFP+, single mode, Duplex (Option: Bi-di)
RET & TMA Interface	AISG 3.0
Bias-T	4 ports (2 ports per band)
Mounting Options	Pole, wall
NB-IoT	25A-2GB or 2GB+2IB or 4GB
PIM Cancellation	Support
# of antenna port	4
External Alarm	4
Fronthaul Interface	Opt. 8 CPRI / Opt. 7-2x selectable (not simultaneous support)
CPRI compression	Not Support

* 5MHz supporting in B13(700MHz) depends on 3Gpp std. and UE capability.
 External filters in interferer and victim sides for Mexican boarder to support 5MHz service need to be considered
 ** Finger guard is not needed.

SD035 | 3.4L | 35 kW
INDUSTRIAL DIESEL GENERATOR SET
 EPA Certified Stationary Emergency



Standby Power Rating
 35 kW, 44 kVA, 60 Hz

Prime Power Rating*
 32 kW, 39 kVA, 60 Hz



Image used for illustration purposes only



*EPA Certified Prime ratings are not available in the US or its Territories

Codes and Standards

Generac products are designed to the following standards:

-   UL2200, UL508, UL489, UL142
-  CSA 22.2
-   BS5514 and DIN 6271
-  SAE J1349
-  NFPA 37, 70, 99, 110
-  NEC700, 701, 702, 708
-  ISO 3046, 7637, 8528, 9001
-  NEMA ICS10, MG1, 250, ICS6, AB1
-  ANSI C62.41
-   IBC 2009, CBC 2010, IBC 2012, ASCE 7-05, ASCE 7-10, ICC-ES AC-156 (2012)

Powering Ahead

For over 50 years, Generac has provided innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial applications under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

SD035 | 3.4L | 35 kW INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

STANDARD FEATURES

ENGINE SYSTEM

- Oil Drain Extension
- Air Cleaner
- Fan Guard
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Duct Adapter (Open Set Only)
- Critical Exhaust Silencer (Enclosed Only)

Fuel System

- Fuel Lockoff Solenoid
- Primary Fuel Filter

Cooling System

- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- Radiator Drain Extension
- 50/50 Ethylene Glycol Antifreeze
- 120 VAC Coolant Heater

Electrical System

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

ALTERNATOR SYSTEM

- GENprotect™
- 12 Leads (3-Phase, Non 600V)
- Class H Insulation Material
- Vented Rotor
- 2/3 Pitch
- Skewed Stator
- Auxiliary Voltage Regulator Power Winding
- Brushless Excitation
- Sealed Bearing
- Automated Manufacturing (Winding, Insertion, Lacing, Varnishing)
- Rotor Dynamically Spin Balanced
- Amortisseur Winding
- Full Load Capacity Alternator
- Protective Thermal Switch

GENERATOR SET

- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)
- 1 Year Limited Warranty (Prime Rated Units)
- Silencer Mounted in the Discharge Hood (Enclosed Only)
- Silencer of Heat Shield

ENCLOSURE (If Selected)

- Rust-Proof Fasteners with Nylon Washers to Protect Finish
- High Performance Sound-Absorbing Material (Sound Attenuation Enclosures)
- Gasketed Doors
- Stamped Air-Intake Louvers
- Upward Facing Discharge Hoods (Radiator and Exhaust)
- Stainless Steel Lift Off Door Hinges
- Stainless Steel Lockable Handles
- RhinoCoat™ - Textured Polyester Powder Coat Paint

TANKS (If Selected)

- UL 142
- Double Wall Construction
- Vents
- Sloped Top
- Sloped Bottom
- Factory Pressure Tested (2 psi (14 kPa))
- Rupture Basin Alarm
- Electronic and Visual Fuel Level Indication
- Check Valve In Supply and Return Lines
- RhinoCoat™ - Textured Polyester Powder Coat Paint
- Stainless Steel Hardware

CONTROL SYSTEM



Digital H Control Panel- Dual 4x20 Display

Program Functions

- Programmable Crank Limiter
- 7-Day Programmable Exerciser
- Special Applications Programmable Logic Controller
- RS-232/485 Communications
- 3-Phase Sensing Digital Voltage Regulator
- 2-Wire Start Capability
- Date/Time Fault History (Event Log)
- Isochronous Governor Control
- Waterproof/Sealed Connectors

- Audible Alarms and Shutdowns
- Not in Auto (Flashing Light)
- Auto/Off/Manual Switch
- E-Stop (Red Mushroom-Type)
- NFPA110 Level I and II (Programmable)
- Customizable Alarms, Warnings, and Events
- Modbus® Protocol
- Predictive Maintenance Algorithm
- Sealed Boards
- Password Parameter Adjustment Protection
- Single Point Ground
- 16 Channel Remote Trending
- 0.2 msec High Speed Remote Trending
- Alarm Information Automatically Annunciated on the Display

Full System Status Display

- Power Output (kW)
- Power Factor
- kW Hours, Total, and Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- All Phase Currents

- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- Frequency

Alarms and Warnings

- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Overspeed
- Battery Voltage
- Alarms and Warnings Time and Date Stamped
- Snap Shots of Key Operation Parameters During Alarms and Warnings
- Alarms and Warnings Spelled Out (No Alarm Codes)

CONFIGURABLE OPTIONS

ENGINE SYSTEM

- Oil Make-Up System
- Oil Heater
- Industrial Exhaust Silencer (Open Set)
- Two-Stage Air Cleaner

FUEL SYSTEM

- Flexible Fuel Lines
- Primary Fuel Filter

ELECTRICAL SYSTEM

- 10A UL Battery Charger
- 2.5A UL Battery Charger
- Battery Warmer

ALTERNATOR SYSTEM

- Alternator Upsizing
- Anti-Condensation Heater
- Tropical Coating
- Permanent Magnet Excitation

GENERATOR SET

- GenLink® Communications Software (English Only)
- 8 Position Load Center

CIRCUIT BREAKER OPTIONS

- Main Line Circuit Breaker
- 2nd Main Line Circuit Breaker
- Shunt Trip and Auxilliary Contact
- Electronic Trip Breakers

ENCLOSURE

- Weather Protected Enclosure
- Level 1 Sound Attenuation
- Level 2 Sound Attenuation
- Level 2 Sound Attenuation with Motorized Dampers
- Steel Enclosure
- Aluminum Enclosure
- Up to 200 MPH Wind Load Rating (Contact Factory for Availability)
- AC/DC Enclosure Lighting Kit
- Door Alarm Switch

WARRANTY (Standby Gensets Only)

- 2 Year Extended Limited Warranty
- 5 Year Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

CONTROL SYSTEM

- NFPA 110 Compliant 21-Light Remote Annunciator
- Remote Relay Assembly (8 or 16)
- Oil Temperature Sender with Alarm
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Flush Mount)
- Remote Communication - Modem
- 10A Run Relay
- Ground Fault Indication and Protection Functions

TANKS (Size On Last Page)

- Electric Fuel Level
- Mechanical Fuel Level
- 8 in (203.2 mm) Fill Extension
- 13 in (330.2 mm) Fill Extension
- 19 in (482.6 mm) Fill Extension

ENGINEERED OPTIONS

ENGINE SYSTEM

- Coolant Heater Ball Valves
- Fluid Containment Pan
- Block Heaters

CONTROL SYSTEM

- Spare Inputs (x4) / Outputs (x4)
- Battery Disconnect Switch

ALTERNATOR SYSTEM

- 3rd Breaker System

GENERATOR SET

- Special Testing
- IBC Seismic Certification

ENCLOSURE

- Door Switch for Intrusion Alarm
- Enclosure Ambient Heaters

TANKS

- Overfill Protection Valve
- UL2085 Tank
- ULC S-601 Tank
- Stainless Steel Tanks
- Special Fuel Tanks (MIDEQ and FL DEP/DERM, etc.)
- Vent Extensions

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INDUSTRIAL DIESEL GENERATOR SET
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APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General

Make	Generac
EPA Emissions Compliance	Stationary Emergency
EPA Emissions Reference	See Emission Data Sheet
Cylinder #	4
Type	In-Line
Displacement - in ³ (L)	207.48 (3.4)
Bore - in (mm)	3.86 (98)
Stroke - in (mm)	4.45 (113)
Compression Ratio	18.5:1
Intake Air Method	Turbocharged/Aftercooled
Cylinder Head	Cast Iron OHV
Piston Type	Aluminum
Crankshaft Type	Forged Steel

Engine Governing

Governor	Electronic Isochronous
Frequency Regulation (Steady State)	±0.25%

Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full Flow Cartridge
Crankcase Capacity - qt (L)	7.4 (7)

Cooling System

Cooling System Type	Closed Recovery
Water Pump Type	Pre-Lubed, Self Sealing
Fan Type	Pusher
Fan Speed - rpm	2,250
Fan Diameter - in (mm)	22 (560)

Fuel System

Fuel Type	Ultra Low Sulfur Diesel Fuel #2
Fuel Specifications	ASTM
Fuel Filtering (microns)	10
Fuel Inject Pump	Bosch (VE)
Fuel Pump Type	Engine Driven Gear
Injector Type	Pintel - 2,100 psi (14,479 kPa)
Fuel Supply Line - in (mm)	0.312 (7.92) NPT
Fuel Return Line - in (mm)	0.312 (7.92) NPT

Engine Electrical System

System Voltage	12 VDC
Battery Charger Alternator	Standard
Battery Size	See Battery Index 0161970SBY
Battery Voltage	12 VDC
Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	Generac 390 mm
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<5% (3-Phase)
Telephone Interference Factor (TIF)	<50

Standard Excitation	Synchronous Brushless
Bearings	Single Sealed Cartridge
Coupling	Direct via Flexible Disc
Load Capacity - Standby	100%
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Digital
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	±0.25%

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OPERATING DATA

POWER RATINGS

		Standby
Single-Phase 120/240 VAC @1.0pf	35 kW	Amps: 146
Three-Phase 120/208 VAC @0.8pf	35 kW	Amps: 121
Three-Phase 120/240 VAC @0.8pf	35 kW	Amps: 105
Three-Phase 277/480 VAC @0.8pf	35 kW	Amps: 53
Three-Phase 346/600 VAC @0.8pf	35 kW	Amps: 42

STARTING CAPABILITIES (sKVA)

sKVA vs. Voltage Dip

277/480 VAC								208/240 VAC							
Alternator	kW	10%	15%	20%	25%	30%	35%	Alternator	kW	10%	15%	20%	25%	30%	35%
Standard	35	24	36	48	60	72	84	Standard	35	18	27	36	45	54	63
Upsize 1	40	27	41	54	68	81	95	Upsize 1	40	20	31	41	51	61	71
Upsize 2	50	34	52	69	86	103	120	Upsize 2	50	26	39	52	65	77	90
Upsize 3	60	42	63	83	104	125	146	Upsize 3	60	32	47	62	78	94	110

FUEL CONSUMPTION RATES*

Fuel Pump Lift - ft (m)	Diesel - gph (lph)	
	Percent Load	Standby
3 (1)	25%	1.0 (3.9)
	50%	1.7 (6.5)
	75%	2.4 (9.1)
	100%	3.1 (11.7)

* Fuel supply installation must accommodate fuel consumption rates at 100% load.

COOLING

		Standby
Coolant Flow	gpm (lpm)	12.2 (46)
Coolant System Capacity	gal (L)	2.5 (9.5)
Heat Rejection to Coolant	BTU/hr (kW)	96,000 (28.1)
Inlet Air	cfm (m³/hr)	7,500 (212)
Maximum Operating Radiator Air Temperature	°F (°C)	122 (50)
Maximum Ambient Temperature (Before Derate)	See Bulletin No. 0199280SSD	
Maximum Radiator Backpressure	in H ₂ O (kPa)	0.5 (0.12)

COMBUSTION AIR REQUIREMENTS

	Standby
Flow at Rated Power cfm (m³/min)	150 (4.2)

ENGINE

		Standby
Rated Engine Speed	rpm	1,800
Horsepower at Rated kW**	hp	56
Piston Speed	ft/min (m/min)	1,335 (406.9)
BMEP	psi (kPa)	118 (814)

EXHAUST

		Standby
Exhaust Flow (Rated Output)	cfm (m³/min)	342 (9.7)
Max. Allowable Backpressure	inHg (kPa)	1.5 (5.1)
Exhaust Temp (Rated Output)	°F (°C)	900 (482)

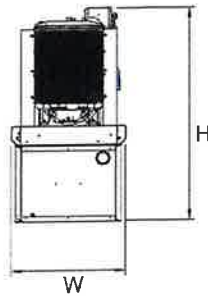
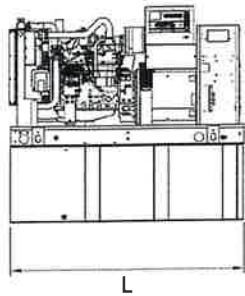
** Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions. Please contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528, and DIN6271 standards. Standby - See Bulletin 0187500SSB

SD035 | 3.4L | 35 kW
INDUSTRIAL DIESEL GENERATOR SET
 EPA Certified Stationary Emergency

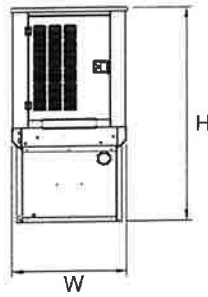
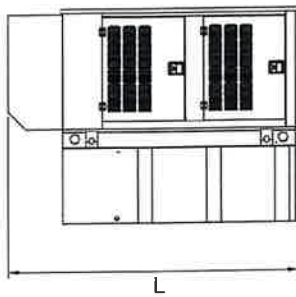


DIMENSIONS AND WEIGHTS*



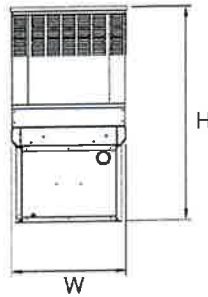
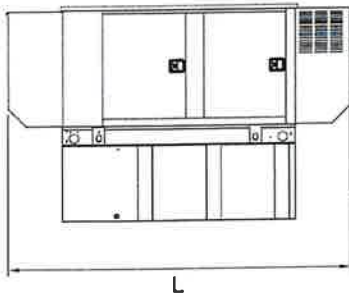
OPEN SET (Includes Exhaust Flex)

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)		Weight - lbs (kg)	
				Steel	Aluminum
No Tank	-	76.7 (1,948) x 37.4 (950) x 45.2 (1,147)		1,719	(780)
17	54 (204.4)	76.7 (1,948) x 37.4 (950) x 58.2 (1,477)		2,199	(998)
42	132 (499.7)	76.7 (1,948) x 37.4 (950) x 70.2 (1,782)		2,429	(1,102)
68	211 (798.7)	76.7 (1,948) x 37.4 (950) x 82.2 (2,087)		2,638	(1,197)
96	300 (1,135.6)	92.9 (2,360) x 37.4 (950) x 85.7 (2,176)		2,701	(1,225)



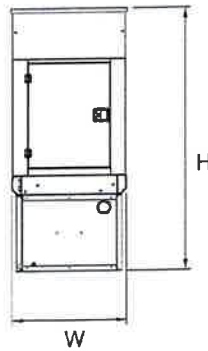
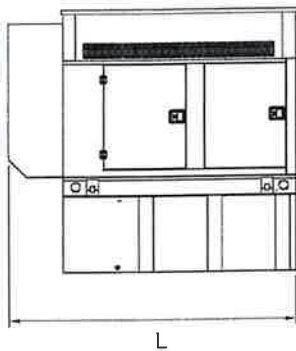
STANDARD ENCLOSURE

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)		Weight - lbs (kg) Enclosure Only	
				Steel	Aluminum
No Tank	-	94.8 (2,409) x 38.0 (965) x 49.5 (1,258)			
17	54 (204.4)	94.8 (2,409) x 38.0 (965) x 62.5 (1,588)		334	115
42	132 (499.7)	94.8 (2,409) x 38.0 (965) x 74.5 (1,893)		(152)	(52)
68	211 (798.7)	94.8 (2,409) x 38.0 (965) x 86.5 (2,198)			
96	300 (1,135.6)	94.8 (2,409) x 38.0 (965) x 90.0 (2,287)			



LEVEL 1 ACOUSTIC ENCLOSURE

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)		Weight - lbs (kg) Enclosure Only	
				Steel	Aluminum
No Tank	-	112.5 (2,857) x 38.0 (965) x 49.5 (1,258)			
17	54 (204.4)	112.5 (2,857) x 38.0 (965) x 62.5 (1,588)		435	150
42	132 (499.7)	112.5 (2,857) x 38.0 (965) x 74.5 (1,893)		(198)	(68)
68	211 (798.7)	112.5 (2,857) x 38.0 (965) x 86.5 (2,198)			
96	300 (1,135.6)	112.5 (2,857) x 38.0 (965) x 90.0 (2,287)			



LEVEL 2 ACOUSTIC ENCLOSURE

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)		Weight - lbs (kg) Enclosure Only	
				Steel	Aluminum
No Tank	-	94.8 (2,409) x 38.0 (965) x 61.9 (1,572)			
17	54 (204.4)	94.8 (2,409) x 38.0 (965) x 74.9 (1,902)		520	179
42	132 (499.7)	94.8 (2,409) x 38.0 (965) x 86.9 (2,207)		(236)	(81)
68	211 (798.7)	94.8 (2,409) x 38.0 (965) x 98.9 (2,512)			
96	300 (1,135.6)	94.8 (2,409) x 38.0 (965) x 102.4 (2,601)			

* All measurements are approximate and for estimation purposes only. Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.

ATTACHMENT 5



Tower Engineering Solutions

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

Structural Analysis Report

Existing 149 ft SABRE Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT13058-A

Customer Site Name: Southbury

Carrier Name: Verizon (App#: 243879-1)

Carrier Site ID / Name: 5000202686 / Southbury South 2 CT

Site Location: 459 Burr Road

Southbury, Connecticut

New Haven County

Latitude: 41.448661

Longitude: -73.182638



Analysis Result:

Max Structural Usage: 99.6% [Pass]

Max Foundation Usage: 94.0% [Pass]

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

Report Prepared By : Changzhi Zang



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Introduction

The purpose of this report is to summarize the analysis results on the 149 ft SABRE Monopole to support the proposed antennas and transmission lines in addition to those currently installed. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

Sources of Information

Tower Drawings	Sabre, Job # 07-07055-01, dated 07/14/2006
Foundation Drawing	Sabre, Job # 07-07055-MM, dated 07/14/2006
Geotechnical Report	JGI eastern, job# 06439G, dated 09/08/2006
Modification Drawings	N/A
Mount Analysis	VZW MA by Colliers Engineering & Design Project #: 23777352, dated 01/08/2024

Analysis Criteria

The comprehensive analysis was performed in accordance with the requirements and stipulations of the TIA-222-H. In accordance with this standard, the structure was analyzed using **TESPoles**, a proprietary analysis software. The program considers the structure as an elastic 3-D model with second-order effects and temperature effects incorporated in the analysis. The analysis was performed using multiple wind directions.

Wind Speed Used in the Analysis:	117.0 mph (3-Sec. Gust) (Ultimate wind speed)
Wind Speed with Ice:	50 mph (3-Sec. Gust) with 1" radial ice concurrent
Service Load Wind Speed:	60 mph + 0" Radial ice
Standard/Codes:	TIA-222-H / 2021 IBC / 2022 Connecticut State Building Code
Exposure Category:	B
Risk Category:	II
Topographic Category:	3
Crest Height:	165 ft
Seismic Parameters:	$S_S = 0.199$, $S_1 = 0.054$

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

Existing Antennas, Mounts and Transmission Lines

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

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
-	157.0	6	Andrew JAHH-65B-R3B- Panel	(1) Site Pro F3P-12 (W)	(1) 1 5/8" Hybrid	Verizon*
-		3	Samsung MT6407-77A- Panel			
-		3	Commscope CBC78T-DS-43-2X-Diplexer			
-		3	Samsung B2/B66A RRH-BR049- RRH			
-		3	Samsung B5/B13 RRH-BR04C- RRH			
-		1	Commscope FE-16148-OVP-B12-Junction Box			
1	147.0	3	Powerwave 7770.00 - Panel	Platform w/ Hand Rail	(12) 1 5/8" (3) 3/8" RET (1) 3" Conduit [Housing (1) 1/2" Fiber (2) 3/4" DC] (1) 2" Conduit [Housing (1) 1/2" Fiber (2) 3/4" DC]	AT&T
2		3	Cci HPA65R-BU6A - Panel			
3		3	Kathrein 80010965 - Panel			
4		6	Powerwave LGP21401 - TMA			
5		6	Powerwave LGP13519 - TMA			
6		3	Ericsson RRUS 8843 B2 B66A			
7		3	Ericsson RRUS 4449 B5/B12			
8		1	Raycap DC6-48-60-18-8F - OVP			
9		1	Raycap DC6-48-60-18-8C - OVP			
-	138.0	3	RFS APXVSP18-C-A20 - Panel	Low Profile Platform	(4) 1 1/4"	Sprint**
-		3	RFS APXVTM14-C-120 - Panel			
-		3	ALU 800MHz			
-		4	RFS ACU-A20-N			
-		3	ALU TD-RRH8x20-25			
-		3	ALU 1900MHz			
-		3	ALU 800MHz RRH			
17	127.5	3	RFS APX16DWV-16DWVS-E-A20	Platform w/ Hand Rail and V-Stabilizer [Commscope VSR-MS-B & MT-195-14]	(16) 1 5/8" (2) 1 5/8" Fiber	T-Mobile
18		3	RFS APXVAARR24_43-U-NA20			
19		3	Ericsson AIR6449 B41			
20		3	RFS ATMAA1412D-1A20 TMA			
21		3	RFS ATMPP1412D-1CWA			
22		3	Remec S20057A1			
23		3	Ericsson Radio 4424 B25			
24		3	Ericsson Radio 4449 B71+B85			
25		3	Ericsson Radio 4415 B66A			
26		3	Kathrein 782 11054			
27	87.0	3	JMA Wireless MX08FRO665-21-Panel	(1) Commscope MC-PK8-DSH (Platform w/HRK)	(1) 1.411" Hybrid	Dish Wireless
28		3	Fujitsu TA08025-B605-RRH			
29		3	Fujitsu TA08025-B604-RRH			
30		1	Raycap RDIDC-9181-PF-48-OVP			

*Verizon has decided not to extend the tower by 10' and instead install their equipment at 137' C/L

**Sprint is terminated but not removed from the tower. Verizon is to Remove the terminated Sprint loading at 138'.

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

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

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
10	137.0	4	JMA Wireless MX06FHG865-HG - Panel	Platform w/ Handrail [(1) Perfect Vision PV-SLPP12U-HR-12-96] w/Mount Spacing Brackets [(4) JMA Wireless 91900314]	(3) 1 5/8" Hybrid	Verizon
11		3	Samsung MT6413 77A - Panel			
12		4	JMA Wireless MX06FRO840-02 - Panel			
13		3	Commscope CBC78T-DS-43-2X-Diplexer			
14		4	Samsung B2/B66A RRH ORAN (RF4439d-25A)			
15		4	Samsung B5/B13 RRH ORAN (RF4461d-13A)			
16		1	Raycap RCMDC-6627-PF-48			

See the attached coax layout for the line placement considered in the analysis.

Analysis Results

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

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:	99.6%	91.8%	67.8%
Pass/Fail	Pass	Pass	Pass

Foundations

	Moment (Kip-Ft)	Shear (Kips)	Axial (Kips)
Analysis Reactions	3309.4	29.2	43.4

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

Service Load Condition (Rigidity):

Operational characteristics of the tower are found to be within the limits prescribed by TIA-222 for the installed antennas. The maximum twist/sway at the elevation of the proposed equipment is 1.9043 degrees under the operational wind speed as specified in the Analysis Criteria.

Conclusions

Based on the analysis results, the existing structure and its foundation were found to be adequate to safely support the existing and proposed equipment and meet the minimum requirements per the TIA-222 Standard under the design basic wind speed as specified in the Analysis Criteria.

Standard Conditions

1. This analysis was performed based on the information supplied to **(TES) Tower Engineering Solutions, LLC**. Verification of the information provided was not included in the Scope of Work for **TES**. The accuracy of the analysis is dependent on the accuracy of the information provided.
2. The structural analysis was performance based upon the evidence available at the time of this report. All information provided by the client is considered to be accurate.
3. The analyses will be performed based on the codes as specified by the client or based on the best knowledge of the engineering staff of **TES**. In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/TIA-222. If wind speed and/or ice loads are different from the minimum values recommended by the ANSI/TIA-222 standard or other codes, **TES** should be notified in writing and the applicable minimum values provided by the client.
4. The configuration of the existing mounts, antennas, coax and other appurtenances were supplied by the customer for the current structural analysis. **TES** has not visited the tower site to verify the adequacy of the information provided. If there is any discrepancy found in the report regarding the existing conditions, **TES** should be notified immediately to evaluate the effect of the discrepancy on the analysis results.
5. The client will assume responsibility for rework associated with the differences in initially provided information, including tower and foundation information, existing and/or proposed equipment and transmission lines.
6. If a feasibility analysis was performed, final acceptance of changed conditions shall be based upon a rigorous structural analysis.

Usage Diagram - Max Ratio 99.60% at 0.0ft

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)

Code: EIA/TIA-222-H
Exposure: B
Gh: 1.1

1/30/2024

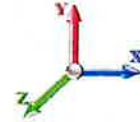
Page: 1



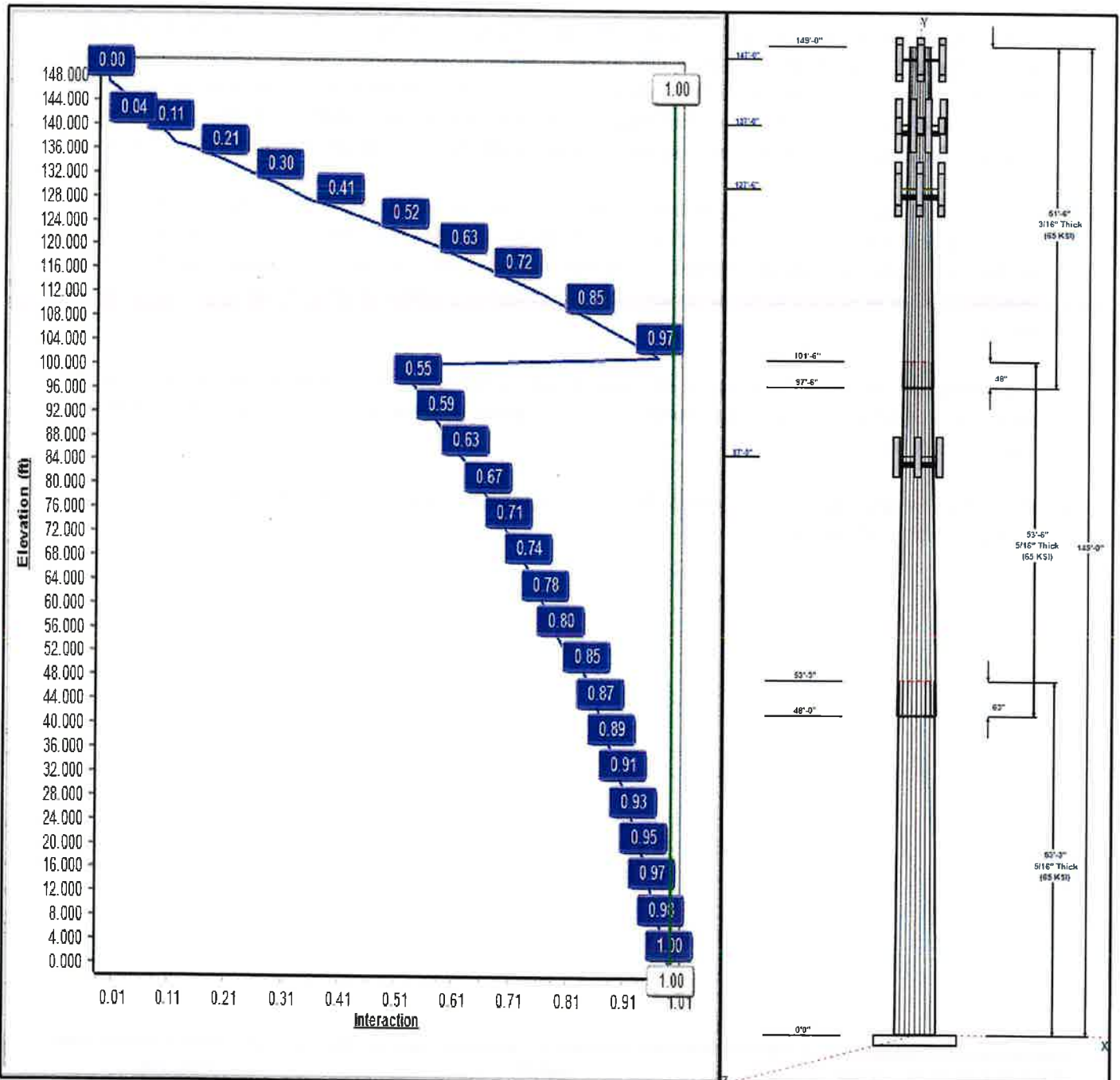
Dead Load Factor: 1.20
Wind Load Factor: 1.00

Iterations: 30

Load Case : 1.2D + 1.0W 117 mph Wind



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Structure: CT13058-A-SBA

Type: Custom	Base Shape: 18 Sided	1/30/2024
Site Name: Southbury	Taper: 0.22000	
Height: 149.00 (ft)		
Base Elev: 0.00 (ft)		Page: 3



0.00 87.00 Outside 1.411" Hybrid Dish Wireless

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
12	2.25" 18J	75.0	Cluster

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
2.7500	56.0	60.0	Clipped

Reactions

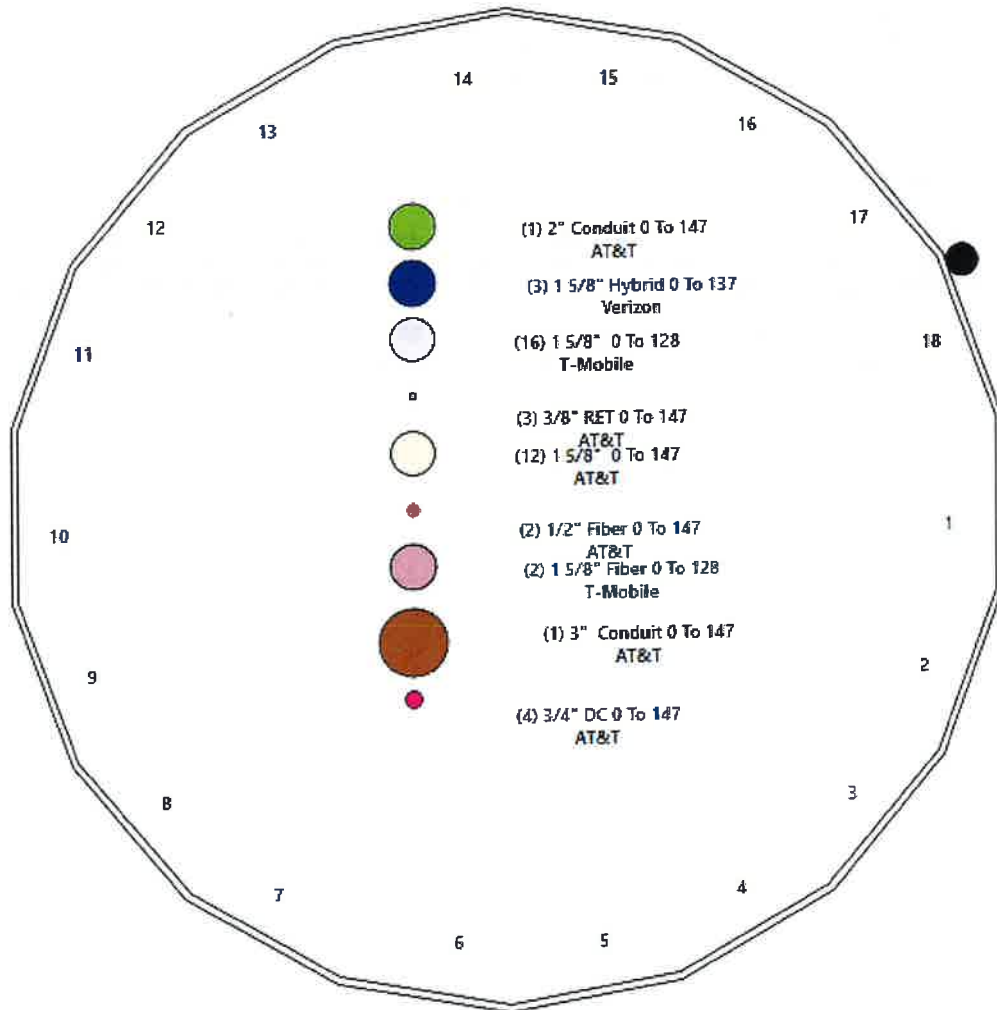
Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.0W 117 mph Wind	3309.4	29.2	43.4
0.9D + 1.0W 117 mph Wind	3252.9	29.1	32.5
1.2D + 1.0Di + 1.0Wi 50 mph Wind	948.9	8.5	62.4
1.2D + 1.0Ev + 1.0Eh	73.7	0.5	45.0
0.9D + 1.0Ev + 1.0Eh	72.5	0.5	34.1
1.0D + 1.0W 60 mph Wind	771.8	6.9	36.2

Structure: CT13058-A-SBA - Coax Line Placement

1/30/2024

Type: Monopole
Site Name: Southbury
Height: 149.00 (ft)

Page: 4



1.411\" Hybrid 0 To 87
Dish Wireless

Shaft Properties

Structure: CT13058-A-SBA	Code: TIA-222-H	1/30/2024
Site Name: Southbury	Exposure: B	
Height: 149.00 (ft)	Crest Height: 165.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 3	Struct Class: II



Page: 5

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	R	53.250	0.3125	65		0.00	8,242
2	R	53.500	0.3125	65	Slip	63.00	6,482
3	R	51.500	0.1875	65	Slip	48.00	2,683
Total Shaft Weight:							17,407

Sec. No.	Bottom						Top						Taper
	Dia (in)	Elev (ft)	Area (sqin)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	Ix (in ⁴)	W/t Ratio	D/t Ratio	
1	52.03	0.00	51.30	17334.33	27.95	166.50	40.31	53.25	39.68	8021.50	21.34	129.0	0.220000
2	42.09	48.00	41.44	9140.66	22.34	134.70	30.32	101.50	29.77	3387.67	15.70	97.04	0.220000
3	31.58	97.50	18.68	2326.07	28.29	168.43	20.25	149.00	11.94	607.16	17.63	108.0	0.220000

Load Summary

Structure: CT13058-A-SBA	Code: TIA-222-H	1/30/2024
Site Name: Southbury	Exposure: B	
Height: 149.00 (ft)	Crest Height: 165.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 3	Struct Class: II



Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice			Ice			Hor. Ecc. (ft)	Vert Ecc (ft)
				Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor		
1	147.00	Powerwave 7770.00	3	35.00	5.50	0.73	123.52	6.233	0.73	0.00	0.00
2	147.00	Powerwave LGP21401	6	14.10	1.29	0.50	31.65	1.877	0.50	0.00	0.00
3	147.00	Powerwave LGP13519	6	5.30	0.34	0.67	11.97	0.659	0.67	0.00	0.00
4	147.00	Platform w/ Hand Rail	1	1600.00	32.00	1.00	3073.82	51.599	1.00	0.00	0.00
5	147.00	Kathrein 80010965	3	108.60	13.81	0.71	308.65	14.905	0.71	0.00	0.00
6	147.00	B2 B66A 8843	3	70.00	1.64	0.67	102.27	2.002	0.67	0.00	0.00
7	147.00	4449 B5/B12	3	71.00	1.97	0.67	108.47	2.354	0.67	0.00	0.00
8	147.00	DC6-48-60-18-8F	1	31.80	0.92	1.00	75.19	1.227	1.00	0.00	0.00
9	147.00	DC6-48-60-18-8C	1	20.00	1.26	1.00	57.03	1.723	1.00	0.00	0.00
10	147.00	CCI HPA65R-BU6A	3	41.90	7.85	0.86	176.64	8.727	0.88	0.00	0.00
11	137.00	CBC78T-DS-43-2X	3	20.72	0.37	0.67	33.20	0.554	0.67	0.00	0.00
12	137.00	JMA Wireless MX06FHG865-HG	4	51.00	11.61	0.95	230.13	12.758	0.95	0.00	0.00
13	137.00	Samsung MT6413 77A	3	57.32	3.79	0.69	122.67	4.338	0.75	0.00	0.00
14	137.00	JMA Wireless MX06FRO840-02	4	98.00	17.20	0.81	370.50	18.435	0.81	0.00	0.00
15	137.00	Samsung B2/B66A RRH ORAN	4	74.70	1.87	0.50	110.34	2.254	0.50	0.00	0.00
16	137.00	Samsung B5/B13 RRH ORAN	4	79.10	1.87	0.50	116.84	2.254	0.50	0.00	0.00
17	137.00	Raycap RCMDC-6627-PF-48	1	32.00	4.06	1.00	111.54	4.634	1.00	0.00	0.00
18	137.00	Perfect Vision	1	3539.00	64.00	1.00	6988.45	97.062	1.00	0.00	0.00
19	127.50	RFS APX16DWV-16DWVS-C-A20	3	40.70	6.46	0.62	128.71	7.218	0.62	0.00	0.00
20	127.50	AIR 6449 B41	3	133.20	6.53	0.70	241.13	7.264	0.70	0.00	0.00
21	127.50	APXVAARR24_43-U-NA20	3	128.00	20.24	0.70	406.96	21.544	0.70	0.00	0.00
22	127.50	RFS ATMAA1412D-1A20	3	13.00	1.17	0.50	31.45	1.713	0.50	0.00	0.00
23	127.50	RFS ATMPP1412D-1CWA	3	12.50	1.17	0.50	29.49	1.725	0.50	0.00	0.00
24	127.50	Remec S20057A1	3	11.00	0.82	0.50	24.10	1.304	0.50	0.00	0.00
25	127.50	Kathrein 782 11054	3	2.60	0.28	0.50	7.14	0.559	0.50	0.00	0.00
26	127.50	Platform w/ Hand Rail and	1	1600.00	35.00	1.00	3057.84	56.204	1.00	0.00	0.00
27	127.50	4424 B25	3	45.00	2.19	0.67	83.45	2.865	0.67	0.00	0.00
28	127.50	4449	3	70.00	1.65	0.67	113.74	2.011	0.67	0.00	0.00
29	127.50	4415 B66A	3	44.10	1.86	0.67	77.04	2.257	0.67	0.00	0.00
30	87.00	MX08FRO665-21	3	64.50	12.49	0.74	260.34	13.476	0.74	0.00	0.00
31	87.00	TA08025-B604	3	63.90	1.96	0.67	97.99	2.338	0.67	0.00	0.00
32	87.00	TA08025-B605	3	75.00	1.96	0.50	110.22	2.338	0.50	0.00	0.00
33	87.00	RDIDC-9181-OF-48	1	21.90	2.01	1.00	57.75	2.393	1.00	0.00	0.00
34	87.00	MC-PK8-DSH	1	1727.00	35.59	1.00	2863.42	65.701	1.00	0.00	0.00
Totals:			96	13,223.42			27,619.48				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	147.00	(12) 1 5/8" Coax	0.00	Inside
0.00	147.00	(2) 1/2" Fiber	0.00	Inside
0.00	147.00	(1) 2" Conduit	0.00	Inside
0.00	147.00	(1) 3" Conduit	0.00	Inside
0.00	147.00	(4) 3/4" DC	0.00	Inside
0.00	147.00	(3) 3/8" RET	0.00	Inside
0.00	137.00	(3) 1 5/8" Hybrid	0.00	Inside

Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice			Ice			Hor. Ecc. (ft)	Vert Ecc (ft)
				Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor		
0.00	127.50	(16) 1 5/8" Coax		0.00		Inside					
0.00	127.50	(2) 1 5/8" Fiber		0.00		Inside					
0.00	87.00	(1) 1.411" Hybrid		1.41		Outside					

Shaft Section Properties

Structure: CT13058-A-SBA	Code: TIA-222-H	1/30/2024
Site Name: Southbury	Exposure: B	
Height: 149.00 (ft)	Crest Height: 165.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 3	Struct Class: II



Increment Length: 2 (ft)

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in ³)	Weight (lb)
0.00		0.3125	52.030	51.295	17334.3	27.95	166.50	68.5	656.2	0.0
2.00		0.3125	51.590	50.859	16895.7	27.70	165.09	68.8	645.0	347.6
4.00		0.3125	51.150	50.423	16464.4	27.45	163.68	69.1	634.0	344.6
6.00		0.3125	50.710	49.986	16040.6	27.20	162.27	69.4	623.0	341.7
8.00		0.3125	50.270	49.550	15624.2	26.95	160.86	69.7	612.2	338.7
10.00		0.3125	49.830	49.113	15214.9	26.71	159.46	70.0	601.4	335.7
12.00		0.3125	49.390	48.677	14813.0	26.46	158.05	70.3	590.7	332.8
14.00		0.3125	48.950	48.241	14418.1	26.21	156.64	70.6	580.1	329.8
16.00		0.3125	48.510	47.804	14030.3	25.96	155.23	70.9	569.7	326.8
18.00		0.3125	48.070	47.368	13649.6	25.71	153.82	71.2	559.3	323.8
20.00		0.3125	47.630	46.931	13275.8	25.46	152.42	71.5	549.0	320.9
22.00		0.3125	47.190	46.495	12908.9	25.22	151.01	71.7	538.8	317.9
24.00		0.3125	46.750	46.059	12548.8	24.97	149.60	72.0	528.7	314.9
26.00		0.3125	46.310	45.622	12195.4	24.72	148.19	72.3	518.7	312.0
28.00		0.3125	45.870	45.186	11848.8	24.47	146.78	72.6	508.8	309.0
30.00		0.3125	45.430	44.749	11508.8	24.22	145.38	72.9	499.0	306.0
32.00		0.3125	44.990	44.313	11175.3	23.97	143.97	73.2	489.2	303.1
34.00		0.3125	44.550	43.876	10848.4	23.73	142.56	73.5	479.6	300.1
36.00		0.3125	44.110	43.440	10527.9	23.48	141.15	73.8	470.1	297.1
38.00		0.3125	43.670	43.004	10213.8	23.23	139.74	74.1	460.7	294.1
40.00		0.3125	43.230	42.567	9906.0	22.98	138.34	74.4	451.3	291.2
42.00		0.3125	42.790	42.131	9604.4	22.73	136.93	74.7	442.1	288.2
44.00		0.3125	42.350	41.694	9309.0	22.49	135.52	75.0	432.9	285.2
46.00		0.3125	41.910	41.258	9019.8	22.24	134.11	75.2	423.9	282.3
48.00	Bot - Section 2	0.3125	41.470	40.822	8736.6	21.99	132.70	75.5	414.9	279.3
50.00		0.3125	41.030	40.385	8459.4	21.74	131.30	75.8	406.1	556.9
52.00		0.3125	40.590	39.949	8188.1	21.49	129.89	76.1	397.3	550.9
53.25	Top - Section 1	0.3125	40.940	40.296	8403.4	21.69	131.01	0.0	0.0	341.3
54.00		0.3125	40.775	40.132	8301.4	21.60	130.48	76.0	401.0	102.6
56.00		0.3125	40.335	39.696	8033.5	21.35	129.07	76.3	392.3	271.6
58.00		0.3125	39.895	39.259	7771.5	21.10	127.66	76.6	383.7	268.7
60.00		0.3125	39.455	38.823	7515.2	20.85	126.26	76.9	375.2	265.7
62.00		0.3125	39.015	38.387	7264.6	20.60	124.85	77.2	366.7	262.7
64.00		0.3125	38.575	37.950	7019.6	20.36	123.44	77.5	358.4	259.8
66.00		0.3125	38.135	37.514	6780.2	20.11	122.03	77.8	350.2	256.8
68.00		0.3125	37.695	37.077	6546.4	19.86	120.62	78.0	342.1	253.8
70.00		0.3125	37.255	36.641	6317.9	19.61	119.22	78.3	334.0	250.8
72.00		0.3125	36.815	36.205	6094.8	19.36	117.81	78.6	326.1	247.9
74.00		0.3125	36.375	35.768	5877.1	19.11	116.40	78.9	318.2	244.9
76.00		0.3125	35.935	35.332	5664.6	18.87	114.99	79.2	310.5	241.9
78.00		0.3125	35.495	34.895	5457.3	18.62	113.58	79.5	302.8	239.0
80.00		0.3125	35.055	34.459	5255.1	18.37	112.18	79.8	295.3	236.0
82.00		0.3125	34.615	34.023	5057.9	18.12	110.77	80.1	287.8	233.0
84.00		0.3125	34.175	33.586	4865.8	17.87	109.36	80.4	280.4	230.1
86.00		0.3125	33.735	33.150	4678.5	17.62	107.95	80.7	273.2	227.1
88.00		0.3125	33.295	32.713	4496.2	17.38	106.54	81.0	266.0	112.4
90.00		0.3125	32.855	32.277	4318.6	17.13	105.14	81.3	258.9	111.7
92.00		0.3125	32.415	31.841	4145.8	16.88	103.73	81.5	251.9	221.1
94.00		0.3125	31.975	31.404	3977.7	16.63	102.32	81.8	245.0	218.2
										215.2

Increment Length: 2 (ft)

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
96.00		0.3125	31.535	30.968	3814.1	16.38	100.91	82.1	238.2	212.2
97.50	Bot - Section 3	0.3125	31.205	30.640	3694.5	16.20	99.86	82.4	233.2	157.2
98.00		0.3125	31.095	30.531	3655.2	16.13	99.50	82.4	231.5	83.8
100.00		0.3125	30.655	30.095	3500.6	15.89	98.10	82.5	224.9	332.1
101.50	Top - Section 2	0.1875	30.700	18.158	2135.9	27.46	163.73	0.0	0.0	246.0
102.00		0.1875	30.590	18.093	2112.9	27.36	163.15	69.2	136.0	30.8
104.00		0.1875	30.150	17.831	2022.5	26.94	160.80	69.7	132.1	122.2
106.00		0.1875	29.710	17.569	1934.7	26.53	158.45	70.2	128.3	120.5
108.00		0.1875	29.270	17.307	1849.4	26.12	156.11	70.7	124.5	118.7
110.00		0.1875	28.830	17.045	1766.8	25.70	153.76	71.2	120.7	116.9
112.00		0.1875	28.390	16.783	1686.6	25.29	151.41	71.7	117.0	115.1
114.00		0.1875	27.950	16.522	1608.9	24.87	149.07	72.1	113.4	113.3
116.00		0.1875	27.510	16.260	1533.6	24.46	146.72	72.6	109.8	111.5
118.00		0.1875	27.070	15.998	1460.7	24.05	144.37	73.1	106.3	109.8
120.00		0.1875	26.630	15.736	1390.1	23.63	142.03	73.6	102.8	108.0
122.00		0.1875	26.190	15.474	1321.9	23.22	139.68	74.1	99.4	106.2
124.00		0.1875	25.750	15.212	1255.9	22.80	137.33	74.6	96.1	104.4
126.00		0.1875	25.310	14.950	1192.2	22.39	134.99	75.1	92.8	102.6
127.50		0.1875	24.980	14.754	1145.8	22.08	133.23	75.4	90.3	75.8
128.00		0.1875	24.870	14.689	1130.6	21.98	132.64	75.6	89.5	25.0
130.00		0.1875	24.430	14.427	1071.2	21.56	130.29	76.0	86.4	99.1
132.00		0.1875	23.990	14.165	1013.9	21.15	127.95	76.5	83.2	97.3
134.00		0.1875	23.550	13.903	958.7	20.74	125.60	77.0	80.2	95.5
136.00		0.1875	23.110	13.641	905.6	20.32	123.25	77.5	77.2	93.7
137.00		0.1875	22.890	13.510	879.8	20.12	122.08	77.7	75.7	46.2
138.00		0.1875	22.670	13.379	854.4	19.91	120.91	78.0	74.2	45.7
140.00		0.1875	22.230	13.118	805.2	19.49	118.56	78.5	71.3	90.2
142.00		0.1875	21.790	12.856	758.0	19.08	116.21	79.0	68.5	88.4
144.00		0.1875	21.350	12.594	712.6	18.67	113.87	79.4	65.7	86.6
146.00		0.1875	20.910	12.332	669.1	18.25	111.52	79.9	63.0	84.8
147.00		0.1875	20.690	12.201	648.0	18.05	110.35	80.2	61.7	41.7
148.00		0.1875	20.470	12.070	627.4	17.84	109.17	80.4	60.4	41.3
149.00		0.1875	20.250	11.939	607.2	17.63	108.00	80.7	59.1	40.8
										17406.7

Wind Loading - Shaft

Structure: CT13058-A-SBA	Code: TIA-222-H	1/30/2024
Site Name: Southbury	Exposure: B	
Height: 149.00 (ft)	Crest Height: 165.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 3	Struct Class: II



Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 30

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.27	0.70	28.817	31.70	479.25	0.630	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.27	0.70	28.776	31.65	474.86	0.630	0.000	2.00	8.768	5.52	174.9	0.0	417.1
4.00		1.27	0.70	28.734	31.61	470.47	0.630	0.000	2.00	8.694	5.48	173.1	0.0	413.6
6.00		1.27	0.70	28.693	31.56	466.09	0.630	0.000	2.00	8.619	5.43	171.4	0.0	410.0
8.00		1.26	0.70	28.652	31.52	461.71	0.630	0.000	2.00	8.545	5.38	169.7	0.0	406.4
10.00		1.26	0.70	28.611	31.47	457.35	0.630	0.000	2.00	8.470	5.34	167.9	0.0	402.9
12.00		1.26	0.70	28.571	31.43	452.99	0.630	0.000	2.00	8.396	5.29	166.2	0.0	399.3
14.00		1.26	0.70	28.531	31.38	448.64	0.630	0.000	2.00	8.321	5.24	164.5	0.0	395.7
16.00		1.26	0.70	28.491	31.34	444.29	0.630	0.000	2.00	8.247	5.20	162.8	0.0	392.2
18.00		1.26	0.70	28.452	31.30	439.96	0.630	0.000	2.00	8.172	5.15	161.1	0.0	388.6
20.00		1.25	0.70	28.412	31.25	435.63	0.630	0.000	2.00	8.098	5.10	159.4	0.0	385.1
22.00		1.25	0.70	28.373	31.21	431.31	0.630	0.000	2.00	8.024	5.05	157.8	0.0	381.5
24.00		1.25	0.70	28.335	31.17	427.00	0.630	0.000	2.00	7.949	5.01	156.1	0.0	377.9
26.00		1.25	0.70	28.296	31.13	422.69	0.630	0.000	2.00	7.875	4.96	154.4	0.0	374.4
28.00		1.25	0.70	28.258	31.08	418.40	0.630	0.000	2.00	7.800	4.91	152.8	0.0	370.8
30.00		1.24	0.70	28.244	31.07	414.28	0.630	0.000	2.00	7.726	4.87	151.2	0.0	367.2
32.00		1.24	0.71	28.732	31.60	413.79	0.630	0.000	2.00	7.651	4.82	152.3	0.0	363.7
34.00		1.24	0.73	29.195	32.11	413.03	0.630	0.000	2.00	7.577	4.77	153.3	0.0	360.1
36.00		1.24	0.74	29.637	32.60	412.04	0.630	0.000	2.00	7.502	4.73	154.1	0.0	356.5
38.00		1.24	0.75	30.059	33.06	410.82	0.630	0.000	2.00	7.428	4.68	154.7	0.0	353.0
40.00		1.24	0.76	30.463	33.51	409.41	0.630	0.000	2.00	7.353	4.63	155.2	0.0	349.4
42.00		1.24	0.77	30.850	33.94	407.81	0.630	0.000	2.00	7.279	4.59	155.6	0.0	345.9
44.00		1.23	0.78	31.223	34.35	406.05	0.630	0.000	2.00	7.204	4.54	155.9	0.0	342.3
46.00		1.23	0.79	31.582	34.74	404.13	0.630	0.000	2.00	7.130	4.49	156.0	0.0	338.7
48.00 Bot - Section 2		1.23	0.80	31.927	35.12	402.07	0.630	0.000	2.00	7.056	4.44	156.1	0.0	335.2
50.00		1.23	0.81	32.261	35.49	399.88	0.630	0.000	2.00	7.087	4.46	158.4	0.0	331.7
52.00		1.23	0.82	32.584	35.84	397.56	0.630	0.000	2.00	7.012	4.42	158.3	0.0	328.2
53.25 Top - Section 1		1.23	0.83	32.780	36.06	396.05	0.630	0.000	1.25	4.345	2.74	98.7	0.0	409.6
54.00		1.23	0.83	32.896	36.19	401.28	0.630	0.000	0.75	2.593	1.63	59.1	0.0	123.2
56.00		1.22	0.84	33.198	36.52	398.77	0.630	0.000	2.00	6.863	4.32	157.9	0.0	326.0
58.00		1.22	0.85	33.491	36.84	396.16	0.630	0.000	2.00	6.789	4.28	157.6	0.0	322.4
60.00		1.22	0.85	33.776	37.15	393.45	0.630	0.000	2.00	6.715	4.23	157.2	0.0	318.8
62.00		1.22	0.86	34.052	37.46	390.65	0.630	0.000	2.00	6.640	4.18	156.7	0.0	315.3
64.00		1.22	0.87	34.320	37.75	387.76	0.630	0.000	2.00	6.566	4.14	156.2	0.0	311.7
66.00		1.22	0.88	34.582	38.04	384.80	0.630	0.000	2.00	6.491	4.09	155.6	0.0	308.1
68.00		1.22	0.89	34.836	38.32	381.75	0.630	0.000	2.00	6.417	4.04	154.9	0.0	304.6
70.00		1.21	0.89	35.084	38.59	378.64	0.630	0.000	2.00	6.342	4.00	154.2	0.0	301.0
72.00		1.21	0.90	35.326	38.86	375.45	0.630	0.000	2.00	6.268	3.95	153.4	0.0	297.5
74.00		1.21	0.91	35.561	39.12	372.20	0.630	0.000	2.00	6.193	3.90	152.6	0.0	293.9
76.00		1.21	0.91	35.791	39.37	368.89	0.630	0.000	2.00	6.119	3.85	151.8	0.0	290.3
78.00		1.21	0.92	36.016	39.62	365.51	0.630	0.000	2.00	6.044	3.81	150.9	0.0	286.8
80.00		1.21	0.93	36.235	39.86	362.08	0.630	0.000	2.00	5.970	3.76	149.9	0.0	283.2
82.00		1.21	0.93	36.450	40.09	358.59	0.630	0.000	2.00	5.895	3.71	148.9	0.0	279.6
84.00		1.20	0.94	36.660	40.33	355.05	0.630	0.000	2.00	5.821	3.67	147.9	0.0	276.1
86.00		1.20	0.95	36.865	40.55	351.46	0.630	0.000	2.00	5.746	3.62	146.8	0.0	272.5
87.00 Appurtenance(s)		1.20	0.95	36.966	40.66	349.64	0.630	0.000	1.00	2.845	1.79	72.9	0.0	134.9
88.00		1.20	0.95	37.066	40.77	347.82	0.630	0.000	1.00	2.827	1.78	72.6	0.0	134.0

Wind Loading - Shaft

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

1/30/2024



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90.00	1.20	0.96	37.263	40.99	344.13	0.630	0.000	2.00	5.598	3.53	144.5	0.0	265.4			
92.00	1.20	0.96	37.456	41.20	340.40	0.630	0.000	2.00	5.523	3.48	143.4	0.0	261.8			
94.00	1.20	0.97	37.645	41.41	336.63	0.630	0.000	2.00	5.449	3.43	142.1	0.0	258.2			
96.00	1.20	0.98	37.830	41.61	332.81	0.630	0.000	2.00	5.374	3.39	140.9	0.0	254.7			
97.50 Bot - Section 3	1.19	0.98	37.966	41.76	329.92	0.630	0.000	1.50	3.982	2.51	104.8	0.0	188.7			
98.00	1.19	0.98	38.012	41.81	328.95	0.630	0.000	0.50	1.334	0.84	35.1	0.0	100.5			
100.00	1.19	0.99	38.190	42.01	325.06	0.630	0.000	2.00	5.289	3.33	140.0	0.0	398.5			
101.50 Top - Section 2	1.19	0.99	38.321	42.15	322.11	0.630	0.000	1.50	3.918	2.47	104.0	0.0	295.1			
102.00	1.19	0.99	38.365	42.20	325.11	0.630	0.000	0.50	1.297	0.82	34.5	0.0	37.0			
104.00	1.19	1.00	38.537	42.39	321.15	0.630	0.000	2.00	5.140	3.24	137.3	0.0	146.7			
106.00	1.19	1.00	38.705	42.58	317.16	0.630	0.000	2.00	5.065	3.19	135.9	0.0	144.5			
108.00	1.19	1.01	38.871	42.76	313.13	0.630	0.000	2.00	4.991	3.14	134.4	0.0	142.4			
110.00	1.19	1.02	39.034	42.94	309.07	0.630	0.000	2.00	4.916	3.10	133.0	0.0	140.3			
112.00	1.19	1.02	39.194	43.11	304.97	0.630	0.000	2.00	4.842	3.05	131.5	0.0	138.1			
114.00	1.18	1.03	39.352	43.29	300.85	0.630	0.000	2.00	4.767	3.00	130.0	0.0	136.0			
116.00	1.18	1.03	39.506	43.46	296.70	0.630	0.000	2.00	4.693	2.96	128.5	0.0	133.9			
118.00	1.18	1.04	39.659	43.62	292.51	0.630	0.000	2.00	4.618	2.91	126.9	0.0	131.7			
120.00	1.18	1.04	39.809	43.79	288.30	0.630	0.000	2.00	4.544	2.86	125.4	0.0	129.6			
122.00	1.18	1.05	39.956	43.95	284.06	0.630	0.000	2.00	4.470	2.82	123.8	0.0	127.4			
124.00	1.18	1.05	40.101	44.11	279.80	0.630	0.000	2.00	4.395	2.77	122.1	0.0	125.3			
126.00	1.18	1.06	40.244	44.27	275.51	0.630	0.000	2.00	4.321	2.72	120.5	0.0	123.2			
127.50 Appurtenance(s)	1.18	1.06	40.350	44.39	272.27	0.630	0.000	1.50	3.192	2.01	89.2	0.0	91.0			
128.00	1.18	1.06	40.385	44.42	271.19	0.630	0.000	0.50	1.055	0.66	29.5	0.0	30.1			
130.00	1.17	1.07	40.524	44.58	266.85	0.630	0.000	2.00	4.172	2.63	117.2	0.0	118.9			
132.00	1.17	1.07	40.661	44.73	262.48	0.630	0.000	2.00	4.097	2.58	115.5	0.0	116.7			
134.00	1.17	1.07	40.796	44.88	258.10	0.630	0.000	2.00	4.023	2.53	113.7	0.0	114.6			
136.00	1.17	1.08	40.928	45.02	253.69	0.630	0.000	2.00	3.948	2.49	112.0	0.0	112.5			
137.00 Appurtenance(s)	1.17	1.08	40.994	45.09	251.47	0.630	0.000	1.00	1.946	1.23	55.3	0.0	55.4			
138.00	1.17	1.08	41.059	45.17	249.25	0.630	0.000	1.00	1.928	1.21	54.8	0.0	54.9			
140.00	1.17	1.09	41.189	45.31	244.80	0.630	0.000	2.00	3.799	2.39	108.4	0.0	108.2			
142.00	1.17	1.09	41.316	45.45	240.33	0.630	0.000	2.00	3.725	2.35	106.7	0.0	106.1			
144.00	1.17	1.10	41.442	45.59	235.83	0.630	0.000	2.00	3.650	2.30	104.8	0.0	103.9			
146.00	1.17	1.10	41.566	45.72	231.32	0.630	0.000	2.00	3.576	2.25	103.0	0.0	101.8			
147.00 Appurtenance(s)	1.17	1.10	41.627	45.79	229.05	0.630	0.000	1.00	1.760	1.11	50.8	0.0	50.1			
148.00	1.16	1.11	41.688	45.86	226.78	0.630	0.000	1.00	1.741	1.10	50.3	0.0	49.6			
149.00	1.16	1.11	41.749	45.92	224.51	0.630	0.000	1.00	1.723	1.09	49.8	0.0	49.0			
Totals:								149.00				10,708.8				20,888.1

Discrete Appurtenance Forces

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Topography: 3

Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

1/30/2024

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Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 30

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	147.00	Kathrein 80010965	3	41.627	45.790	0.53	0.75	22.06	390.96	0.000	0.000	1010.19	0.00	0.00
2	147.00	Powerwave 7770.00	3	41.627	45.790	0.55	0.75	9.03	126.00	0.000	0.000	413.65	0.00	0.00
3	147.00	Powerwave LGP21401	6	41.627	45.790	0.38	0.75	2.90	101.52	0.000	0.000	132.90	0.00	0.00
4	147.00	Powerwave LGP13519	6	41.627	45.790	0.50	0.75	1.03	38.16	0.000	0.000	46.94	0.00	0.00
5	147.00	Platform w/ Hand Rail	1	41.627	45.790	1.00	1.00	32.00	1920.00	0.000	0.000	1465.27	0.00	0.00
6	147.00	CCI HPA65R-BU6A	3	41.627	45.790	0.64	0.75	15.14	150.84	0.000	0.000	693.11	0.00	0.00
7	147.00	4449 B5/B12	3	41.627	45.790	0.50	0.75	2.97	255.60	0.000	0.000	135.99	0.00	0.00
8	147.00	DC6-48-60-18-8F	1	41.627	45.790	0.75	0.75	0.69	38.16	0.000	0.000	31.59	0.00	0.00
9	147.00	DC6-48-60-18-8C	1	41.627	45.790	0.75	0.75	0.95	24.00	0.000	0.000	43.27	0.00	0.00
10	147.00	B2 B66A 8843	3	41.627	45.790	0.50	0.75	2.47	252.00	0.000	0.000	113.21	0.00	0.00
11	137.00	JMA Wireless	4	40.994	45.094	0.61	0.75	41.80	470.40	0.000	0.000	1884.73	0.00	0.00
12	137.00	JMA Wireless	4	40.994	45.094	0.71	0.75	33.09	244.80	0.000	0.000	1492.08	0.00	0.00
13	137.00	Samsung MT6413 77A	3	40.994	45.094	0.52	0.75	5.91	206.35	0.000	0.000	266.48	0.00	0.00
14	137.00	Raycap	1	40.994	45.094	0.75	0.75	3.04	38.40	0.000	0.000	137.31	0.00	0.00
15	137.00	Samsung B2/B66A RRH	4	40.994	45.094	0.38	0.75	2.81	358.56	0.000	0.000	126.49	0.00	0.00
16	137.00	Samsung B5/B13 RRH	4	40.994	45.094	0.38	0.75	2.81	379.68	0.000	0.000	126.49	0.00	0.00
17	137.00	Perfect Vision	1	40.994	45.094	1.00	1.00	64.00	4246.80	0.000	0.000	2885.99	0.00	0.00
18	137.00	CBC78T-DS-43-2X	3	40.994	45.094	0.50	0.75	0.56	74.59	0.000	0.000	25.15	0.00	0.00
19	127.50	RFS ATMPP1412D-1CWA	3	40.350	44.385	0.38	0.75	1.32	45.00	0.000	0.000	58.42	0.00	0.00
20	127.50	RFS	3	40.350	44.385	0.46	0.75	9.01	146.52	0.000	0.000	399.99	0.00	0.00
21	127.50	AIR 6449 B41	3	40.350	44.385	0.52	0.75	10.28	479.52	0.000	0.000	456.49	0.00	0.00
22	127.50	APXVAARR24_43-U-NA2	3	40.350	44.385	0.52	0.75	31.88	460.80	0.000	0.000	1414.92	0.00	0.00
23	127.50	RFS ATMAA1412D-1A20	3	40.350	44.385	0.38	0.75	1.32	46.80	0.000	0.000	58.42	0.00	0.00
24	127.50	4415 B66A	3	40.350	44.385	0.50	0.75	2.80	158.76	0.000	0.000	124.45	0.00	0.00
25	127.50	Remec S20057A1	3	40.350	44.385	0.38	0.75	0.92	39.60	0.000	0.000	40.95	0.00	0.00
26	127.50	Kathrein 782 11054	3	40.350	44.385	0.38	0.75	0.32	9.36	0.000	0.000	13.98	0.00	0.00
27	127.50	Platform w/ Hand Rail and	1	40.350	44.385	1.00	1.00	35.00	1920.00	0.000	0.000	1553.49	0.00	0.00
28	127.50	4424 B25	3	40.350	44.385	0.50	0.75	3.30	162.00	0.000	0.000	146.53	0.00	0.00
29	127.50	4449	3	40.350	44.385	0.50	0.75	2.49	252.00	0.000	0.000	110.40	0.00	0.00
30	87.00	MC-PK8-DSH	1	36.966	40.663	1.00	1.00	35.59	2072.40	0.000	0.000	1447.18	0.00	0.00
31	87.00	RDIDC-9181-OF-48	1	36.966	40.663	0.75	0.75	1.51	26.28	0.000	0.000	61.30	0.00	0.00
32	87.00	TA08025-B605	3	36.966	40.663	0.38	0.75	2.21	270.00	0.000	0.000	89.66	0.00	0.00
33	87.00	TA08025-B604	3	36.966	40.663	0.50	0.75	2.95	230.04	0.000	0.000	120.15	0.00	0.00
34	87.00	MX08FRO665-21	3	36.966	40.663	0.55	0.75	20.80	232.20	0.000	0.000	845.61	0.00	0.00
Totals:									15,868.10			17,972.78		

Total Applied Force Summary

Structure: CT13058-A-SBA	Code: TIA-222-H	1/30/2024
Site Name: Southbury	Exposure: B	
Height: 149.00 (ft)	Crest Height: 165.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 3	Struct Class: II



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Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 30

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
2.00		183.78	515.65	0.00	0.00
4.00		182.03	512.09	0.00	0.00
6.00		180.29	508.52	0.00	0.00
8.00		178.55	504.96	0.00	0.00
10.00		176.82	501.39	0.00	0.00
12.00		175.10	497.83	0.00	0.00
14.00		173.38	494.27	0.00	0.00
16.00		171.67	490.70	0.00	0.00
18.00		169.96	487.14	0.00	0.00
20.00		168.26	483.57	0.00	0.00
22.00		166.57	480.01	0.00	0.00
24.00		164.88	476.45	0.00	0.00
26.00		163.19	472.88	0.00	0.00
28.00		161.52	469.32	0.00	0.00
30.00		159.98	465.75	0.00	0.00
32.00		161.26	462.19	0.00	0.00
34.00		162.35	458.63	0.00	0.00
36.00		163.28	455.06	0.00	0.00
38.00		164.05	451.50	0.00	0.00
40.00		164.68	447.93	0.00	0.00
42.00		165.19	444.37	0.00	0.00
44.00		165.57	440.81	0.00	0.00
46.00		165.84	437.24	0.00	0.00
48.00		166.01	433.68	0.00	0.00
50.00		168.45	766.77	0.00	0.00
52.00		168.45	759.64	0.00	0.00
53.25		105.06	471.16	0.00	0.00
54.00		62.94	160.10	0.00	0.00
56.00		168.20	424.49	0.00	0.00
58.00		167.96	420.92	0.00	0.00
60.00		167.64	417.36	0.00	0.00
62.00		167.25	413.79	0.00	0.00
64.00		166.80	410.23	0.00	0.00
66.00		166.29	406.67	0.00	0.00
68.00		165.71	403.10	0.00	0.00
70.00		165.08	399.54	0.00	0.00
72.00		164.40	395.97	0.00	0.00
74.00		163.66	392.41	0.00	0.00
76.00		162.87	388.84	0.00	0.00
78.00		162.03	385.28	0.00	0.00
80.00		161.15	381.72	0.00	0.00
82.00		160.22	378.15	0.00	0.00
84.00		159.25	374.59	0.00	0.00
86.00		158.24	371.02	0.00	0.00
87.00	(11) attachments	2642.52	3015.10	0.00	0.00
88.00		72.61	181.92	0.00	0.00

Total Applied Force Summary

Structure: CT13058-A-SBA	Code: TIA-222-H	1/30/2024
Site Name: Southbury	Exposure: B	
Height: 149.00 (ft)	Crest Height: 165.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 3	Struct Class: II



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90.00		144.55	361.16	0.00	0.00
92.00		143.36	357.60	0.00	0.00
94.00		142.14	354.03	0.00	0.00
96.00		140.89	350.47	0.00	0.00
97.50		104.76	260.51	0.00	0.00
98.00		35.14	124.47	0.00	0.00
100.00		139.97	494.31	0.00	0.00
101.50		104.04	366.99	0.00	0.00
102.00		34.47	60.95	0.00	0.00
104.00		137.26	242.47	0.00	0.00
106.00		135.87	240.33	0.00	0.00
108.00		134.44	238.19	0.00	0.00
110.00		132.99	236.06	0.00	0.00
112.00		131.51	233.92	0.00	0.00
114.00		130.01	231.78	0.00	0.00
116.00		128.48	229.64	0.00	0.00
118.00		126.93	227.50	0.00	0.00
120.00		125.36	225.36	0.00	0.00
122.00		123.76	223.23	0.00	0.00
124.00		122.14	221.09	0.00	0.00
126.00		120.50	218.95	0.00	0.00
127.50	(31) attachments	4467.29	3883.17	0.00	0.00
128.00		29.51	42.70	0.00	0.00
130.00		117.15	169.46	0.00	0.00
132.00		115.45	167.32	0.00	0.00
134.00		113.73	165.18	0.00	0.00
136.00		111.99	163.04	0.00	0.00
137.00	(24) attachments	7000.00	6100.30	0.00	0.00
138.00		54.85	76.22	0.00	0.00
140.00		108.45	150.84	0.00	0.00
142.00		106.65	148.71	0.00	0.00
144.00		104.84	146.57	0.00	0.00
146.00		103.01	144.43	0.00	0.00
147.00	(30) attachments	4136.89	3368.65	0.00	0.00
148.00		50.31	49.55	0.00	0.00
149.00		49.84	49.02	0.00	0.00
	Totals:	29,109.54	43,434.88	0.00	0.00

Linear Appurtenance Segment Forces (Factored)

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

1/30/2024

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Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 30

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
2.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.776	8.93	2.74
4.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.734	8.91	2.74
6.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.693	8.90	2.74
8.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.652	8.89	2.74
10.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.611	8.88	2.74
12.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.571	8.86	2.74
14.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.531	8.85	2.74
16.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.491	8.84	2.74
18.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.452	8.83	2.74
20.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.412	8.81	2.74
22.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.373	8.80	2.74
24.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.335	8.79	2.74
26.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.296	8.78	2.74
28.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.258	8.77	2.74
30.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.244	8.76	2.74
32.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.732	8.91	2.74
34.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	29.195	9.06	2.74
36.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	29.637	9.19	2.74
38.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	30.059	9.32	2.74
40.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	30.463	9.45	2.74
42.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	30.850	9.57	2.74
44.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	31.223	9.69	2.74
46.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	31.582	9.80	2.74
48.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	31.927	9.90	2.74
50.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	32.261	10.01	2.74
52.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	32.584	10.11	2.74
53.25	1.411" Hybrid	Yes	1.25	1.200	1.41	0.15	0.18	0.000	0.000	32.780	6.36	1.71
54.00	1.411" Hybrid	Yes	0.75	1.200	1.41	0.09	0.11	0.000	0.000	32.896	3.83	1.03
56.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	33.198	10.30	2.74
58.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	33.491	10.39	2.74
60.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	33.776	10.48	2.74
62.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	34.052	10.56	2.74
64.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	34.320	10.65	2.74
66.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	34.582	10.73	2.74
68.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	34.836	10.81	2.74
70.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	35.084	10.88	2.74
72.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	35.326	10.96	2.74
74.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	35.561	11.03	2.74
76.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	35.791	11.10	2.74
78.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	36.016	11.17	2.74
80.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	36.235	11.24	2.74
82.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	36.450	11.31	2.74
84.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	36.660	11.37	2.74
86.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	36.865	11.44	2.74
87.00	1.411" Hybrid	Yes	1.00	1.200	1.41	0.12	0.14	0.000	0.000	36.966	5.73	1.37
Totals:											427.9	119.0

Calculated Forces

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Topography: 3

Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

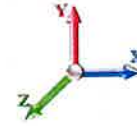
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Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 30

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-43.41	-29.15	0.00	-3309.4	0.00	3309.43	3163.75	900.24	3862.85	3372.69	0.00	0.000	0.000	0.996
2.00	-42.84	-29.05	0.00	-3251.1	0.00	3251.13	3150.20	892.58	3797.40	3329.51	0.02	-0.108	0.000	0.991
4.00	-42.27	-28.94	0.00	-3193.0	0.00	3193.03	3136.42	884.92	3732.51	3286.32	0.09	-0.216	0.000	0.986
6.00	-41.71	-28.84	0.00	-3135.1	0.00	3135.15	3122.41	877.26	3668.18	3243.16	0.21	-0.326	0.000	0.981
8.00	-41.15	-28.74	0.00	-3077.4	0.00	3077.46	3108.17	869.60	3604.41	3200.01	0.37	-0.436	0.000	0.976
10.00	-40.59	-28.64	0.00	-3019.9	0.00	3019.99	3093.71	861.94	3541.20	3156.89	0.57	-0.547	0.000	0.971
12.00	-40.04	-28.54	0.00	-2962.7	0.00	2962.71	3079.01	854.28	3478.55	3113.79	0.83	-0.659	0.000	0.966
14.00	-39.49	-28.43	0.00	-2905.6	0.00	2905.64	3064.08	846.62	3416.45	3070.74	1.13	-0.771	0.000	0.960
16.00	-38.95	-28.33	0.00	-2848.7	0.00	2848.78	3048.92	838.96	3354.92	3027.73	1.48	-0.885	0.000	0.955
18.00	-38.41	-28.23	0.00	-2792.1	0.00	2792.11	3033.54	831.30	3293.94	2984.78	1.87	-0.999	0.000	0.949
20.00	-37.87	-28.13	0.00	-2735.6	0.00	2735.65	3017.92	823.65	3233.53	2941.88	2.32	-1.114	0.000	0.944
22.00	-37.34	-28.03	0.00	-2679.3	0.00	2679.39	3002.08	815.99	3173.67	2899.04	2.81	-1.231	0.000	0.938
24.00	-36.81	-27.93	0.00	-2623.3	0.00	2623.33	2986.01	808.33	3114.37	2856.27	3.35	-1.347	0.000	0.932
26.00	-36.28	-27.83	0.00	-2567.4	0.00	2567.47	2969.70	800.67	3055.63	2813.58	3.94	-1.465	0.000	0.926
28.00	-35.76	-27.73	0.00	-2511.8	0.00	2511.81	2953.17	793.01	2997.46	2770.98	4.58	-1.584	0.000	0.920
30.00	-35.24	-27.63	0.00	-2456.3	0.00	2456.35	2936.41	785.35	2939.84	2728.46	5.27	-1.703	0.000	0.914
32.00	-34.72	-27.53	0.00	-2401.0	0.00	2401.09	2919.42	777.69	2882.77	2686.03	6.01	-1.823	0.000	0.907
34.00	-34.21	-27.42	0.00	-2346.0	0.00	2346.03	2902.20	770.03	2826.27	2643.71	6.80	-1.944	0.000	0.900
36.00	-33.71	-27.32	0.00	-2291.1	0.00	2291.19	2884.75	762.37	2770.33	2601.49	7.64	-2.065	0.000	0.894
38.00	-33.20	-27.21	0.00	-2236.5	0.00	2236.56	2867.07	754.71	2714.95	2559.39	8.53	-2.188	0.000	0.887
40.00	-32.70	-27.10	0.00	-2182.1	0.00	2182.14	2849.16	747.06	2660.12	2517.41	9.47	-2.311	0.000	0.880
42.00	-32.21	-26.98	0.00	-2127.9	0.00	2127.95	2831.02	739.40	2605.86	2475.55	10.47	-2.435	0.000	0.872
44.00	-31.72	-26.87	0.00	-2073.9	0.00	2073.99	2812.65	731.74	2552.15	2433.83	11.51	-2.559	0.000	0.865
46.00	-31.23	-26.75	0.00	-2020.2	0.00	2020.26	2794.05	724.08	2499.01	2392.24	12.61	-2.684	0.000	0.857
48.00	-30.75	-26.63	0.00	-1966.7	0.00	1966.76	2775.23	716.42	2446.42	2350.80	13.76	-2.810	0.000	0.849
50.00	-29.93	-26.49	0.00	-1913.5	0.00	1913.50	2756.17	708.76	2394.39	2309.51	14.97	-2.936	0.000	0.841
52.00	-29.13	-26.33	0.00	-1860.5	0.00	1860.52	2736.89	701.10	2342.92	2268.38	16.23	-3.063	0.000	0.832
53.25	-28.64	-26.24	0.00	-1827.6	0.00	1827.61	2752.25	707.19	2383.82	2301.09	17.04	-3.143	0.000	0.806
54.00	-28.44	-26.21	0.00	-1807.9	0.00	1807.93	2745.02	704.32	2364.50	2285.66	17.54	-3.192	0.000	0.803
56.00	-27.97	-26.07	0.00	-1755.5	0.00	1755.52	2725.61	696.66	2313.35	2244.62	18.90	-3.314	0.000	0.794
58.00	-27.51	-25.94	0.00	-1703.3	0.00	1703.37	2705.96	689.00	2262.76	2203.75	20.31	-3.436	0.000	0.785
60.00	-27.05	-25.81	0.00	-1651.4	0.00	1651.49	2686.08	681.34	2212.74	2163.06	21.78	-3.559	0.000	0.775
62.00	-26.59	-25.67	0.00	-1599.8	0.00	1599.88	2665.98	673.69	2163.27	2122.54	23.30	-3.682	0.000	0.765
64.00	-26.13	-25.53	0.00	-1548.5	0.00	1548.54	2645.64	666.03	2114.36	2082.21	24.86	-3.806	0.000	0.755
66.00	-25.69	-25.40	0.00	-1497.4	0.00	1497.47	2625.07	658.37	2066.01	2042.08	26.48	-3.929	0.000	0.745
68.00	-25.24	-25.26	0.00	-1446.6	0.00	1446.68	2604.28	650.71	2018.23	2002.14	28.15	-4.053	0.000	0.734
70.00	-24.80	-25.12	0.00	-1396.1	0.00	1396.17	2583.26	643.05	1971.00	1962.41	29.88	-4.176	0.000	0.723
72.00	-24.36	-24.98	0.00	-1345.9	0.00	1345.93	2562.00	635.39	1924.32	1922.89	31.65	-4.300	0.000	0.711
74.00	-23.93	-24.84	0.00	-1295.9	0.00	1295.98	2540.52	627.73	1878.21	1883.58	33.48	-4.423	0.000	0.699
76.00	-23.50	-24.69	0.00	-1246.3	0.00	1246.31	2518.81	620.07	1832.66	1844.50	35.36	-4.546	0.000	0.687
78.00	-23.08	-24.55	0.00	-1196.9	0.00	1196.93	2496.87	612.41	1787.67	1805.66	37.29	-4.669	0.000	0.674
80.00	-22.66	-24.41	0.00	-1147.8	0.00	1147.83	2474.70	604.76	1743.23	1767.05	39.27	-4.791	0.000	0.660
82.00	-22.25	-24.26	0.00	-1099.0	0.00	1099.02	2452.30	597.10	1699.36	1728.68	41.30	-4.913	0.000	0.646
84.00	-21.84	-24.12	0.00	-1050.5	0.00	1050.50	2429.67	589.44	1656.04	1690.56	43.38	-5.033	0.000	0.632
86.00	-21.44	-23.96	0.00	-1002.2	0.00	1002.27	2406.81	581.78	1613.28	1652.69	45.51	-5.153	0.000	0.617
87.00	-18.66	-21.07	0.00	-978.31	0.00	978.31	2395.29	577.95	1592.12	1633.86	46.60	-5.214	0.000	0.608
88.00	-18.45	-21.01	0.00	-957.23	0.00	957.23	2383.72	574.12	1571.09	1615.09	47.69	-5.274	0.000	0.602
90.00	-18.06	-20.87	0.00	-915.21	0.00	915.21	2360.40	566.46	1529.45	1577.76	49.93	-5.392	0.000	0.589

Calculated Forces

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

1/30/2024

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92.00	-17.68	-20.73	0.00	-873.46	0.00	873.46	2336.86	558.80	1488.37	1540.70	52.21	-5.510	0.000	0.576
94.00	-17.30	-20.59	0.00	-831.99	0.00	831.99	2313.08	551.14	1447.85	1503.92	54.54	-5.627	0.000	0.562
96.00	-16.92	-20.45	0.00	-790.80	0.00	790.80	2289.08	543.48	1407.89	1467.43	56.92	-5.743	0.000	0.548
97.50	-16.66	-20.33	0.00	-760.13	0.00	760.13	2270.92	537.74	1378.29	1440.25	58.73	-5.830	0.000	0.537
98.00	-16.51	-20.31	0.00	-749.97	0.00	749.97	2264.84	535.82	1368.49	1431.23	59.34	-5.859	0.000	0.533
100.00	-16.00	-20.15	0.00	-709.35	0.00	709.35	2235.90	528.17	1329.64	1392.54	61.82	-5.973	0.000	0.518
101.50	-15.62	-20.02	0.00	-679.13	0.00	679.13	1129.30	318.67	806.75	710.20	63.70	-6.057	0.000	0.974
102.00	-15.53	-20.01	0.00	-669.13	0.00	669.13	1127.21	317.53	800.95	706.31	64.34	-6.086	0.000	0.965
104.00	-15.24	-19.89	0.00	-629.11	0.00	629.11	1118.71	312.93	777.93	690.78	66.92	-6.260	0.000	0.928
106.00	-14.96	-19.77	0.00	-589.34	0.00	589.34	1109.97	308.33	755.25	675.26	69.58	-6.432	0.000	0.890
108.00	-14.68	-19.65	0.00	-549.79	0.00	549.79	1101.01	303.74	732.91	659.76	72.30	-6.599	0.000	0.851
110.00	-14.41	-19.54	0.00	-510.48	0.00	510.48	1091.82	299.14	710.90	644.29	75.10	-6.762	0.000	0.810
112.00	-14.14	-19.42	0.00	-471.42	0.00	471.42	1082.40	294.55	689.22	628.86	77.96	-6.920	0.000	0.767
114.00	-13.88	-19.29	0.00	-432.59	0.00	432.59	1072.75	289.95	667.88	613.46	80.88	-7.073	0.000	0.723
116.00	-13.62	-19.17	0.00	-394.00	0.00	394.00	1062.87	285.36	646.88	598.11	83.87	-7.219	0.000	0.676
118.00	-13.36	-19.05	0.00	-355.66	0.00	355.66	1052.76	280.76	626.22	582.82	86.92	-7.358	0.000	0.628
120.00	-13.11	-18.92	0.00	-317.56	0.00	317.56	1042.42	276.17	605.88	567.58	90.02	-7.489	0.000	0.577
122.00	-12.87	-18.80	0.00	-279.71	0.00	279.71	1031.85	271.57	585.89	552.42	93.18	-7.612	0.000	0.524
124.00	-12.63	-18.67	0.00	-242.11	0.00	242.11	1021.06	266.98	566.23	537.32	96.38	-7.724	0.000	0.468
126.00	-12.40	-18.54	0.00	-204.77	0.00	204.77	1010.03	262.38	546.90	522.30	99.63	-7.825	0.000	0.409
127.50	-9.16	-13.59	0.00	-176.96	0.00	176.96	1001.61	258.93	532.63	511.09	102.09	-7.893	0.000	0.358
128.00	-9.11	-13.56	0.00	-170.16	0.00	170.16	998.77	257.79	527.91	507.37	102.92	-7.915	0.000	0.347
130.00	-8.94	-13.44	0.00	-143.03	0.00	143.03	987.29	253.19	509.26	492.52	106.24	-7.994	0.000	0.302
132.00	-8.78	-13.31	0.00	-116.16	0.00	116.16	975.57	248.59	490.94	477.78	109.60	-8.063	0.000	0.255
134.00	-8.62	-13.18	0.00	-89.54	0.00	89.54	963.63	244.00	472.96	463.14	112.98	-8.120	0.000	0.205
136.00	-8.46	-13.05	0.00	-63.18	0.00	63.18	951.45	239.40	455.31	448.61	116.38	-8.166	0.000	0.153
137.00	-3.42	-5.26	0.00	-50.13	0.00	50.13	945.28	237.11	446.61	441.38	118.09	-8.183	0.000	0.118
138.00	-3.35	-5.19	0.00	-44.88	0.00	44.88	939.05	234.81	438.00	434.19	119.80	-8.199	0.000	0.107
140.00	-3.21	-5.06	0.00	-34.49	0.00	34.49	926.42	230.21	421.02	419.90	123.22	-8.225	0.000	0.086
142.00	-3.08	-4.94	0.00	-24.37	0.00	24.37	913.56	225.62	404.38	405.73	126.66	-8.246	0.000	0.064
144.00	-2.95	-4.81	0.00	-14.49	0.00	14.49	900.47	221.02	388.08	391.70	130.11	-8.261	0.000	0.041
146.00	-2.82	-4.69	0.00	-4.86	0.00	4.86	887.14	216.43	372.11	377.81	133.56	-8.268	0.000	0.017
147.00	-0.08	-0.11	0.00	-0.17	0.00	0.17	880.40	214.13	364.25	370.92	135.29	-8.269	0.000	0.001
148.00	-0.04	-0.06	0.00	-0.06	0.00	0.06	873.59	211.83	356.47	364.07	137.01	-8.269	0.000	0.000
149.00	0.00	-0.05	0.00	0.00	0.00	0.00	866.73	209.53	348.78	357.26	138.74	-8.270	0.000	0.000

Wind Loading - Shaft

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

1/30/2024

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Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90
Wind Load Factor 1.00



Iterations 30

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.27	0.70	28.817	31.70	479.25	0.630	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.27	0.70	28.776	31.65	474.86	0.630	0.000	2.00	8.768	5.52	174.9	0.0	312.8
4.00		1.27	0.70	28.734	31.61	470.47	0.630	0.000	2.00	8.694	5.48	173.1	0.0	310.2
6.00		1.27	0.70	28.693	31.56	466.09	0.630	0.000	2.00	8.619	5.43	171.4	0.0	307.5
8.00		1.26	0.70	28.652	31.52	461.71	0.630	0.000	2.00	8.545	5.38	169.7	0.0	304.8
10.00		1.26	0.70	28.611	31.47	457.35	0.630	0.000	2.00	8.470	5.34	167.9	0.0	302.2
12.00		1.26	0.70	28.571	31.43	452.99	0.630	0.000	2.00	8.396	5.29	166.2	0.0	299.5
14.00		1.26	0.70	28.531	31.38	448.64	0.630	0.000	2.00	8.321	5.24	164.5	0.0	296.8
16.00		1.26	0.70	28.491	31.34	444.29	0.630	0.000	2.00	8.247	5.20	162.8	0.0	294.1
18.00		1.26	0.70	28.452	31.30	439.96	0.630	0.000	2.00	8.172	5.15	161.1	0.0	291.5
20.00		1.25	0.70	28.412	31.25	435.63	0.630	0.000	2.00	8.098	5.10	159.4	0.0	288.8
22.00		1.25	0.70	28.373	31.21	431.31	0.630	0.000	2.00	8.024	5.05	157.8	0.0	286.1
24.00		1.25	0.70	28.335	31.17	427.00	0.630	0.000	2.00	7.949	5.01	156.1	0.0	283.4
26.00		1.25	0.70	28.296	31.13	422.69	0.630	0.000	2.00	7.875	4.96	154.4	0.0	280.8
28.00		1.25	0.70	28.258	31.08	418.40	0.630	0.000	2.00	7.800	4.91	152.8	0.0	278.1
30.00		1.24	0.70	28.244	31.07	414.28	0.630	0.000	2.00	7.726	4.87	151.2	0.0	275.4
32.00		1.24	0.71	28.732	31.60	413.79	0.630	0.000	2.00	7.651	4.82	152.3	0.0	272.8
34.00		1.24	0.73	29.195	32.11	413.03	0.630	0.000	2.00	7.577	4.77	153.3	0.0	270.1
36.00		1.24	0.74	29.637	32.60	412.04	0.630	0.000	2.00	7.502	4.73	154.1	0.0	267.4
38.00		1.24	0.75	30.059	33.06	410.82	0.630	0.000	2.00	7.428	4.68	154.7	0.0	264.7
40.00		1.24	0.76	30.463	33.51	409.41	0.630	0.000	2.00	7.353	4.63	155.2	0.0	262.1
42.00		1.24	0.77	30.850	33.94	407.81	0.630	0.000	2.00	7.279	4.59	155.6	0.0	259.4
44.00		1.23	0.78	31.223	34.35	406.05	0.630	0.000	2.00	7.204	4.54	155.9	0.0	256.7
46.00		1.23	0.79	31.582	34.74	404.13	0.630	0.000	2.00	7.130	4.49	156.0	0.0	254.0
48.00 Bot - Section 2		1.23	0.80	31.927	35.12	402.07	0.630	0.000	2.00	7.056	4.44	156.1	0.0	251.4
50.00		1.23	0.81	32.261	35.49	399.88	0.630	0.000	2.00	7.087	4.46	158.4	0.0	501.2
52.00		1.23	0.82	32.584	35.84	397.56	0.630	0.000	2.00	7.012	4.42	158.3	0.0	495.8
53.25 Top - Section 1		1.23	0.83	32.780	36.06	396.05	0.630	0.000	1.25	4.345	2.74	98.7	0.0	307.2
54.00		1.23	0.83	32.896	36.19	401.28	0.630	0.000	0.75	2.593	1.63	59.1	0.0	92.4
56.00		1.22	0.84	33.198	36.52	398.77	0.630	0.000	2.00	6.863	4.32	157.9	0.0	244.5
58.00		1.22	0.85	33.491	36.84	396.16	0.630	0.000	2.00	6.789	4.28	157.6	0.0	241.8
60.00		1.22	0.85	33.776	37.15	393.45	0.630	0.000	2.00	6.715	4.23	157.2	0.0	239.1
62.00		1.22	0.86	34.052	37.46	390.65	0.630	0.000	2.00	6.640	4.18	156.7	0.0	236.5
64.00		1.22	0.87	34.320	37.75	387.76	0.630	0.000	2.00	6.566	4.14	156.2	0.0	233.8
66.00		1.22	0.88	34.582	38.04	384.80	0.630	0.000	2.00	6.491	4.09	155.6	0.0	231.1
68.00		1.22	0.89	34.836	38.32	381.75	0.630	0.000	2.00	6.417	4.04	154.9	0.0	228.4
70.00		1.21	0.89	35.084	38.59	378.64	0.630	0.000	2.00	6.342	4.00	154.2	0.0	225.8
72.00		1.21	0.90	35.326	38.86	375.45	0.630	0.000	2.00	6.268	3.95	153.4	0.0	223.1
74.00		1.21	0.91	35.561	39.12	372.20	0.630	0.000	2.00	6.193	3.90	152.6	0.0	220.4
76.00		1.21	0.91	35.791	39.37	368.89	0.630	0.000	2.00	6.119	3.85	151.8	0.0	217.7
78.00		1.21	0.92	36.016	39.62	365.51	0.630	0.000	2.00	6.044	3.81	150.9	0.0	215.1
80.00		1.21	0.93	36.235	39.86	362.08	0.630	0.000	2.00	5.970	3.76	149.9	0.0	212.4
82.00		1.21	0.93	36.450	40.09	358.59	0.630	0.000	2.00	5.895	3.71	148.9	0.0	209.7
84.00		1.20	0.94	36.660	40.33	355.05	0.630	0.000	2.00	5.821	3.67	147.9	0.0	207.1
86.00		1.20	0.95	36.865	40.55	351.46	0.630	0.000	2.00	5.746	3.62	146.8	0.0	204.4
87.00 Appurtenance(s)		1.20	0.95	36.966	40.66	349.64	0.630	0.000	1.00	2.845	1.79	72.9	0.0	101.2
88.00		1.20	0.95	37.066	40.77	347.82	0.630	0.000	1.00	2.827	1.78	72.6	0.0	100.5

Wind Loading - Shaft

Structure: CT13058-A-SBA

Code: TIA-222-H

1/30/2024

Site Name: Southbury

Exposure: B



Height: 149.00 (ft)

Crest Height: 165.00

IES

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 3

Struct Class: II

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Tower Engineering Solutions

90.00	1.20	0.96	37.263	40.99	344.13	0.630	0.000	2.00	5.598	3.53	144.5	0.0	199.0			
92.00	1.20	0.96	37.456	41.20	340.40	0.630	0.000	2.00	5.523	3.48	143.4	0.0	196.4			
94.00	1.20	0.97	37.645	41.41	336.63	0.630	0.000	2.00	5.449	3.43	142.1	0.0	193.7			
96.00	1.20	0.98	37.830	41.61	332.81	0.630	0.000	2.00	5.374	3.39	140.9	0.0	191.0			
97.50 Bot - Section 3	1.19	0.98	37.966	41.76	329.92	0.630	0.000	1.50	3.982	2.51	104.8	0.0	141.5			
98.00	1.19	0.98	38.012	41.81	328.95	0.630	0.000	0.50	1.334	0.84	35.1	0.0	75.4			
100.00	1.19	0.99	38.190	42.01	325.06	0.630	0.000	2.00	5.289	3.33	140.0	0.0	298.9			
101.50 Top - Section 2	1.19	0.99	38.321	42.15	322.11	0.630	0.000	1.50	3.918	2.47	104.0	0.0	221.4			
102.00	1.19	0.99	38.365	42.20	325.11	0.630	0.000	0.50	1.297	0.82	34.5	0.0	27.8			
104.00	1.19	1.00	38.537	42.39	321.15	0.630	0.000	2.00	5.140	3.24	137.3	0.0	110.0			
106.00	1.19	1.00	38.705	42.58	317.16	0.630	0.000	2.00	5.065	3.19	135.9	0.0	108.4			
108.00	1.19	1.01	38.871	42.76	313.13	0.630	0.000	2.00	4.991	3.14	134.4	0.0	106.8			
110.00	1.19	1.02	39.034	42.94	309.07	0.630	0.000	2.00	4.916	3.10	133.0	0.0	105.2			
112.00	1.19	1.02	39.194	43.11	304.97	0.630	0.000	2.00	4.842	3.05	131.5	0.0	103.6			
114.00	1.18	1.03	39.352	43.29	300.85	0.630	0.000	2.00	4.767	3.00	130.0	0.0	102.0			
116.00	1.18	1.03	39.506	43.46	296.70	0.630	0.000	2.00	4.693	2.96	128.5	0.0	100.4			
118.00	1.18	1.04	39.659	43.62	292.51	0.630	0.000	2.00	4.618	2.91	126.9	0.0	98.8			
120.00	1.18	1.04	39.809	43.79	288.30	0.630	0.000	2.00	4.544	2.86	125.4	0.0	97.2			
122.00	1.18	1.05	39.956	43.95	284.06	0.630	0.000	2.00	4.470	2.82	123.8	0.0	95.6			
124.00	1.18	1.05	40.101	44.11	279.80	0.630	0.000	2.00	4.395	2.77	122.1	0.0	94.0			
126.00	1.18	1.06	40.244	44.27	275.51	0.630	0.000	2.00	4.321	2.72	120.5	0.0	92.4			
127.50 Appurtenance(s)	1.18	1.06	40.350	44.39	272.27	0.630	0.000	1.50	3.192	2.01	89.2	0.0	68.2			
128.00	1.18	1.06	40.385	44.42	271.19	0.630	0.000	0.50	1.055	0.66	29.5	0.0	22.5			
130.00	1.17	1.07	40.524	44.58	266.85	0.630	0.000	2.00	4.172	2.63	117.2	0.0	89.2			
132.00	1.17	1.07	40.661	44.73	262.48	0.630	0.000	2.00	4.097	2.58	115.5	0.0	87.6			
134.00	1.17	1.07	40.796	44.88	258.10	0.630	0.000	2.00	4.023	2.53	113.7	0.0	86.0			
136.00	1.17	1.08	40.928	45.02	253.69	0.630	0.000	2.00	3.948	2.49	112.0	0.0	84.4			
137.00 Appurtenance(s)	1.17	1.08	40.994	45.09	251.47	0.630	0.000	1.00	1.946	1.23	55.3	0.0	41.6			
138.00	1.17	1.08	41.059	45.17	249.25	0.630	0.000	1.00	1.928	1.21	54.8	0.0	41.2			
140.00	1.17	1.09	41.189	45.31	244.80	0.630	0.000	2.00	3.799	2.39	108.4	0.0	81.1			
142.00	1.17	1.09	41.316	45.45	240.33	0.630	0.000	2.00	3.725	2.35	106.7	0.0	79.5			
144.00	1.17	1.10	41.442	45.59	235.83	0.630	0.000	2.00	3.650	2.30	104.8	0.0	77.9			
146.00	1.17	1.10	41.566	45.72	231.32	0.630	0.000	2.00	3.576	2.25	103.0	0.0	76.3			
147.00 Appurtenance(s)	1.17	1.10	41.627	45.79	229.05	0.630	0.000	1.00	1.760	1.11	50.8	0.0	37.6			
148.00	1.16	1.11	41.688	45.86	226.78	0.630	0.000	1.00	1.741	1.10	50.3	0.0	37.2			
149.00	1.16	1.11	41.749	45.92	224.51	0.630	0.000	1.00	1.723	1.09	49.8	0.0	36.8			
Totals:								149.00				10,708.8				15,666.1

Discrete Appurtenance Forces

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Topography: 3

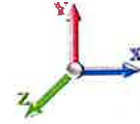
Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

1/30/2024
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Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90
Wind Load Factor 1.00



Iterations 30

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	147.00	Kathrein 80010965	3	41.627	45.790	0.53	0.75	22.06	293.22	0.000	0.000	1010.19	0.00	0.00
2	147.00	Powerwave 7770.00	3	41.627	45.790	0.55	0.75	9.03	94.50	0.000	0.000	413.65	0.00	0.00
3	147.00	Powerwave LGP21401	6	41.627	45.790	0.38	0.75	2.90	76.14	0.000	0.000	132.90	0.00	0.00
4	147.00	Powerwave LGP13519	6	41.627	45.790	0.50	0.75	1.03	28.62	0.000	0.000	46.94	0.00	0.00
5	147.00	Platform w/ Hand Rail	1	41.627	45.790	1.00	1.00	32.00	1440.00	0.000	0.000	1465.27	0.00	0.00
6	147.00	CCI HPA65R-BU6A	3	41.627	45.790	0.64	0.75	15.14	113.13	0.000	0.000	693.11	0.00	0.00
7	147.00	4449 B5/B12	3	41.627	45.790	0.50	0.75	2.97	191.70	0.000	0.000	135.99	0.00	0.00
8	147.00	DC6-48-60-18-8F	1	41.627	45.790	0.75	0.75	0.69	28.62	0.000	0.000	31.59	0.00	0.00
9	147.00	DC6-48-60-18-8C	1	41.627	45.790	0.75	0.75	0.95	18.00	0.000	0.000	43.27	0.00	0.00
10	147.00	B2 B66A 8843	3	41.627	45.790	0.50	0.75	2.47	189.00	0.000	0.000	113.21	0.00	0.00
11	137.00	JMA Wireless	4	40.994	45.094	0.61	0.75	41.80	352.80	0.000	0.000	1884.73	0.00	0.00
12	137.00	JMA Wireless	4	40.994	45.094	0.71	0.75	33.09	183.60	0.000	0.000	1492.08	0.00	0.00
13	137.00	Samsung MT6413 77A	3	40.994	45.094	0.52	0.75	5.91	154.76	0.000	0.000	266.48	0.00	0.00
14	137.00	Raycap	1	40.994	45.094	0.75	0.75	3.04	28.80	0.000	0.000	137.31	0.00	0.00
15	137.00	Samsung B2/B66A RRH	4	40.994	45.094	0.38	0.75	2.81	268.92	0.000	0.000	126.49	0.00	0.00
16	137.00	Samsung B5/B13 RRH	4	40.994	45.094	0.38	0.75	2.81	284.76	0.000	0.000	126.49	0.00	0.00
17	137.00	Perfect Vision	1	40.994	45.094	1.00	1.00	64.00	3185.10	0.000	0.000	2885.99	0.00	0.00
18	137.00	CBC78T-DS-43-2X	3	40.994	45.094	0.50	0.75	0.56	55.94	0.000	0.000	25.15	0.00	0.00
19	127.50	RFS ATMP1412D-1CWA	3	40.350	44.385	0.38	0.75	1.32	33.75	0.000	0.000	58.42	0.00	0.00
20	127.50	RFS	3	40.350	44.385	0.46	0.75	9.01	109.89	0.000	0.000	399.99	0.00	0.00
21	127.50	AIR 6449 B41	3	40.350	44.385	0.52	0.75	10.28	359.64	0.000	0.000	456.49	0.00	0.00
22	127.50	APXVAARR24_43-U-NA2	3	40.350	44.385	0.52	0.75	31.88	345.60	0.000	0.000	1414.92	0.00	0.00
23	127.50	RFS ATMAA1412D-1A20	3	40.350	44.385	0.38	0.75	1.32	35.10	0.000	0.000	58.42	0.00	0.00
24	127.50	4415 B66A	3	40.350	44.385	0.50	0.75	2.80	119.07	0.000	0.000	124.45	0.00	0.00
25	127.50	Remec S20057A1	3	40.350	44.385	0.38	0.75	0.92	29.70	0.000	0.000	40.95	0.00	0.00
26	127.50	Kathrein 782 11054	3	40.350	44.385	0.38	0.75	0.32	7.02	0.000	0.000	13.98	0.00	0.00
27	127.50	Platform w/ Hand Rail and	1	40.350	44.385	1.00	1.00	35.00	1440.00	0.000	0.000	1553.49	0.00	0.00
28	127.50	4424 B25	3	40.350	44.385	0.50	0.75	3.30	121.50	0.000	0.000	146.53	0.00	0.00
29	127.50	4449	3	40.350	44.385	0.50	0.75	2.49	189.00	0.000	0.000	110.40	0.00	0.00
30	87.00	MC-PK8-DSH	1	36.966	40.663	1.00	1.00	35.59	1554.30	0.000	0.000	1447.18	0.00	0.00
31	87.00	RDIDC-9181-OF-48	1	36.966	40.663	0.75	0.75	1.51	19.71	0.000	0.000	61.30	0.00	0.00
32	87.00	TA08025-B605	3	36.966	40.663	0.38	0.75	2.21	202.50	0.000	0.000	89.66	0.00	0.00
33	87.00	TA08025-B604	3	36.966	40.663	0.50	0.75	2.95	172.53	0.000	0.000	120.15	0.00	0.00
34	87.00	MX08FRO665-21	3	36.966	40.663	0.55	0.75	20.80	174.15	0.000	0.000	845.61	0.00	0.00
Totals:									11,901.08			17,972.78		

Total Applied Force Summary

Structure: CT13058-A-SBA

Code: TIA-222-H

1/30/2024

Site Name: Southbury

Exposure: B

Height: 149.00 (ft)

Crest Height: 165.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 3

Struct Class: II

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Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 30

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
2.00		183.78	386.74	0.00	0.00
4.00		182.03	384.07	0.00	0.00
6.00		180.29	381.39	0.00	0.00
8.00		178.55	378.72	0.00	0.00
10.00		176.82	376.05	0.00	0.00
12.00		175.10	373.37	0.00	0.00
14.00		173.38	370.70	0.00	0.00
16.00		171.67	368.03	0.00	0.00
18.00		169.96	365.35	0.00	0.00
20.00		168.26	362.68	0.00	0.00
22.00		166.57	360.01	0.00	0.00
24.00		164.88	357.34	0.00	0.00
26.00		163.19	354.66	0.00	0.00
28.00		161.52	351.99	0.00	0.00
30.00		159.98	349.32	0.00	0.00
32.00		161.26	346.64	0.00	0.00
34.00		162.35	343.97	0.00	0.00
36.00		163.28	341.30	0.00	0.00
38.00		164.05	338.62	0.00	0.00
40.00		164.68	335.95	0.00	0.00
42.00		165.19	333.28	0.00	0.00
44.00		165.57	330.60	0.00	0.00
46.00		165.84	327.93	0.00	0.00
48.00		166.01	325.26	0.00	0.00
50.00		168.45	575.08	0.00	0.00
52.00		168.45	569.73	0.00	0.00
53.25		105.06	353.37	0.00	0.00
54.00		62.94	120.08	0.00	0.00
56.00		168.20	318.36	0.00	0.00
58.00		167.96	315.69	0.00	0.00
60.00		167.64	313.02	0.00	0.00
62.00		167.25	310.34	0.00	0.00
64.00		166.80	307.67	0.00	0.00
66.00		166.29	305.00	0.00	0.00
68.00		165.71	302.33	0.00	0.00
70.00		165.08	299.65	0.00	0.00
72.00		164.40	296.98	0.00	0.00
74.00		163.66	294.31	0.00	0.00
76.00		162.87	291.63	0.00	0.00
78.00		162.03	288.96	0.00	0.00
80.00		161.15	286.29	0.00	0.00
82.00		160.22	283.61	0.00	0.00
84.00		159.25	280.94	0.00	0.00
86.00		158.24	278.27	0.00	0.00
87.00	(11) attachments	2642.52	2261.32	0.00	0.00
88.00		72.61	136.44	0.00	0.00

Total Applied Force Summary

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Topography: 3

Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

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90.00		144.55	270.87	0.00	0.00
92.00		143.36	268.20	0.00	0.00
94.00		142.14	265.52	0.00	0.00
96.00		140.89	262.85	0.00	0.00
97.50		104.76	195.38	0.00	0.00
98.00		35.14	93.35	0.00	0.00
100.00		139.97	370.73	0.00	0.00
101.50		104.04	275.24	0.00	0.00
102.00		34.47	45.71	0.00	0.00
104.00		137.26	181.85	0.00	0.00
106.00		135.87	180.25	0.00	0.00
108.00		134.44	178.65	0.00	0.00
110.00		132.99	177.04	0.00	0.00
112.00		131.51	175.44	0.00	0.00
114.00		130.01	173.83	0.00	0.00
116.00		128.48	172.23	0.00	0.00
118.00		126.93	170.63	0.00	0.00
120.00		125.36	169.02	0.00	0.00
122.00		123.76	167.42	0.00	0.00
124.00		122.14	165.82	0.00	0.00
126.00		120.50	164.21	0.00	0.00
127.50	(31) attachments	4467.29	2912.38	0.00	0.00
128.00		29.51	32.02	0.00	0.00
130.00		117.15	127.09	0.00	0.00
132.00		115.45	125.49	0.00	0.00
134.00		113.73	123.88	0.00	0.00
136.00		111.99	122.28	0.00	0.00
137.00	(24) attachments	7000.00	4575.23	0.00	0.00
138.00		54.85	57.17	0.00	0.00
140.00		108.45	113.13	0.00	0.00
142.00		106.65	111.53	0.00	0.00
144.00		104.84	109.93	0.00	0.00
146.00		103.01	108.32	0.00	0.00
147.00	(30) attachments	4136.89	2526.49	0.00	0.00
148.00		50.31	37.17	0.00	0.00
149.00		49.84	36.76	0.00	0.00
	Totals:	29,109.54	32,576.16	0.00	0.00

Linear Appurtenance Segment Forces (Factored)

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

1/30/2024

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Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90
Wind Load Factor 1.00



Iterations 30

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
2.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.776	8.93	2.05
4.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.734	8.91	2.05
6.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.693	8.90	2.05
8.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.652	8.89	2.05
10.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.611	8.88	2.05
12.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.571	8.86	2.05
14.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.531	8.85	2.05
16.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.491	8.84	2.05
18.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.452	8.83	2.05
20.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.412	8.81	2.05
22.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.373	8.80	2.05
24.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.335	8.79	2.05
26.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.296	8.78	2.05
28.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.258	8.77	2.05
30.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.244	8.76	2.05
32.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	28.732	8.91	2.05
34.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	29.195	9.06	2.05
36.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	29.637	9.19	2.05
38.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	30.059	9.32	2.05
40.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	30.463	9.45	2.05
42.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	30.850	9.57	2.05
44.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	31.223	9.69	2.05
46.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	31.582	9.80	2.05
48.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	31.927	9.90	2.05
50.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	32.261	10.01	2.05
52.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	32.584	10.11	2.05
53.25	1.411" Hybrid	Yes	1.25	1.200	1.41	0.15	0.18	0.000	0.000	32.780	6.36	1.28
54.00	1.411" Hybrid	Yes	0.75	1.200	1.41	0.09	0.11	0.000	0.000	32.896	3.83	0.77
56.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	33.198	10.30	2.05
58.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	33.491	10.39	2.05
60.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	33.776	10.48	2.05
62.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	34.052	10.56	2.05
64.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	34.320	10.65	2.05
66.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	34.582	10.73	2.05
68.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	34.836	10.81	2.05
70.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	35.084	10.88	2.05
72.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	35.326	10.96	2.05
74.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	35.561	11.03	2.05
76.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	35.791	11.10	2.05
78.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	36.016	11.17	2.05
80.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	36.235	11.24	2.05
82.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	36.450	11.31	2.05
84.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	36.660	11.37	2.05
86.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	36.865	11.44	2.05
87.00	1.411" Hybrid	Yes	1.00	1.200	1.41	0.12	0.14	0.000	0.000	36.966	5.73	1.03
Totals:											427.9	89.3

Calculated Forces

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Topography: 3

Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

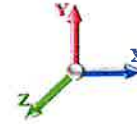
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Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90
Wind Load Factor 1.00



Iterations 30

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-32.55	-29.14	0.00	-3252.8	0.00	3252.85	3163.75	900.24	3862.85	3372.69	0.00	0.000	0.000	0.976
2.00	-32.11	-29.02	0.00	-3194.5	0.00	3194.57	3150.20	892.58	3797.40	3329.51	0.02	-0.106	0.000	0.971
4.00	-31.67	-28.89	0.00	-3136.5	0.00	3136.54	3136.42	884.92	3732.51	3286.32	0.09	-0.212	0.000	0.966
6.00	-31.24	-28.77	0.00	-3078.7	0.00	3078.76	3122.41	877.26	3668.18	3243.16	0.20	-0.320	0.000	0.960
8.00	-30.80	-28.65	0.00	-3021.2	0.00	3021.23	3108.17	869.60	3604.41	3200.01	0.36	-0.428	0.000	0.955
10.00	-30.37	-28.52	0.00	-2963.9	0.00	2963.94	3093.71	861.94	3541.20	3156.89	0.56	-0.537	0.000	0.950
12.00	-29.95	-28.40	0.00	-2906.8	0.00	2906.89	3079.01	854.28	3478.55	3113.79	0.81	-0.647	0.000	0.944
14.00	-29.53	-28.28	0.00	-2850.0	0.00	2850.09	3064.08	846.62	3416.45	3070.74	1.11	-0.757	0.000	0.939
16.00	-29.11	-28.16	0.00	-2793.5	0.00	2793.52	3048.92	838.96	3354.92	3027.73	1.45	-0.869	0.000	0.933
18.00	-28.69	-28.04	0.00	-2737.2	0.00	2737.20	3033.54	831.30	3293.94	2984.78	1.84	-0.981	0.000	0.928
20.00	-28.27	-27.92	0.00	-2681.1	0.00	2681.12	3017.92	823.65	3233.53	2941.88	2.27	-1.094	0.000	0.922
22.00	-27.86	-27.81	0.00	-2625.2	0.00	2625.27	3002.08	815.99	3173.67	2899.04	2.76	-1.208	0.000	0.916
24.00	-27.45	-27.69	0.00	-2569.6	0.00	2569.66	2986.01	808.33	3114.37	2856.27	3.29	-1.322	0.000	0.910
26.00	-27.05	-27.57	0.00	-2514.2	0.00	2514.29	2969.70	800.67	3055.63	2813.58	3.87	-1.437	0.000	0.904
28.00	-26.64	-27.45	0.00	-2459.1	0.00	2459.15	2953.17	793.01	2997.46	2770.98	4.49	-1.553	0.000	0.898
30.00	-26.24	-27.34	0.00	-2404.2	0.00	2404.24	2936.41	785.35	2939.84	2728.46	5.17	-1.670	0.000	0.891
32.00	-25.84	-27.22	0.00	-2349.5	0.00	2349.57	2919.42	777.69	2882.77	2686.03	5.90	-1.788	0.000	0.885
34.00	-25.45	-27.10	0.00	-2295.1	0.00	2295.13	2902.20	770.03	2826.27	2643.71	6.67	-1.906	0.000	0.878
36.00	-25.06	-26.98	0.00	-2240.9	0.00	2240.93	2884.75	762.37	2770.33	2601.49	7.49	-2.025	0.000	0.871
38.00	-24.67	-26.85	0.00	-2186.9	0.00	2186.98	2867.07	754.71	2714.95	2559.39	8.37	-2.144	0.000	0.864
40.00	-24.28	-26.73	0.00	-2133.2	0.00	2133.28	2849.16	747.06	2660.12	2517.41	9.29	-2.265	0.000	0.857
42.00	-23.90	-26.60	0.00	-2079.8	0.00	2079.83	2831.02	739.40	2605.86	2475.55	10.27	-2.386	0.000	0.850
44.00	-23.52	-26.47	0.00	-2026.6	0.00	2026.63	2812.65	731.74	2552.15	2433.83	11.29	-2.507	0.000	0.842
46.00	-23.15	-26.34	0.00	-1973.7	0.00	1973.70	2794.05	724.08	2499.01	2392.24	12.37	-2.630	0.000	0.835
48.00	-22.77	-26.21	0.00	-1921.0	0.00	1921.03	2775.23	716.42	2446.42	2350.80	13.50	-2.753	0.000	0.827
50.00	-22.15	-26.06	0.00	-1868.6	0.00	1868.62	2756.17	708.76	2394.39	2309.51	14.68	-2.876	0.000	0.818
52.00	-21.54	-25.90	0.00	-1816.5	0.00	1816.50	2736.89	701.10	2342.92	2268.38	15.91	-3.000	0.000	0.810
53.25	-21.17	-25.80	0.00	-1784.1	0.00	1784.13	2752.25	707.19	2383.82	2301.09	16.70	-3.078	0.000	0.784
54.00	-21.01	-25.76	0.00	-1764.7	0.00	1764.79	2745.02	704.32	2364.50	2285.66	17.19	-3.125	0.000	0.781
56.00	-20.65	-25.62	0.00	-1713.2	0.00	1713.27	2725.61	696.66	2313.35	2244.62	18.53	-3.244	0.000	0.772
58.00	-20.29	-25.47	0.00	-1662.0	0.00	1662.04	2705.96	689.00	2262.76	2203.75	19.91	-3.364	0.000	0.763
60.00	-19.94	-25.33	0.00	-1611.1	0.00	1611.10	2686.08	681.34	2212.74	2163.06	21.35	-3.484	0.000	0.754
62.00	-19.59	-25.18	0.00	-1560.4	0.00	1560.44	2665.98	673.69	2163.27	2122.54	22.83	-3.604	0.000	0.744
64.00	-19.24	-25.04	0.00	-1510.0	0.00	1510.08	2645.64	666.03	2114.36	2082.21	24.36	-3.724	0.000	0.734
66.00	-18.89	-24.89	0.00	-1460.0	0.00	1460.01	2625.07	658.37	2066.01	2042.08	25.95	-3.845	0.000	0.724
68.00	-18.55	-24.74	0.00	-1410.2	0.00	1410.23	2604.28	650.71	2018.23	2002.14	27.59	-3.965	0.000	0.713
70.00	-18.21	-24.60	0.00	-1360.7	0.00	1360.74	2583.26	643.05	1971.00	1962.41	29.27	-4.085	0.000	0.702
72.00	-17.87	-24.45	0.00	-1311.5	0.00	1311.55	2562.00	635.39	1924.32	1922.89	31.01	-4.206	0.000	0.691
74.00	-17.54	-24.30	0.00	-1262.6	0.00	1262.65	2540.52	627.73	1878.21	1883.58	32.79	-4.326	0.000	0.679
76.00	-17.21	-24.15	0.00	-1214.0	0.00	1214.05	2518.81	620.07	1832.66	1844.50	34.63	-4.446	0.000	0.667
78.00	-16.89	-24.00	0.00	-1165.7	0.00	1165.75	2496.87	612.41	1787.67	1805.66	36.52	-4.565	0.000	0.654
80.00	-16.57	-23.85	0.00	-1117.7	0.00	1117.74	2474.70	604.76	1743.23	1767.05	38.45	-4.684	0.000	0.641
82.00	-16.25	-23.70	0.00	-1070.0	0.00	1070.04	2452.30	597.10	1699.36	1728.68	40.44	-4.803	0.000	0.627
84.00	-15.93	-23.55	0.00	-1022.6	0.00	1022.63	2429.67	589.44	1656.04	1690.56	42.48	-4.921	0.000	0.613
86.00	-15.63	-23.40	0.00	-975.52	0.00	975.52	2406.81	581.78	1613.28	1652.69	44.56	-5.037	0.000	0.598
87.00	-13.59	-20.58	0.00	-952.13	0.00	952.13	2395.29	577.95	1592.12	1633.86	45.62	-5.096	0.000	0.590
88.00	-13.43	-20.51	0.00	-931.55	0.00	931.55	2383.72	574.12	1571.09	1615.09	46.69	-5.154	0.000	0.584
90.00	-13.14	-20.37	0.00	-890.52	0.00	890.52	2360.40	566.46	1529.45	1577.76	48.87	-5.270	0.000	0.571

Calculated Forces

Structure: CT13058-A-SBA

Code: TIA-222-H

1/30/2024

Site Name: Southbury

Exposure: B

Height: 149.00 (ft)

Crest Height: 165.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 3

Struct Class: II

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92.00	-12.84	-20.23	0.00	-849.78	0.00	849.78	2336.86	558.80	1488.37	1540.70	51.10	-5.384	0.000	0.558
94.00	-12.55	-20.09	0.00	-809.32	0.00	809.32	2313.08	551.14	1447.85	1503.92	53.38	-5.498	0.000	0.545
96.00	-12.27	-19.94	0.00	-769.15	0.00	769.15	2289.08	543.48	1407.89	1467.43	55.70	-5.611	0.000	0.531
97.50	-12.07	-19.83	0.00	-739.23	0.00	739.23	2270.92	537.74	1378.29	1440.25	57.48	-5.695	0.000	0.520
98.00	-11.95	-19.80	0.00	-729.32	0.00	729.32	2264.84	535.82	1368.49	1431.23	58.08	-5.724	0.000	0.516
100.00	-11.57	-19.64	0.00	-689.71	0.00	689.71	2235.90	528.17	1329.64	1392.54	60.49	-5.834	0.000	0.502
101.50	-11.28	-19.52	0.00	-660.25	0.00	660.25	1129.30	318.67	806.75	710.20	62.34	-5.916	0.000	0.943
102.00	-11.21	-19.50	0.00	-650.49	0.00	650.49	1127.21	317.53	800.95	706.31	62.96	-5.944	0.000	0.935
104.00	-10.98	-19.38	0.00	-611.48	0.00	611.48	1118.71	312.93	777.93	690.78	65.48	-6.114	0.000	0.899
106.00	-10.76	-19.26	0.00	-572.72	0.00	572.72	1109.97	308.33	755.25	675.26	68.07	-6.280	0.000	0.862
108.00	-10.55	-19.13	0.00	-534.20	0.00	534.20	1101.01	303.74	732.91	659.76	70.73	-6.443	0.000	0.823
110.00	-10.34	-19.01	0.00	-495.93	0.00	495.93	1091.82	299.14	710.90	644.29	73.46	-6.602	0.000	0.783
112.00	-10.13	-18.89	0.00	-457.91	0.00	457.91	1082.40	294.55	689.22	628.86	76.26	-6.755	0.000	0.742
114.00	-9.92	-18.76	0.00	-420.14	0.00	420.14	1072.75	289.95	667.88	613.46	79.11	-6.903	0.000	0.698
116.00	-9.72	-18.64	0.00	-382.62	0.00	382.62	1062.87	285.36	646.88	598.11	82.03	-7.045	0.000	0.653
118.00	-9.53	-18.51	0.00	-345.35	0.00	345.35	1052.76	280.76	626.22	582.82	85.00	-7.180	0.000	0.606
120.00	-9.33	-18.39	0.00	-308.33	0.00	308.33	1042.42	276.17	605.88	567.58	88.03	-7.308	0.000	0.557
122.00	-9.15	-18.26	0.00	-271.56	0.00	271.56	1031.85	271.57	585.89	552.42	91.11	-7.426	0.000	0.505
124.00	-8.97	-18.13	0.00	-235.04	0.00	235.04	1021.06	266.98	566.23	537.32	94.24	-7.535	0.000	0.451
126.00	-8.79	-18.00	0.00	-198.77	0.00	198.77	1010.03	262.38	546.90	522.30	97.41	-7.634	0.000	0.394
127.50	-6.49	-13.19	0.00	-171.76	0.00	171.76	1001.61	258.93	532.63	511.09	99.81	-7.700	0.000	0.345
128.00	-6.46	-13.17	0.00	-165.17	0.00	165.17	998.77	257.79	527.91	507.37	100.62	-7.721	0.000	0.335
130.00	-6.33	-13.04	0.00	-138.84	0.00	138.84	987.29	253.19	509.26	492.52	103.86	-7.797	0.000	0.291
132.00	-6.21	-12.92	0.00	-112.76	0.00	112.76	975.57	248.59	490.94	477.78	107.13	-7.864	0.000	0.245
134.00	-6.09	-12.79	0.00	-86.93	0.00	86.93	963.63	244.00	472.96	463.14	110.43	-7.920	0.000	0.197
136.00	-5.98	-12.67	0.00	-61.34	0.00	61.34	951.45	239.40	455.31	448.61	113.75	-7.964	0.000	0.146
137.00	-2.42	-5.10	0.00	-48.68	0.00	48.68	945.28	237.11	446.61	441.38	115.41	-7.982	0.000	0.113
138.00	-2.36	-5.04	0.00	-43.58	0.00	43.58	939.05	234.81	438.00	434.19	117.08	-7.997	0.000	0.103
140.00	-2.27	-4.92	0.00	-33.50	0.00	33.50	926.42	230.21	421.02	419.90	120.42	-8.022	0.000	0.083
142.00	-2.17	-4.80	0.00	-23.67	0.00	23.67	913.56	225.62	404.38	405.73	123.78	-8.042	0.000	0.061
144.00	-2.07	-4.68	0.00	-14.08	0.00	14.08	900.47	221.02	388.08	391.70	127.14	-8.057	0.000	0.039
146.00	-1.98	-4.56	0.00	-4.72	0.00	4.72	887.14	216.43	372.11	377.81	130.51	-8.064	0.000	0.015
147.00	-0.06	-0.11	0.00	-0.16	0.00	0.16	880.40	214.13	364.25	370.92	132.19	-8.065	0.000	0.001
148.00	-0.03	-0.05	0.00	-0.05	0.00	0.05	873.59	211.83	356.47	364.07	133.87	-8.065	0.000	0.000
149.00	0.00	-0.05	0.00	0.00	0.00	0.00	866.73	209.53	348.78	357.26	135.56	-8.065	0.000	0.000

Wind Loading - Shaft

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Topography: 3

Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

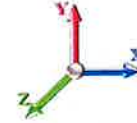
1/30/2024

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

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 29

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.27	0.70	5.263	5.79	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.27	0.70	5.255	5.78	0.00	1.200	0.821	2.00	9.042	10.85	62.7	107.9	525.0
4.00		1.27	0.70	5.248	5.77	0.00	1.200	0.880	2.00	8.987	10.78	62.3	114.7	528.3
6.00		1.27	0.70	5.240	5.76	0.00	1.200	0.916	2.00	8.925	10.71	61.7	118.5	528.5
8.00		1.26	0.70	5.233	5.76	0.00	1.200	0.942	2.00	8.859	10.63	61.2	120.9	527.3
10.00		1.26	0.70	5.225	5.75	0.00	1.200	0.963	2.00	8.791	10.55	60.6	122.5	525.4
12.00		1.26	0.70	5.218	5.74	0.00	1.200	0.980	2.00	8.723	10.47	60.1	123.7	523.0
14.00		1.26	0.70	5.211	5.73	0.00	1.200	0.995	2.00	8.653	10.38	59.5	124.5	520.2
16.00		1.26	0.70	5.203	5.72	0.00	1.200	1.008	2.00	8.583	10.30	58.9	125.0	517.2
18.00		1.26	0.70	5.196	5.72	0.00	1.200	1.019	2.00	8.512	10.21	58.4	125.4	514.0
20.00		1.25	0.70	5.189	5.71	0.00	1.200	1.029	2.00	8.441	10.13	57.8	125.5	510.6
22.00		1.25	0.70	5.182	5.70	0.00	1.200	1.039	2.00	8.370	10.04	57.2	125.5	507.0
24.00		1.25	0.70	5.175	5.69	0.00	1.200	1.047	2.00	8.298	9.96	56.7	125.4	503.4
26.00		1.25	0.70	5.168	5.68	0.00	1.200	1.055	2.00	8.226	9.87	56.1	125.2	499.6
28.00		1.25	0.70	5.161	5.68	0.00	1.200	1.063	2.00	8.154	9.79	55.5	125.0	495.8
30.00		1.24	0.70	5.158	5.67	0.00	1.200	1.069	2.00	8.082	9.70	55.0	124.6	491.8
32.00		1.24	0.71	5.247	5.77	0.00	1.200	1.076	2.00	8.010	9.61	55.5	124.2	487.9
34.00		1.24	0.73	5.332	5.87	0.00	1.200	1.082	2.00	7.937	9.52	55.9	123.7	483.8
36.00		1.24	0.74	5.412	5.95	0.00	1.200	1.088	2.00	7.865	9.44	56.2	123.2	479.7
38.00		1.24	0.75	5.490	6.04	0.00	1.200	1.093	2.00	7.792	9.35	56.5	122.6	475.6
40.00		1.24	0.76	5.563	6.12	0.00	1.200	1.098	2.00	7.719	9.26	56.7	122.0	471.4
42.00		1.24	0.77	5.634	6.20	0.00	1.200	1.103	2.00	7.647	9.18	56.9	121.3	467.2
44.00		1.23	0.78	5.702	6.27	0.00	1.200	1.108	2.00	7.574	9.09	57.0	120.6	462.9
46.00		1.23	0.79	5.768	6.34	0.00	1.200	1.112	2.00	7.501	9.00	57.1	119.9	458.6
48.00 Bot - Section 2		1.23	0.80	5.831	6.41	0.00	1.200	1.116	2.00	7.428	8.91	57.2	119.1	454.3
50.00		1.23	0.81	5.892	6.48	0.00	1.200	1.120	2.00	7.460	8.95	58.0	120.1	788.3
52.00		1.23	0.82	5.951	6.55	0.00	1.200	1.124	2.00	7.387	8.86	58.0	119.3	780.4
53.25 Top - Section 1		1.23	0.83	5.987	6.59	0.00	1.200	1.127	1.25	4.580	5.50	36.2	74.2	483.8
54.00		1.23	0.83	6.008	6.61	0.00	1.200	1.128	0.75	2.734	3.28	21.7	44.4	167.6
56.00		1.22	0.84	6.063	6.67	0.00	1.200	1.132	2.00	7.241	8.69	57.9	117.6	443.5
58.00		1.22	0.85	6.116	6.73	0.00	1.200	1.135	2.00	7.167	8.60	57.9	116.7	439.1
60.00		1.22	0.85	6.168	6.79	0.00	1.200	1.139	2.00	7.094	8.51	57.8	115.8	434.6
62.00		1.22	0.86	6.219	6.84	0.00	1.200	1.142	2.00	7.021	8.42	57.6	114.9	430.2
64.00		1.22	0.87	6.268	6.89	0.00	1.200	1.145	2.00	6.947	8.34	57.5	113.9	425.7
66.00		1.22	0.88	6.316	6.95	0.00	1.200	1.148	2.00	6.874	8.25	57.3	113.0	421.1
68.00		1.22	0.89	6.362	7.00	0.00	1.200	1.151	2.00	6.800	8.16	57.1	112.0	416.6
70.00		1.21	0.89	6.407	7.05	0.00	1.200	1.154	2.00	6.727	8.07	56.9	111.0	412.0
72.00		1.21	0.90	6.451	7.10	0.00	1.200	1.157	2.00	6.653	7.98	56.7	110.0	407.5
74.00		1.21	0.91	6.494	7.14	0.00	1.200	1.159	2.00	6.580	7.90	56.4	109.0	402.9
76.00		1.21	0.91	6.536	7.19	0.00	1.200	1.162	2.00	6.506	7.81	56.1	108.0	398.3
78.00		1.21	0.92	6.578	7.24	0.00	1.200	1.164	2.00	6.432	7.72	55.8	106.9	393.7
80.00		1.21	0.93	6.618	7.28	0.00	1.200	1.167	2.00	6.359	7.63	55.5	105.9	389.1
82.00		1.21	0.93	6.657	7.32	0.00	1.200	1.169	2.00	6.285	7.54	55.2	104.8	384.5
84.00		1.20	0.94	6.695	7.36	0.00	1.200	1.172	2.00	6.211	7.45	54.9	103.8	379.8
86.00		1.20	0.95	6.733	7.41	0.00	1.200	1.174	2.00	6.138	7.37	54.5	102.7	375.2
87.00 Appurtenance(s)		1.20	0.95	6.751	7.43	0.00	1.200	1.175	1.00	3.041	3.65	27.1	51.1	186.0
88.00		1.20	0.95	6.769	7.45	0.00	1.200	1.176	1.00	3.023	3.63	27.0	50.8	184.8

Wind Loading - Shaft

Structure: CT13058-A-SBA

Code: TIA-222-H

1/30/2024

Site Name: Southbury

Exposure: B

Height: 149.00 (ft)

Crest Height: 165.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 3

Struct Class: II

Page: 27



IES

Tower Engineering Solutions

90.00	1.20	0.96	6.805	7.49	0.00	1.200	1.178	2.00	5.990	7.19	53.8	100.5	365.8	
92.00	1.20	0.96	6.840	7.52	0.00	1.200	1.180	2.00	5.917	7.10	53.4	99.4	361.2	
94.00	1.20	0.97	6.875	7.56	0.00	1.200	1.183	2.00	5.843	7.01	53.0	98.2	356.5	
96.00	1.20	0.98	6.909	7.60	0.00	1.200	1.185	2.00	5.769	6.92	52.6	97.1	351.8	
97.50 Bot - Section 3	1.19	0.98	6.934	7.63	0.00	1.200	1.186	1.50	4.278	5.13	39.2	72.2	260.9	
98.00	1.19	0.98	6.942	7.64	0.00	1.200	1.187	0.50	1.433	1.72	13.1	24.3	124.8	
100.00	1.19	0.99	6.975	7.67	0.00	1.200	1.189	2.00	5.685	6.82	52.3	95.9	494.5	
101.50 Top - Section 2	1.19	0.99	6.999	7.70	0.00	1.200	1.190	1.50	4.215	5.06	38.9	71.3	366.4	
102.00	1.19	0.99	7.007	7.71	0.00	1.200	1.190	0.50	1.396	1.67	12.9	23.7	60.7	
104.00	1.19	1.00	7.038	7.74	0.00	1.200	1.192	2.00	5.537	6.64	51.4	93.6	240.3	
106.00	1.19	1.00	7.069	7.78	0.00	1.200	1.194	2.00	5.463	6.56	51.0	92.4	237.0	
108.00	1.19	1.01	7.099	7.81	0.00	1.200	1.196	2.00	5.389	6.47	50.5	91.3	233.7	
110.00	1.19	1.02	7.129	7.84	0.00	1.200	1.198	2.00	5.316	6.38	50.0	90.1	230.4	
112.00	1.19	1.02	7.158	7.87	0.00	1.200	1.199	2.00	5.242	6.29	49.5	88.9	227.0	
114.00	1.18	1.03	7.187	7.91	0.00	1.200	1.201	2.00	5.168	6.20	49.0	87.7	223.7	
116.00	1.18	1.03	7.215	7.94	0.00	1.200	1.203	2.00	5.094	6.11	48.5	86.5	220.4	
118.00	1.18	1.04	7.243	7.97	0.00	1.200	1.204	2.00	5.020	6.02	48.0	85.3	217.0	
120.00	1.18	1.04	7.270	8.00	0.00	1.200	1.206	2.00	4.946	5.94	47.5	84.1	213.7	
122.00	1.18	1.05	7.297	8.03	0.00	1.200	1.207	2.00	4.872	5.85	46.9	82.9	210.3	
124.00	1.18	1.05	7.324	8.06	0.00	1.200	1.209	2.00	4.798	5.76	46.4	81.6	206.9	
126.00	1.18	1.06	7.350	8.08	0.00	1.200	1.211	2.00	4.724	5.67	45.8	80.4	203.6	
127.50 Appurtenance(s)	1.18	1.06	7.369	8.11	0.00	1.200	1.212	1.50	3.495	4.19	34.0	59.6	150.6	
128.00	1.18	1.06	7.376	8.11	0.00	1.200	1.212	0.50	1.156	1.39	11.3	19.8	49.9	
130.00	1.17	1.07	7.401	8.14	0.00	1.200	1.213	2.00	4.576	5.49	44.7	77.9	196.8	
132.00	1.17	1.07	7.426	8.17	0.00	1.200	1.215	2.00	4.502	5.40	44.1	76.7	193.5	
134.00	1.17	1.07	7.450	8.20	0.00	1.200	1.216	2.00	4.428	5.31	43.5	75.5	190.1	
136.00	1.17	1.08	7.475	8.22	0.00	1.200	1.218	2.00	4.354	5.23	43.0	74.2	186.7	
137.00 Appurtenance(s)	1.17	1.08	7.487	8.24	0.00	1.200	1.218	1.00	2.149	2.58	21.2	36.8	92.2	
138.00	1.17	1.08	7.499	8.25	0.00	1.200	1.219	1.00	2.131	2.56	21.1	36.5	91.4	
140.00	1.17	1.09	7.522	8.27	0.00	1.200	1.220	2.00	4.206	5.05	41.8	71.7	179.9	
142.00	1.17	1.09	7.545	8.30	0.00	1.200	1.222	2.00	4.132	4.96	41.2	70.4	176.5	
144.00	1.17	1.10	7.568	8.33	0.00	1.200	1.223	2.00	4.058	4.87	40.5	69.1	173.1	
146.00	1.17	1.10	7.591	8.35	0.00	1.200	1.224	2.00	3.984	4.78	39.9	67.9	169.7	
147.00 Appurtenance(s)	1.17	1.10	7.602	8.36	0.00	1.200	1.225	1.00	1.964	2.36	19.7	33.6	83.7	
148.00	1.16	1.11	7.613	8.37	0.00	1.200	1.226	1.00	1.946	2.33	19.6	33.3	82.8	
149.00	1.16	1.11	7.624	8.39	0.00	1.200	1.226	1.00	1.927	2.31	19.4	33.0	82.0	
Totals:								149.00			3,964.9			28,608.3

Discrete Appurtenance Forces

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Topography: 3

Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

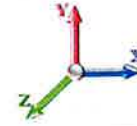
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Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 29

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	147.00	Kathrein 80010965	3	7.602	8.363	0.53	0.75	23.81	991.11	0.000	0.000	199.12	0.00	0.00
2	147.00	Powerwave 7770.00	3	7.602	8.363	0.55	0.75	10.24	391.56	0.000	0.000	85.62	0.00	0.00
3	147.00	Powerwave LGP21401	6	7.602	8.363	0.38	0.75	4.22	164.21	0.000	0.000	35.31	0.00	0.00
4	147.00	Powerwave LGP13519	6	7.602	8.363	0.50	0.75	1.99	61.96	0.000	0.000	16.61	0.00	0.00
5	147.00	Platform w/ Hand Rail	1	7.602	8.363	1.00	1.00	51.60	2793.82	0.000	0.000	431.49	0.00	0.00
6	147.00	CCI HPA65R-BU6A	3	7.602	8.363	0.66	0.75	17.28	555.06	0.000	0.000	144.50	0.00	0.00
7	147.00	4449 B5/B12	3	7.602	8.363	0.50	0.75	3.55	327.20	0.000	0.000	29.68	0.00	0.00
8	147.00	DC6-48-60-18-8F	1	7.602	8.363	0.75	0.75	0.92	63.85	0.000	0.000	7.70	0.00	0.00
9	147.00	DC6-48-60-18-8C	1	7.602	8.363	0.75	0.75	1.29	45.93	0.000	0.000	10.81	0.00	0.00
10	147.00	B2 B66A 8843	3	7.602	8.363	0.50	0.75	3.02	314.92	0.000	0.000	25.24	0.00	0.00
11	137.00	JMA Wireless	4	7.487	8.235	0.61	0.75	44.80	1560.40	0.000	0.000	368.92	0.00	0.00
12	137.00	JMA Wireless	4	7.487	8.235	0.71	0.75	36.36	961.31	0.000	0.000	299.44	0.00	0.00
13	137.00	Samsung MT6413 77A	3	7.487	8.235	0.56	0.75	7.30	402.40	0.000	0.000	60.13	0.00	0.00
14	137.00	Raycap	1	7.487	8.235	0.75	0.75	3.48	92.74	0.000	0.000	28.62	0.00	0.00
15	137.00	Samsung B2/B66A RRH	4	7.487	8.235	0.38	0.75	3.38	799.92	0.000	0.000	27.84	0.00	0.00
16	137.00	Samsung B5/B13 RRH	4	7.487	8.235	0.38	0.75	3.38	847.04	0.000	0.000	27.84	0.00	0.00
17	137.00	Perfect Vision	1	7.487	8.235	1.00	1.00	97.06	5935.25	0.000	0.000	799.34	0.00	0.00
18	137.00	CBC78T-DS-43-2X	3	7.487	8.235	0.50	0.75	0.84	112.03	0.000	0.000	6.88	0.00	0.00
19	127.50	RFS ATMPP1412D-1CWA	3	7.369	8.106	0.38	0.75	1.94	74.98	0.000	0.000	15.73	0.00	0.00
20	127.50	RFS	3	7.369	8.106	0.46	0.75	10.07	410.54	0.000	0.000	81.62	0.00	0.00
21	127.50	AIR 6449 B41	3	7.369	8.106	0.52	0.75	11.44	803.30	0.000	0.000	92.74	0.00	0.00
22	127.50	APXVAARR24_43-U-NA2	3	7.369	8.106	0.52	0.75	33.93	1297.67	0.000	0.000	275.05	0.00	0.00
23	127.50	RFS ATMAA1412D-1A20	3	7.369	8.106	0.38	0.75	1.93	79.36	0.000	0.000	15.62	0.00	0.00
24	127.50	4415 B66A	3	7.369	8.106	0.50	0.75	3.40	226.97	0.000	0.000	27.59	0.00	0.00
25	127.50	Remec S20057A1	3	7.369	8.106	0.38	0.75	1.47	62.71	0.000	0.000	11.90	0.00	0.00
26	127.50	Kathrein 782 11054	3	7.369	8.106	0.38	0.75	0.63	17.27	0.000	0.000	5.09	0.00	0.00
27	127.50	Platform w/ Hand Rail and	1	7.369	8.106	1.00	1.00	56.20	2777.84	0.000	0.000	455.59	0.00	0.00
28	127.50	4424 B25	3	7.369	8.106	0.50	0.75	4.32	229.95	0.000	0.000	35.01	0.00	0.00
29	127.50	4449	3	7.369	8.106	0.50	0.75	3.03	383.23	0.000	0.000	24.57	0.00	0.00
30	87.00	MC-PK8-DSH	1	6.751	7.426	1.00	1.00	65.70	2835.82	0.000	0.000	487.90	0.00	0.00
31	87.00	RDIDC-9181-OF-48	1	6.751	7.426	0.75	0.75	1.79	49.43	0.000	0.000	13.33	0.00	0.00
32	87.00	TA08025-B605	3	6.751	7.426	0.38	0.75	2.63	337.85	0.000	0.000	19.53	0.00	0.00
33	87.00	TA08025-B604	3	6.751	7.426	0.50	0.75	3.52	296.01	0.000	0.000	26.17	0.00	0.00
34	87.00	MX08FRO665-21	3	6.751	7.426	0.55	0.75	22.44	618.13	0.000	0.000	166.63	0.00	0.00
Totals:									26,921.76			4,359.15		

Total Applied Force Summary

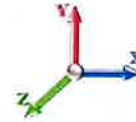
Structure: CT13058-A-SBA	Code: TIA-222-H	1/30/2024
Site Name: Southbury	Exposure: B	
Height: 149.00 (ft)	Crest Height: 165.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 3	Struct Class: II



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

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 29

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
2.00		66.25	627.31	0.00	0.00
4.00		65.91	630.96	0.00	0.00
6.00		65.47	631.39	0.00	0.00
8.00		64.98	630.42	0.00	0.00
10.00		64.47	628.65	0.00	0.00
12.00		63.95	626.36	0.00	0.00
14.00		63.41	623.70	0.00	0.00
16.00		62.87	620.76	0.00	0.00
18.00		62.33	617.60	0.00	0.00
20.00		61.78	614.27	0.00	0.00
22.00		61.22	610.79	0.00	0.00
24.00		60.67	607.19	0.00	0.00
26.00		60.12	603.49	0.00	0.00
28.00		59.56	599.70	0.00	0.00
30.00		59.06	595.83	0.00	0.00
32.00		59.59	591.90	0.00	0.00
34.00		60.06	587.90	0.00	0.00
36.00		60.46	583.84	0.00	0.00
38.00		60.81	579.74	0.00	0.00
40.00		61.10	575.59	0.00	0.00
42.00		61.35	571.40	0.00	0.00
44.00		61.55	567.18	0.00	0.00
46.00		61.72	562.91	0.00	0.00
48.00		61.84	558.62	0.00	0.00
50.00		62.75	892.71	0.00	0.00
52.00		62.81	884.80	0.00	0.00
53.25		39.20	549.07	0.00	0.00
54.00		23.50	206.73	0.00	0.00
56.00		62.85	548.01	0.00	0.00
58.00		62.82	543.59	0.00	0.00
60.00		62.76	539.15	0.00	0.00
62.00		62.68	534.69	0.00	0.00
64.00		62.58	530.22	0.00	0.00
66.00		62.45	525.72	0.00	0.00
68.00		62.30	521.21	0.00	0.00
70.00		62.13	516.68	0.00	0.00
72.00		61.94	512.14	0.00	0.00
74.00		61.73	507.58	0.00	0.00
76.00		61.50	503.01	0.00	0.00
78.00		61.26	498.43	0.00	0.00
80.00		61.00	493.83	0.00	0.00
82.00		60.72	489.22	0.00	0.00
84.00		60.42	484.60	0.00	0.00
86.00		60.11	479.97	0.00	0.00
87.00	(11) attachments	743.45	4375.62	0.00	0.00
88.00		27.01	232.71	0.00	0.00

Total Applied Force Summary

Structure: CT13058-A-SBA	Code: TIA-222-H	1/30/2024
Site Name: Southbury	Exposure: B	
Height: 149.00 (ft)	Crest Height: 165.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 3	Struct Class: II



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90.00		53.81	461.63	0.00	0.00
92.00		53.42	456.95	0.00	0.00
94.00		53.02	452.27	0.00	0.00
96.00		52.61	447.57	0.00	0.00
97.50		39.16	332.70	0.00	0.00
98.00		13.13	148.74	0.00	0.00
100.00		52.34	590.24	0.00	0.00
101.50		38.94	438.29	0.00	0.00
102.00		12.91	84.65	0.00	0.00
104.00		51.44	336.09	0.00	0.00
106.00		50.98	332.78	0.00	0.00
108.00		50.50	329.47	0.00	0.00
110.00		50.02	326.15	0.00	0.00
112.00		49.53	322.82	0.00	0.00
114.00		49.02	319.49	0.00	0.00
116.00		48.51	316.15	0.00	0.00
118.00		47.99	312.80	0.00	0.00
120.00		47.47	309.45	0.00	0.00
122.00		46.93	306.10	0.00	0.00
124.00		46.38	302.73	0.00	0.00
126.00		45.83	299.37	0.00	0.00
127.50	(31) attachments	1074.51	6586.25	0.00	0.00
128.00		11.25	62.49	0.00	0.00
130.00		44.71	247.40	0.00	0.00
132.00		44.13	244.02	0.00	0.00
134.00		43.55	240.63	0.00	0.00
136.00		42.96	237.24	0.00	0.00
137.00	(24) attachments	1640.24	10828.59	0.00	0.00
138.00		21.09	112.69	0.00	0.00
140.00		41.76	222.52	0.00	0.00
142.00		41.16	219.12	0.00	0.00
144.00		40.54	215.71	0.00	0.00
146.00		39.92	212.30	0.00	0.00
147.00	(30) attachments	1005.79	5814.65	0.00	0.00
148.00		19.55	82.85	0.00	0.00
149.00		19.40	82.00	0.00	0.00
Totals:		8,523.03	62,452.10	0.00	0.00

Linear Appurtenance Segment Forces (Factored)

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

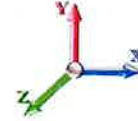
Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

1/30/2024
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Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 29

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
2.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.51	0.61	0.000	0.000	5.255	3.53	6.52
4.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.53	0.63	0.000	0.000	5.248	3.66	6.89
6.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.54	0.65	0.000	0.000	5.240	3.74	7.13
8.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.55	0.66	0.000	0.000	5.233	3.79	7.30
10.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.56	0.67	0.000	0.000	5.225	3.83	7.44
12.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.56	0.67	0.000	0.000	5.218	3.87	7.56
14.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.57	0.68	0.000	0.000	5.211	3.90	7.67
16.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.57	0.69	0.000	0.000	5.203	3.92	7.76
18.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.57	0.69	0.000	0.000	5.196	3.94	7.84
20.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.58	0.69	0.000	0.000	5.189	3.96	7.91
22.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.58	0.70	0.000	0.000	5.182	3.98	7.98
24.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.58	0.70	0.000	0.000	5.175	3.99	8.05
26.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.59	0.70	0.000	0.000	5.168	4.00	8.10
28.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.59	0.71	0.000	0.000	5.161	4.01	8.16
30.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.59	0.71	0.000	0.000	5.158	4.03	8.21
32.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.59	0.71	0.000	0.000	5.247	4.11	8.26
34.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.60	0.71	0.000	0.000	5.332	4.19	8.30
36.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.60	0.72	0.000	0.000	5.412	4.27	8.34
38.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.60	0.72	0.000	0.000	5.490	4.34	8.38
40.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.60	0.72	0.000	0.000	5.563	4.41	8.42
42.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.60	0.72	0.000	0.000	5.634	4.48	8.46
44.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.60	0.73	0.000	0.000	5.702	4.55	8.49
46.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.61	0.73	0.000	0.000	5.768	4.61	8.53
48.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.61	0.73	0.000	0.000	5.831	4.67	8.56
50.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.61	0.73	0.000	0.000	5.892	4.73	8.59
52.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.61	0.73	0.000	0.000	5.951	4.79	8.62
53.25	1.411" Hybrid	Yes	1.25	1.200	1.41	0.38	0.46	0.000	0.000	5.987	3.02	5.40
54.00	1.411" Hybrid	Yes	0.75	1.200	1.41	0.23	0.27	0.000	0.000	6.008	1.82	3.24
56.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.61	0.73	0.000	0.000	6.063	4.90	8.68
58.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.61	0.74	0.000	0.000	6.116	4.95	8.71
60.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.61	0.74	0.000	0.000	6.168	5.00	8.73
62.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.62	0.74	0.000	0.000	6.219	5.05	8.76
64.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.62	0.74	0.000	0.000	6.268	5.10	8.78
66.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.62	0.74	0.000	0.000	6.316	5.15	8.81
68.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.62	0.74	0.000	0.000	6.362	5.20	8.83
70.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.62	0.74	0.000	0.000	6.407	5.24	8.85
72.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.62	0.74	0.000	0.000	6.451	5.28	8.87
74.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.62	0.75	0.000	0.000	6.494	5.33	8.89
76.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.62	0.75	0.000	0.000	6.536	5.37	8.91
78.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.62	0.75	0.000	0.000	6.578	5.41	8.93
80.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.62	0.75	0.000	0.000	6.618	5.45	8.95
82.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.62	0.75	0.000	0.000	6.657	5.49	8.97
84.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.63	0.75	0.000	0.000	6.695	5.53	8.99
86.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.63	0.75	0.000	0.000	6.733	5.57	9.01
87.00	1.411" Hybrid	Yes	1.00	1.200	1.41	0.31	0.38	0.000	0.000	6.751	2.79	4.51
Totals:											199.0	362.3

Calculated Forces

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Topography: 3

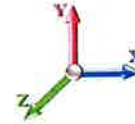
Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

1/30/2024
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Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 29

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-62.45	-8.54	0.00	-948.87	0.00	948.87	3163.75	900.24	3862.85	3372.69	0.00	0.000	0.000	0.301
2.00	-61.82	-8.51	0.00	-931.79	0.00	931.79	3150.20	892.58	3797.40	3329.51	0.01	-0.031	0.000	0.300
4.00	-61.18	-8.47	0.00	-914.78	0.00	914.78	3136.42	884.92	3732.51	3286.32	0.03	-0.062	0.000	0.298
6.00	-60.55	-8.44	0.00	-897.83	0.00	897.83	3122.41	877.26	3668.18	3243.16	0.06	-0.093	0.000	0.296
8.00	-59.91	-8.41	0.00	-880.95	0.00	880.95	3108.17	869.60	3604.41	3200.01	0.11	-0.125	0.000	0.295
10.00	-59.28	-8.37	0.00	-864.14	0.00	864.14	3093.71	861.94	3541.20	3156.89	0.16	-0.157	0.000	0.293
12.00	-58.65	-8.34	0.00	-847.39	0.00	847.39	3079.01	854.28	3478.55	3113.79	0.24	-0.189	0.000	0.291
14.00	-58.02	-8.31	0.00	-830.71	0.00	830.71	3064.08	846.62	3416.45	3070.74	0.32	-0.221	0.000	0.290
16.00	-57.39	-8.28	0.00	-814.09	0.00	814.09	3048.92	838.96	3354.92	3027.73	0.42	-0.253	0.000	0.288
18.00	-56.77	-8.24	0.00	-797.54	0.00	797.54	3033.54	831.30	3293.94	2984.78	0.54	-0.286	0.000	0.286
20.00	-56.15	-8.21	0.00	-781.06	0.00	781.06	3017.92	823.65	3233.53	2941.88	0.66	-0.319	0.000	0.284
22.00	-55.54	-8.18	0.00	-764.64	0.00	764.64	3002.08	815.99	3173.67	2899.04	0.80	-0.352	0.000	0.282
24.00	-54.93	-8.14	0.00	-748.28	0.00	748.28	2986.01	808.33	3114.37	2856.27	0.96	-0.385	0.000	0.280
26.00	-54.32	-8.11	0.00	-732.00	0.00	732.00	2969.70	800.67	3055.63	2813.58	1.13	-0.419	0.000	0.279
28.00	-53.71	-8.08	0.00	-715.77	0.00	715.77	2953.17	793.01	2997.46	2770.98	1.31	-0.453	0.000	0.277
30.00	-53.11	-8.05	0.00	-699.61	0.00	699.61	2936.41	785.35	2939.84	2728.46	1.51	-0.487	0.000	0.275
32.00	-52.52	-8.01	0.00	-683.52	0.00	683.52	2919.42	777.69	2882.77	2686.03	1.72	-0.521	0.000	0.273
34.00	-51.93	-7.98	0.00	-667.49	0.00	667.49	2902.20	770.03	2826.27	2643.71	1.94	-0.555	0.000	0.270
36.00	-51.34	-7.94	0.00	-651.53	0.00	651.53	2884.75	762.37	2770.33	2601.49	2.18	-0.590	0.000	0.268
38.00	-50.75	-7.91	0.00	-635.64	0.00	635.64	2867.07	754.71	2714.95	2559.39	2.44	-0.625	0.000	0.266
40.00	-50.18	-7.87	0.00	-619.82	0.00	619.82	2849.16	747.06	2660.12	2517.41	2.71	-0.660	0.000	0.264
42.00	-49.60	-7.83	0.00	-604.08	0.00	604.08	2831.02	739.40	2605.86	2475.55	2.99	-0.695	0.000	0.262
44.00	-49.03	-7.80	0.00	-588.41	0.00	588.41	2812.65	731.74	2552.15	2433.83	3.29	-0.730	0.000	0.259
46.00	-48.46	-7.76	0.00	-572.82	0.00	572.82	2794.05	724.08	2499.01	2392.24	3.60	-0.766	0.000	0.257
48.00	-47.90	-7.72	0.00	-557.31	0.00	557.31	2775.23	716.42	2446.42	2350.80	3.93	-0.801	0.000	0.254
50.00	-47.00	-7.67	0.00	-541.87	0.00	541.87	2756.17	708.76	2394.39	2309.51	4.28	-0.837	0.000	0.252
52.00	-46.11	-7.62	0.00	-526.53	0.00	526.53	2736.89	701.10	2342.92	2268.38	4.64	-0.873	0.000	0.249
53.25	-45.56	-7.59	0.00	-517.01	0.00	517.01	2752.25	707.19	2383.82	2301.09	4.87	-0.896	0.000	0.241
54.00	-45.35	-7.58	0.00	-511.32	0.00	511.32	2745.02	704.32	2364.50	2285.66	5.01	-0.909	0.000	0.240
56.00	-44.80	-7.53	0.00	-496.16	0.00	496.16	2725.61	696.66	2313.35	2244.62	5.40	-0.944	0.000	0.238
58.00	-44.26	-7.49	0.00	-481.10	0.00	481.10	2705.96	689.00	2262.76	2203.75	5.80	-0.978	0.000	0.235
60.00	-43.71	-7.44	0.00	-466.12	0.00	466.12	2686.08	681.34	2212.74	2163.06	6.22	-1.013	0.000	0.232
62.00	-43.18	-7.40	0.00	-451.23	0.00	451.23	2665.98	673.69	2163.27	2122.54	6.65	-1.048	0.000	0.229
64.00	-42.64	-7.35	0.00	-436.44	0.00	436.44	2645.64	666.03	2114.36	2082.21	7.10	-1.083	0.000	0.226
66.00	-42.11	-7.30	0.00	-421.74	0.00	421.74	2625.07	658.37	2066.01	2042.08	7.56	-1.117	0.000	0.223
68.00	-41.59	-7.26	0.00	-407.14	0.00	407.14	2604.28	650.71	2018.23	2002.14	8.03	-1.152	0.000	0.219
70.00	-41.07	-7.21	0.00	-392.63	0.00	392.63	2583.26	643.05	1971.00	1962.41	8.52	-1.187	0.000	0.216
72.00	-40.55	-7.16	0.00	-378.21	0.00	378.21	2562.00	635.39	1924.32	1922.89	9.03	-1.222	0.000	0.213
74.00	-40.04	-7.11	0.00	-363.89	0.00	363.89	2540.52	627.73	1878.21	1883.58	9.55	-1.256	0.000	0.209
76.00	-39.54	-7.06	0.00	-349.67	0.00	349.67	2518.81	620.07	1832.66	1844.50	10.08	-1.291	0.000	0.205
78.00	-39.04	-7.01	0.00	-335.55	0.00	335.55	2496.87	612.41	1787.67	1805.66	10.63	-1.325	0.000	0.202
80.00	-38.54	-6.96	0.00	-321.52	0.00	321.52	2474.70	604.76	1743.23	1767.05	11.19	-1.359	0.000	0.198
82.00	-38.05	-6.91	0.00	-307.59	0.00	307.59	2452.30	597.10	1699.36	1728.68	11.77	-1.394	0.000	0.194
84.00	-37.56	-6.86	0.00	-293.77	0.00	293.77	2429.67	589.44	1656.04	1690.56	12.36	-1.427	0.000	0.189
86.00	-37.08	-6.81	0.00	-280.04	0.00	280.04	2406.81	581.78	1613.28	1652.69	12.96	-1.461	0.000	0.185
87.00	-32.72	-5.96	0.00	-273.23	0.00	273.23	2395.29	577.95	1592.12	1633.86	13.27	-1.478	0.000	0.181
88.00	-32.49	-5.94	0.00	-267.27	0.00	267.27	2383.72	574.12	1571.09	1615.09	13.58	-1.494	0.000	0.179
90.00	-32.03	-5.90	0.00	-255.39	0.00	255.39	2360.40	566.46	1529.45	1577.76	14.22	-1.528	0.000	0.176

Calculated Forces

Structure: CT13058-A-SBA

Code: TIA-222-H

1/30/2024

Site Name: Southbury

Exposure: B

Height: 149.00 (ft)

Crest Height: 165.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 3

Struct Class: II

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92.00	-31.57	-5.85	0.00	-243.60	0.00	243.60	2336.86	558.80	1488.37	1540.70	14.86	-1.560	0.000	0.172
94.00	-31.11	-5.80	0.00	-231.90	0.00	231.90	2313.08	551.14	1447.85	1503.92	15.52	-1.593	0.000	0.168
96.00	-30.66	-5.75	0.00	-220.30	0.00	220.30	2289.08	543.48	1407.89	1467.43	16.20	-1.625	0.000	0.164
97.50	-30.33	-5.71	0.00	-211.68	0.00	211.68	2270.92	537.74	1378.29	1440.25	16.71	-1.650	0.000	0.160
98.00	-30.18	-5.70	0.00	-208.82	0.00	208.82	2264.84	535.82	1368.49	1431.23	16.89	-1.658	0.000	0.159
100.00	-29.59	-5.65	0.00	-197.42	0.00	197.42	2235.90	528.17	1329.64	1392.54	17.59	-1.689	0.000	0.155
101.50	-29.15	-5.60	0.00	-188.95	0.00	188.95	1129.30	318.67	806.75	710.20	18.12	-1.713	0.000	0.292
102.00	-29.06	-5.60	0.00	-186.15	0.00	186.15	1127.21	317.53	800.95	706.31	18.30	-1.721	0.000	0.290
104.00	-28.73	-5.57	0.00	-174.94	0.00	174.94	1118.71	312.93	777.93	690.78	19.03	-1.769	0.000	0.279
106.00	-28.39	-5.53	0.00	-163.81	0.00	163.81	1109.97	308.33	755.25	675.26	19.79	-1.817	0.000	0.268
108.00	-28.06	-5.49	0.00	-152.76	0.00	152.76	1101.01	303.74	732.91	659.76	20.56	-1.864	0.000	0.257
110.00	-27.73	-5.45	0.00	-141.78	0.00	141.78	1091.82	299.14	710.90	644.29	21.35	-1.909	0.000	0.246
112.00	-27.40	-5.41	0.00	-130.88	0.00	130.88	1082.40	294.55	689.22	628.86	22.16	-1.953	0.000	0.234
114.00	-27.08	-5.37	0.00	-120.06	0.00	120.06	1072.75	289.95	667.88	613.46	22.98	-1.995	0.000	0.221
116.00	-26.76	-5.33	0.00	-109.32	0.00	109.32	1062.87	285.36	646.88	598.11	23.83	-2.036	0.000	0.208
118.00	-26.45	-5.29	0.00	-98.67	0.00	98.67	1052.76	280.76	626.22	582.82	24.69	-2.074	0.000	0.195
120.00	-26.14	-5.24	0.00	-88.10	0.00	88.10	1042.42	276.17	605.88	567.58	25.57	-2.111	0.000	0.181
122.00	-25.83	-5.20	0.00	-77.61	0.00	77.61	1031.85	271.57	585.89	552.42	26.46	-2.145	0.000	0.166
124.00	-25.53	-5.16	0.00	-67.21	0.00	67.21	1021.06	266.98	566.23	537.32	27.36	-2.176	0.000	0.150
126.00	-25.23	-5.11	0.00	-56.90	0.00	56.90	1010.03	262.38	546.90	522.30	28.28	-2.204	0.000	0.134
127.50	-18.69	-3.78	0.00	-49.23	0.00	49.23	1001.61	258.93	532.63	511.09	28.98	-2.223	0.000	0.115
128.00	-18.63	-3.78	0.00	-47.34	0.00	47.34	998.77	257.79	527.91	507.37	29.21	-2.229	0.000	0.112
130.00	-18.38	-3.73	0.00	-39.79	0.00	39.79	987.29	253.19	509.26	492.52	30.15	-2.251	0.000	0.100
132.00	-18.14	-3.68	0.00	-32.34	0.00	32.34	975.57	248.59	490.94	477.78	31.10	-2.270	0.000	0.086
134.00	-17.90	-3.63	0.00	-24.98	0.00	24.98	963.63	244.00	472.96	463.14	32.05	-2.286	0.000	0.073
136.00	-17.66	-3.58	0.00	-17.71	0.00	17.71	951.45	239.40	455.31	448.61	33.01	-2.299	0.000	0.058
137.00	-6.91	-1.51	0.00	-14.13	0.00	14.13	945.28	237.11	446.61	441.38	33.49	-2.304	0.000	0.039
138.00	-6.79	-1.48	0.00	-12.63	0.00	12.63	939.05	234.81	438.00	434.19	33.98	-2.308	0.000	0.036
140.00	-6.57	-1.43	0.00	-9.66	0.00	9.66	926.42	230.21	421.02	419.90	34.94	-2.315	0.000	0.030
142.00	-6.36	-1.38	0.00	-6.79	0.00	6.79	913.56	225.62	404.38	405.73	35.91	-2.321	0.000	0.024
144.00	-6.14	-1.34	0.00	-4.02	0.00	4.02	900.47	221.02	388.08	391.70	36.89	-2.325	0.000	0.017
146.00	-5.93	-1.29	0.00	-1.35	0.00	1.35	887.14	216.43	372.11	377.81	37.86	-2.327	0.000	0.010
147.00	-0.16	-0.05	0.00	-0.07	0.00	0.07	880.40	214.13	364.25	370.92	38.35	-2.328	0.000	0.000
148.00	-0.08	-0.02	0.00	-0.02	0.00	0.02	873.59	211.83	356.47	364.07	38.84	-2.328	0.000	0.000
149.00	0.00	-0.02	0.00	0.00	0.00	0.00	866.73	209.53	348.78	357.26	39.32	-2.328	0.000	0.000

Seismic Segment Forces (Factored)

Structure: CT13058-A-SBA	Code: TIA-222-H	1/30/2024
Site Name: Southbury	Exposure: B	
Height: 149.00 (ft)	Crest Height: 165.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 3	Struct Class: II




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Load Case: 1.2D + 1.0Ev + 1.0Eh				Iterations 25
Gust Response Factor	1.10	Sds	0.21	Ss 0.20
Dead Load Factor	1.20	Seismic Load Factor	1.00	S1 0.05
Wind Load Factor	0.00	Structure Frequency (f1)	0.29	SA 0.03
				Seismic Importance Factor 1.00



Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	
2.00		446.13	1.00	18.94	0.00	
4.00		443.16	3.00	18.81	0.00	
6.00		440.19	5.00	18.69	0.00	
8.00		437.22	7.00	18.56	0.01	
10.00		434.25	9.00	18.44	0.01	
12.00		431.28	11.00	18.31	0.01	
14.00		428.31	13.00	18.18	0.02	
16.00		425.34	15.00	18.06	0.02	
18.00		422.37	17.00	17.93	0.03	
20.00		419.40	19.00	17.80	0.04	
22.00		416.43	21.00	17.68	0.04	
24.00		413.46	23.00	17.55	0.05	
26.00		410.49	25.00	17.43	0.06	
28.00		407.52	27.00	17.30	0.07	
30.00		404.55	29.00	17.17	0.08	
32.00		401.58	31.00	17.05	0.09	
34.00		398.61	33.00	16.92	0.10	
36.00		395.64	35.00	16.80	0.11	
38.00		392.67	37.00	16.67	0.12	
40.00		389.70	39.00	16.54	0.13	
42.00		386.73	41.00	16.42	0.14	
44.00		383.76	43.00	16.29	0.16	
46.00		380.79	45.00	16.17	0.17	
48.00	Bot - Section 2	377.82	47.00	16.04	0.18	
50.00		655.40	49.00	27.82	0.59	
52.00		649.46	51.00	27.57	0.63	
53.25	Top - Section 1	402.89	52.63	17.10	0.26	
54.00		139.57	53.63	5.93	0.03	
56.00		370.16	55.00	15.71	0.24	
58.00		367.19	57.00	15.59	0.25	
60.00		364.22	59.00	15.46	0.27	
62.00		361.25	61.00	15.34	0.28	
64.00		358.28	63.00	15.21	0.29	
66.00		355.31	65.00	15.08	0.31	
68.00		352.34	67.00	14.96	0.32	
70.00		349.37	69.00	14.83	0.33	
72.00		346.40	71.00	14.71	0.35	
74.00		343.43	73.00	14.58	0.36	
76.00		340.46	75.00	14.45	0.37	
78.00		337.49	77.00	14.33	0.39	
80.00		334.52	79.00	14.20	0.40	
82.00		331.55	81.00	14.08	0.41	
84.00		328.58	83.00	13.95	0.43	
86.00		325.61	85.00	13.82	0.44	
87.00	Appurtenance(s)	2520.7	86.50	107.02	27.31	

Seismic Segment Forces (Factored)

Structure: CT13058-A-SBA	Code: TIA-222-H	1/30/2024
Site Name: Southbury	Exposure: B	
Height: 149.00 (ft)	Crest Height: 165.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 3	
		Page: 35

88.00		159.58	87.50	6.77	0.11
90.00		316.93	89.00	13.45	0.46
92.00		313.96	91.00	13.33	0.47
94.00		310.99	93.00	13.20	0.48
96.00		308.02	95.00	13.08	0.49
97.50	Bot - Section 3	229.07	96.75	9.72	0.28
98.00		107.71	97.75	4.57	0.06
100.00		427.88	99.00	18.17	1.03
101.50	Top - Section 2	317.80	100.75	13.49	0.59
102.00		54.78	101.75	2.33	0.02
104.00		218.02	103.00	9.26	0.29
106.00		216.24	105.00	9.18	0.30
108.00		214.46	107.00	9.10	0.30
110.00		212.68	109.00	9.03	0.31
112.00		210.90	111.00	8.95	0.31
114.00		209.11	113.00	8.88	0.32
116.00		207.33	115.00	8.80	0.33
118.00		205.55	117.00	8.73	0.33
120.00		203.77	119.00	8.65	0.34
122.00		201.99	121.00	8.57	0.34
124.00		200.20	123.00	8.50	0.35
126.00		198.42	125.00	8.42	0.35
127.50	Appurtenance(s)	3247.9	126.75	137.89	97.36
128.00		37.69	127.75	1.60	0.01
130.00		149.64	129.00	6.35	0.21
132.00		147.86	131.00	6.28	0.22
134.00		146.08	133.00	6.20	0.22
136.00		144.30	135.00	6.13	0.22
137.00	Appurtenance(s)	5087.8	136.50	215.99	277.06
138.00		67.07	137.50	2.85	0.05
140.00		132.81	139.00	5.64	0.20
142.00		131.03	141.00	5.56	0.20
144.00		129.25	143.00	5.49	0.20
146.00		127.47	145.00	5.41	0.20
147.00	Appurtenance(s)	2810.7	146.50	119.33	97.40
148.00		41.29	147.50	1.75	0.02
149.00		40.85	148.50	1.73	0.02
Totals:		37,308.8		1,583.9	517.4
				Total Wind:	29,109.5

Calculated Forces

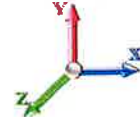
Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Topography: 3

Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

1/30/2024

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Load Case: 1.2D + 1.0Ev + 1.0Eh

Iterations 25

Gust Response Factor 1.10

Sds 0.21

Ss 0.20

Dead Load Factor 1.20 **Seismic Load Factor** 1.00 **Sd1** 0.09

S1 0.05

Wind Load Factor 0.00 **Structure Frequency (f1)** 0.29 **SA** 0.03 **Seismic Importance Factor** 1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-45.02	-0.52	0.00	-73.75	0.00	73.75	3163.75	900.24	3862.85	3372.69	0.00	0.00	0.00	0.036
2.00	-44.48	-0.52	0.00	-72.72	0.00	72.72	3150.20	892.58	3797.40	3329.51	0.00	0.00	0.00	0.036
4.00	-43.95	-0.52	0.00	-71.68	0.00	71.68	3136.42	884.92	3732.51	3286.32	0.00	0.00	0.00	0.036
6.00	-43.43	-0.52	0.00	-70.64	0.00	70.64	3122.41	877.26	3668.18	3243.16	0.00	-0.01	-0.01	0.036
8.00	-42.90	-0.52	0.00	-69.60	0.00	69.60	3108.17	869.60	3604.41	3200.01	0.01	-0.01	-0.01	0.036
10.00	-42.38	-0.52	0.00	-68.56	0.00	68.56	3093.71	861.94	3541.20	3156.89	0.01	-0.01	-0.01	0.035
12.00	-41.87	-0.53	0.00	-67.51	0.00	67.51	3079.01	854.28	3478.55	3113.79	0.02	-0.01	-0.01	0.035
14.00	-41.35	-0.53	0.00	-66.45	0.00	66.45	3064.08	846.62	3416.45	3070.74	0.03	-0.02	-0.02	0.035
16.00	-40.85	-0.53	0.00	-65.40	0.00	65.40	3048.92	838.96	3354.92	3027.73	0.03	-0.02	-0.02	0.035
18.00	-40.34	-0.53	0.00	-64.34	0.00	64.34	3033.54	831.30	3293.94	2984.78	0.04	-0.02	-0.02	0.035
20.00	-39.84	-0.53	0.00	-63.27	0.00	63.27	3017.92	823.65	3233.53	2941.88	0.05	-0.03	-0.03	0.035
22.00	-39.34	-0.53	0.00	-62.21	0.00	62.21	3002.08	815.99	3173.67	2899.04	0.06	-0.03	-0.03	0.035
24.00	-38.85	-0.54	0.00	-61.14	0.00	61.14	2986.01	808.33	3114.37	2856.27	0.08	-0.03	-0.03	0.034
26.00	-38.36	-0.54	0.00	-60.07	0.00	60.07	2969.70	800.67	3055.63	2813.58	0.09	-0.03	-0.03	0.034
28.00	-37.87	-0.54	0.00	-58.99	0.00	58.99	2953.17	793.01	2997.46	2770.98	0.10	-0.04	-0.04	0.034
30.00	-37.39	-0.54	0.00	-57.91	0.00	57.91	2936.41	785.35	2939.84	2728.46	0.12	-0.04	-0.04	0.034
32.00	-36.91	-0.54	0.00	-56.83	0.00	56.83	2919.42	777.69	2882.77	2686.03	0.14	-0.04	-0.04	0.034
34.00	-36.43	-0.54	0.00	-55.75	0.00	55.75	2902.20	770.03	2826.27	2643.71	0.15	-0.04	-0.04	0.034
36.00	-35.96	-0.54	0.00	-54.66	0.00	54.66	2884.75	762.37	2770.33	2601.49	0.17	-0.05	-0.05	0.033
38.00	-35.49	-0.55	0.00	-53.57	0.00	53.57	2867.07	754.71	2714.95	2559.39	0.19	-0.05	-0.05	0.033
40.00	-35.03	-0.55	0.00	-52.48	0.00	52.48	2849.16	747.06	2660.12	2517.41	0.22	-0.05	-0.05	0.033
42.00	-34.57	-0.55	0.00	-51.38	0.00	51.38	2831.02	739.40	2605.86	2475.55	0.24	-0.06	-0.06	0.033
44.00	-34.11	-0.55	0.00	-50.29	0.00	50.29	2812.65	731.74	2552.15	2433.83	0.26	-0.06	-0.06	0.033
46.00	-33.66	-0.55	0.00	-49.19	0.00	49.19	2794.05	724.08	2499.01	2392.24	0.29	-0.06	-0.06	0.033
48.00	-33.21	-0.55	0.00	-48.09	0.00	48.09	2775.23	716.42	2446.42	2350.80	0.32	-0.07	-0.07	0.032
50.00	-32.41	-0.55	0.00	-46.98	0.00	46.98	2756.17	708.76	2394.39	2309.51	0.34	-0.07	-0.07	0.032
52.00	-31.62	-0.55	0.00	-45.88	0.00	45.88	2736.89	701.10	2342.92	2268.38	0.37	-0.07	-0.07	0.032
53.25	-31.14	-0.55	0.00	-45.19	0.00	45.19	2752.25	707.19	2383.82	2301.09	0.39	-0.07	-0.07	0.031
54.00	-30.97	-0.55	0.00	-44.77	0.00	44.77	2745.02	704.32	2364.50	2285.66	0.40	-0.08	-0.08	0.031
56.00	-30.53	-0.55	0.00	-43.67	0.00	43.67	2725.61	696.66	2313.35	2244.62	0.44	-0.08	-0.08	0.031
58.00	-30.09	-0.55	0.00	-42.56	0.00	42.56	2705.96	689.00	2262.76	2203.75	0.47	-0.08	-0.08	0.030
60.00	-29.66	-0.56	0.00	-41.45	0.00	41.45	2686.08	681.34	2212.74	2163.06	0.50	-0.08	-0.08	0.030
62.00	-29.23	-0.56	0.00	-40.34	0.00	40.34	2665.98	673.69	2163.27	2122.54	0.54	-0.09	-0.09	0.030
64.00	-28.81	-0.56	0.00	-39.23	0.00	39.23	2645.64	666.03	2114.36	2082.21	0.58	-0.09	-0.09	0.030
66.00	-28.38	-0.56	0.00	-38.12	0.00	38.12	2625.07	658.37	2066.01	2042.08	0.62	-0.09	-0.09	0.029
68.00	-27.97	-0.56	0.00	-37.00	0.00	37.00	2604.28	650.71	2018.23	2002.14	0.66	-0.10	-0.10	0.029
70.00	-27.55	-0.56	0.00	-35.89	0.00	35.89	2583.26	643.05	1971.00	1962.41	0.70	-0.10	-0.10	0.029
72.00	-27.14	-0.56	0.00	-34.77	0.00	34.77	2562.00	635.39	1924.32	1922.89	0.74	-0.10	-0.10	0.029
74.00	-26.73	-0.56	0.00	-33.65	0.00	33.65	2540.52	627.73	1878.21	1883.58	0.78	-0.11	-0.11	0.028
76.00	-26.33	-0.56	0.00	-32.53	0.00	32.53	2518.81	620.07	1832.66	1844.50	0.83	-0.11	-0.11	0.028
78.00	-25.93	-0.56	0.00	-31.41	0.00	31.41	2496.87	612.41	1787.67	1805.66	0.88	-0.11	-0.11	0.028
80.00	-25.54	-0.56	0.00	-30.29	0.00	30.29	2474.70	604.76	1743.23	1767.05	0.92	-0.12	-0.12	0.027
82.00	-25.14	-0.56	0.00	-29.17	0.00	29.17	2452.30	597.10	1699.36	1728.68	0.97	-0.12	-0.12	0.027
84.00	-24.75	-0.56	0.00	-28.05	0.00	28.05	2429.67	589.44	1656.04	1690.56	1.02	-0.12	-0.12	0.027
86.00	-24.37	-0.56	0.00	-26.93	0.00	26.93	2406.81	581.78	1613.28	1652.69	1.08	-0.13	-0.13	0.026
87.00	-21.25	-0.53	0.00	-26.37	0.00	26.37	2395.29	577.95	1592.12	1633.86	1.10	-0.13	-0.13	0.025
88.00	-21.06	-0.53	0.00	-25.85	0.00	25.85	2383.72	574.12	1571.09	1615.09	1.13	-0.13	-0.13	0.025

Calculated Forces

Structure: CT13058-A-SBA

Code: TIA-222-H

1/30/2024

Site Name: Southbury

Exposure: B

Height: 149.00 (ft)

Crest Height: 165.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 3

Struct Class: II

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90.00	-20.68	-0.53	0.00	-24.79	0.00	24.79	2360.40	566.46	1529.45	1577.76	1.18	-0.13	0.024
92.00	-20.31	-0.53	0.00	-23.74	0.00	23.74	2336.86	558.80	1488.37	1540.70	1.24	-0.14	0.024
94.00	-19.95	-0.53	0.00	-22.68	0.00	22.68	2313.08	551.14	1447.85	1503.92	1.30	-0.14	0.024
96.00	-19.58	-0.53	0.00	-21.63	0.00	21.63	2289.08	543.48	1407.89	1467.43	1.36	-0.14	0.023
97.50	-19.31	-0.53	0.00	-20.84	0.00	20.84	2270.92	537.74	1378.29	1440.25	1.40	-0.14	0.023
98.00	-19.18	-0.53	0.00	-20.58	0.00	20.58	2264.84	535.82	1368.49	1431.23	1.42	-0.14	0.023
100.00	-18.67	-0.52	0.00	-19.53	0.00	19.53	2235.90	528.17	1329.64	1392.54	1.48	-0.15	0.022
101.50	-18.29	-0.52	0.00	-18.74	0.00	18.74	1129.30	318.67	806.75	710.20	1.52	-0.15	0.043
102.00	-18.23	-0.52	0.00	-18.48	0.00	18.48	1127.21	317.53	800.95	706.31	1.54	-0.15	0.042
104.00	-17.97	-0.53	0.00	-17.43	0.00	17.43	1118.71	312.93	777.93	690.78	1.60	-0.16	0.041
106.00	-17.73	-0.53	0.00	-16.38	0.00	16.38	1109.97	308.33	755.25	675.26	1.67	-0.16	0.040
108.00	-17.48	-0.53	0.00	-15.33	0.00	15.33	1101.01	303.74	732.91	659.76	1.74	-0.17	0.039
110.00	-17.23	-0.53	0.00	-14.28	0.00	14.28	1091.82	299.14	710.90	644.29	1.81	-0.17	0.038
112.00	-16.99	-0.53	0.00	-13.22	0.00	13.22	1082.40	294.55	689.22	628.86	1.88	-0.17	0.037
114.00	-16.75	-0.53	0.00	-12.17	0.00	12.17	1072.75	289.95	667.88	613.46	1.95	-0.18	0.035
116.00	-16.51	-0.53	0.00	-11.12	0.00	11.12	1062.87	285.36	646.88	598.11	2.03	-0.18	0.034
118.00	-16.27	-0.53	0.00	-10.06	0.00	10.06	1052.76	280.76	626.22	582.82	2.11	-0.19	0.033
120.00	-16.04	-0.53	0.00	-9.01	0.00	9.01	1042.42	276.17	605.88	567.58	2.19	-0.19	0.031
122.00	-15.81	-0.53	0.00	-7.95	0.00	7.95	1031.85	271.57	585.89	552.42	2.27	-0.19	0.030
124.00	-15.58	-0.53	0.00	-6.90	0.00	6.90	1021.06	266.98	566.23	537.32	2.35	-0.20	0.028
126.00	-15.35	-0.53	0.00	-5.85	0.00	5.85	1010.03	262.38	546.90	522.30	2.43	-0.20	0.026
127.50	-11.33	-0.42	0.00	-5.06	0.00	5.06	1001.61	258.93	532.63	511.09	2.49	-0.20	0.021
128.00	-11.29	-0.42	0.00	-4.85	0.00	4.85	998.77	257.79	527.91	507.37	2.52	-0.20	0.021
130.00	-11.11	-0.41	0.00	-4.02	0.00	4.02	987.29	253.19	509.26	492.52	2.60	-0.20	0.019
132.00	-10.94	-0.41	0.00	-3.19	0.00	3.19	975.57	248.59	490.94	477.78	2.69	-0.21	0.018
134.00	-10.77	-0.41	0.00	-2.36	0.00	2.36	963.63	244.00	472.96	463.14	2.77	-0.21	0.016
136.00	-10.60	-0.41	0.00	-1.53	0.00	1.53	951.45	239.40	455.31	448.61	2.86	-0.21	0.015
137.00	-4.28	-0.11	0.00	-1.12	0.00	1.12	945.28	237.11	446.61	441.38	2.91	-0.21	0.007
138.00	-4.20	-0.11	0.00	-1.01	0.00	1.01	939.05	234.81	438.00	434.19	2.95	-0.21	0.007
140.00	-4.05	-0.11	0.00	-0.78	0.00	0.78	926.42	230.21	421.02	419.90	3.04	-0.21	0.006
142.00	-3.89	-0.11	0.00	-0.56	0.00	0.56	913.56	225.62	404.38	405.73	3.13	-0.21	0.006
144.00	-3.74	-0.11	0.00	-0.33	0.00	0.33	900.47	221.02	388.08	391.70	3.21	-0.21	0.005
146.00	-3.59	-0.11	0.00	-0.11	0.00	0.11	887.14	216.43	372.11	377.81	3.30	-0.21	0.004
147.00	-0.10	0.00	0.00	0.00	0.00	0.00	880.40	214.13	364.25	370.92	3.35	-0.21	0.000
148.00	-0.05	0.00	0.00	0.00	0.00	0.00	873.59	211.83	356.47	364.07	3.39	-0.21	0.000
149.00	0.00	0.00	0.00	0.00	0.00	0.00	866.73	209.53	348.78	357.26	3.44	-0.21	0.000

Seismic Segment Forces (Factored)

Structure: CT13058-A-SBA	Code: TIA-222-H	1/30/2024
Site Name: Southbury	Exposure: B	
Height: 149.00 (ft)	Crest Height: 165.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 3	Struct Class: II



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Load Case: 0.9D + 1.0Ev + 1.0Eh				Iterations 25
Gust Response Factor	1.10	Sds	0.21	Ss 0.20
Dead Load Factor	0.90	Seismic Load Factor	1.00	S1 0.05
Wind Load Factor	0.00	Structure Frequency (f1)	0.29	SA 0.03
				Seismic Importance Factor 1.00



Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	
2.00		421.50	1.00	17.89	0.00	
4.00		418.53	3.00	17.77	0.00	
6.00		415.56	5.00	17.64	0.00	
8.00		412.59	7.00	17.52	0.00	
10.00		409.62	9.00	17.39	0.01	
12.00		406.65	11.00	17.26	0.01	
14.00		403.68	13.00	17.14	0.02	
16.00		400.71	15.00	17.01	0.02	
18.00		397.74	17.00	16.89	0.03	
20.00		394.77	19.00	16.76	0.03	
22.00		391.80	21.00	16.63	0.04	
24.00		388.83	23.00	16.51	0.05	
26.00		385.86	25.00	16.38	0.05	
28.00		382.89	27.00	16.25	0.06	
30.00		379.92	29.00	16.13	0.07	
32.00		376.95	31.00	16.00	0.08	
34.00		373.98	33.00	15.88	0.09	
36.00		371.01	35.00	15.75	0.10	
38.00		368.04	37.00	15.62	0.11	
40.00		365.07	39.00	15.50	0.12	
42.00		362.10	41.00	15.37	0.13	
44.00		359.13	43.00	15.25	0.14	
46.00		356.16	45.00	15.12	0.15	
48.00	Bot - Section 2	353.19	47.00	14.99	0.16	
50.00		630.77	49.00	26.78	0.55	
52.00		624.83	51.00	26.53	0.59	
53.25	Top - Section 1	387.50	52.63	16.45	0.24	
54.00		130.34	53.63	5.53	0.03	
56.00		345.53	55.00	14.67	0.21	
58.00		342.56	57.00	14.54	0.22	
60.00		339.59	59.00	14.42	0.23	
62.00		336.62	61.00	14.29	0.24	
64.00		333.65	63.00	14.16	0.26	
66.00		330.68	65.00	14.04	0.27	
68.00		327.71	67.00	13.91	0.28	
70.00		324.74	69.00	13.79	0.29	
72.00		321.77	71.00	13.66	0.30	
74.00		318.80	73.00	13.53	0.31	
76.00		315.83	75.00	13.41	0.33	
78.00		312.86	77.00	13.28	0.34	
80.00		309.89	79.00	13.16	0.35	
82.00		306.92	81.00	13.03	0.36	
84.00		303.95	83.00	12.90	0.37	
86.00		300.98	85.00	12.78	0.38	
87.00	Appurtenance(s)	2508.4	86.50	106.49	27.32	

Seismic Segment Forces (Factored)

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

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88.00		147.61	87.50	6.27	0.10
90.00		292.99	89.00	12.44	0.39
92.00		290.02	91.00	12.31	0.40
94.00		287.05	93.00	12.19	0.41
96.00		284.08	95.00	12.06	0.42
97.50	Bot - Section 3	211.11	96.75	8.96	0.24
98.00		101.73	97.75	4.32	0.06
100.00		403.94	99.00	17.15	0.93
101.50	Top - Section 2	299.84	100.75	12.73	0.53
102.00		48.80	101.75	2.07	0.01
104.00		194.08	103.00	8.24	0.23
106.00		192.30	105.00	8.16	0.24
108.00		190.51	107.00	8.09	0.24
110.00		188.73	109.00	8.01	0.25
112.00		186.95	111.00	7.94	0.25
114.00		185.17	113.00	7.86	0.25
116.00		183.39	115.00	7.79	0.26
118.00		181.60	117.00	7.71	0.26
120.00		179.82	119.00	7.63	0.27
122.00		178.04	121.00	7.56	0.27
124.00		176.26	123.00	7.48	0.27
126.00		174.48	125.00	7.41	0.28
127.50	Appurtenance(s)	3229.9	126.75	137.12	97.24
128.00		34.53	127.75	1.47	0.01
130.00		137.00	129.00	5.82	0.18
132.00		135.22	131.00	5.74	0.18
134.00		133.44	133.00	5.66	0.18
136.00		131.65	135.00	5.59	0.18
137.00	Appurtenance(s)	5081.4	136.50	215.73	279.12
138.00		61.74	137.50	2.62	0.04
140.00		122.15	139.00	5.19	0.17
142.00		120.37	141.00	5.11	0.17
144.00		118.59	143.00	5.03	0.17
146.00		116.80	145.00	4.96	0.17
147.00	Appurtenance(s)	2805.4	146.50	119.10	98.00
148.00		41.29	147.50	1.75	0.02
149.00		40.85	148.50	1.73	0.02
Totals:		35,639.2	1,513.0	517.4	Total Wind: 29,109.5

Calculated Forces

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Topography: 3

Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

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Load Case: 0.9D + 1.0Ev + 1.0Eh						Iterations 25
Gust Response Factor 1.10		Sds 0.21		Ss 0.20		
Dead Load Factor 0.90		Seismic Load Factor 1.00		Sd1 0.09		
Wind Load Factor 0.00		Structure Frequency (f1) 0.29		SA 0.03		
Seismic Importance Factor 1.00						



Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-34.09	-0.52	0.00	-72.51	0.00	72.51	3163.75	900.24	3862.85	3372.69	0.00	0.00	0.00	0.032
2.00	-33.68	-0.52	0.00	-71.47	0.00	71.47	3150.20	892.58	3797.40	3329.51	0.00	0.00	0.00	0.032
4.00	-33.28	-0.52	0.00	-70.44	0.00	70.44	3136.42	884.92	3732.51	3286.32	0.00	0.00	0.00	0.032
6.00	-32.88	-0.52	0.00	-69.40	0.00	69.40	3122.41	877.26	3668.18	3243.16	0.00	-0.01	-0.01	0.032
8.00	-32.49	-0.52	0.00	-68.36	0.00	68.36	3108.17	869.60	3604.41	3200.01	0.01	-0.01	-0.01	0.032
10.00	-32.09	-0.52	0.00	-67.32	0.00	67.32	3093.71	861.94	3541.20	3156.89	0.01	-0.01	-0.01	0.032
12.00	-31.70	-0.52	0.00	-66.28	0.00	66.28	3079.01	854.28	3478.55	3113.79	0.02	-0.01	-0.01	0.032
14.00	-31.32	-0.52	0.00	-65.23	0.00	65.23	3064.08	846.62	3416.45	3070.74	0.02	-0.02	-0.02	0.031
16.00	-30.93	-0.53	0.00	-64.18	0.00	64.18	3048.92	838.96	3354.92	3027.73	0.03	-0.02	-0.02	0.031
18.00	-30.55	-0.53	0.00	-63.13	0.00	63.13	3033.54	831.30	3293.94	2984.78	0.04	-0.02	-0.02	0.031
20.00	-30.17	-0.53	0.00	-62.07	0.00	62.07	3017.92	823.65	3233.53	2941.88	0.05	-0.02	-0.02	0.031
22.00	-29.79	-0.53	0.00	-61.02	0.00	61.02	3002.08	815.99	3173.67	2899.04	0.06	-0.03	-0.03	0.031
24.00	-29.42	-0.53	0.00	-59.96	0.00	59.96	2986.01	808.33	3114.37	2856.27	0.07	-0.03	-0.03	0.031
26.00	-29.05	-0.53	0.00	-58.89	0.00	58.89	2969.70	800.67	3055.63	2813.58	0.09	-0.03	-0.03	0.031
28.00	-28.68	-0.53	0.00	-57.83	0.00	57.83	2953.17	793.01	2997.46	2770.98	0.10	-0.04	-0.04	0.031
30.00	-28.31	-0.53	0.00	-56.76	0.00	56.76	2936.41	785.35	2939.84	2728.46	0.12	-0.04	-0.04	0.030
32.00	-27.95	-0.54	0.00	-55.70	0.00	55.70	2919.42	777.69	2882.77	2686.03	0.13	-0.04	-0.04	0.030
34.00	-27.59	-0.54	0.00	-54.63	0.00	54.63	2902.20	770.03	2826.27	2643.71	0.15	-0.04	-0.04	0.030
36.00	-27.23	-0.54	0.00	-53.55	0.00	53.55	2884.75	762.37	2770.33	2601.49	0.17	-0.05	-0.05	0.030
38.00	-26.88	-0.54	0.00	-52.48	0.00	52.48	2867.07	754.71	2714.95	2559.39	0.19	-0.05	-0.05	0.030
40.00	-26.53	-0.54	0.00	-51.40	0.00	51.40	2849.16	747.06	2660.12	2517.41	0.21	-0.05	-0.05	0.030
42.00	-26.18	-0.54	0.00	-50.32	0.00	50.32	2831.02	739.40	2605.86	2475.55	0.24	-0.06	-0.06	0.030
44.00	-25.83	-0.54	0.00	-49.25	0.00	49.25	2812.65	731.74	2552.15	2433.83	0.26	-0.06	-0.06	0.029
46.00	-25.49	-0.54	0.00	-48.16	0.00	48.16	2794.05	724.08	2499.01	2392.24	0.28	-0.06	-0.06	0.029
48.00	-25.15	-0.54	0.00	-47.08	0.00	47.08	2775.23	716.42	2446.42	2350.80	0.31	-0.06	-0.06	0.029
50.00	-24.55	-0.54	0.00	-46.00	0.00	46.00	2756.17	708.76	2394.39	2309.51	0.34	-0.07	-0.07	0.029
52.00	-23.95	-0.54	0.00	-44.91	0.00	44.91	2736.89	701.10	2342.92	2268.38	0.37	-0.07	-0.07	0.029
53.25	-23.58	-0.54	0.00	-44.23	0.00	44.23	2752.25	707.19	2383.82	2301.09	0.39	-0.07	-0.07	0.028
54.00	-23.46	-0.54	0.00	-43.83	0.00	43.83	2745.02	704.32	2364.50	2285.66	0.40	-0.07	-0.07	0.028
56.00	-23.12	-0.54	0.00	-42.74	0.00	42.74	2725.61	696.66	2313.35	2244.62	0.43	-0.08	-0.08	0.028
58.00	-22.79	-0.54	0.00	-41.65	0.00	41.65	2705.96	689.00	2262.76	2203.75	0.46	-0.08	-0.08	0.027
60.00	-22.47	-0.54	0.00	-40.57	0.00	40.57	2686.08	681.34	2212.74	2163.06	0.50	-0.08	-0.08	0.027
62.00	-22.14	-0.55	0.00	-39.48	0.00	39.48	2665.98	673.69	2163.27	2122.54	0.53	-0.09	-0.09	0.027
64.00	-21.82	-0.55	0.00	-38.39	0.00	38.39	2645.64	666.03	2114.36	2082.21	0.57	-0.09	-0.09	0.027
66.00	-21.50	-0.55	0.00	-37.30	0.00	37.30	2625.07	658.37	2066.01	2042.08	0.60	-0.09	-0.09	0.026
68.00	-21.18	-0.55	0.00	-36.20	0.00	36.20	2604.28	650.71	2018.23	2002.14	0.64	-0.09	-0.09	0.026
70.00	-20.87	-0.55	0.00	-35.11	0.00	35.11	2583.26	643.05	1971.00	1962.41	0.68	-0.10	-0.10	0.026
72.00	-20.56	-0.55	0.00	-34.02	0.00	34.02	2562.00	635.39	1924.32	1922.89	0.73	-0.10	-0.10	0.026
74.00	-20.25	-0.55	0.00	-32.93	0.00	32.93	2540.52	627.73	1878.21	1883.58	0.77	-0.10	-0.10	0.025
76.00	-19.95	-0.55	0.00	-31.83	0.00	31.83	2518.81	620.07	1832.66	1844.50	0.81	-0.11	-0.11	0.025
78.00	-19.64	-0.55	0.00	-30.74	0.00	30.74	2496.87	612.41	1787.67	1805.66	0.86	-0.11	-0.11	0.025
80.00	-19.34	-0.55	0.00	-29.64	0.00	29.64	2474.70	604.76	1743.23	1767.05	0.91	-0.11	-0.11	0.025
82.00	-19.05	-0.55	0.00	-28.55	0.00	28.55	2452.30	597.10	1699.36	1728.68	0.95	-0.12	-0.12	0.024
84.00	-18.75	-0.55	0.00	-27.45	0.00	27.45	2429.67	589.44	1656.04	1690.56	1.00	-0.12	-0.12	0.024
86.00	-18.46	-0.55	0.00	-26.36	0.00	26.36	2406.81	581.78	1613.28	1652.69	1.05	-0.12	-0.12	0.024
87.00	-16.10	-0.52	0.00	-25.81	0.00	25.81	2395.29	577.95	1592.12	1633.86	1.08	-0.12	-0.12	0.023
88.00	-15.95	-0.52	0.00	-25.29	0.00	25.29	2383.72	574.12	1571.09	1615.09	1.11	-0.13	-0.13	0.022

Calculated Forces

Structure: CT13058-A-SBA

Code: TIA-222-H

1/30/2024

Site Name: Southbury

Exposure: B



Height: 149.00 (ft)

Crest Height: 165.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 3

Struct Class: II

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Tower Engineering Solutions

90.00	-15.67	-0.52	0.00	-24.26	0.00	24.26	2360.40	566.46	1529.45	1577.76	1.16	-0.13	0.022
92.00	-15.39	-0.52	0.00	-23.23	0.00	23.23	2336.86	558.80	1488.37	1540.70	1.21	-0.13	0.022
94.00	-15.11	-0.52	0.00	-22.20	0.00	22.20	2313.08	551.14	1447.85	1503.92	1.27	-0.14	0.021
96.00	-14.84	-0.52	0.00	-21.17	0.00	21.17	2289.08	543.48	1407.89	1467.43	1.33	-0.14	0.021
97.50	-14.63	-0.51	0.00	-20.40	0.00	20.40	2270.92	537.74	1378.29	1440.25	1.37	-0.14	0.021
98.00	-14.53	-0.52	0.00	-20.14	0.00	20.14	2264.84	535.82	1368.49	1431.23	1.39	-0.14	0.020
100.00	-14.15	-0.51	0.00	-19.11	0.00	19.11	2235.90	528.17	1329.64	1392.54	1.45	-0.14	0.020
101.50	-13.86	-0.51	0.00	-18.34	0.00	18.34	1129.30	318.67	806.75	710.20	1.49	-0.15	0.038
102.00	-13.81	-0.51	0.00	-18.08	0.00	18.08	1127.21	317.53	800.95	706.31	1.51	-0.15	0.038
104.00	-13.62	-0.51	0.00	-17.05	0.00	17.05	1118.71	312.93	777.93	690.78	1.57	-0.15	0.037
106.00	-13.43	-0.51	0.00	-16.03	0.00	16.03	1109.97	308.33	755.25	675.26	1.64	-0.16	0.036
108.00	-13.25	-0.51	0.00	-15.00	0.00	15.00	1101.01	303.74	732.91	659.76	1.70	-0.16	0.035
110.00	-13.06	-0.51	0.00	-13.97	0.00	13.97	1091.82	299.14	710.90	644.29	1.77	-0.17	0.034
112.00	-12.88	-0.52	0.00	-12.94	0.00	12.94	1082.40	294.55	689.22	628.86	1.84	-0.17	0.032
114.00	-12.69	-0.52	0.00	-11.91	0.00	11.91	1072.75	289.95	667.88	613.46	1.92	-0.17	0.031
116.00	-12.51	-0.52	0.00	-10.88	0.00	10.88	1062.87	285.36	646.88	598.11	1.99	-0.18	0.030
118.00	-12.34	-0.52	0.00	-9.85	0.00	9.85	1052.76	280.76	626.22	582.82	2.06	-0.18	0.029
120.00	-12.16	-0.52	0.00	-8.82	0.00	8.82	1042.42	276.17	605.88	567.58	2.14	-0.19	0.027
122.00	-11.98	-0.52	0.00	-7.79	0.00	7.79	1031.85	271.57	585.89	552.42	2.22	-0.19	0.026
124.00	-11.81	-0.52	0.00	-6.76	0.00	6.76	1021.06	266.98	566.23	537.32	2.30	-0.19	0.024
126.00	-11.64	-0.51	0.00	-5.73	0.00	5.73	1010.03	262.38	546.90	522.30	2.38	-0.20	0.022
127.50	-8.59	-0.41	0.00	-4.95	0.00	4.95	1001.61	258.93	532.63	511.09	2.44	-0.20	0.018
128.00	-8.56	-0.41	0.00	-4.75	0.00	4.75	998.77	257.79	527.91	507.37	2.47	-0.20	0.018
130.00	-8.42	-0.41	0.00	-3.94	0.00	3.94	987.29	253.19	509.26	492.52	2.55	-0.20	0.017
132.00	-8.29	-0.41	0.00	-3.12	0.00	3.12	975.57	248.59	490.94	477.78	2.63	-0.20	0.015
134.00	-8.16	-0.41	0.00	-2.31	0.00	2.31	963.63	244.00	472.96	463.14	2.72	-0.20	0.013
136.00	-8.04	-0.41	0.00	-1.49	0.00	1.49	951.45	239.40	455.31	448.61	2.80	-0.20	0.012
137.00	-3.25	-0.11	0.00	-1.09	0.00	1.09	945.28	237.11	446.61	441.38	2.85	-0.21	0.006
138.00	-3.19	-0.11	0.00	-0.98	0.00	0.98	939.05	234.81	438.00	434.19	2.89	-0.21	0.006
140.00	-3.07	-0.11	0.00	-0.76	0.00	0.76	926.42	230.21	421.02	419.90	2.98	-0.21	0.005
142.00	-2.95	-0.11	0.00	-0.54	0.00	0.54	913.56	225.62	404.38	405.73	3.06	-0.21	0.005
144.00	-2.84	-0.11	0.00	-0.32	0.00	0.32	900.47	221.02	388.08	391.70	3.15	-0.21	0.004
146.00	-2.72	-0.11	0.00	-0.11	0.00	0.11	887.14	216.43	372.11	377.81	3.24	-0.21	0.003
147.00	-0.08	0.00	0.00	0.00	0.00	0.00	880.40	214.13	364.25	370.92	3.28	-0.21	0.000
148.00	-0.04	0.00	0.00	0.00	0.00	0.00	873.59	211.83	356.47	364.07	3.32	-0.21	0.000
149.00	0.00	0.00	0.00	0.00	0.00	0.00	866.73	209.53	348.78	357.26	3.37	-0.21	0.000

Wind Loading - Shaft

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Topography: 3

Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

1/30/2024

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Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00
Wind Load Factor 1.00



Iterations 28

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.27	0.70	6.781	7.46	245.77	0.630	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.27	0.70	6.771	7.45	243.52	0.630	0.000	2.00	8.768	5.52	41.1	0.0	347.6
4.00		1.27	0.70	6.761	7.44	241.27	0.630	0.000	2.00	8.694	5.48	40.7	0.0	344.6
6.00		1.27	0.70	6.751	7.43	239.02	0.630	0.000	2.00	8.619	5.43	40.3	0.0	341.7
8.00		1.26	0.70	6.742	7.42	236.78	0.630	0.000	2.00	8.545	5.38	39.9	0.0	338.7
10.00		1.26	0.70	6.732	7.41	234.54	0.630	0.000	2.00	8.470	5.34	39.5	0.0	335.7
12.00		1.26	0.70	6.723	7.40	232.30	0.630	0.000	2.00	8.396	5.29	39.1	0.0	332.8
14.00		1.26	0.70	6.713	7.38	230.07	0.630	0.000	2.00	8.321	5.24	38.7	0.0	329.8
16.00		1.26	0.70	6.704	7.37	227.84	0.630	0.000	2.00	8.247	5.20	38.3	0.0	326.8
18.00		1.26	0.70	6.695	7.36	225.62	0.630	0.000	2.00	8.172	5.15	37.9	0.0	323.8
20.00		1.25	0.70	6.685	7.35	223.40	0.630	0.000	2.00	8.098	5.10	37.5	0.0	320.9
22.00		1.25	0.70	6.676	7.34	221.19	0.630	0.000	2.00	8.024	5.05	37.1	0.0	317.9
24.00		1.25	0.70	6.667	7.33	218.97	0.630	0.000	2.00	7.949	5.01	36.7	0.0	314.9
26.00		1.25	0.70	6.658	7.32	216.77	0.630	0.000	2.00	7.875	4.96	36.3	0.0	312.0
28.00		1.25	0.70	6.649	7.31	214.56	0.630	0.000	2.00	7.800	4.91	35.9	0.0	309.0
30.00		1.24	0.70	6.646	7.31	212.45	0.630	0.000	2.00	7.726	4.87	35.6	0.0	306.0
32.00		1.24	0.71	6.761	7.44	212.20	0.630	0.000	2.00	7.651	4.82	35.8	0.0	303.1
34.00		1.24	0.73	6.870	7.56	211.81	0.630	0.000	2.00	7.577	4.77	36.1	0.0	300.1
36.00		1.24	0.74	6.974	7.67	211.30	0.630	0.000	2.00	7.502	4.73	36.3	0.0	297.1
38.00		1.24	0.75	7.073	7.78	210.68	0.630	0.000	2.00	7.428	4.68	36.4	0.0	294.1
40.00		1.24	0.76	7.168	7.88	209.95	0.630	0.000	2.00	7.353	4.63	36.5	0.0	291.2
42.00		1.24	0.77	7.259	7.99	209.13	0.630	0.000	2.00	7.279	4.59	36.6	0.0	288.2
44.00		1.23	0.78	7.347	8.08	208.23	0.630	0.000	2.00	7.204	4.54	36.7	0.0	285.2
46.00		1.23	0.79	7.431	8.17	207.25	0.630	0.000	2.00	7.130	4.49	36.7	0.0	282.3
48.00 Bot - Section 2		1.23	0.80	7.513	8.26	206.19	0.630	0.000	2.00	7.056	4.44	36.7	0.0	279.3
50.00		1.23	0.81	7.591	8.35	205.06	0.630	0.000	2.00	7.087	4.46	37.3	0.0	556.9
52.00		1.23	0.82	7.667	8.43	203.88	0.630	0.000	2.00	7.012	4.42	37.3	0.0	550.9
53.25 Top - Section 1		1.23	0.83	7.713	8.48	203.11	0.630	0.000	1.25	4.345	2.74	23.2	0.0	341.3
54.00		1.23	0.83	7.740	8.51	205.79	0.630	0.000	0.75	2.593	1.63	13.9	0.0	102.6
56.00		1.22	0.84	7.812	8.59	204.50	0.630	0.000	2.00	6.863	4.32	37.2	0.0	271.6
58.00		1.22	0.85	7.881	8.67	203.16	0.630	0.000	2.00	6.789	4.28	37.1	0.0	268.7
60.00		1.22	0.85	7.947	8.74	201.77	0.630	0.000	2.00	6.715	4.23	37.0	0.0	265.7
62.00		1.22	0.86	8.012	8.81	200.33	0.630	0.000	2.00	6.640	4.18	36.9	0.0	262.7
64.00		1.22	0.87	8.076	8.88	198.85	0.630	0.000	2.00	6.566	4.14	36.7	0.0	259.8
66.00		1.22	0.88	8.137	8.95	197.33	0.630	0.000	2.00	6.491	4.09	36.6	0.0	256.8
68.00		1.22	0.89	8.197	9.02	195.77	0.630	0.000	2.00	6.417	4.04	36.5	0.0	253.8
70.00		1.21	0.89	8.255	9.08	194.17	0.630	0.000	2.00	6.342	4.00	36.3	0.0	250.8
72.00		1.21	0.90	8.312	9.14	192.54	0.630	0.000	2.00	6.268	3.95	36.1	0.0	247.9
74.00		1.21	0.91	8.368	9.20	190.87	0.630	0.000	2.00	6.193	3.90	35.9	0.0	244.9
76.00		1.21	0.91	8.422	9.26	189.17	0.630	0.000	2.00	6.119	3.85	35.7	0.0	241.9
78.00		1.21	0.92	8.475	9.32	187.44	0.630	0.000	2.00	6.044	3.81	35.5	0.0	239.0
80.00		1.21	0.93	8.526	9.38	185.68	0.630	0.000	2.00	5.970	3.76	35.3	0.0	236.0
82.00		1.21	0.93	8.577	9.43	183.89	0.630	0.000	2.00	5.895	3.71	35.0	0.0	233.0
84.00		1.20	0.94	8.626	9.49	182.08	0.630	0.000	2.00	5.821	3.67	34.8	0.0	230.1
86.00		1.20	0.95	8.674	9.54	180.23	0.630	0.000	2.00	5.746	3.62	34.5	0.0	227.1
87.00 Appurtenance(s)		1.20	0.95	8.698	9.57	179.30	0.630	0.000	1.00	2.845	1.79	17.2	0.0	112.4
88.00		1.20	0.95	8.722	9.59	178.37	0.630	0.000	1.00	2.827	1.78	17.1	0.0	111.7

Wind Loading - Shaft

Structure: CT13058-A-SBA

Code: TIA-222-H

1/30/2024

Site Name: Southbury

Exposure: B



Height: 149.00 (ft)

Crest Height: 165.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 3

Struct Class: II

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Tower Engineering Solutions

90.00	1.20	0.96	8.768	9.64	176.48	0.630	0.000	2.00	5.598	3.53	34.0	0.0	221.1	
92.00	1.20	0.96	8.813	9.69	174.56	0.630	0.000	2.00	5.523	3.48	33.7	0.0	218.2	
94.00	1.20	0.97	8.858	9.74	172.63	0.630	0.000	2.00	5.449	3.43	33.4	0.0	215.2	
96.00	1.20	0.98	8.901	9.79	170.67	0.630	0.000	2.00	5.374	3.39	33.2	0.0	212.2	
97.50 Bot - Section 3	1.19	0.98	8.934	9.83	169.19	0.630	0.000	1.50	3.982	2.51	24.7	0.0	157.2	
98.00	1.19	0.98	8.944	9.84	168.69	0.630	0.000	0.50	1.334	0.84	8.3	0.0	83.8	
100.00	1.19	0.99	8.986	9.88	166.70	0.630	0.000	2.00	5.289	3.33	32.9	0.0	332.1	
101.50 Top - Section 2	1.19	0.99	9.017	9.92	165.19	0.630	0.000	1.50	3.918	2.47	24.5	0.0	246.0	
102.00	1.19	0.99	9.027	9.93	166.72	0.630	0.000	0.50	1.297	0.82	8.1	0.0	30.8	
104.00	1.19	1.00	9.068	9.97	164.69	0.630	0.000	2.00	5.140	3.24	32.3	0.0	122.2	
106.00	1.19	1.00	9.107	10.02	162.64	0.630	0.000	2.00	5.065	3.19	32.0	0.0	120.5	
108.00	1.19	1.01	9.146	10.06	160.58	0.630	0.000	2.00	4.991	3.14	31.6	0.0	118.7	
110.00	1.19	1.02	9.185	10.10	158.50	0.630	0.000	2.00	4.916	3.10	31.3	0.0	116.9	
112.00	1.19	1.02	9.222	10.14	156.40	0.630	0.000	2.00	4.842	3.05	30.9	0.0	115.1	
114.00	1.18	1.03	9.260	10.19	154.28	0.630	0.000	2.00	4.767	3.00	30.6	0.0	113.3	
116.00	1.18	1.03	9.296	10.23	152.15	0.630	0.000	2.00	4.693	2.96	30.2	0.0	111.5	
118.00	1.18	1.04	9.332	10.26	150.01	0.630	0.000	2.00	4.618	2.91	29.9	0.0	109.8	
120.00	1.18	1.04	9.367	10.30	147.85	0.630	0.000	2.00	4.544	2.86	29.5	0.0	108.0	
122.00	1.18	1.05	9.402	10.34	145.67	0.630	0.000	2.00	4.470	2.82	29.1	0.0	106.2	
124.00	1.18	1.05	9.436	10.38	143.49	0.630	0.000	2.00	4.395	2.77	28.7	0.0	104.4	
126.00	1.18	1.06	9.470	10.42	141.29	0.630	0.000	2.00	4.321	2.72	28.4	0.0	102.6	
127.50 Appurtenance(s)	1.18	1.06	9.495	10.44	139.63	0.630	0.000	1.50	3.192	2.01	21.0	0.0	75.8	
128.00	1.18	1.06	9.503	10.45	139.07	0.630	0.000	0.50	1.055	0.66	6.9	0.0	25.0	
130.00	1.17	1.07	9.535	10.49	136.85	0.630	0.000	2.00	4.172	2.63	27.6	0.0	99.1	
132.00	1.17	1.07	9.568	10.52	134.61	0.630	0.000	2.00	4.097	2.58	27.2	0.0	97.3	
134.00	1.17	1.07	9.599	10.56	132.36	0.630	0.000	2.00	4.023	2.53	26.8	0.0	95.5	
136.00	1.17	1.08	9.631	10.59	130.10	0.630	0.000	2.00	3.948	2.49	26.4	0.0	93.7	
137.00 Appurtenance(s)	1.17	1.08	9.646	10.61	128.96	0.630	0.000	1.00	1.946	1.23	13.0	0.0	46.2	
138.00	1.17	1.08	9.661	10.63	127.82	0.630	0.000	1.00	1.928	1.21	12.9	0.0	45.7	
140.00	1.17	1.09	9.692	10.66	125.54	0.630	0.000	2.00	3.799	2.39	25.5	0.0	90.2	
142.00	1.17	1.09	9.722	10.69	123.24	0.630	0.000	2.00	3.725	2.35	25.1	0.0	88.4	
144.00	1.17	1.10	9.751	10.73	120.94	0.630	0.000	2.00	3.650	2.30	24.7	0.0	86.6	
146.00	1.17	1.10	9.780	10.76	118.62	0.630	0.000	2.00	3.576	2.25	24.2	0.0	84.8	
147.00 Appurtenance(s)	1.17	1.10	9.795	10.77	117.46	0.630	0.000	1.00	1.760	1.11	11.9	0.0	41.7	
148.00	1.16	1.11	9.809	10.79	116.30	0.630	0.000	1.00	1.741	1.10	11.8	0.0	41.3	
149.00	1.16	1.11	9.824	10.81	115.13	0.630	0.000	1.00	1.723	1.09	11.7	0.0	40.8	
Totals:								149.00	2,519.8			17,406.7		

Discrete Appurtenance Forces

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Topography: 3

Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

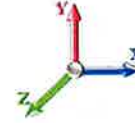
1/30/2024

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Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00
Wind Load Factor 1.00



Iterations 28

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	147.00	Kathrein 80010965	3	9.795	10.774	0.53	0.75	22.06	325.80	0.000	0.000	237.70	0.00	0.00
2	147.00	Powerwave 7770.00	3	9.795	10.774	0.55	0.75	9.03	105.00	0.000	0.000	97.33	0.00	0.00
3	147.00	Powerwave LGP21401	6	9.795	10.774	0.38	0.75	2.90	84.60	0.000	0.000	31.27	0.00	0.00
4	147.00	Powerwave LGP13519	6	9.795	10.774	0.50	0.75	1.03	31.80	0.000	0.000	11.04	0.00	0.00
5	147.00	Platform w/ Hand Rail	1	9.795	10.774	1.00	1.00	32.00	1600.00	0.000	0.000	344.78	0.00	0.00
6	147.00	CCI HPA65R-BU6A	3	9.795	10.774	0.64	0.75	15.14	125.70	0.000	0.000	163.09	0.00	0.00
7	147.00	4449 B5/B12	3	9.795	10.774	0.50	0.75	2.97	213.00	0.000	0.000	32.00	0.00	0.00
8	147.00	DC6-48-60-18-8F	1	9.795	10.774	0.75	0.75	0.69	31.80	0.000	0.000	7.43	0.00	0.00
9	147.00	DC6-48-60-18-8C	1	9.795	10.774	0.75	0.75	0.95	20.00	0.000	0.000	10.18	0.00	0.00
10	147.00	B2 B66A 8843	3	9.795	10.774	0.50	0.75	2.47	210.00	0.000	0.000	26.64	0.00	0.00
11	137.00	JMA Wireless	4	9.646	10.611	0.61	0.75	41.80	392.00	0.000	0.000	443.48	0.00	0.00
12	137.00	JMA Wireless	4	9.646	10.611	0.71	0.75	33.09	204.00	0.000	0.000	351.09	0.00	0.00
13	137.00	Samsung MT6413 77A	3	9.646	10.611	0.52	0.75	5.91	171.96	0.000	0.000	62.70	0.00	0.00
14	137.00	Raycap	1	9.646	10.611	0.75	0.75	3.04	32.00	0.000	0.000	32.31	0.00	0.00
15	137.00	Samsung B2/B66A RRH	4	9.646	10.611	0.38	0.75	2.81	298.80	0.000	0.000	29.76	0.00	0.00
16	137.00	Samsung B5/B13 RRH	4	9.646	10.611	0.38	0.75	2.81	316.40	0.000	0.000	29.76	0.00	0.00
17	137.00	Perfect Vision	1	9.646	10.611	1.00	1.00	64.00	3539.00	0.000	0.000	679.08	0.00	0.00
18	137.00	CBC78T-DS-43-2X	3	9.646	10.611	0.50	0.75	0.56	62.16	0.000	0.000	5.92	0.00	0.00
19	127.50	RFS ATMPP1412D-1CWA	3	9.495	10.444	0.38	0.75	1.32	37.50	0.000	0.000	13.75	0.00	0.00
20	127.50	RFS	3	9.495	10.444	0.46	0.75	9.01	122.10	0.000	0.000	94.12	0.00	0.00
21	127.50	AIR 6449 B41	3	9.495	10.444	0.52	0.75	10.28	399.60	0.000	0.000	107.41	0.00	0.00
22	127.50	APXVAARR24_43-U-NA2	3	9.495	10.444	0.52	0.75	31.88	384.00	0.000	0.000	332.93	0.00	0.00
23	127.50	RFS ATMAA1412D-1A20	3	9.495	10.444	0.38	0.75	1.32	39.00	0.000	0.000	13.75	0.00	0.00
24	127.50	4415 B66A	3	9.495	10.444	0.50	0.75	2.80	132.30	0.000	0.000	29.28	0.00	0.00
25	127.50	Remec S20057A1	3	9.495	10.444	0.38	0.75	0.92	33.00	0.000	0.000	9.63	0.00	0.00
26	127.50	Kathrein 782 11054	3	9.495	10.444	0.38	0.75	0.32	7.80	0.000	0.000	3.29	0.00	0.00
27	127.50	Platform w/ Hand Rail and	1	9.495	10.444	1.00	1.00	35.00	1600.00	0.000	0.000	365.54	0.00	0.00
28	127.50	4424 B25	3	9.495	10.444	0.50	0.75	3.30	135.00	0.000	0.000	34.48	0.00	0.00
29	127.50	4449	3	9.495	10.444	0.50	0.75	2.49	210.00	0.000	0.000	25.98	0.00	0.00
30	87.00	MC-PK8-DSH	1	8.698	9.568	1.00	1.00	35.59	1727.00	0.000	0.000	340.53	0.00	0.00
31	87.00	RDIDC-9181-OF-48	1	8.698	9.568	0.75	0.75	1.51	21.90	0.000	0.000	14.42	0.00	0.00
32	87.00	TA08025-B605	3	8.698	9.568	0.38	0.75	2.21	225.00	0.000	0.000	21.10	0.00	0.00
33	87.00	TA08025-B604	3	8.698	9.568	0.50	0.75	2.95	191.70	0.000	0.000	28.27	0.00	0.00
34	87.00	MX08FRO665-21	3	8.698	9.568	0.55	0.75	20.80	193.50	0.000	0.000	198.97	0.00	0.00
Totals:									13,223.42			4,229.04		

Total Applied Force Summary

Structure: CT13058-A-SBA	Code: TIA-222-H	1/30/2024
Site Name: Southbury	Exposure: B	
Height: 149.00 (ft)	Crest Height: 165.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 3	Struct Class: II



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00
Wind Load Factor 1.00



Iterations 28

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
2.00		43.24	429.71	0.00	0.00
4.00		42.83	426.74	0.00	0.00
6.00		42.42	423.77	0.00	0.00
8.00		42.01	420.80	0.00	0.00
10.00		41.61	417.83	0.00	0.00
12.00		41.20	414.86	0.00	0.00
14.00		40.80	411.89	0.00	0.00
16.00		40.39	408.92	0.00	0.00
18.00		39.99	405.95	0.00	0.00
20.00		39.59	402.98	0.00	0.00
22.00		39.19	400.01	0.00	0.00
24.00		38.80	397.04	0.00	0.00
26.00		38.40	394.07	0.00	0.00
28.00		38.01	391.10	0.00	0.00
30.00		37.64	388.13	0.00	0.00
32.00		37.94	385.16	0.00	0.00
34.00		38.20	382.19	0.00	0.00
36.00		38.42	379.22	0.00	0.00
38.00		38.60	376.25	0.00	0.00
40.00		38.75	373.28	0.00	0.00
42.00		38.87	370.31	0.00	0.00
44.00		38.96	367.34	0.00	0.00
46.00		39.02	364.37	0.00	0.00
48.00		39.06	361.40	0.00	0.00
50.00		39.64	638.98	0.00	0.00
52.00		39.64	633.04	0.00	0.00
53.25		24.72	392.63	0.00	0.00
54.00		14.81	133.42	0.00	0.00
56.00		39.58	353.74	0.00	0.00
58.00		39.52	350.77	0.00	0.00
60.00		39.45	347.80	0.00	0.00
62.00		39.36	344.83	0.00	0.00
64.00		39.25	341.86	0.00	0.00
66.00		39.13	338.89	0.00	0.00
68.00		38.99	335.92	0.00	0.00
70.00		38.84	332.95	0.00	0.00
72.00		38.68	329.98	0.00	0.00
74.00		38.51	327.01	0.00	0.00
76.00		38.32	324.04	0.00	0.00
78.00		38.13	321.07	0.00	0.00
80.00		37.92	318.10	0.00	0.00
82.00		37.70	315.13	0.00	0.00
84.00		37.47	312.16	0.00	0.00
86.00		37.23	309.19	0.00	0.00
87.00	(11) attachments	621.79	2512.58	0.00	0.00
88.00		17.08	151.60	0.00	0.00

Total Applied Force Summary

Structure: CT13058-A-SBA	Code: TIA-222-H	1/30/2024
Site Name: Southbury	Exposure: B	
Height: 149.00 (ft)	Crest Height: 165.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 3	Struct Class: II



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90.00	34.01	300.97	0.00	0.00
92.00	33.73	298.00	0.00	0.00
94.00	33.45	295.03	0.00	0.00
96.00	33.15	292.06	0.00	0.00
97.50	24.65	217.09	0.00	0.00
98.00	8.27	103.72	0.00	0.00
100.00	32.93	411.92	0.00	0.00
101.50	24.48	305.82	0.00	0.00
102.00	8.11	50.79	0.00	0.00
104.00	32.30	202.06	0.00	0.00
106.00	31.97	200.28	0.00	0.00
108.00	31.63	198.50	0.00	0.00
110.00	31.29	196.71	0.00	0.00
112.00	30.95	194.93	0.00	0.00
114.00	30.59	193.15	0.00	0.00
116.00	30.23	191.37	0.00	0.00
118.00	29.87	189.59	0.00	0.00
120.00	29.50	187.80	0.00	0.00
122.00	29.12	186.02	0.00	0.00
124.00	28.74	184.24	0.00	0.00
126.00	28.35	182.46	0.00	0.00
127.50	(31) attachments 1051.16	3235.97	0.00	0.00
128.00	6.94	35.58	0.00	0.00
130.00	27.57	141.21	0.00	0.00
132.00	27.17	139.43	0.00	0.00
134.00	26.76	137.65	0.00	0.00
136.00	26.35	135.87	0.00	0.00
137.00	(24) attachments 1647.12	5083.59	0.00	0.00
138.00	12.91	63.52	0.00	0.00
140.00	25.52	125.70	0.00	0.00
142.00	25.10	123.92	0.00	0.00
144.00	24.67	122.14	0.00	0.00
146.00	24.24	120.36	0.00	0.00
147.00	(30) attachments 973.42	2807.21	0.00	0.00
148.00	11.84	41.29	0.00	0.00
149.00	11.73	40.85	0.00	0.00
Totals:	6,849.54	36,195.74	0.00	0.00

Linear Appurtenance Segment Forces (Factored)

Structure: CT13058-A-SBA
Site Name: Southbury
Height: 149.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: B
Crest Height: 165.00
Site Class: D - Stiff Soil
Struct Class: II

1/30/2024

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Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00
Wind Load Factor 1.00



Iterations 28

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
2.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	6.771	2.10	2.28
4.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	6.761	2.10	2.28
6.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	6.751	2.09	2.28
8.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	6.742	2.09	2.28
10.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	6.732	2.09	2.28
12.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	6.723	2.09	2.28
14.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	6.713	2.08	2.28
16.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	6.704	2.08	2.28
18.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	6.695	2.08	2.28
20.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	6.685	2.07	2.28
22.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	6.676	2.07	2.28
24.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	6.667	2.07	2.28
26.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	6.658	2.07	2.28
28.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	6.649	2.06	2.28
30.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	6.646	2.06	2.28
32.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	6.761	2.10	2.28
34.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	6.870	2.13	2.28
36.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	6.974	2.16	2.28
38.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	7.073	2.19	2.28
40.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	7.168	2.22	2.28
42.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	7.259	2.25	2.28
44.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	7.347	2.28	2.28
46.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	7.431	2.31	2.28
48.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	7.513	2.33	2.28
50.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	7.591	2.35	2.28
52.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	7.667	2.38	2.28
53.25	1.411" Hybrid	Yes	1.25	1.200	1.41	0.15	0.18	0.000	0.000	7.713	1.50	1.42
54.00	1.411" Hybrid	Yes	0.75	1.200	1.41	0.09	0.11	0.000	0.000	7.740	0.90	0.85
56.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	7.812	2.42	2.28
58.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	7.881	2.44	2.28
60.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	7.947	2.47	2.28
62.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	8.012	2.49	2.28
64.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	8.076	2.51	2.28
66.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	8.137	2.52	2.28
68.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	8.197	2.54	2.28
70.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	8.255	2.56	2.28
72.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	8.312	2.58	2.28
74.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	8.368	2.60	2.28
76.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	8.422	2.61	2.28
78.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	8.475	2.63	2.28
80.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	8.526	2.64	2.28
82.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	8.577	2.66	2.28
84.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	8.626	2.68	2.28
86.00	1.411" Hybrid	Yes	2.00	1.200	1.41	0.23	0.28	0.000	0.000	8.674	2.69	2.28
87.00	1.411" Hybrid	Yes	1.00	1.200	1.41	0.12	0.14	0.000	0.000	8.698	1.35	1.14
Totals:											100.7	99.2

Calculated Forces

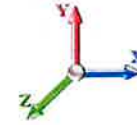
Structure: CT13058-A-SBA	Code: TIA-222-H	1/30/2024
Site Name: Southbury	Exposure: B	
Height: 149.00 (ft)	Crest Height: 165.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 3	Struct Class: II



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Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00
Wind Load Factor 1.00



Iterations 28

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-36.19	-6.86	0.00	-771.80	0.00	771.80	3163.75	900.24	3862.85	3372.69	0.00	0.000	0.000	0.240
2.00	-35.76	-6.83	0.00	-758.09	0.00	758.09	3150.20	892.58	3797.40	3329.51	0.01	-0.025	0.000	0.239
4.00	-35.33	-6.80	0.00	-744.43	0.00	744.43	3136.42	884.92	3732.51	3286.32	0.02	-0.050	0.000	0.238
6.00	-34.91	-6.77	0.00	-730.83	0.00	730.83	3122.41	877.26	3668.18	3243.16	0.05	-0.076	0.000	0.237
8.00	-34.48	-6.75	0.00	-717.28	0.00	717.28	3108.17	869.60	3604.41	3200.01	0.09	-0.102	0.000	0.235
10.00	-34.06	-6.72	0.00	-703.79	0.00	703.79	3093.71	861.94	3541.20	3156.89	0.13	-0.127	0.000	0.234
12.00	-33.64	-6.69	0.00	-690.35	0.00	690.35	3079.01	854.28	3478.55	3113.79	0.19	-0.154	0.000	0.233
14.00	-33.23	-6.67	0.00	-676.96	0.00	676.96	3064.08	846.62	3416.45	3070.74	0.26	-0.180	0.000	0.231
16.00	-32.82	-6.64	0.00	-663.63	0.00	663.63	3048.92	838.96	3354.92	3027.73	0.34	-0.206	0.000	0.230
18.00	-32.41	-6.61	0.00	-650.35	0.00	650.35	3033.54	831.30	3293.94	2984.78	0.44	-0.233	0.000	0.229
20.00	-32.00	-6.59	0.00	-637.13	0.00	637.13	3017.92	823.65	3233.53	2941.88	0.54	-0.260	0.000	0.227
22.00	-31.60	-6.56	0.00	-623.96	0.00	623.96	3002.08	815.99	3173.67	2899.04	0.65	-0.287	0.000	0.226
24.00	-31.20	-6.53	0.00	-610.83	0.00	610.83	2986.01	808.33	3114.37	2856.27	0.78	-0.314	0.000	0.224
26.00	-30.80	-6.51	0.00	-597.77	0.00	597.77	2969.70	800.67	3055.63	2813.58	0.92	-0.341	0.000	0.223
28.00	-30.41	-6.48	0.00	-584.75	0.00	584.75	2953.17	793.01	2997.46	2770.98	1.07	-0.369	0.000	0.221
30.00	-30.02	-6.46	0.00	-571.78	0.00	571.78	2936.41	785.35	2939.84	2728.46	1.23	-0.397	0.000	0.220
32.00	-29.63	-6.43	0.00	-558.87	0.00	558.87	2919.42	777.69	2882.77	2686.03	1.40	-0.425	0.000	0.218
34.00	-29.24	-6.40	0.00	-546.01	0.00	546.01	2902.20	770.03	2826.27	2643.71	1.58	-0.453	0.000	0.217
36.00	-28.86	-6.38	0.00	-533.20	0.00	533.20	2884.75	762.37	2770.33	2601.49	1.78	-0.481	0.000	0.215
38.00	-28.48	-6.35	0.00	-520.44	0.00	520.44	2867.07	754.71	2714.95	2559.39	1.99	-0.510	0.000	0.213
40.00	-28.11	-6.32	0.00	-507.75	0.00	507.75	2849.16	747.06	2660.12	2517.41	2.21	-0.538	0.000	0.212
42.00	-27.73	-6.29	0.00	-495.10	0.00	495.10	2831.02	739.40	2605.86	2475.55	2.44	-0.567	0.000	0.210
44.00	-27.36	-6.26	0.00	-482.52	0.00	482.52	2812.65	731.74	2552.15	2433.83	2.68	-0.596	0.000	0.208
46.00	-27.00	-6.24	0.00	-469.99	0.00	469.99	2794.05	724.08	2499.01	2392.24	2.94	-0.625	0.000	0.206
48.00	-26.63	-6.21	0.00	-457.52	0.00	457.52	2775.23	716.42	2446.42	2350.80	3.21	-0.654	0.000	0.204
50.00	-25.99	-6.17	0.00	-445.11	0.00	445.11	2756.17	708.76	2394.39	2309.51	3.49	-0.684	0.000	0.202
52.00	-25.36	-6.14	0.00	-432.77	0.00	432.77	2736.89	701.10	2342.92	2268.38	3.78	-0.713	0.000	0.200
53.25	-24.96	-6.11	0.00	-425.10	0.00	425.10	2752.25	707.19	2383.82	2301.09	3.97	-0.732	0.000	0.194
54.00	-24.83	-6.10	0.00	-420.51	0.00	420.51	2745.02	704.32	2364.50	2285.66	4.09	-0.743	0.000	0.193
56.00	-24.47	-6.07	0.00	-408.31	0.00	408.31	2725.61	696.66	2313.35	2244.62	4.40	-0.772	0.000	0.191
58.00	-24.12	-6.04	0.00	-396.16	0.00	396.16	2705.96	689.00	2262.76	2203.75	4.73	-0.800	0.000	0.189
60.00	-23.77	-6.01	0.00	-384.08	0.00	384.08	2686.08	681.34	2212.74	2163.06	5.07	-0.829	0.000	0.186
62.00	-23.42	-5.97	0.00	-372.07	0.00	372.07	2665.98	673.69	2163.27	2122.54	5.43	-0.857	0.000	0.184
64.00	-23.07	-5.94	0.00	-360.12	0.00	360.12	2645.64	666.03	2114.36	2082.21	5.79	-0.886	0.000	0.182
66.00	-22.73	-5.91	0.00	-348.24	0.00	348.24	2625.07	658.37	2066.01	2042.08	6.17	-0.915	0.000	0.179
68.00	-22.40	-5.88	0.00	-336.42	0.00	336.42	2604.28	650.71	2018.23	2002.14	6.56	-0.943	0.000	0.177
70.00	-22.06	-5.84	0.00	-324.67	0.00	324.67	2583.26	643.05	1971.00	1962.41	6.96	-0.972	0.000	0.174
72.00	-21.73	-5.81	0.00	-312.99	0.00	312.99	2562.00	635.39	1924.32	1922.89	7.37	-1.001	0.000	0.171
74.00	-21.40	-5.77	0.00	-301.37	0.00	301.37	2540.52	627.73	1878.21	1883.58	7.80	-1.029	0.000	0.169
76.00	-21.07	-5.74	0.00	-289.82	0.00	289.82	2518.81	620.07	1832.66	1844.50	8.24	-1.058	0.000	0.166
78.00	-20.75	-5.71	0.00	-278.34	0.00	278.34	2496.87	612.41	1787.67	1805.66	8.69	-1.087	0.000	0.163
80.00	-20.43	-5.67	0.00	-266.92	0.00	266.92	2474.70	604.76	1743.23	1767.05	9.15	-1.115	0.000	0.159
82.00	-20.11	-5.64	0.00	-255.58	0.00	255.58	2452.30	597.10	1699.36	1728.68	9.62	-1.143	0.000	0.156
84.00	-19.80	-5.61	0.00	-244.30	0.00	244.30	2429.67	589.44	1656.04	1690.56	10.11	-1.171	0.000	0.153
86.00	-19.49	-5.57	0.00	-233.09	0.00	233.09	2406.81	581.78	1613.28	1652.69	10.60	-1.199	0.000	0.149
87.00	-16.99	-4.90	0.00	-227.52	0.00	227.52	2395.29	577.95	1592.12	1633.86	10.86	-1.213	0.000	0.146
88.00	-16.83	-4.88	0.00	-222.62	0.00	222.62	2383.72	574.12	1571.09	1615.09	11.11	-1.227	0.000	0.145
90.00	-16.53	-4.85	0.00	-212.85	0.00	212.85	2360.40	566.46	1529.45	1577.76	11.63	-1.255	0.000	0.142

Calculated Forces

Structure: CT13058-A-SBA	Code: TIA-222-H	1/30/2024
Site Name: Southbury	Exposure: B	
Height: 149.00 (ft)	Crest Height: 165.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 3	Struct Class: II
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92.00	-16.23	-4.82	0.00	-203.15	0.00	203.15	2336.86	558.80	1488.37	1540.70	12.16	-1.282	0.000	0.139
94.00	-15.94	-4.79	0.00	-193.51	0.00	193.51	2313.08	551.14	1447.85	1503.92	12.71	-1.310	0.000	0.136
96.00	-15.64	-4.75	0.00	-183.94	0.00	183.94	2289.08	543.48	1407.89	1467.43	13.26	-1.337	0.000	0.132
97.50	-15.43	-4.73	0.00	-176.81	0.00	176.81	2270.92	537.74	1378.29	1440.25	13.68	-1.357	0.000	0.130
98.00	-15.32	-4.72	0.00	-174.44	0.00	174.44	2264.84	535.82	1368.49	1431.23	13.83	-1.363	0.000	0.129
100.00	-14.91	-4.68	0.00	-165.00	0.00	165.00	2235.90	528.17	1329.64	1392.54	14.40	-1.390	0.000	0.125
101.50	-14.80	-4.66	0.00	-157.98	0.00	157.98	1129.30	318.67	806.75	710.20	14.84	-1.410	0.000	0.236
102.00	-14.55	-4.65	0.00	-155.65	0.00	155.65	1127.21	317.53	800.95	706.31	14.99	-1.416	0.000	0.233
104.00	-14.34	-4.63	0.00	-146.34	0.00	146.34	1118.71	312.93	777.93	690.78	15.59	-1.457	0.000	0.225
106.00	-14.14	-4.60	0.00	-137.09	0.00	137.09	1109.97	308.33	755.25	675.26	16.21	-1.497	0.000	0.216
108.00	-13.94	-4.57	0.00	-127.90	0.00	127.90	1101.01	303.74	732.91	659.76	16.85	-1.536	0.000	0.207
110.00	-13.74	-4.54	0.00	-118.76	0.00	118.76	1091.82	299.14	710.90	644.29	17.50	-1.574	0.000	0.197
112.00	-13.55	-4.51	0.00	-109.67	0.00	109.67	1082.40	294.55	689.22	628.86	18.17	-1.610	0.000	0.187
114.00	-13.35	-4.49	0.00	-100.64	0.00	100.64	1072.75	289.95	667.88	613.46	18.85	-1.646	0.000	0.177
116.00	-13.16	-4.46	0.00	-91.67	0.00	91.67	1062.87	285.36	646.88	598.11	19.55	-1.680	0.000	0.166
118.00	-12.97	-4.43	0.00	-82.75	0.00	82.75	1052.76	280.76	626.22	582.82	20.26	-1.712	0.000	0.155
120.00	-12.78	-4.40	0.00	-73.89	0.00	73.89	1042.42	276.17	605.88	567.58	20.98	-1.743	0.000	0.143
122.00	-12.59	-4.37	0.00	-65.09	0.00	65.09	1031.85	271.57	585.89	552.42	21.72	-1.771	0.000	0.130
124.00	-12.41	-4.34	0.00	-56.34	0.00	56.34	1021.06	266.98	566.23	537.32	22.47	-1.797	0.000	0.117
126.00	-12.22	-4.31	0.00	-47.66	0.00	47.66	1010.03	262.38	546.90	522.30	23.22	-1.821	0.000	0.104
127.50	-9.02	-3.16	0.00	-41.18	0.00	41.18	1001.61	258.93	532.63	511.09	23.80	-1.837	0.000	0.090
128.00	-8.99	-3.16	0.00	-39.60	0.00	39.60	998.77	257.79	527.91	507.37	23.99	-1.842	0.000	0.087
130.00	-8.84	-3.13	0.00	-33.29	0.00	33.29	987.29	253.19	509.26	492.52	24.77	-1.860	0.000	0.077
132.00	-8.70	-3.10	0.00	-27.04	0.00	27.04	975.57	248.59	490.94	477.78	25.55	-1.876	0.000	0.066
134.00	-8.57	-3.07	0.00	-20.85	0.00	20.85	963.63	244.00	472.96	463.14	26.34	-1.890	0.000	0.054
136.00	-8.43	-3.04	0.00	-14.71	0.00	14.71	951.45	239.40	455.31	448.61	27.13	-1.900	0.000	0.042
137.00	-3.41	-1.22	0.00	-11.67	0.00	11.67	945.28	237.11	446.61	441.38	27.53	-1.904	0.000	0.030
138.00	-3.34	-1.21	0.00	-10.45	0.00	10.45	939.05	234.81	438.00	434.19	27.93	-1.908	0.000	0.028
140.00	-3.22	-1.18	0.00	-8.03	0.00	8.03	926.42	230.21	421.02	419.90	28.73	-1.914	0.000	0.023
142.00	-3.10	-1.15	0.00	-5.68	0.00	5.68	913.56	225.62	404.38	405.73	29.53	-1.919	0.000	0.017
144.00	-2.97	-1.12	0.00	-3.38	0.00	3.38	900.47	221.02	388.08	391.70	30.34	-1.922	0.000	0.012
146.00	-2.85	-1.09	0.00	-1.13	0.00	1.13	887.14	216.43	372.11	377.81	31.14	-1.924	0.000	0.006
147.00	-0.08	-0.03	0.00	-0.04	0.00	0.04	880.40	214.13	364.25	370.92	31.55	-1.924	0.000	0.000
148.00	-0.04	-0.01	0.00	-0.01	0.00	0.01	873.59	211.83	356.47	364.07	31.95	-1.924	0.000	0.000
149.00	0.00	-0.01	0.00	0.00	0.00	0.00	866.73	209.53	348.78	357.26	32.35	-1.924	0.000	0.000

Final Analysis Summary

Structure: CT13058-A-SBA	Code: TIA-222-H	1/30/2024
Site Name: Southbury	Exposure: B	
Height: 149.00 (ft)	Crest Height: 165.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Struct Class: II	Page: 50
Topography: 3		



Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.0W 117 mph Wind	29.2	0.00	43.41	0.00	0.00	3309.43
0.9D + 1.0W 117 mph Wind	29.1	0.00	32.55	0.00	0.00	3252.85
1.2D + 1.0Di + 1.0Wi 50 mph Wind	8.5	0.00	62.45	0.00	0.00	948.87
1.2D + 1.0Ev + 1.0Eh	0.5	0.00	45.02	0.00	0.00	73.75
0.9D + 1.0Ev + 1.0Eh	0.5	0.00	34.09	0.00	0.00	72.51
1.0D + 1.0W 60 mph Wind	6.9	0.00	36.19	0.00	0.00	771.80

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.0W 117 mph Wind	-43.41	-29.15	0.00	-3309.4	0.00	-3309.4	3163.75	900.24	3862.85	3372.69	0.00	0.996
0.9D + 1.0W 117 mph Wind	-32.55	-29.14	0.00	-3252.8	0.00	-3252.8	3163.75	900.24	3862.85	3372.69	0.00	0.976
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-62.45	-8.54	0.00	-948.87	0.00	-948.87	3163.75	900.24	3862.85	3372.69	0.00	0.301
1.2D + 1.0Ev + 1.0Eh	-18.29	-0.52	0.00	-18.74	0.00	-18.74	1129.30	318.67	806.75	710.20	101.50	0.043
0.9D + 1.0Ev + 1.0Eh	-13.86	-0.51	0.00	-18.34	0.00	-18.34	1129.30	318.67	806.75	710.20	101.50	0.038
1.0D + 1.0W 60 mph Wind	-36.19	-6.86	0.00	-771.80	0.00	-771.80	3163.75	900.24	3862.85	3372.69	0.00	0.240


Base Plate Summary

Structure: CT13058-A-SB	Code: TIA-222-H	1/30/2024
Site Name: Southbury	Exposure: B	
Height: 149.00 (ft)	Crest Height: 165.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 3	Struct Class: II



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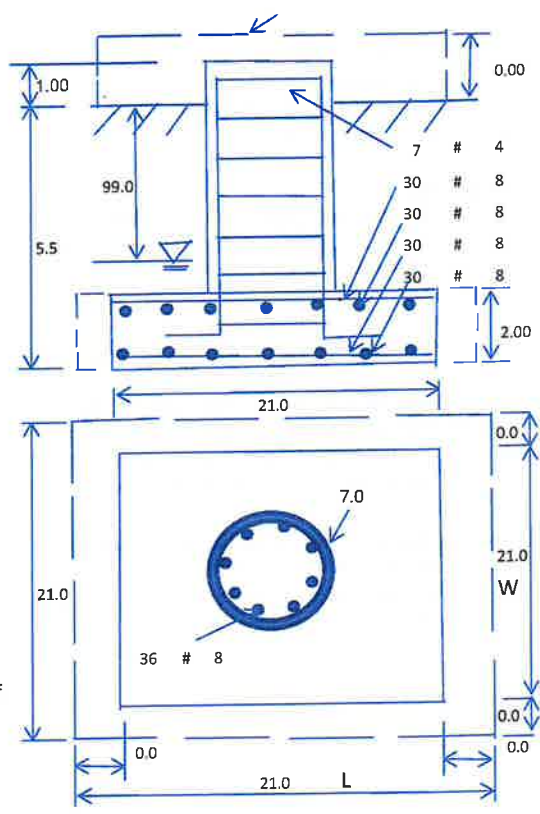
Reactions	Base Plate	Anchor Bolts
Original Design	Yield (ksi): 60.00	Bolt Circle: 58.25
Moment (kip-ft): 2497.00	Width (in): 56.00	Number Bolts: 12.00
Axial (kip): 29.00	Style: Clipped	Bolt Type: 2.25" 18J
Shear (kip): 23.00	Polygon Sides: 4.00	Bolt Diameter (in): 2.25
Analysis (1.2D + 1.0W)	Clip Length (in): 10.00	Yield (ksi): 75.00
Moment (kip-ft): 3309.43	Effective Len (in): 10.38	Ultimate (ksi): 100.00
Axial (kip): 43.41	Moment (kip-in): 718.02	Arrangement: Clustered
Shear (kip): 29.15	Allow Stress (ksi): 81.00	Cluster Dist (in): 6.00
	Applied Stress (ksi): 55.08	Start Angle (deg): 45.00
	Stress Ratio: 0.68	Compression
		Force (kip): 230.87
		Allowable (kip): 268.39
		Ratio: 0.86
		Tension
		Force (kip): 223.64
		Allowable (kip): 243.75
		Ratio: 0.92

	Monopole Mat Foundation Design			Date
				1/29/2024
	Customer Name:	Verizon	EIA/TIA Standard:	TIA-222-H
	Site Name:		Structure Height (Ft.):	149
	Site Number:	CT13058-A-SBA	Engineer Name:	J. Tibbetts
Engr. Number:	144905	Manager Login Req'd:		

Foundation Info Obtained from:	Drawings/Calculations		
Structure Type:	Monopole		
Analysis or Design?	Analysis		
Base Reactions (Factored):			
Axial Load (Kips):	43.4	Shear Force (Kips):	29.2
Uplift Force (Kips):	0.0	Moment (Kips-ft):	3309.4

Foundation Geometries:		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	7.0	Depth of Base BG (ft.):	5.5
Pier Height A. G. (ft.):	1.00	Thickness of Pad (ft.):	2.00
Length of Pad (ft.):	21	Width of Pad (ft.):	21
Final Length of pad (ft)	21.0	Final width of pad (ft):	21.0

Material Properties and Rebar Info:			
Concrete Strength (psi):	4000	Steel Elastic Modulus:	29000 ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60
Vertical Rebar Size #:	8	Tie / Stirrup Size #:	4
Qty. of Vertical Rebars:	36	Tie Spacing (in):	12.0
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	8
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0 pcf
Rebar at the bottom of the concrete pad:			
Qty. of Rebar in Pad (L):	30	Qty. of Rebar in Pad (W):	30
Rebar at the top of the concrete pad:			
Qty. of Rebar in Pad (L):	30	Qty. of Rebar in Pad (W):	30



Soil Design Parameters:			
Soil Unit Weight (pcf):	125.0	Soil Buoyant Weight:	50.0 Pcf
Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4 pcf
Ultimate Bearing Pressure (psf):	12000	Ultimate Skin Friction:	175 Psf
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	No
Consider soil hor. resist. for OTM.:	Yes	Reduction factor on the maximum soil bearing pressure:	1.00

Foundation Analysis and Design:	Uplift Strength Reduction Factor:	0.75	Compression Strength Reduction Factor:	0.75
Total Dry Soil Volume (cu. Ft.):	1408.80	Total Dry Soil Weight (Kips):	176.10	
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00	
Total Effective Soil Weight (Kips):	176.10	Weight from the Concrete Block at Top (K):	0.00	
Total Dry Concrete Volume (cu. Ft.):	1055.18	Total Dry Concrete Weight (Kips):	158.28	
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00	
Total Effective Concrete Weight (Kips):	158.28	Total Vertical Load on Base (Kips):	377.78	

Check Soil Capacities:					
Calculated Maxium Net Soil Pressure under the base (psf):	5043	<	Allowable Factored Soil Bearing (psf):	9000	0.56 OK!
Allowable Foundation Overturning Resistance (kips-ft.):	3615.6	>	Design Factored Momont (kips-ft):	3413	0.94 OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	1.06				OK!

Check the capacities of Reinforcing Concrete:

Strength reduction factor (Flexure and axial tension):	0.90	Strength reduction factor (Shear):	0.75		
Strength reduction factor (Axial compression):	0.65	Wind Load Factor on Concrete Design:	1.00		
(1) Concrete Pier:					
Vertical Steel Rebar Area (sq. in./each):	0.79	Tie / Stirrup Area (sq. in./each):	0.20		
Calculated Moment Capacity (Mn,Kips-Ft):	4845.7	> Design Factored Moment (Mu, Kips-F	3440.8	0.71	OK!
Calculated Shear Capacity (Kips):	660.1	> Design Factored Shear (Kips):	29.2	0.04	OK!
Calculated Tension Capacity (Tn, Kips):	1535.8	> Design Factored Tension (Tu Kips):	0.0	0.00	OK!
Calculated Compression Capacity (Pn, Kips):	9747.6	> Design Factored Axial Load (Pu Kips):	43.4	0.00	OK!
Moment & Axial Strength Combination:	0.71	OK! Check Tie Spacing (Design/Required):		1	OK!
Pier Reinforcement Ratio:	0.005	Reinforcement Ratio is satisfied per ACI			

(2) Concrete Pad:

One-Way Design Shear Capacity (L-Direction, Kips):	490.1	> One-Way Factored Shear (L-D. Kips):	245.5	0.50	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	490.1	> One-Way Factored Shear (W-D., Kips)	245.5	0.50	OK!
One-Way Design Shear Capacity (Corner-Corner, Kips):	450.0	> One-Way Factored Shear (C-C, Kips):	259.3	0.58	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0046	OK! Lower Steel Pad Reinf. Ratio (W-Direc	0.0046		
Lower Steel Pad Moment Capacity (L-Direction, Kips-ft):	2097.8	> Moment at Bottom (L-Dir. K-Ft):	922.9	0.44	OK!
Lower Steel Pad Moment Capacity (W-Direction, Kips-ft):	2097.8	> Moment at Bottom (W-Dir. K-Ft):	922.9	0.44	OK!
Lower Steel Pad Moment Capacity (Corner-Corner, Kips-ft):	2928.2	> Moment at Bottom (C-C Dir. K-Ft):	1305.1	0.45	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0046	OK! Upper Steel Reinf. Ratio (W-Dir.):	0.0046		
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	2097.8	> Moment at the top (L-Dir K-Ft):	429.8	0.20	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	2097.8	> Moment at the top (W-Dir K-Ft):	429.8	0.20	OK!
Upper Steel Pad Moment Capacity (Corner-Corner, K-ft):	2928.2	> Moment at the top (C-C Dir. K-Ft):	407.1	0.14	OK!

(3) Check Punching Shear Capacity due to Moment in the Pier:

Moment transferred by punching shear:	1323.8	k-ft.	Max. factored shear stress v_{u_cd} :	3.7	Psi
Max. factored shear stress v_{u_AB} :	14.4	Psi	Factored shear Strength ϕv_n :	189.7	Psi
Max. factored shear stress v_u :	14.4	Psi	Check Usage of Punching Shear Capacity:	0.08	OK!



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New/Replacement Antenna Mount Analysis Report and PMI Requirements

Mount Analysis-N

SMART Tool Project #: 10217973
 Colliers Engineering & Design Project #: 23777352

January 8, 2024

Site Information

Site ID: 5000202686-VZW / SOUTHBURY SOUTH 2
 CT - SBA tower
 Site Name: SOUTHBURY SOUTH 2 CT - SBA tower
 Carrier Name: Verizon Wireless
 Address: 459 Burr Rd
 Southbury, Connecticut 06488
 New Haven County
 Latitude: 41.44864444°
 Longitude: -73.18266944°

Structure Information

Tower Type: Monopole
 Mount Type: 12.08-Ft Platform

FUZE ID # 2181805

Analysis Results

Platform: 80.5% Pass w/ Mount Replacement*
 (Perfect Vision: PV-SLPP12U-HR-12-96)

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

***Contractor PMI Requirements:

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

Report Prepared By: Selene Chen



Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS, Site ID: 2610425, dated December 20, 2023
Mount Specification Drawings	Perfect Vison, P/N: PV-SLPP12U-HR-12-96, VZWSMART-MSK1 & MSK3D

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 120 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: B Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.973
Seismic Parameters:	S_s : 0.199 g S_1 : 0.054 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Load, L_v : 250 lbs. Maintenance Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
137.00	137.00	3	Samsung	MT6413-77A	Added
		4	JMA Wireless	MX06FHG865-HG	
		4	JMA Wireless	MX06FRO840-02	
		4	Samsung	RF4439d-25A	
		4	Samsung	RF4461d-13A	
		1	Raycap	RVZDC-6627-PF-48	

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

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design to verify deviation will not adversely impact the analysis.
2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Colliers Engineering & Design is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:

- o Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
- o HSS (Rectangular) ASTM 500 (Gr. B-46)
- o Pipe ASTM A53 (Gr. B-35)
- o Threaded Rod F1554 (Gr. 36)
- o Bolts ASTM A325

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Colliers Engineering & Design.

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	64.6 %	Pass
standoff sleeve	14.7 %	Pass
Face Horizontal	44.3 %	Pass
Standoff Plate	45.9 %	Pass
Support Rail	31.2 %	Pass
Antenna Pipe	62.7 %	Pass
Corner Angle	51.9 %	Pass
center plate	18.6 %	Pass
OVP pipe	9.5 %	Pass
Connection Check	80.5 %	Pass

Structure Rating – (Controlling Utilization of all Components)	80.5%
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Mount Connection Envelope Reactions:

Connection Description	Elev. AGL (Ft)	Node Label	Envelope Wind Reactions				Envelope Wind + Ice Reactions			
			Axial (Lbs)	Lateral (Lbs)	Moment (K-Ft)	Torsion (K-Ft)	Axial (Lbs)	Lateral (Lbs)	Moment (K-Ft)	Torsion (K-Ft)
Sector A Standoff	137	N95	1320	2688	6.667	2.023	2777	806	13.853	0.313
Sector B Standoff	137	N64	1067	1766	5.099	0.230	2148	592	10.426	0.200
Sector C Standoff	137	N33	1624	1820	8.627	1.528	3458	602	18.815	0.644
Sector D Standoff	137	N2	1422	1928	7.071	2.347	3002	633	15.172	0.605

Notes:

- Axial loads act along the axis of the tower
- Lateral reactions act perpendicular to the tower
- Moment loads introduce bending moment to the tower
- Torsion loads introduce twisting moment to the tower
- Batch solutions by individual load cases are included at the end of this document

BASELINE mount weight per SBA agreement: 0.00 lbs

Increase in mount weight due to Verizon loading change per SBA agreement: 3539 lbs

The weights listed above include 4 sectors.

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

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	39.8	39.1	64.0	63.4
0.5	52.0	54.0	88.4	86.4
1	62.8	65.8	110.4	107.5

Notes:

- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 4 sector(s).
- Ka factors included in (EPA)a calculations

Requirements:

The proposed antenna mount is **SUFFICIENT** for the final loading configuration (attachment 2) upon completion of the mount replacement (attachment 3) and requirements below.

Refer to document at the end of this form for special instructions. Contact EOR if special instructions are not available.

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

Attachments:

1. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
2. Antenna Placement Diagrams
3. Mount Manufacturer Drawings
4. Analysis Calculations

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – **New Mount Passing MA**

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

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

MDG #: 5000202686

SMART Project #: 10217973

Fuze Project ID: 2181805

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

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

Base Requirements:

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

Photo Requirements:

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

- These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.
- Photos of each installed mount; pictures shall also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
- Photos showing the installed mount elevation.

Antenna & Equipment Placement and Geometry Confirmation:

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

OR

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

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

Issue:

Refer to document at the end of this form for special instructions. Contact EOR if special instructions are not available.

Response:

Special Instruction Confirmation:

- The contractor has read and acknowledges the above special instructions.

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

- Yes No

Contractor certifies no new damage created during the current installation:

- Yes No

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

Safety Climb in Good Condition

Safety Climb Damaged

Comments:

--

New Mount Certification:

- The contractor certifies that the New Mount installed is as specified in the Passing Mount Analysis.
- The contractor notes that the New Mount installed is not as specified and engineering approval was received for the New Mount installed.

Certifying Individual:

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



MDG #: **5000202686**
Site Name: **SOUTHBURY SOUTH 2 CT - SBA tower**
Fuze ID #: **2181805**
Colliers Engineering & Design Project #: **23777352**

PMI INSTRUCTIONS:

Contractor shall install the proposed mount in accordance with manufacturer specifications and the Mount Installation Sketch. Contact EOR if these documents are not available.

Contractor to install the mount with Alpha mount facing at 10-degree azimuth.

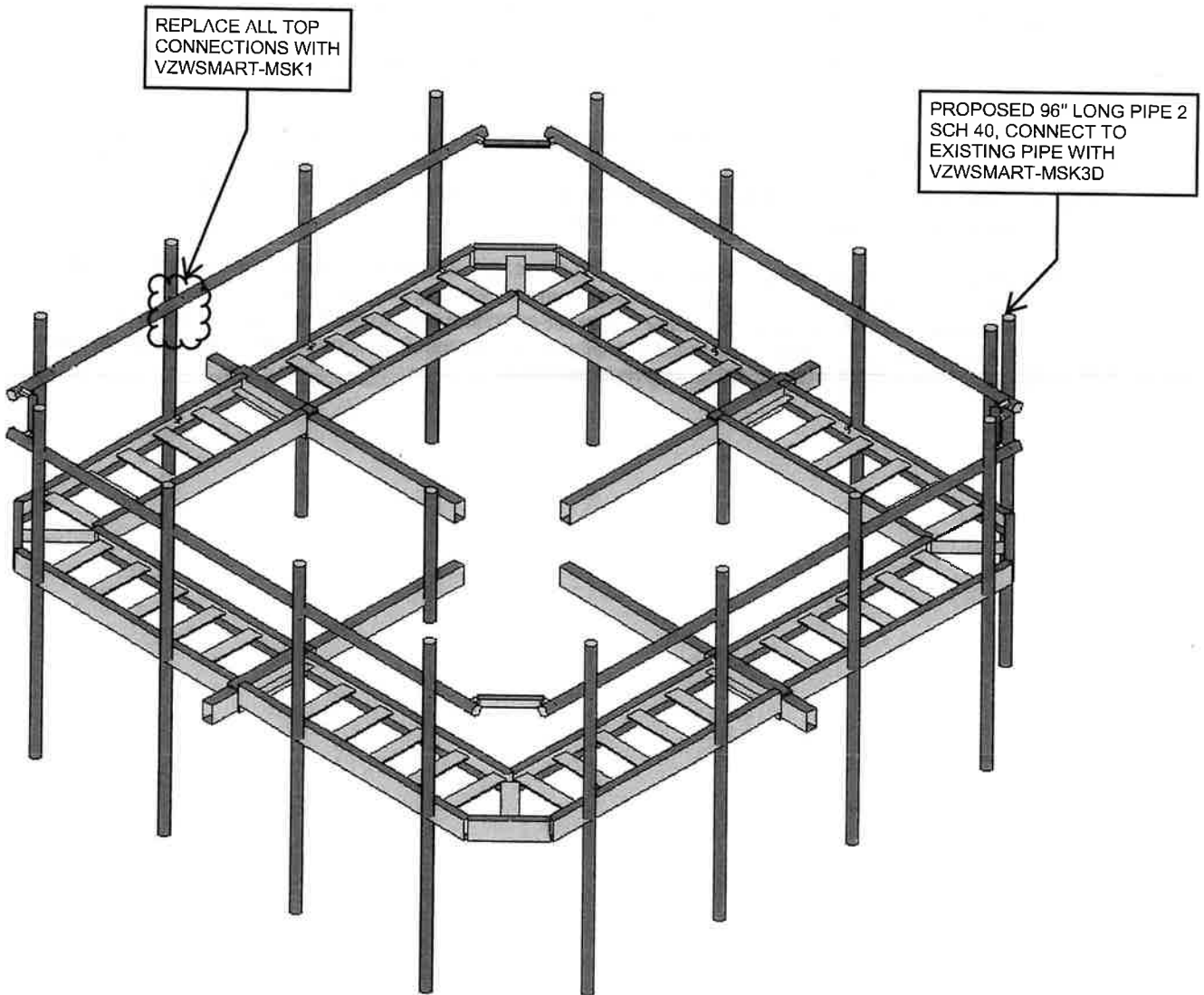
Contractor shall install a new 36" long PIPE 2 SCH 40 OVP pipe on the Alpha sector standoff horizontal.

Contractor shall replace all single u-bolted equipment mount pipe connections with VZWSMART MSK1 kits. Shift support rail outward by adjusting corner connection brackets as needed.

Contractor shall install a new 96" long PIPE 2 SCH40 mount pipe position 4(Gamma sector). Top of pipe shall match position 4 pipe location on mount. Contractor shall install 1 set of pipe-to-pipe clamps (VZWSMART-MSK3D). Install pipe-to-pipe clamps 27" from top of proposed pipe and 27" from top of existing pipe. Install the 2nd set of pipe-to-pipe clamps at 36" from the 1st set.

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

MOUNT INSTALLATION SKETCH



MOUNT ISOMETRIC VIEW
N.T.S

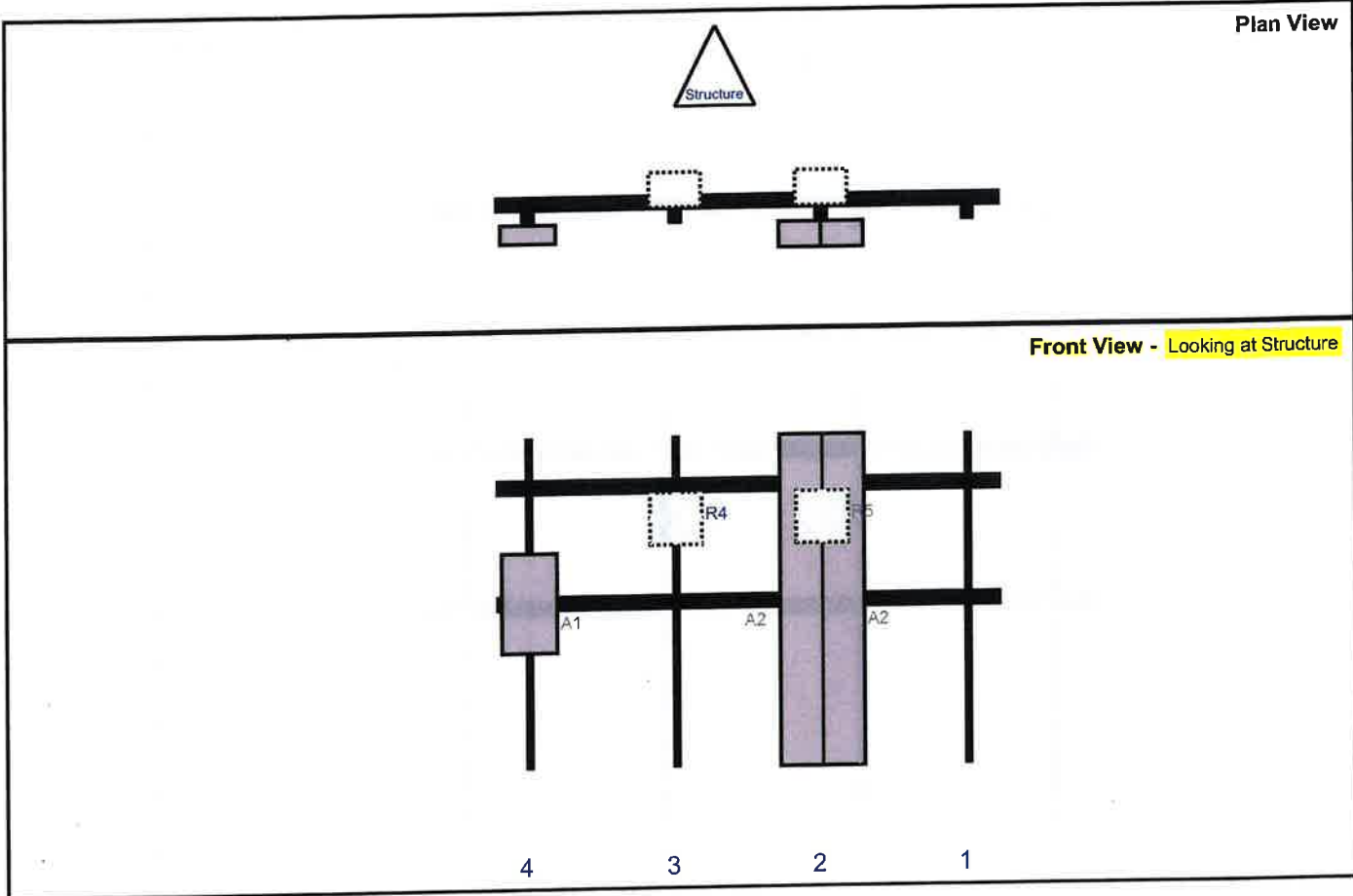
Sector: A

Structure Type: Monopole

10217973



Mount Elev: 137.00



Ref#	Model	Height (in)	Width (in)	H Dist Fm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	MX06FHG865-HG	95.9	12.2	93.5	2	a	Front	48	6	Added	
A2	MX06FHG865-HG	95.9	12.2	93.5	2	b	Front	48	-6	Added	
R5	RF4461d-13A	15	15	93.5	2	a	Behind	24	0	Added	
R4	RF4439d-25A	15	15	51.5	3	a	Behind	24	0	Added	
A1	MT6413-77A	28.9	15.8	9.5	4	a	Front	48	0	Added	
MP4D	MX06FHG865-HG	95.9	12.2		Member					Added	
MP2D	MT6413-77A	28.9	15.8		Member					Added	
OVP1	RVZDC-6627-PF-48	29.5	16.5		Member					Added	
MP3D	RF4439d-25A	15	15		Member					Added	
MP4D	RF4461d-13A	15	15		Member					Added	

Structure: 5000202686-VZW - SOUTHBURY SOUTH 2 CT - SBA tower

Sector: B

1/5/2024

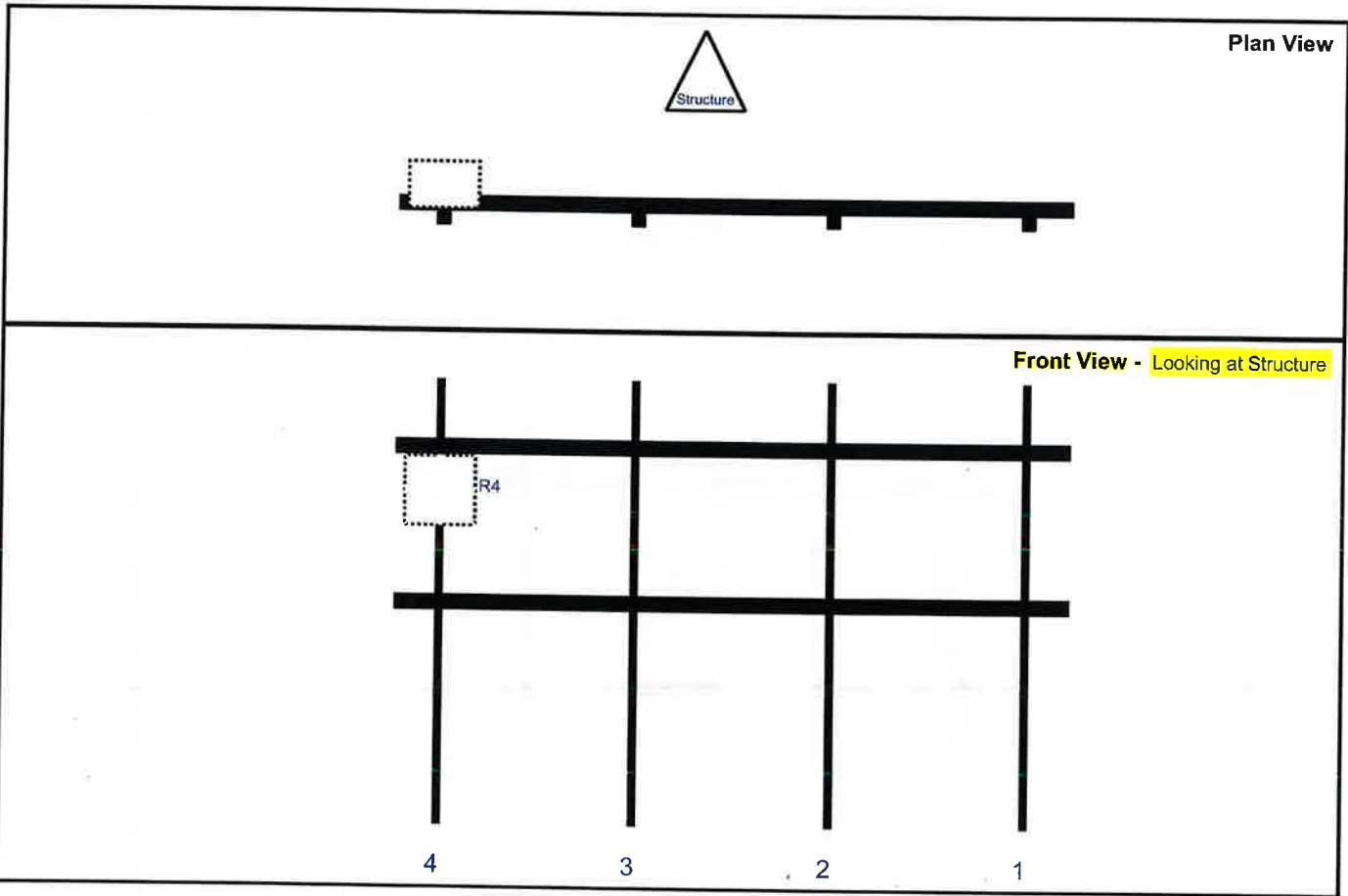
Structure Type: Monopole

10217973



Mount Elev: 137.00

Page: 2



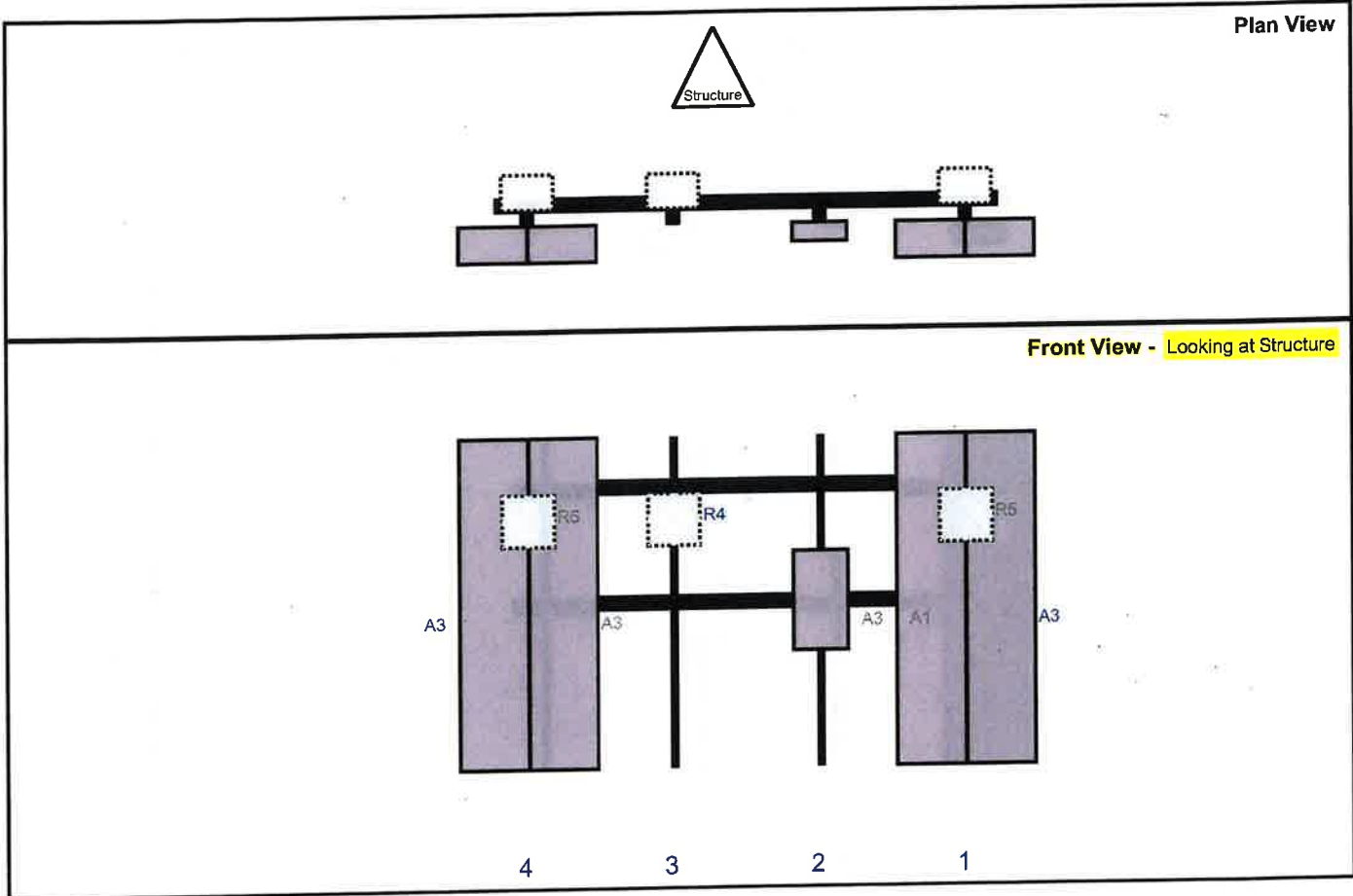
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R4	RF4439d-25A	15	15	9.5	4	a	Behind	24	0	Added	

Sector: C

Structure Type: Monopole

10217973

Mount Elev: 137.00



Ref#	Model	Height (in)	Width (in)	H Dist Fm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Fm T.	Ant H Off	Status	Validation
A3	MX06FRO840-02	95.9	19.8	135.5	1	a	Front	48	-10	Added	
A3	MX06FRO840-02	95.9	19.8	135.5	1	b	Front	48	10	Added	
R5	RF4461d-13A	15	15	135.5	1	a	Behind	24	0	Added	
A1	MT6413-77A	28.9	15.8	93.5	2	a	Front	48	0	Added	
R4	RF4439d-25A	15	15	51.5	3	a	Behind	24	0	Added	
A3	MX06FRO840-02	95.9	19.8	9.5	4	a	Front	48	-10	Added	
A3	MX06FRO840-02	95.9	19.8	9.5	4	b	Front	48	10	Added	
R5	RF4461d-13A	15	15	9.5	4	a	Behind	24	0	Added	

Structure: 5000202686-VZW - SOUTHBURY SOUTH 2 CT - SBA tower

Sector: D

1/5/2024

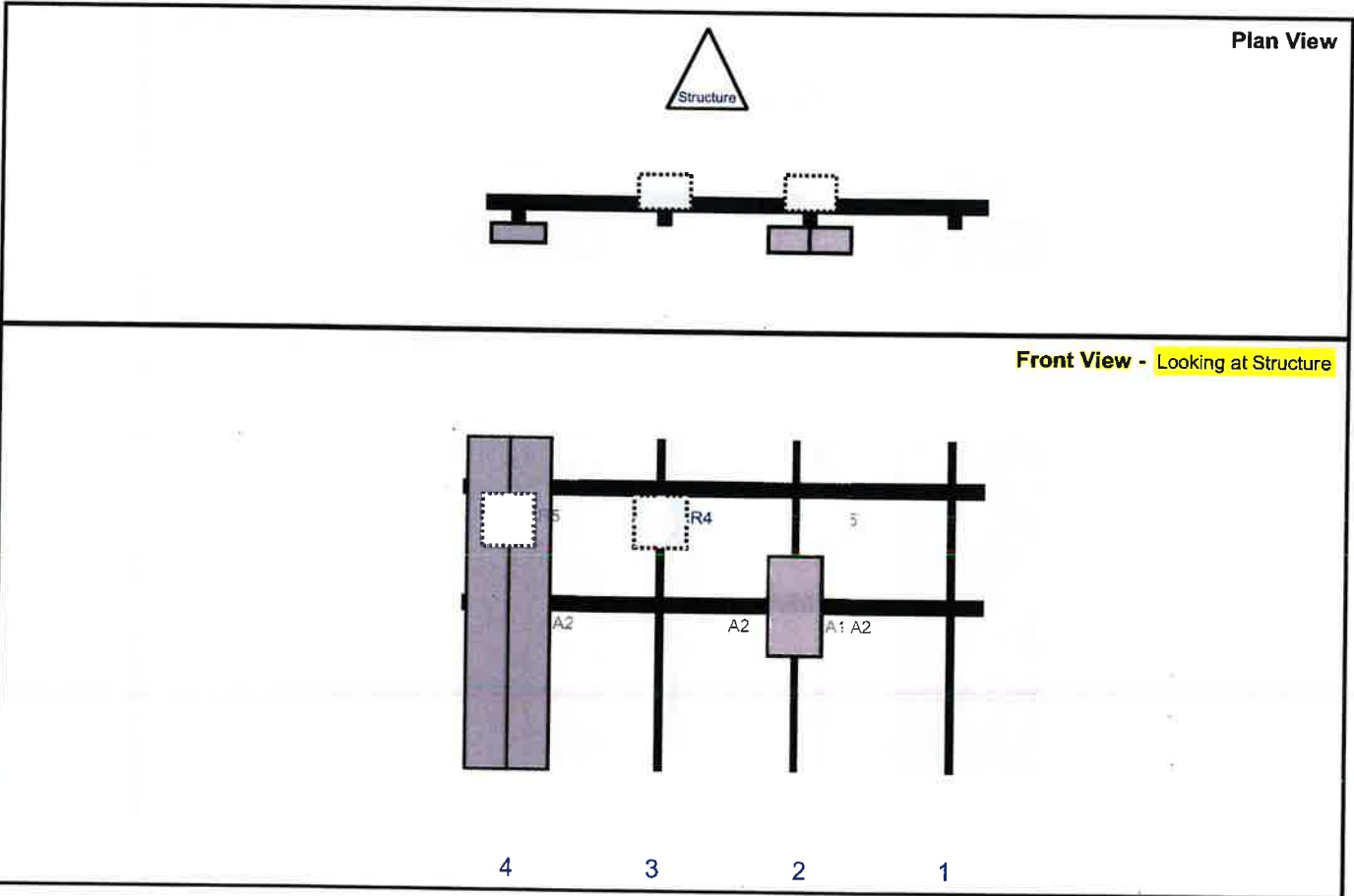
Structure Type: Monopole

10217973



Mount Elev: 137.00

Page: 1

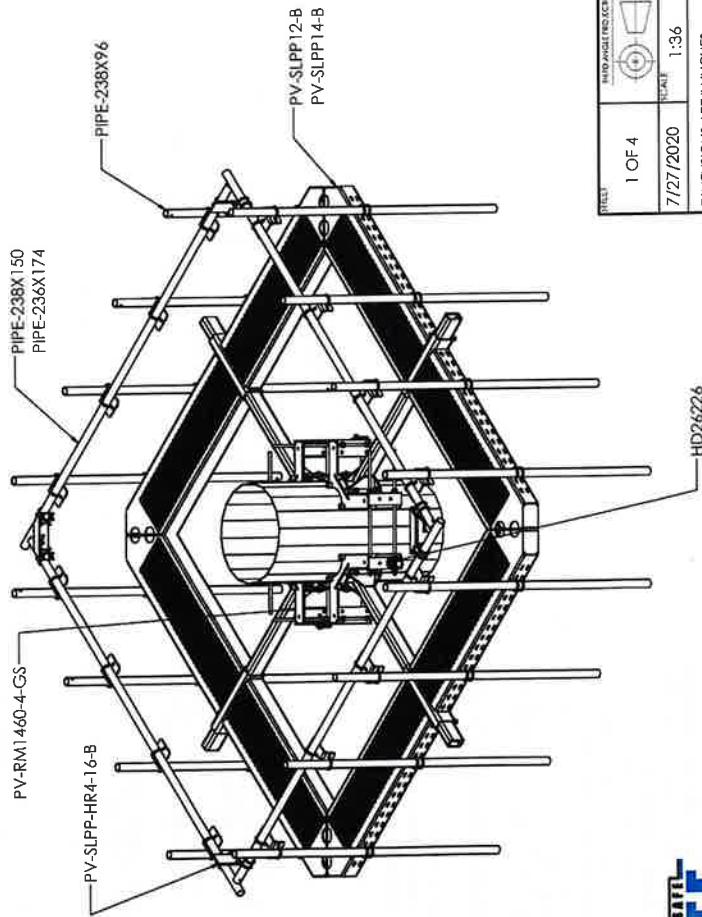
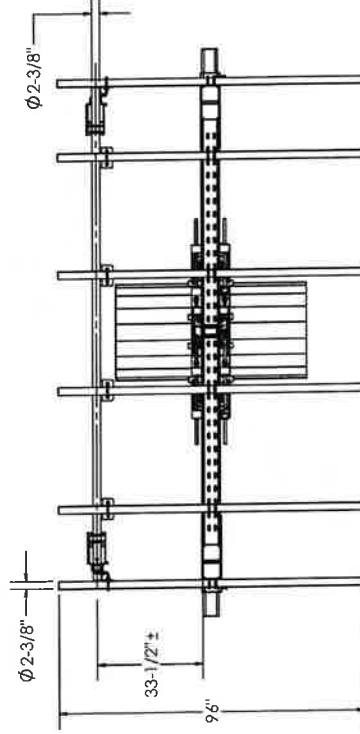
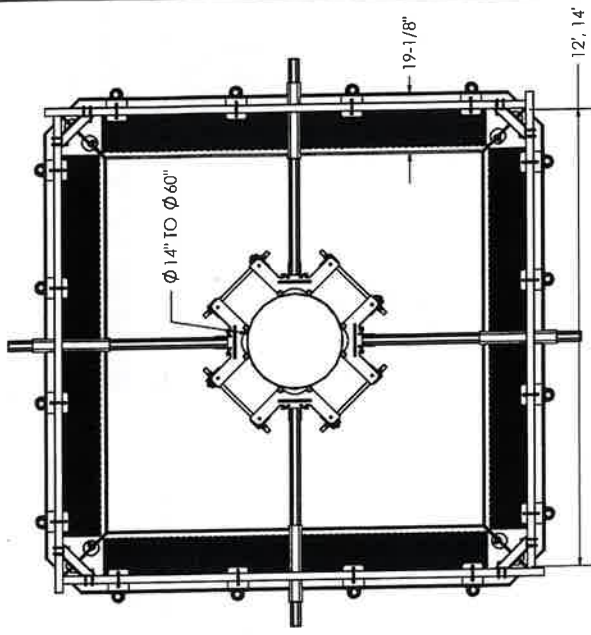


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	MX06FHG865-HG	95.9	12.2	93.5	2	a	Front	48	6	Added	
A2	MX06FHG865-HG	95.9	12.2	93.5	2	b	Front	48	-6	Added	
R5	RF4461d-13A	15	15	93.5	2	a	Behind	24	0	Added	
R4	RF4439d-25A	15	15	51.5	3	a	Behind	24	0	Added	
A1	MT6413-77A	28.9	15.8	9.5	4	a	Front	48	0	Added	

L.I.F.E. MOUNT™ MONOPOLE SQUARE PLATFORM

Table 1: Platform Configurations

Part Number	Description	Weight (lbs)	Included Parts							
PV-SLPP12U-B	L.I.F.E. Mount™ 4 Sector Platform, 12' Face, 14"-60" Pole	2511	PV-RM1460-4-GS	PV-SLPP12-B	PV-SLPP14-B	PV-SLPP-HR4-16-B	PPE-238X96	PPE-238X150	PPE-238X174	HD26226
PV-SLPP12U-HR-B	L.I.F.E. Mount™ 4 Sector Platform, Horizontal Support Rail, 12' Face, 14"-60" Pole	3188								
PV-SLPP12U-HR-12-96	L.I.F.E. Mount™ 4 Sector Platform, Horizontal Support Rail, 12' Face, 14"-60" Pole, (12) Antenna Pipe	3539								
PV-SLPP12U-HR-16-96	L.I.F.E. Mount™ 4 Sector Platform, Horizontal Support Rail, 12' Face, 14"-60" Pole, (16) Antenna Pipe	3656								
PV-SLPP14U-B	L.I.F.E. Mount™ 4 Sector Platform, 14' Face, 14"-60" Pole	2863								
PV-SLPP14U-HR-B	L.I.F.E. Mount™ 4 Sector Platform, Horizontal Support Rail, 14' Face, 14"-60" Pole	3217								
PV-SLPP14U-HR-12-96	L.I.F.E. Mount™ 4 Sector Platform, Horizontal Support Rail, 14' Face, 14"-60" Pole, (12) Antenna Pipe	3569								



REV	DATE	DESCRIPTION	BY	CHKD	APP'D	DESCRIPTION
5	9/07/20	KIT UPDATED WITH RM1460 GS COLLARS				
4	4/30/20	UPDATE TO NEW TEMP/AE				
3	8/03/19	UPDATE TO RT				
2	10/26/18	UPDATED TO 4 PPS PER SECTOR				
1	7/13/18	ADDRESS ISSUES: ANROWS				
		APPROVED				

PERFECT VISION

SQUARE MONOPOLE PLATFORM
 PV-SLPP-ENG-01-R5

5

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MOUNT CLASSIFICATIONS:

MOUNT CLASSIFICATION INFORMATION:

- STANDARDS: TIA-222-G / TIA-222-H
- MAX STRUCTURE HEIGHT: 400ft
- STRUCTURE CLASS: 1 OR II
- EXPOSURE CATEGORY: B OR C
- TOPOGRAPHIC CATEGORY: 1
- DESIGN WIND PRESSURE (NO ICE): 135psf
- DESIGN WIND PRESSURE (ICED): 15psf
- DESIGN ICE THICKNESS: 2.75in Radial

SEE STRUCTURAL LETTER SLPP-STL-01-RO FOR ADDITIONAL ANALYSIS INFO

APPROVED MOUNTS:

- PV-SLPP12U-HR-B, PV-SLPP12U-HR-12-96, PV-SLPP12U-16-96
- PV-SLPP14U-HR-B, PV-SLPP14U-HR-12-96, PV-SLPP14U-16-96

WIND SPEED (ft/s)	APPROVED MOUNT CLASSIFICATIONS				
	700	750	1150	1550	1600
0	M700R(0)-4[6]	M750R(0)-4[6]	M1150R(0)-4[6]	M1550R(0)-4[6]	M1600R(0)-4[6]
600	M700R(600)-4[6]	M750R(600)-4[6]	M1150R(600)-4[6]	M1550R(600)-4[6]	M1600R(600)-4[6]
800	M700R(800)-4[6]	M750R(800)-4[6]	M1150R(800)-4[6]	M1550R(800)-4[6]	M1600R(800)-4[6]
1100	M700R(1100)-4[6]	M750R(1100)-4[6]	M1150R(1100)-4[6]	M1550R(1100)-4[6]	M1600R(1100)-4[6]
1250	M700R(1250)-4[6]	M750R(1250)-4[6]	M1150R(1250)-4[6]	M1550R(1250)-4[6]	M1600R(1250)-4[6]

POLE THICKNESS LIMITATIONS:

ON POLES WITH WALL THICKNESS EQUAL TO OR GREATER THAN THE VALUES LISTED BELOW, THE PERFECT VISION PV-SLPP MOUNT SERIES IS STRUCTURALLY CAPABLE OF SUPPORTING THE ABOVE LOADING SCENARIOS WITHOUT THE NEED FOR AN ADDITIONAL KICKER BRACE.

FOR THIN WALL POLES, USE PV-PRBK-4 PLATFORM KICKER BRACE TO AVOID POLE CRIMPING FAILURES. KICKER BRACE CAN BE INSTALLED ABOVE OR BELOW PLATFORM.

POLE THICKNESS LIMITATION	
MAX REQUIRED LOAD (LBS)	MIN POLE THICKNESS
600	1/4"
950	1/4"
1000	5/16"
1600	5/16"

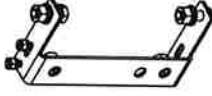
PLATFORM EPA:

PART NUMBER	PLATFORM EPA	
	NO ICE (FT2)	1/2" RADIAL ICE (FT2)
PV-SLPP12U-B	38.0	45.0
PV-SLPP12U-HR-B	43.9	53.2
PV-SLPP14U-B	45.0	53.2
PV-SLPP14U-HR-B	51.6	62.4

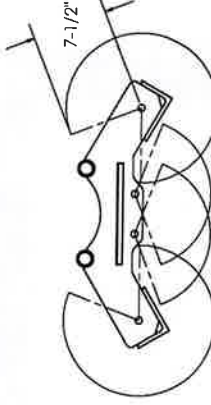
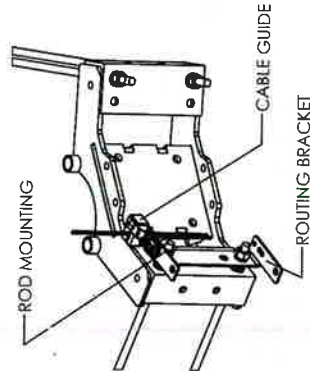
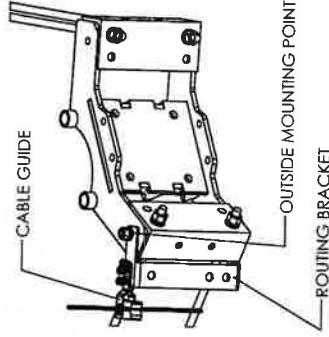
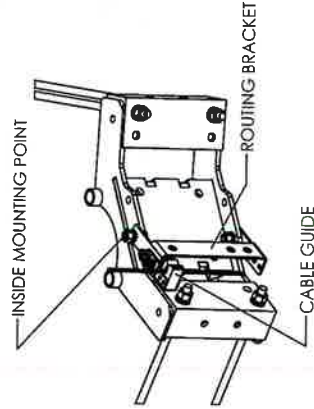
*DOES NOT INCLUDE ANTENNA PIPES

OPTIONAL ADD ON: SAFETY CLIMB ROUTING (SOLD SEPARATELY)

PV-SCFB-RMGS - SAFETY CLIMB ROUTING BRACKET
115-203 - LOCKING CABLE GUIDE
115-242 - STANDARD CABLE GUIDE



PV-SCRB-RMGS
SAFETY CLIMB ROUTING BRACKET
WEIGHT: 4 LBS



CABLE GUIDE RANGE



PERFECT VISION
SQUARE MONOPOLE PLATFORM
PART NUMBER

SLPP-ENG-01-R5

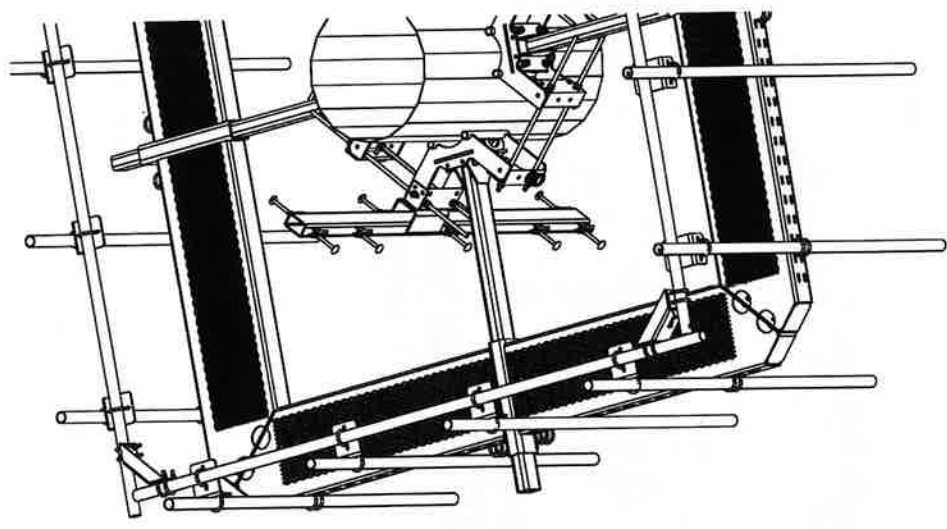
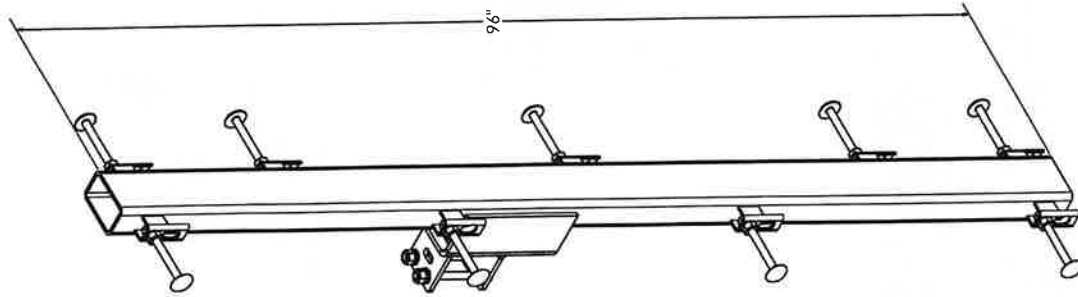
5

REV	DATE	DESCRIPTION	APPROVED	BY
5	6/9/20	RI UPDATED WITH RAI TAGS COLUMN		
4	4/30/20	UPDATE TO NEW TEMPLATE		
3	8/03/19	UPDATE TO KIT		
2	10/24/18	UPDATED TO 4 PIPES PER SECTION		
1	7/13/16	ADDED C. ASSOCIATIONS		
		APPROVED		

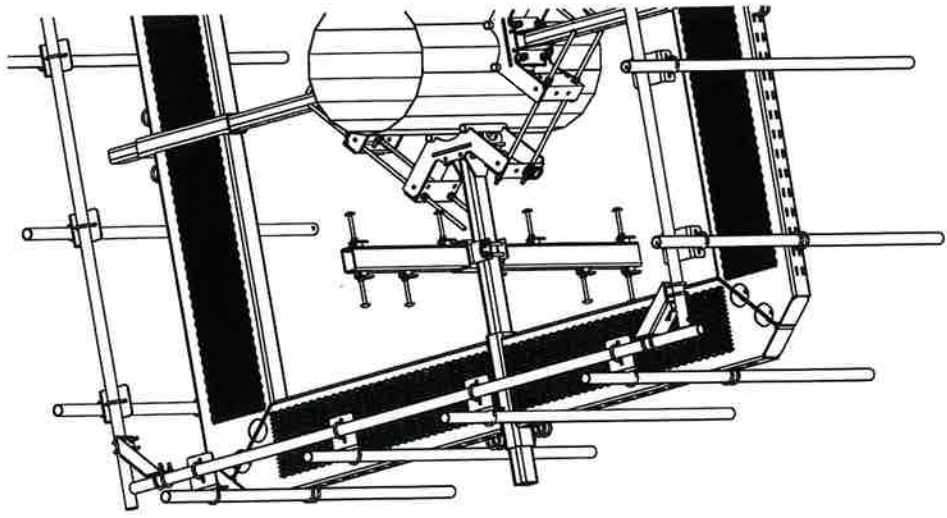
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OPTIONAL ADD ON: PV-LPP-GS-ACC5 (SOLD SEPARATELY)

GUARDIAN SERIES CLIMBING MAST
WEIGHT: 143 LBS EACH



COLLAR MOUNT INSTALLATION



HSS TUBE INSTALLATION



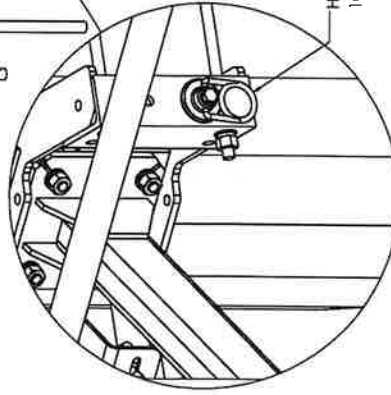
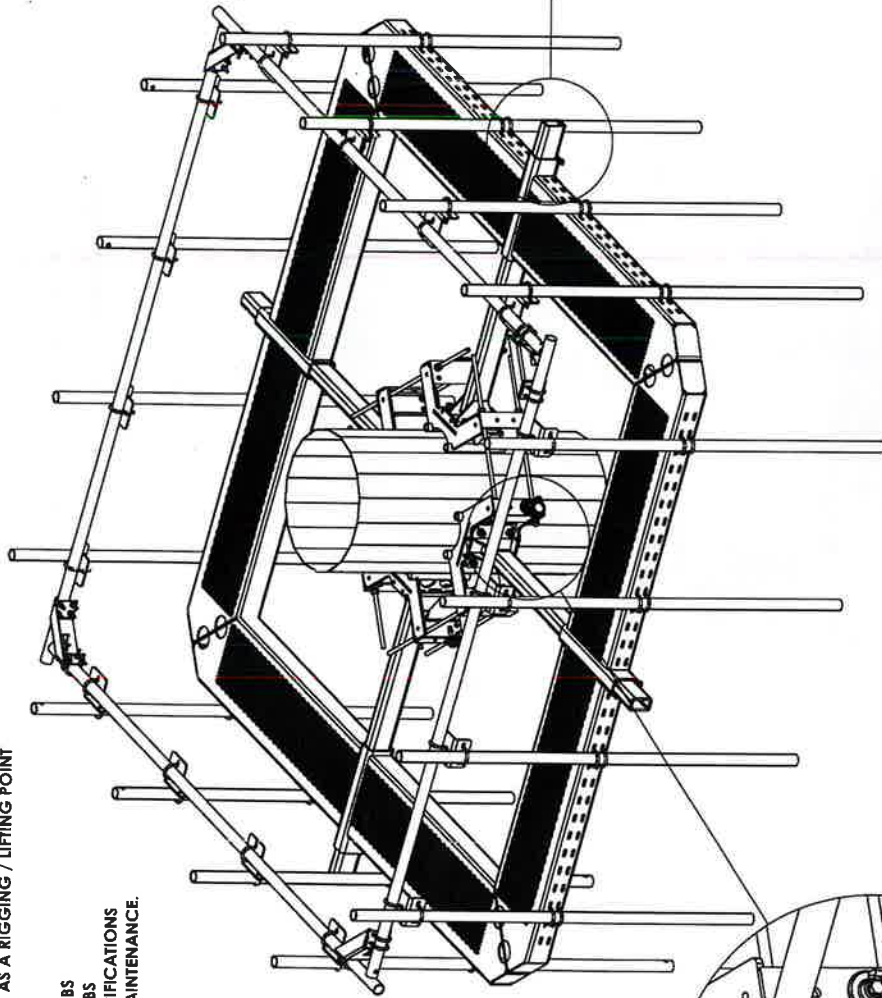
3 OF 4	7/27/2020	SCALE: 1:24	REVISED	DATE
DIMENSIONS ARE IN INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED: ANGLES ± 1/4° BEND ± 2° ALL OTHERS: ± 1/16"				
DESCRIPTION	DATE	BY	DATE	REV
APPROVED				5
STATUS				
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TYPE				
02 Square Monopole Platform				
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DESCRIPTION				
APPROVED				
STATUS				
PRECISION				
DIN				
TYPE				
02 Square Monopole Platform				
02 Square				
02 Monopole				
REVISED				
DATE				
DESCRIPTION				
APPROVED				
STATUS				
PRECISION				
DIN				
TYPE				
02 Square Monopole Platform				
02 Square				
02 Monopole				
REVISED				
DATE				
DESCRIPTION				
APPROVED				
STATUS				
PRECISION				
DIN				
TYPE				
02 Square Monopole Platform				
02 Square				
02 Monopole				
REVISED				
DATE				
DESCRIPTION				
APPROVED				
STATUS				

10K SWIVEL ANCHOR:

SWIVEL ANCHOR ATTACHMENT NOTES:

- DO NOT INSTALL ANCHORS UNTIL AFTER RING MOUNT IS PROPERLY INSTALLED ON TOWER.
- DO NOT USE SWIVEL ANCHORS AS A RIGGING / LIFTING POINT
- SWIVEL ANCHOR SPECS:

- UTS: 10,000 LBF
- MAX USER WEIGHT: 310 LBS
- WORKING LOAD: 2,000 LBS
- FOLLOW MANUFACTURER SPECIFICATIONS FOR ANCHOR INSTALLATION AND MAINTENANCE.

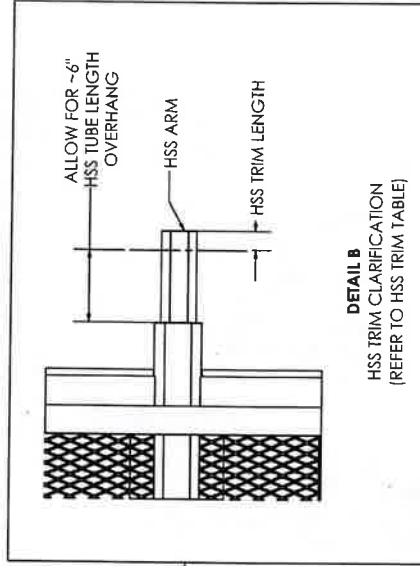


HD26226
10K SWIVEL ANCHOR

DETAIL A

HSS TRIM TABLE				
POLE Ø	SLPP12		SLPP14	
	REQUIRED HSS ARM LENGTH (Inches)	ALLOWABLE TRIM LENGTH (Inches)	REQUIRED HSS ARM LENGTH (Inches)	ALLOWABLE TRIM LENGTH (Inches)
15	68.625	0	84.625	0
20	68.625	0	84.625	2
25	68.625	0	80.125	4.5
30	67.125	1.5	77.375	7.25
35	64.375	4.25	74.875	9.75
40	61.875	6.75	72.125	12.5
45	59.375	9.25	69.875	14.75
50	56.875	11.75	67.125	17.5
55	54.125	14.5	64.625	20
60	51.625	17	62.125	22.5

NOTE: POLE Ø MAY VARY. ROUND TO THE NEAREST POLE Ø ON CHART FOR TRIM LENGTH APPROXIMATION



DETAIL B
HSS TRIM CLARIFICATION
(REFER TO HSS TRIM TABLE)



PERFECT VISION
POLE MOUNT PLATFORM

REV	DESCRIPTION	DATE
5	REVISED WITH RMI 68-65 COLLARS	6/19/19
4	UPDATING TO NEW EMPLATE	4/22/20
3	REPLACE 1/2" Ø	8/24/19
2	UPDATING TO 4 PIPES PER SCC OR	10/26/18
1	ADDED CLASSIFICATIONS	2/13/18

SLPP-ENG-01-R5

PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF PERFECT VISION MFG. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF PERFECT VISION MFG IS PROHIBITED.

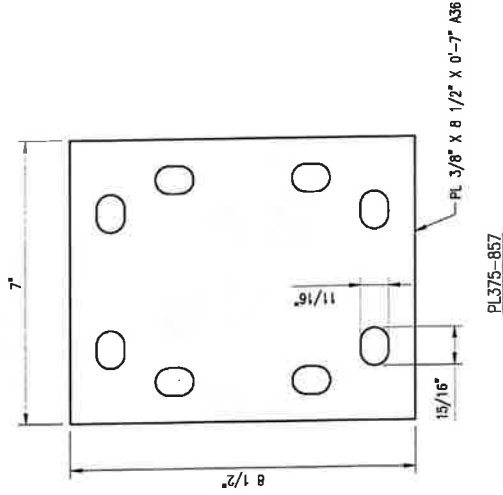
VZW
SMART Tool[®]
 Vendor

verizon

FOR REFERENCE
 ONLY

DRAWN BY: HLR	CHECKED BY: HMA
REV	DESCRIPTION
DATE	BY
HLR 06/04/20	HLR 06/04/20
▲	▲
▲	▲
▲	▲
▲	▲

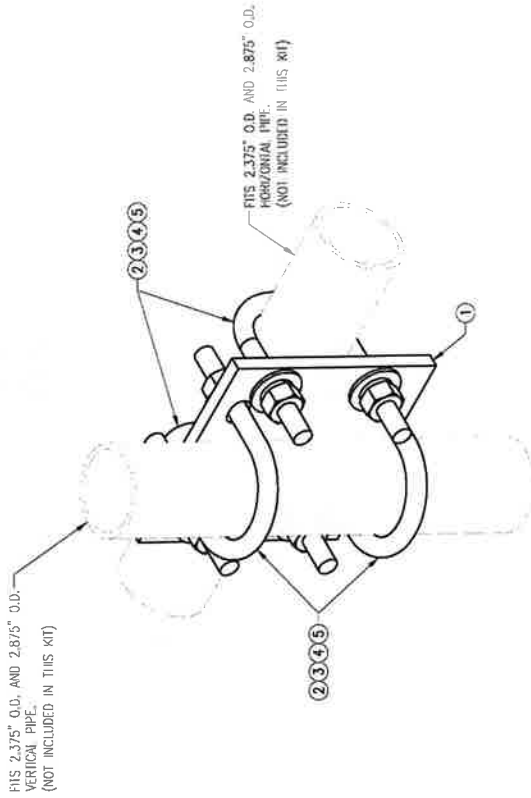
SHEET TITLE:	
VZWSMART-MSK1	CROSSOVER PLATE
SHEET NUMBER:	REV #:
VZWSMART-MSK1	0



PL375-857

VZWSMART-MSK1 (CROSSOVER PLATE)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-857	PL 3/8" X 8 1/2" X 0'-7" A36	MSK1-F1	5
2	4	MS02-625-300-500	RU-BOLT 5/8" X 3" LW X 5" HT A36 (OR EQUIV)	RBC-1	5
3	8	FW-625	5/8" HDG USS FLAT WASHER		1
4	8	LW-625	5/8" HDG LOCK WASHER		0
5	8	NUT-625	5/8" HDG HEX NUT		1
GALVANIZED WT					14



FITS 2.375" O.D. AND 2.875" O.D. VERTICAL PIPE. (NOT INCLUDED IN THIS KIT)

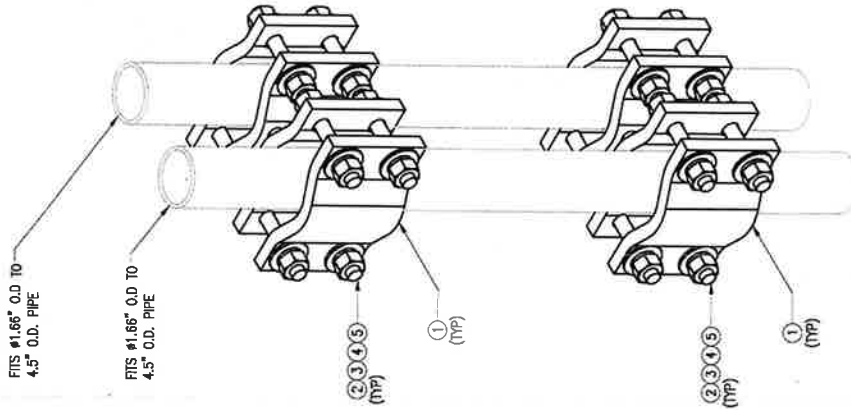
FITS 2.375" O.D. AND 2.875" O.D. HORIZONTAL PIPE. (NOT INCLUDED IN THIS KIT)

NOTES:
 1. HOT-DIPPED GALVANIZED PER ASTM A123.

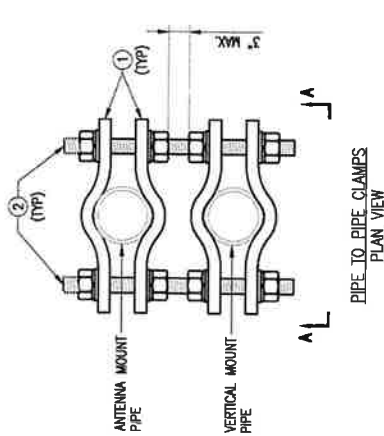
FOR REFERENCE ONLY

DRAWN BY BT	CHECKED BY: NMA/OW
REV	DATE
DESCRIPTION	BT 05/09/20
ISSUE	

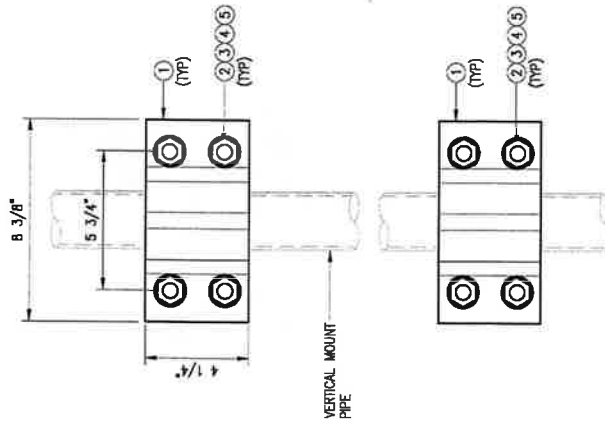
SHEET TITLE:	
VZWSMART-MSK3D PIPE TO PIPE CLAMPS	
SHEET NUMBER:	REV #:
VZWSMART-MSK3D	0



PIPE TO PIPE CLAMPS
 ISOMETRIC VIEW



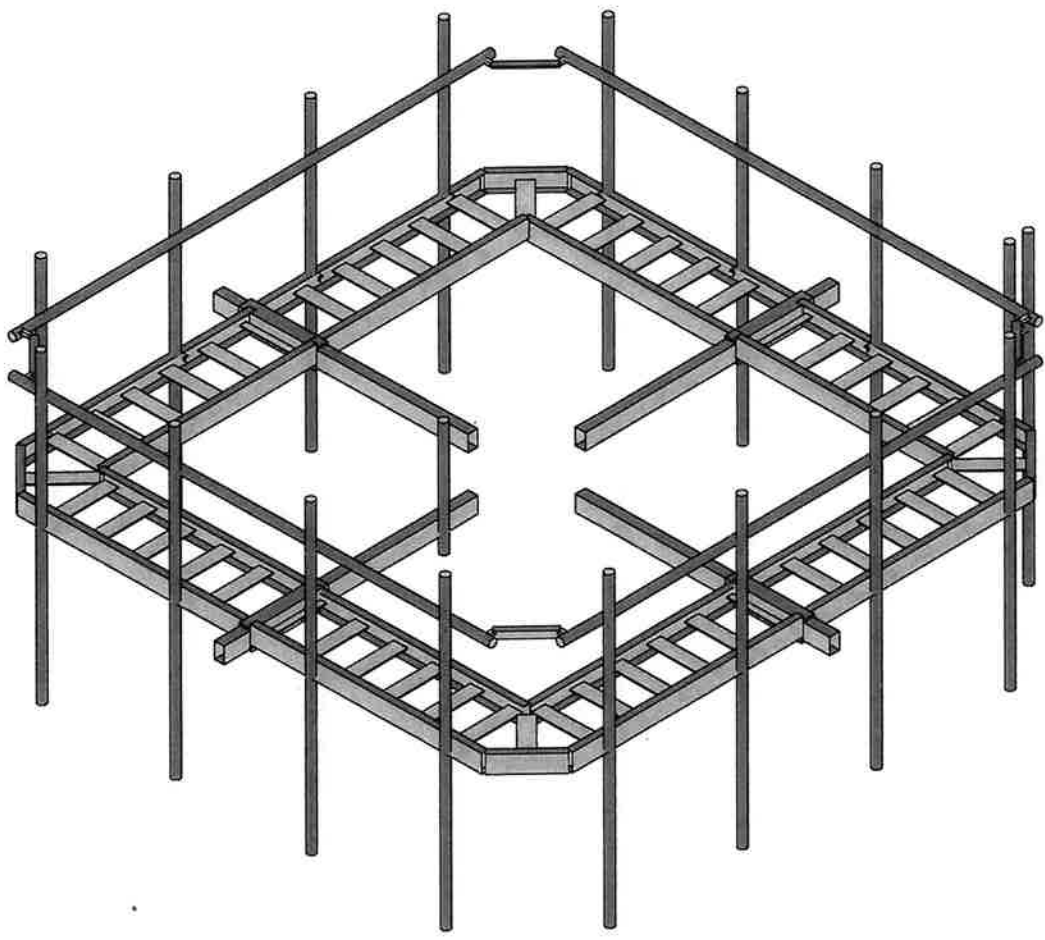
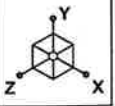
PIPE TO PIPE CLAMPS
 PLAN VIEW



SECTION "A-A"

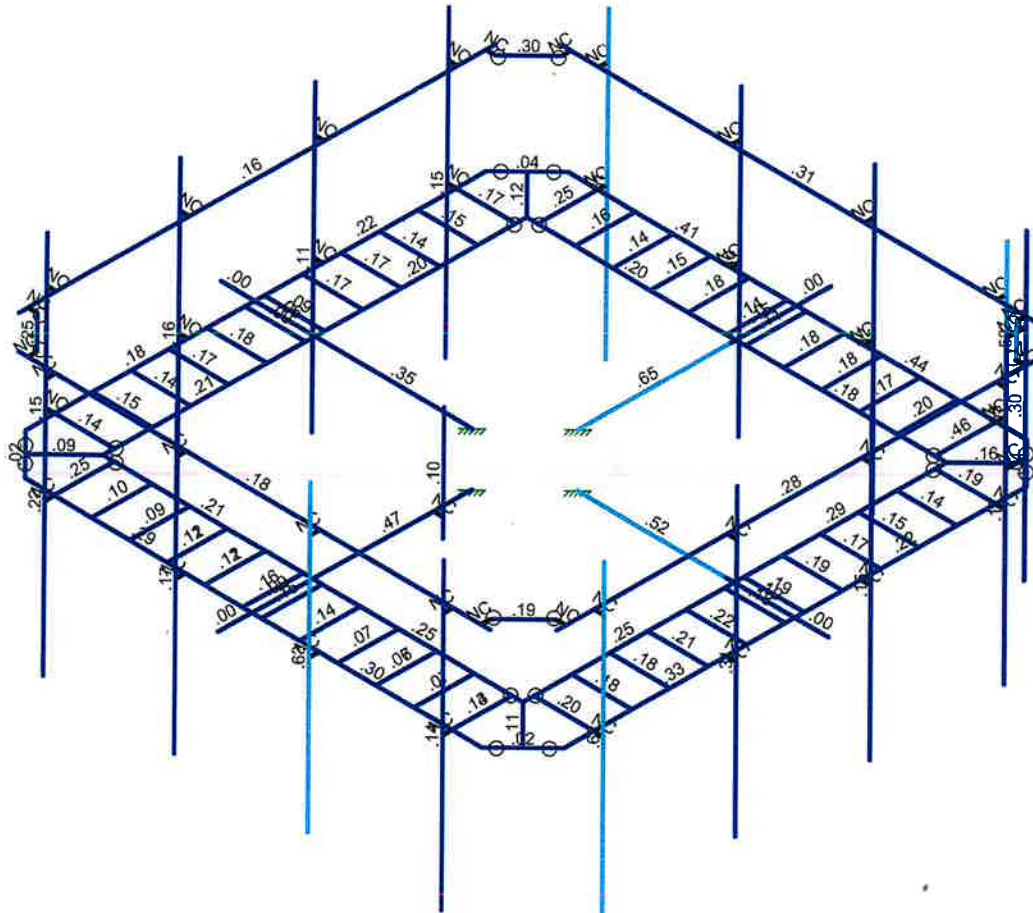
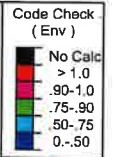
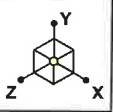
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	8	V-CLAMP	PL 1/2" X 4 1/4" X B 5/8" A36 BEND PLATE	MSK3D-F1	42
2	8		THREADED ROD 5/8" DIA. X 1'-0" F1554-36 F40		
3	32	FW-625	5/8" HDC USS FLAT WASHER		3
4	32	LW-625	5/8" HDC LOCK WASHER		1
5	32	NUT-625	5/8" HDC HEX NUT		4
				GALVANIZED	WT 42

- NOTES:
- ALL HOLES ARE 11/16" DIA. UNO
 - HOT-DIPPED GALVANIZED PER ASTM A123.
 - FIT UP TO 4.5" O.D. PIPE



Envelope Only Solution

		SK - 1
		Jan 5, 2024 at 1:26 PM
		5000202686-VZW_MT_LO_H.r3d

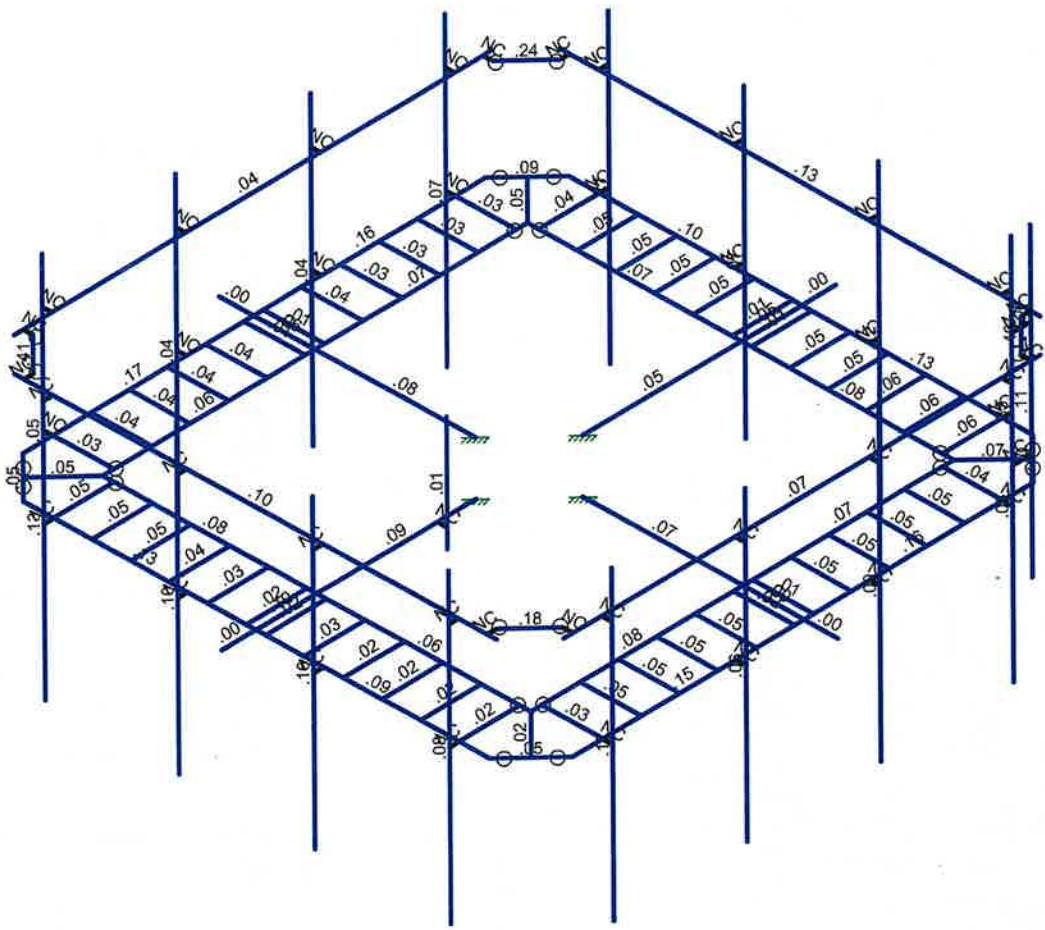
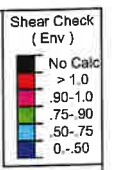
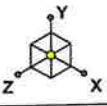


Member Code Checks Displayed (Enveloped)
Envelope Only Solution

SK - 2

Jan 5, 2024 at 1:26 PM

5000202686-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

	SK - 3
	Jan 5, 2024 at 1:26 PM
	5000202686-VZW_MT_LO_H.r3d



Company :
 Designer :
 Job Number :
 Model Name :

Jan 5, 2024
 1:26 PM
 Checked By: _____

Basic Load Cases

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



Company :
 Designer :
 Job Number :
 Model Name :

Jan 5, 2024
 1:26 PM
 Checked By: _____

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me... Surface(...
59	Structure Wi (180 Deg)	None						240
60	Structure Wi (210 Deg)	None						240
61	Structure Wi (240 Deg)	None						240
62	Structure Wi (270 Deg)	None						240
63	Structure Wi (300 Deg)	None						240
64	Structure Wi (330 Deg)	None						240
65	Structure Wm (0 Deg)	None						240
66	Structure Wm (30 Deg)	None						240
67	Structure Wm (60 Deg)	None						240
68	Structure Wm (90 Deg)	None						240
69	Structure Wm (120 Deg)	None						240
70	Structure Wm (150 Deg)	None						240
71	Structure Wm (180 Deg)	None						240
72	Structure Wm (210 Deg)	None						240
73	Structure Wm (240 Deg)	None						240
74	Structure Wm (270 Deg)	None						240
75	Structure Wm (300 Deg)	None						240
76	Structure Wm (330 Deg)	None						240
77	Lm1	None					1	
78	Lm2	None					1	
79	Lv1	None					1	
80	Lv2	None					1	
81	Antenna Ev	None					93	
82	Antenna Eh (0 Deg)	None					62	
83	Antenna Eh (90 Deg)	None					62	
84	Structure Ev	ELY		-.042				8
85	Structure Eh (0 Deg)	ELZ			-.106			8
86	Structure Eh (90 Deg)	ELX	.106					8
87	BLC 39 Transient Area L...	None						206
88	BLC 40 Transient Area L...	None						206
89	BLC 84 Transient Area L...	None						206
90	BLC 85 Transient Area L...	None						206
91	BLC 86 Transient Area L...	None						206

Load Combinations

	Description	So...	P...	S...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1		
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1		
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1		
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1		
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1		
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1		
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1		
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1		
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1		
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1		
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1		
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1		
13	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1
14	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1
15	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1
16	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1
17	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1
18	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1
19	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1
20	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1
21	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1

Load Combinations (Continued)

Description	So.	P...	S...	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	
22 1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1				
23 1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1				
24 1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1				
25 1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1						
26 1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1						
27 1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1						
28 1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1						
29 1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1						
30 1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1						
31 1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1						
32 1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1						
33 1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1						
34 1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1						
35 1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1						
36 1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1						
37 1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1						
38 1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1						
39 1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1						
40 1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1						
41 1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1						
42 1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1						
43 1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1						
44 1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1						
45 1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1						
46 1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1						
47 1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1						
48 1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1						
49 1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5										
50 1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5										
51 1.4D	Yes	Y		1	1.4	39	1.4												
52 1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83	ELZ	1	ELX		
53 1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5
54 1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866
55 1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1
56 1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866
57 1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5
58 1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX	
59 1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5
60 1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866
61 1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1
62 1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	.866
63 1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5
64 0.9D - 1.0Ev + 1.0Eh (...)	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX	
65 0.9D - 1.0Ev + 1.0Eh (...)	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5
66 0.9D - 1.0Ev + 1.0Eh (...)	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866
67 0.9D - 1.0Ev + 1.0Eh (...)	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1
68 0.9D - 1.0Ev + 1.0Eh (...)	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866
69 0.9D - 1.0Ev + 1.0Eh (...)	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5
70 0.9D - 1.0Ev + 1.0Eh (...)	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX	
71 0.9D - 1.0Ev + 1.0Eh (...)	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5
72 0.9D - 1.0Ev + 1.0Eh (...)	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866
73 0.9D - 1.0Ev + 1.0Eh (...)	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1
74 0.9D - 1.0Ev + 1.0Eh (...)	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	.866
75 0.9D - 1.0Ev + 1.0Eh (...)	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5



Company :
 Designer :
 Job Number :
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Joint Coordinates and Temperatures

	Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Diap...
1	N1	0	0	0	0	
2	N2	1.395833	0	0	0	
3	N3	8.021667	0	0	0	
4	N4	5.334167	0	0	0	
5	N5	7.334167	0	0	0	
6	N6	5.5425	0	0	0	
7	N7	6.959167	0	0	0	
8	N8	5.5425	0	5.541667	0	
9	N9	5.5425	0	-5.541667	0	
10	N10	7.125833	0	0	0	
11	N11	7.125833	0	6.041667	0	
12	N12	7.125833	0	-6.041667	0	
13	N30	7.125833	0	-1.75	0	
14	N33	-0.	0	-1.395833	0	
15	N34	-0.	0	-8.021667	0	
16	N35	-0.	0	-5.334167	0	
17	N36	-0.	0	-7.334167	0	
18	N37	-0.	0	-5.541667	0	
19	N38	-0.	0	-6.959167	0	
20	N40	-5.541667	0	-5.5425	0	
21	N41	-0.	0	-7.125833	0	
22	N61	-1.75	0	-7.125833	0	
23	N64	-1.395833	0	0.	0	
24	N65	-8.021667	0	0.	0	
25	N66	-5.334167	0	0.	0	
26	N67	-7.334167	0	0.	0	
27	N68	-5.541667	0	0.	0	
28	N69	-6.959167	0	0.	0	
29	N71	-5.5425	0	5.541667	0	
30	N72	-7.125833	0	0.	0	
31	N92	-7.125833	0	1.75	0	
32	N95	0.	0	1.395833	0	
33	N96	0.	0	8.021667	0	
34	N97	0.	0	5.334167	0	
35	N98	0.	0	7.334167	0	
36	N99	0.	0	5.541667	0	
37	N100	0.	0	6.959167	0	
38	N103	0.	0	7.125833	0	
39	N108	-4.25	0	5.541667	0	
40	N109	-4.25	0	7.125833	0	
41	N110	-3.25	0	5.541667	0	
42	N111	-3.25	0	7.125833	0	
43	N112	-2.25	0	5.541667	0	
44	N113	-2.25	0	7.125833	0	
45	N114	-1.25	0	5.541667	0	
46	N115	-1.25	0	7.125833	0	
47	N123	1.75	0	7.125833	0	
48	N122A	6.041667	0	-7.125833	0	
49	N123A	-6.041667	0	-7.125833	0	
50	N124A	-7.125833	0	-6.041667	0	
51	N125A	-7.125833	0	6.041667	0	
52	N126	-6.041667	0	7.125833	0	
53	N127	6.041667	0	7.125833	0	
54	N127A	6.58375	0	6.58375	0	
55	N131	6.58375	0	-6.58375	0	
56	N135	-6.58375	0	-6.58375	0	
57	N139	-6.58375	0	6.58375	0	
58	N126A	7.125833	2.791667	0	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
59	N127B	7.125833	2.791667	6.25	0	
60	N128	7.125833	2.791667	-6.25	0	
61	N153	6.25	2.791667	-7.125833	0	
62	N154	-6.25	2.791667	-7.125833	0	
63	N179	-7.125833	2.791667	-6.25	0	
64	N180	-7.125833	2.791667	6.25	0	
65	N205	-6.25	2.791667	7.125833	0	
66	N206	6.25	2.791667	7.125833	0	
67	N207	5.25	2.791667	7.125833	0	
68	N209	-1.770833	2.791667	7.125833	0	
69	N211	5.25	2.791667	7.375833	0	
70	N213	-1.770833	2.791667	7.375833	0	
71	N215	5.25	0	7.125833	0	
72	N217	-1.770833	0	7.125833	0	
73	N219	5.25	0	7.375833	0	
74	N221	-1.770833	0	7.375833	0	
75	N223	5.25	4	7.375833	0	
76	N225	-1.770833	4	7.375833	0	
77	N227	5.25	-4	7.375833	0	
78	N229	-1.770833	-4	7.375833	0	
79	N231	7.125833	2.791667	-6	0	
80	N232	6	2.791667	-7.125833	0	
81	N233	6.875833	2.791667	-6	0	
82	N234	6	2.791667	-6.875833	0	
83	N235	-6	2.791667	-7.125833	0	
84	N236	-7.125833	2.791667	-6	0	
85	N237	-6	2.791667	-6.875833	0	
86	N238	-6.875833	2.791667	-6	0	
87	N239	-7.125833	2.791667	6	0	
88	N240	-6	2.791667	7.125833	0	
89	N241	-6.875833	2.791667	6	0	
90	N242	-6	2.791667	6.875833	0	
91	N243	6	2.791667	7.125833	0	
92	N244	7.125833	2.791667	6	0	
93	N245	6	2.791667	6.875833	0	
94	N246	6.875833	2.791667	6	0	
95	N279	5.5425	0	.25	0	
96	N280	7.125833	0	.25	0	
97	N281	5.5425	0	-.25	0	
98	N282	7.125833	0	-.25	0	
99	N285	.25	0	-5.541667	0	
100	N286	.25	0	-7.125833	0	
101	N287	-.25	0	-5.541667	0	
102	N288	-.25	0	-7.125833	0	
103	N291	-5.541667	0	-.25	0	
104	N292	-7.125833	0	-.25	0	
105	N293	-5.541667	0	.25	0	
106	N294	-7.125833	0	.25	0	
107	N297	-.25	0	5.541667	0	
108	N298	-.25	0	7.125833	0	
109	N299	.25	0	5.541667	0	
110	N300	.25	0	7.125833	0	
111	N272	0.	0	2.395833	0	
112	N273	.25	0	2.395833	0	
113	N274A	.25	2.5	2.395833	0	
114	N275	.25	-.5	2.395833	0	
115	N210A	7.125833	2.791667	-5.25	0	
116	N211A	7.125833	2.791667	-1.75	0	
117	N214A	7.375833	2.791667	-5.25	0	



Company :
 Designer :
 Job Number :
 Model Name :

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Joint Coordinates and Temperatures (Continued)

	Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Diap...
118	N215A	7.375833	2.791667	-1.75	0	
119	N218A	7.125833	0	-5.25	0	
120	N222A	7.375833	0	-5.25	0	
121	N223A	7.375833	0	-1.75	0	
122	N226A	7.375833	4	-5.25	0	
123	N227A	7.375833	4	-1.75	0	
124	N230A	7.375833	-4	-5.25	0	
125	N231A	7.375833	-4	-1.75	0	
126	N236A	-5.25	2.791667	-7.125833	0	
127	N237A	-1.75	2.791667	-7.125833	0	
128	N240A	-5.25	2.791667	-7.375833	0	
129	N241A	-1.75	2.791667	-7.375833	0	
130	N244A	-5.25	0	-7.125833	0	
131	N248	-5.25	0	-7.375833	0	
132	N249	-1.75	0	-7.375833	0	
133	N252	-5.25	4	-7.375833	0	
134	N253	-1.75	4	-7.375833	0	
135	N256	-5.25	-4	-7.375833	0	
136	N257	-1.75	-4	-7.375833	0	
137	N262	-7.125833	2.791667	5.25	0	
138	N263	-7.125833	2.791667	1.75	0	
139	N266	-7.375833	2.791667	5.25	0	
140	N267	-7.375833	2.791667	1.75	0	
141	N270	-7.125833	0	5.25	0	
142	N274	-7.375833	0	5.25	0	
143	N275A	-7.375833	0	1.75	0	
144	N278B	-7.375833	4	5.25	0	
145	N279B	-7.375833	4	1.75	0	
146	N282B	-7.375833	-4	5.25	0	
147	N283A	-7.375833	-4	1.75	0	
148	N284D	1.75	0	7.375833	0	
149	N285D	1.75	4	7.375833	0	
150	N286B	1.75	-4	7.375833	0	
151	N287C	1.75	2.791667	7.125833	0	
152	N288B	1.75	2.791667	7.375833	0	
153	N278C	-5.25	2.791667	7.125833	0	
154	N279C	-5.25	2.791667	7.375833	0	
155	N280C	-5.25	0	7.125833	0	
156	N281B	-5.25	0	7.375833	0	
157	N282C	-5.25	4	7.375833	0	
158	N283B	-5.25	-4	7.375833	0	
159	N272B	7.125833	2.791667	1.770833	0	
160	N273A	7.375833	2.791667	1.770833	0	
161	N274B	7.125833	0	1.770833	0	
162	N275B	7.375833	0	1.770833	0	
163	N276	7.375833	4	1.770833	0	
164	N277	7.375833	-4	1.770833	0	
165	N278	7.125833	2.791667	5.25	0	
166	N279A	7.375833	2.791667	5.25	0	
167	N280A	7.125833	0	5.25	0	
168	N281A	7.375833	0	5.25	0	
169	N282A	7.375833	4	5.25	0	
170	N283	7.375833	-4	5.25	0	
171	N285A	1.770833	2.791667	-7.125833	0	
172	N286C	1.770833	2.791667	-7.375833	0	
173	N287D	1.770833	0	-7.125833	0	
174	N288D	1.770833	0	-7.375833	0	
175	N289B	1.770833	4	-7.375833	0	
176	N290B	1.770833	-4	-7.375833	0	

Joint Coordinates and Temperatures (Continued)

	Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Diap...
177	N291B	5.25	2.791667	-7.125833	0	
178	N292B	5.25	2.791667	-7.375833	0	
179	N293B	5.25	0	-7.125833	0	
180	N294B	5.25	0	-7.375833	0	
181	N295A	5.25	4	-7.375833	0	
182	N296A	5.25	-4	-7.375833	0	
183	N272A	-7.125833	2.791667	-1.770833	0	
184	N273B	-7.375833	2.791667	-1.770833	0	
185	N274C	-7.125833	0	-1.770833	0	
186	N275C	-7.375833	0	-1.770833	0	
187	N276A	-7.375833	4	-1.770833	0	
188	N277A	-7.375833	-4	-1.770833	0	
189	N278A	-7.125833	2.791667	-5.25	0	
190	N279D	-7.375833	2.791667	-5.25	0	
191	N280B	-7.125833	0	-5.25	0	
192	N281C	-7.375833	0	-5.25	0	
193	N282D	-7.375833	4	-5.25	0	
194	N283C	-7.375833	-4	-5.25	0	
195	N273C	-5.25	0	5.541667	0	
196	N265	4.25	0	5.541667	0	
197	N266A	4.25	0	7.125833	0	
198	N267A	3.25	0	5.541667	0	
199	N268	3.25	0	7.125833	0	
200	N269	2.25	0	5.541667	0	
201	N270A	2.25	0	7.125833	0	
202	N271	1.25	0	5.541667	0	
203	N272C	1.25	0	7.125833	0	
204	N274E	5.25	0	5.541667	0	
205	N217A	5.541667	0	4.25	0	
206	N218	7.125833	0	4.25	0	
207	N219A	5.541667	0	3.25	0	
208	N220	7.125833	0	3.25	0	
209	N221A	5.541667	0	2.25	0	
210	N222	7.125833	0	2.25	0	
211	N223B	5.541667	0	1.25	0	
212	N224	7.125833	0	1.25	0	
213	N227B	5.541667	0	5.25	0	
214	N228	5.541667	0	-4.25	0	
215	N229A	7.125833	0	-4.25	0	
216	N230	5.541667	0	-3.25	0	
217	N231B	7.125833	0	-3.25	0	
218	N232A	5.541667	0	-2.25	0	
219	N233A	7.125833	0	-2.25	0	
220	N234A	5.541667	0	-1.25	0	
221	N235A	7.125833	0	-1.25	0	
222	N236B	5.541667	0	-5.25	0	
223	N237B	4.25	0	-5.541667	0	
224	N238A	4.25	0	-7.125833	0	
225	N239A	3.25	0	-5.541667	0	
226	N240B	3.25	0	-7.125833	0	
227	N241B	2.25	0	-5.541667	0	
228	N242A	2.25	0	-7.125833	0	
229	N243A	1.25	0	-5.541667	0	
230	N244B	1.25	0	-7.125833	0	
231	N247	5.25	0	-5.541667	0	
232	N248A	-4.25	0	-5.541667	0	
233	N249A	-4.25	0	-7.125833	0	
234	N250	-3.25	0	-5.541667	0	
235	N251	-3.25	0	-7.125833	0	

Joint Coordinates and Temperatures (Continued)

	Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Diap...
236	N252A	-2.25	0	-5.541667	0	
237	N253A	-2.25	0	-7.125833	0	
238	N254	-1.25	0	-5.541667	0	
239	N255	-1.25	0	-7.125833	0	
240	N256A	-5.25	0	-5.541667	0	
241	N257A	-5.541667	0	-4.25	0	
242	N258	-7.125833	0	-4.25	0	
243	N259	-5.541667	0	-3.25	0	
244	N260	-7.125833	0	-3.25	0	
245	N261	-5.541667	0	-2.25	0	
246	N262A	-7.125833	0	-2.25	0	
247	N263B	-5.541667	0	-1.25	0	
248	N264A	-7.125833	0	-1.25	0	
249	N267B	-5.541667	0	-5.25	0	
250	N268A	-5.541667	0	4.25	0	
251	N269A	-7.125833	0	4.25	0	
252	N270B	-5.541667	0	3.25	0	
253	N271A	-7.125833	0	3.25	0	
254	N272D	-5.541667	0	2.25	0	
255	N273D	-7.125833	0	2.25	0	
256	N274F	-5.541667	0	1.25	0	
257	N275E	-7.125833	0	1.25	0	
258	N276B	-5.541667	0	5.25	0	
259	N267C	5.25	1.791667	-7.375833	0	
260	N268B	5.25	-1.208333	-7.375833	0	
261	N269B	5.25	1.791667	-7.875833	0	
262	N270C	5.25	-1.208333	-7.875833	0	
263	N271B	5.25	4	-7.875833	0	
264	N272E	5.25	-4	-7.875833	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Ivy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Support Rail	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
3	Standoff Horizontal	HSS5X3X8	Beam	Tube	A500 Gr. B ..	Typical	6.02	7.18	16.4	17.6
4	TES FH Channel	C5X9	Beam	Channel	A36 Gr.36	Typical	2.64	.624	8.89	.109
5	TES WT stiffeners	L4X4X4	Beam	RECT	A36 Gr.36	Typical	1.93	3	3	.044
6	standoff sleeve	HSS6X4X6	Beam	Tube	A500 Gr. B ..	Typical	6.18	14.9	28.3	32.8
7	TES corner angle	L5X5X5	Beam	Single Angle	A36 Gr.36	Typical	3.07	7.44	7.44	.108
8	Antenna Pipe2	PIPE 2.5	Column	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
9	center plate	PL1/4x2	Column	BAR	A36 Gr.36	Typical	.5	.003	.167	.01
10	WT Stiffernes	PIPE 2.0X	Column	W Tee	A36 Gr.36	Typical	1.4	.827	.827	1.65
11	FH	C5.56x2.063x0.25	Column	Channel	A36 Gr.36	Typical	2.188	.812	9.164	.045
12	Corner Angle	L2x2x4	Column	Channel	A36 Gr.36	Typical	.944	.346	.346	.021
13	OVP pipe	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
14	Standoff Plates	PL1/4x4.375	Column	None	A36 Gr.36	Typical	1.094	.006	1.745	.022
15	TES FH SH	HSS5.5X5.5X4	Column	None	A36 Gr.36	Typical	4.77	21.7	21.7	34.8

Hot Rolled Steel Properties

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



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Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N2	N4			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
2	M2	N5	N3			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
3	M3	N4	N5			standoff sleeve	Beam	Tube	A500 Gr. ...	Typical
4	M4	N8	N6			FH	Column	Channel	A36 Gr.36	Typical
5	M5	N6	N9			FH	Column	Channel	A36 Gr.36	Typical
6	M6	N11	N10		180	FH	Column	Channel	A36 Gr.36	Typical
7	M7	N10	N12		180	FH	Column	Channel	A36 Gr.36	Typical
8	M18	N33	N35			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
9	M19	N36	N34			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
10	M20	N35	N36			standoff sleeve	Beam	Tube	A500 Gr. ...	Typical
11	M21	N9	N37			FH	Column	Channel	A36 Gr.36	Typical
12	M22	N37	N40			FH	Column	Channel	A36 Gr.36	Typical
13	M23	N122A	N41		180	FH	Column	Channel	A36 Gr.36	Typical
14	M24	N41	N123A		180	FH	Column	Channel	A36 Gr.36	Typical
15	M35	N64	N66			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
16	M36	N67	N65			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
17	M37	N66	N67			standoff sleeve	Beam	Tube	A500 Gr. ...	Typical
18	M38	N40	N68			FH	Column	Channel	A36 Gr.36	Typical
19	M39	N68	N71			FH	Column	Channel	A36 Gr.36	Typical
20	M40	N124A	N72		180	FH	Column	Channel	A36 Gr.36	Typical
21	M41	N72	N125A		180	FH	Column	Channel	A36 Gr.36	Typical
22	M52	N95	N97			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
23	M53	N98	N96			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
24	M54	N97	N98			standoff sleeve	Beam	Tube	A500 Gr. ...	Typical
25	M55	N71	N99			FH	Column	Channel	A36 Gr.36	Typical
26	M56	N99	N8			FH	Column	Channel	A36 Gr.36	Typical
27	M57	N126	N103		180	FH	Column	Channel	A36 Gr.36	Typical
28	M58	N103	N127		180	FH	Column	Channel	A36 Gr.36	Typical
29	M60	N108	N109		90	Standoff Plates	Column	None	A36 Gr.36	Typical
30	M61	N110	N111		90	Standoff Plates	Column	None	A36 Gr.36	Typical
31	M62	N112	N113		90	Standoff Plates	Column	None	A36 Gr.36	Typical
32	M63	N114	N115		90	Standoff Plates	Column	None	A36 Gr.36	Typical
33	M69	N127	N11		180	FH	Column	Channel	A36 Gr.36	Typical
34	M70	N8	N127A		90	Standoff Plates	Column	None	A36 Gr.36	Typical
35	M71	N12	N122A		180	FH	Column	Channel	A36 Gr.36	Typical
36	M72	N9	N131		90	Standoff Plates	Column	None	A36 Gr.36	Typical
37	M73	N123A	N124A		180	FH	Column	Channel	A36 Gr.36	Typical
38	M74	N40	N135		90	Standoff Plates	Column	None	A36 Gr.36	Typical
39	M75	N125A	N126		180	FH	Column	Channel	A36 Gr.36	Typical
40	M76	N71	N139		90	Standoff Plates	Column	None	A36 Gr.36	Typical
41	M77	N127B	N128			Support Rail	Column	Pipe	A53 Gr. B	Typical
42	M90	N153	N154			Support Rail	Column	Pipe	A53 Gr. B	Typical
43	M103	N179	N180			Support Rail	Column	Pipe	A53 Gr. B	Typical
44	M116	N205	N206			Support Rail	Column	Pipe	A53 Gr. B	Typical
45	M119	N217	N221			RIGID	None	None	RIGID	Typical
46	M122	N209	N213			RIGID	None	None	RIGID	Typical
47	M123	N215	N219			RIGID	None	None	RIGID	Typical
48	M124	N207	N211			RIGID	None	None	RIGID	Typical
49	MP3A	N225	N229			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
50	MP1A	N223	N227			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
51	M129	N233	N234		180	Corner Angle	Column	Channel	A36 Gr.36	Typical
52	M130	N234	N232			RIGID	None	None	RIGID	Typical
53	M131	N233	N231			RIGID	None	None	RIGID	Typical
54	M132	N237	N238		180	Corner Angle	Column	Channel	A36 Gr.36	Typical
55	M133	N238	N236			RIGID	None	None	RIGID	Typical
56	M134	N237	N235			RIGID	None	None	RIGID	Typical
57	M135	N241	N242		180	Corner Angle	Column	Channel	A36 Gr.36	Typical
58	M136	N242	N240			RIGID	None	None	RIGID	Typical



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	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
59	M137	N241	N239			RIGID	None	None	RIGID	Typical
60	M138	N245	N246		180	Corner Angle	Column	Channel	A36 Gr.36	Typical
61	M139	N246	N244			RIGID	None	None	RIGID	Typical
62	M140	N245	N243			RIGID	None	None	RIGID	Typical
63	M141	N279	N280		90	center plate	Column	BAR	A36 Gr.36	Typical
64	M142	N281	N282		90	center plate	Column	BAR	A36 Gr.36	Typical
65	M143	N285	N286		90	center plate	Column	BAR	A36 Gr.36	Typical
66	M144	N287	N288		90	center plate	Column	BAR	A36 Gr.36	Typical
67	M145	N291	N292		90	center plate	Column	BAR	A36 Gr.36	Typical
68	M146	N293	N294		90	center plate	Column	BAR	A36 Gr.36	Typical
69	M147	N297	N298		90	center plate	Column	BAR	A36 Gr.36	Typical
70	M148	N299	N300		90	center plate	Column	BAR	A36 Gr.36	Typical
71	M149	N272	N273			RIGID	None	None	RIGID	Typical
72	OVP1	N274A	N275			OVP pipe	Column	Pipe	A53 Gr. B	Typical
73	M126	N30	N223A			RIGID	None	None	RIGID	Typical
74	M127	N211A	N215A			RIGID	None	None	RIGID	Typical
75	M129A	N218A	N222A			RIGID	None	None	RIGID	Typical
76	M130A	N210A	N214A			RIGID	None	None	RIGID	Typical
77	MP2D	N227A	N231A			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
78	MP1D	N226A	N230A			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
79	M138A	N61	N249			RIGID	None	None	RIGID	Typical
80	M139A	N237A	N241A			RIGID	None	None	RIGID	Typical
81	M141A	N244A	N248			RIGID	None	None	RIGID	Typical
82	M142A	N236A	N240A			RIGID	None	None	RIGID	Typical
83	MP2C	N253	N257			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
84	MP1C	N252	N256			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
85	M150	N92	N275A			RIGID	None	None	RIGID	Typical
86	M151A	N263	N267			RIGID	None	None	RIGID	Typical
87	M153A	N270	N274			RIGID	None	None	RIGID	Typical
88	M154	N262	N266			RIGID	None	None	RIGID	Typical
89	MP2B	N279B	N283A			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
90	MP1B	N278B	N282B			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
91	M160A	N123	N284D			RIGID	None	None	RIGID	Typical
92	MP2A	N285D	N286B			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
93	M162A	N287C	N288B			RIGID	None	None	RIGID	Typical
94	M157	N280C	N281B			RIGID	None	None	RIGID	Typical
95	M158	N278C	N279C			RIGID	None	None	RIGID	Typical
96	MP4A	N282C	N283B			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
97	MP3D	N276	N277			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
98	MP3C	N289B	N290B			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
99	MP5C	N295A	N296A			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
100	MP3B	N276A	N277A			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
101	MP4B	N282D	N283C			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
102	MP4D	N282A	N283			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
103	M155A	N274B	N275B			RIGID	None	None	RIGID	Typical
104	M156	N272B	N273A			RIGID	None	None	RIGID	Typical
105	M157B	N280A	N281A			RIGID	None	None	RIGID	Typical
106	M158B	N278	N279A			RIGID	None	None	RIGID	Typical
107	M159	N287D	N288D			RIGID	None	None	RIGID	Typical
108	M160B	N285A	N286C			RIGID	None	None	RIGID	Typical
109	M161A	N293B	N294B			RIGID	None	None	RIGID	Typical
110	M162	N291B	N292B			RIGID	None	None	RIGID	Typical
111	M155B	N274C	N275C			RIGID	None	None	RIGID	Typical
112	M156A	N272A	N273B			RIGID	None	None	RIGID	Typical
113	M157A	N280B	N281C			RIGID	None	None	RIGID	Typical
114	M158A	N278A	N279D			RIGID	None	None	RIGID	Typical
115	M156B	N273C	N280C		90	Standoff Plates	Column	None	A36 Gr.36	Typical
116	M152	N265	N266A		90	Standoff Plates	Column	None	A36 Gr.36	Typical
117	M153	N267A	N268		90	Standoff Plates	Column	None	A36 Gr.36	Typical



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	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
118	M154A	N269	N270A		90	Standoff Plates	Column	None	A36 Gr.36	Typical
119	M155C	N271	N272C		90	Standoff Plates	Column	None	A36 Gr.36	Typical
120	M156C	N274E	N215		90	Standoff Plates	Column	None	A36 Gr.36	Typical
121	M127A	N217A	N218		90	Standoff Plates	Column	None	A36 Gr.36	Typical
122	M128	N219A	N220		90	Standoff Plates	Column	None	A36 Gr.36	Typical
123	M129B	N221A	N222		90	Standoff Plates	Column	None	A36 Gr.36	Typical
124	M130B	N223B	N224		90	Standoff Plates	Column	None	A36 Gr.36	Typical
125	M131A	N227B	N280A		90	Standoff Plates	Column	None	A36 Gr.36	Typical
126	M132A	N228	N229A		90	Standoff Plates	Column	None	A36 Gr.36	Typical
127	M133A	N230	N231B		90	Standoff Plates	Column	None	A36 Gr.36	Typical
128	M134A	N232A	N233A		90	Standoff Plates	Column	None	A36 Gr.36	Typical
129	M135A	N234A	N235A		90	Standoff Plates	Column	None	A36 Gr.36	Typical
130	M136A	N236B	N218A		90	Standoff Plates	Column	None	A36 Gr.36	Typical
131	M137A	N237B	N238A		90	Standoff Plates	Column	None	A36 Gr.36	Typical
132	M138B	N239A	N240B		90	Standoff Plates	Column	None	A36 Gr.36	Typical
133	M139B	N241B	N242A		90	Standoff Plates	Column	None	A36 Gr.36	Typical
134	M140A	N243A	N244B		90	Standoff Plates	Column	None	A36 Gr.36	Typical
135	M141B	N247	N293B		90	Standoff Plates	Column	None	A36 Gr.36	Typical
136	M142B	N248A	N249A		90	Standoff Plates	Column	None	A36 Gr.36	Typical
137	M143A	N250	N251		90	Standoff Plates	Column	None	A36 Gr.36	Typical
138	M144A	N252A	N253A		90	Standoff Plates	Column	None	A36 Gr.36	Typical
139	M145A	N254	N255		90	Standoff Plates	Column	None	A36 Gr.36	Typical
140	M146A	N256A	N244A		90	Standoff Plates	Column	None	A36 Gr.36	Typical
141	M147A	N257A	N258		90	Standoff Plates	Column	None	A36 Gr.36	Typical
142	M148A	N259	N260		90	Standoff Plates	Column	None	A36 Gr.36	Typical
143	M149A	N261	N262A		90	Standoff Plates	Column	None	A36 Gr.36	Typical
144	M150B	N263B	N264A		90	Standoff Plates	Column	None	A36 Gr.36	Typical
145	M151	N267B	N280B		90	Standoff Plates	Column	None	A36 Gr.36	Typical
146	M152A	N268A	N269A		90	Standoff Plates	Column	None	A36 Gr.36	Typical
147	M153B	N270B	N271A		90	Standoff Plates	Column	None	A36 Gr.36	Typical
148	M154B	N272D	N273D		90	Standoff Plates	Column	None	A36 Gr.36	Typical
149	M155D	N274F	N275E		90	Standoff Plates	Column	None	A36 Gr.36	Typical
150	M156D	N276B	N270		90	Standoff Plates	Column	None	A36 Gr.36	Typical
151	M157C	N108	N109		90	Standoff Plates	Column	None	A36 Gr.36	Typical
152	M158C	N110	N111		90	Standoff Plates	Column	None	A36 Gr.36	Typical
153	M159A	N112	N113		90	Standoff Plates	Column	None	A36 Gr.36	Typical
154	M160	N114	N115		90	Standoff Plates	Column	None	A36 Gr.36	Typical
155	M161	N273C	N280C		90	Standoff Plates	Column	None	A36 Gr.36	Typical
156	M162B	N265	N266A		90	Standoff Plates	Column	None	A36 Gr.36	Typical
157	M163A	N267A	N268		90	Standoff Plates	Column	None	A36 Gr.36	Typical
158	M164A	N269	N270A		90	Standoff Plates	Column	None	A36 Gr.36	Typical
159	M165	N271	N272C		90	Standoff Plates	Column	None	A36 Gr.36	Typical
160	M166	N274E	N215		90	Standoff Plates	Column	None	A36 Gr.36	Typical
161	M165A	N267C	N269B			RIGID	None	None	RIGID	Typical
162	M166A	N268B	N270C			RIGID	None	None	RIGID	Typical
163	MP4C	N271B	N272E			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat.	Analysis ...	Inactive	Seismic...
1	M1						Yes	Default			None
2	M2						Yes				None
3	M3						Yes				None
4	M4	BenPIN					Yes	** NA **			None
5	M5		BenPIN				Yes	** NA **			None
6	M6						Yes	** NA **			None
7	M7						Yes	** NA **			None
8	M18						Yes	Default			None



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	Label	I Release	J Release	I Offset(in)	J Offset(in)	T/C Only	Physical	Defl Rat.	Analysis ...	Inactive	Seismic...
9	M19						Yes				None
10	M20						Yes				None
11	M21	BenPIN					Yes	** NA **			None
12	M22		BenPIN				Yes	** NA **			None
13	M23						Yes	** NA **			None
14	M24						Yes	** NA **			None
15	M35						Yes	Default			None
16	M36						Yes				None
17	M37						Yes				None
18	M38	BenPIN					Yes	** NA **			None
19	M39		BenPIN				Yes	** NA **			None
20	M40						Yes	** NA **			None
21	M41						Yes	** NA **			None
22	M52						Yes	Default			None
23	M53						Yes				None
24	M54						Yes				None
25	M55	BenPIN					Yes	** NA **			None
26	M56		BenPIN				Yes	** NA **			None
27	M57						Yes	** NA **			None
28	M58						Yes	** NA **			None
29	M60						Yes	** NA **			None
30	M61						Yes	** NA **			None
31	M62						Yes	** NA **			None
32	M63						Yes	** NA **			None
33	M69	BenPIN	BenPIN				Yes	** NA **			None
34	M70						Yes	** NA **			None
35	M71	BenPIN	BenPIN				Yes	** NA **			None
36	M72						Yes	** NA **			None
37	M73	BenPIN	BenPIN				Yes	** NA **			None
38	M74						Yes	** NA **			None
39	M75	BenPIN	BenPIN				Yes	** NA **			None
40	M76						Yes	** NA **			None
41	M77						Yes	** NA **			None
42	M90						Yes	** NA **			None
43	M103						Yes	** NA **			None
44	M116						Yes	** NA **			None
45	M119						Yes	** NA **			None
46	M122						Yes	** NA **			None
47	M123						Yes	** NA **			None
48	M124						Yes	** NA **			None
49	MP3A						Yes	** NA **			None
50	MP1A						Yes	** NA **			None
51	M129						Yes	** NA **			None
52	M130		000000				Yes	** NA **			None
53	M131		000000				Yes	** NA **			None
54	M132						Yes	** NA **			None
55	M133		000000				Yes	** NA **			None
56	M134		000000				Yes	** NA **			None
57	M135						Yes	** NA **			None
58	M136		000000				Yes	** NA **			None
59	M137		000000				Yes	** NA **			None
60	M138						Yes	** NA **			None
61	M139		000000				Yes	** NA **			None
62	M140		000000				Yes	** NA **			None
63	M141						Yes	** NA **			None
64	M142						Yes	** NA **			None
65	M143						Yes	** NA **			None
66	M144						Yes	** NA **			None
67	M145						Yes	** NA **			None



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	Label	I Release	J Release	I Offset(in)	J Offset(in)	T/C Only	Physical	Defl Rat.	Analysis ...	Inactive	Seismic...
68	M146						Yes	** NA **			None
69	M147						Yes	** NA **			None
70	M148						Yes	** NA **			None
71	M149						Yes	** NA **			None
72	OVP1						Yes	** NA **			None
73	M126						Yes	** NA **			None
74	M127						Yes	** NA **			None
75	M129A						Yes	** NA **			None
76	M130A						Yes	** NA **			None
77	MP2D						Yes	** NA **			None
78	MP1D						Yes	** NA **			None
79	M138A						Yes	** NA **			None
80	M139A						Yes	** NA **			None
81	M141A						Yes	** NA **			None
82	M142A						Yes	** NA **			None
83	MP2C						Yes	** NA **			None
84	MP1C						Yes	** NA **			None
85	M150						Yes	** NA **			None
86	M151A						Yes	** NA **			None
87	M153A						Yes	** NA **			None
88	M154						Yes	** NA **			None
89	MP2B						Yes	** NA **			None
90	MP1B						Yes	** NA **			None
91	M160A						Yes	** NA **			None
92	MP2A						Yes	** NA **			None
93	M162A						Yes	** NA **			None
94	M157						Yes	** NA **			None
95	M158						Yes	** NA **			None
96	MP4A						Yes	** NA **			None
97	MP3D						Yes	** NA **			None
98	MP3C						Yes	** NA **			None
99	MP5C						Yes	** NA **			None
100	MP3B						Yes	** NA **			None
101	MP4B						Yes	** NA **			None
102	MP4D						Yes	** NA **			None
103	M155A						Yes	** NA **			None
104	M156						Yes	** NA **			None
105	M157B						Yes	** NA **			None
106	M158B						Yes	** NA **			None
107	M159						Yes	** NA **			None
108	M160B						Yes	** NA **			None
109	M161A						Yes	** NA **			None
110	M162						Yes	** NA **			None
111	M155B						Yes	** NA **			None
112	M156A						Yes	** NA **			None
113	M157A						Yes	** NA **			None
114	M158A						Yes	** NA **			None
115	M156B						Yes	** NA **			None
116	M152						Yes	** NA **			None
117	M153						Yes	** NA **			None
118	M154A						Yes	** NA **			None
119	M155C						Yes	** NA **			None
120	M156C						Yes	** NA **			None
121	M127A						Yes	** NA **			None
122	M128						Yes	** NA **			None
123	M129B						Yes	** NA **			None
124	M130B						Yes	** NA **			None
125	M131A						Yes	** NA **			None
126	M132A						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset(in)	J Offset(in)	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
127	M133A						Yes	** NA **			None
128	M134A						Yes	** NA **			None
129	M135A						Yes	** NA **			None
130	M136A						Yes	** NA **			None
131	M137A						Yes	** NA **			None
132	M138B						Yes	** NA **			None
133	M139B						Yes	** NA **			None
134	M140A						Yes	** NA **			None
135	M141B						Yes	** NA **			None
136	M142B						Yes	** NA **			None
137	M143A						Yes	** NA **			None
138	M144A						Yes	** NA **			None
139	M145A						Yes	** NA **			None
140	M146A						Yes	** NA **			None
141	M147A						Yes	** NA **			None
142	M148A						Yes	** NA **			None
143	M149A						Yes	** NA **			None
144	M150B						Yes	** NA **			None
145	M151						Yes	** NA **			None
146	M152A						Yes	** NA **			None
147	M153B						Yes	** NA **			None
148	M154B						Yes	** NA **			None
149	M155D						Yes	** NA **			None
150	M156D						Yes	** NA **			None
151	M157C						Yes	** NA **			None
152	M158C						Yes	** NA **			None
153	M159A						Yes	** NA **			None
154	M160						Yes	** NA **			None
155	M161						Yes	** NA **			None
156	M162B						Yes	** NA **			None
157	M163A						Yes	** NA **			None
158	M164A						Yes	** NA **			None
159	M165						Yes	** NA **			None
160	M166						Yes	** NA **			None
161	M165A						Yes	** NA **			None
162	M166A						Yes	** NA **			None
163	MP4C						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	Y	-28.65	3.5
2	MP2C	My	.024	3.5
3	MP2C	Mz	.002	3.5
4	MP2C	Y	-28.65	4.5
5	MP2C	My	.024	4.5
6	MP2C	Mz	.002	4.5
7	MP4A	Y	-28.65	3.5
8	MP4A	My	-.024	3.5
9	MP4A	Mz	0	3.5
10	MP4A	Y	-28.65	4.5
11	MP4A	My	-.024	4.5
12	MP4A	Mz	0	4.5
13	MP2A	Y	-38.5	1.5
14	MP2A	My	-.032	1.5
15	MP2A	Mz	.019	1.5
16	MP2A	Y	-38.5	6.5
17	MP2A	My	-.032	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
18	MP2A	Mz	.019	6.5
19	MP2A	Y	-38.5	1.5
20	MP2A	My	-.032	1.5
21	MP2A	Mz	-.019	1.5
22	MP2A	Y	-38.5	6.5
23	MP2A	My	-.032	6.5
24	MP2A	Mz	-.019	6.5
25	MP1C	Y	-62	1.5
26	MP1C	My	.066	1.5
27	MP1C	Mz	.031	1.5
28	MP1C	Y	-62	6.5
29	MP1C	My	.066	6.5
30	MP1C	Mz	.031	6.5
31	MP1C	Y	-62	1.5
32	MP1C	My	.031	1.5
33	MP1C	Mz	-.066	1.5
34	MP1C	Y	-62	6.5
35	MP1C	My	.031	6.5
36	MP1C	Mz	-.066	6.5
37	MP4C	Y	-62	1.5
38	MP4C	My	.019	1.5
39	MP4C	Mz	.071	1.5
40	MP4C	Y	-62	6.5
41	MP4C	My	.019	6.5
42	MP4C	Mz	.071	6.5
43	MP4C	Y	-62	1.5
44	MP4C	My	.071	1.5
45	MP4C	Mz	-.019	1.5
46	MP4C	Y	-62	6.5
47	MP4C	My	.071	6.5
48	MP4C	Mz	-.019	6.5
49	MP3A	Y	-74.7	2
50	MP3A	My	.037	2
51	MP3A	Mz	0	2
52	MP3C	Y	-74.7	2
53	MP3C	My	-.032	2
54	MP3C	Mz	-.019	2
55	MP4B	Y	-74.7	2
56	MP4B	My	-.037	2
57	MP4B	Mz	0	2
58	MP1C	Y	-79.1	2
59	MP1C	My	-.037	2
60	MP1C	Mz	.014	2
61	MP2A	Y	-79.1	2
62	MP2A	My	.04	2
63	MP2A	Mz	0	2
64	MP5C	Y	-79.1	2
65	MP5C	My	-.034	2
66	MP5C	Mz	-.02	2
67	OVP1	Y	-32	1
68	OVP1	My	0	1
69	OVP1	Mz	0	1
70	MP4D	Y	-38.5	1.5
71	MP4D	My	-.037	1.5
72	MP4D	Mz	.026	1.5
73	MP4D	Y	-38.5	6.5
74	MP4D	My	-.037	6.5
75	MP4D	Mz	.026	6.5
76	MP4D	Y	-38.5	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
77	MP4D	My	.026	1.5
78	MP4D	Mz	.037	1.5
79	MP4D	Y	-38.5	6.5
80	MP4D	My	.026	6.5
81	MP4D	Mz	.037	6.5
82	MP2D	Y	-28.65	3.5
83	MP2D	My	-.004	3.5
84	MP2D	Mz	.024	3.5
85	MP2D	Y	-28.65	4.5
86	MP2D	My	-.004	4.5
87	MP2D	Mz	.024	4.5
88	MP3D	Y	-74.7	2
89	MP3D	My	.006	2
90	MP3D	Mz	-.037	2
91	MP4D	Y	-79.1	2
92	MP4D	My	.007	2
93	MP4D	Mz	-.039	2

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	Y	-29.749	3.5
2	MP2C	My	.025	3.5
3	MP2C	Mz	.002	3.5
4	MP2C	Y	-29.749	4.5
5	MP2C	My	.025	4.5
6	MP2C	Mz	.002	4.5
7	MP4A	Y	-29.749	3.5
8	MP4A	My	-.025	3.5
9	MP4A	Mz	0	3.5
10	MP4A	Y	-29.749	4.5
11	MP4A	My	-.025	4.5
12	MP4A	Mz	0	4.5
13	MP2A	Y	-81.937	1.5
14	MP2A	My	-.068	1.5
15	MP2A	Mz	.041	1.5
16	MP2A	Y	-81.937	6.5
17	MP2A	My	-.068	6.5
18	MP2A	Mz	.041	6.5
19	MP2A	Y	-81.937	1.5
20	MP2A	My	-.068	1.5
21	MP2A	Mz	-.041	1.5
22	MP2A	Y	-81.937	6.5
23	MP2A	My	-.068	6.5
24	MP2A	Mz	-.041	6.5
25	MP1C	Y	-125.865	1.5
26	MP1C	My	.134	1.5
27	MP1C	Mz	.063	1.5
28	MP1C	Y	-125.865	6.5
29	MP1C	My	.134	6.5
30	MP1C	Mz	.063	6.5
31	MP1C	Y	-125.865	1.5
32	MP1C	My	.063	1.5
33	MP1C	Mz	-.134	1.5
34	MP1C	Y	-125.865	6.5
35	MP1C	My	.063	6.5
36	MP1C	Mz	-.134	6.5
37	MP4C	Y	-125.865	1.5
38	MP4C	My	.038	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
39	MP4C	Mz	.143	1.5
40	MP4C	Y	-125.865	6.5
41	MP4C	My	.038	6.5
42	MP4C	Mz	.143	6.5
43	MP4C	Y	-125.865	1.5
44	MP4C	My	.143	1.5
45	MP4C	Mz	-.038	1.5
46	MP4C	Y	-125.865	6.5
47	MP4C	My	.143	6.5
48	MP4C	Mz	-.038	6.5
49	MP3A	Y	-44.855	2
50	MP3A	My	.022	2
51	MP3A	Mz	0	2
52	MP3C	Y	-44.855	2
53	MP3C	My	-.019	2
54	MP3C	Mz	-.011	2
55	MP4B	Y	-44.855	2
56	MP4B	My	-.022	2
57	MP4B	Mz	0	2
58	MP1C	Y	-45.33	2
59	MP1C	My	-.021	2
60	MP1C	Mz	.008	2
61	MP2A	Y	-45.33	2
62	MP2A	My	.023	2
63	MP2A	Mz	0	2
64	MP5C	Y	-45.33	2
65	MP5C	My	-.02	2
66	MP5C	Mz	-.011	2
67	OVP1	Y	-87.827	1
68	OVP1	My	0	1
69	OVP1	Mz	0	1
70	MP4D	Y	-81.937	1.5
71	MP4D	My	-.079	1.5
72	MP4D	Mz	.055	1.5
73	MP4D	Y	-81.937	6.5
74	MP4D	My	-.079	6.5
75	MP4D	Mz	.055	6.5
76	MP4D	Y	-81.937	1.5
77	MP4D	My	.055	1.5
78	MP4D	Mz	.079	1.5
79	MP4D	Y	-81.937	6.5
80	MP4D	My	.055	6.5
81	MP4D	Mz	.079	6.5
82	MP2D	Y	-29.749	3.5
83	MP2D	My	-.004	3.5
84	MP2D	Mz	.024	3.5
85	MP2D	Y	-29.749	4.5
86	MP2D	My	-.004	4.5
87	MP2D	Mz	.024	4.5
88	MP3D	Y	-44.855	2
89	MP3D	My	.004	2
90	MP3D	Mz	-.022	2
91	MP4D	Y	-45.33	2
92	MP4D	My	.004	2
93	MP4D	Mz	-.022	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
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Member Point Loads (BLC 3 : Antenna Wo (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	0	3.5
2	MP2C	Z	-52.123	3.5
3	MP2C	Mx	-.004	3.5
4	MP2C	X	0	4.5
5	MP2C	Z	-52.123	4.5
6	MP2C	Mx	-.004	4.5
7	MP4A	X	0	3.5
8	MP4A	Z	-52.381	3.5
9	MP4A	Mx	0	3.5
10	MP4A	X	0	4.5
11	MP4A	Z	-52.381	4.5
12	MP4A	Mx	0	4.5
13	MP2A	X	0	1.5
14	MP2A	Z	-192.452	1.5
15	MP2A	Mx	-.096	1.5
16	MP2A	X	0	6.5
17	MP2A	Z	-192.452	6.5
18	MP2A	Mx	-.096	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	-192.452	1.5
21	MP2A	Mx	.096	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	-192.452	6.5
24	MP2A	Mx	.096	6.5
25	MP1C	X	0	1.5
26	MP1C	Z	-149.709	1.5
27	MP1C	Mx	-.075	1.5
28	MP1C	X	0	6.5
29	MP1C	Z	-149.709	6.5
30	MP1C	Mx	-.075	6.5
31	MP1C	X	0	1.5
32	MP1C	Z	-149.709	1.5
33	MP1C	Mx	.16	1.5
34	MP1C	X	0	6.5
35	MP1C	Z	-149.709	6.5
36	MP1C	Mx	.16	6.5
37	MP4C	X	0	1.5
38	MP4C	Z	-138.993	1.5
39	MP4C	Mx	-.158	1.5
40	MP4C	X	0	6.5
41	MP4C	Z	-138.993	6.5
42	MP4C	Mx	-.158	6.5
43	MP4C	X	0	1.5
44	MP4C	Z	-138.993	1.5
45	MP4C	Mx	.042	1.5
46	MP4C	X	0	6.5
47	MP4C	Z	-138.993	6.5
48	MP4C	Mx	.042	6.5
49	MP3A	X	0	2
50	MP3A	Z	-51.387	2
51	MP3A	Mx	0	2
52	MP3C	X	0	2
53	MP3C	Z	-47.16	2
54	MP3C	Mx	.012	2
55	MP4B	X	0	2
56	MP4B	Z	-51.387	2
57	MP4B	Mx	0	2
58	MP1C	X	0	2
59	MP1C	Z	-59.688	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
60	MP1C	Mx	-.01	2
61	MP2A	X	0	2
62	MP2A	Z	-61.996	2
63	MP2A	Mx	0	2
64	MP5C	X	0	2
65	MP5C	Z	-57.064	2
66	MP5C	Mx	.014	2
67	OVP1	X	0	1
68	OVP1	Z	-104.335	1
69	OVP1	Mx	0	1
70	MP4D	X	0	1.5
71	MP4D	Z	-133.711	1.5
72	MP4D	Mx	-.09	1.5
73	MP4D	X	0	6.5
74	MP4D	Z	-133.711	6.5
75	MP4D	Mx	-.09	6.5
76	MP4D	X	0	1.5
77	MP4D	Z	-133.711	1.5
78	MP4D	Mx	-.129	1.5
79	MP4D	X	0	6.5
80	MP4D	Z	-133.711	6.5
81	MP4D	Mx	-.129	6.5
82	MP2D	X	0	3.5
83	MP2D	Z	-19.424	3.5
84	MP2D	Mx	-.016	3.5
85	MP2D	X	0	4.5
86	MP2D	Z	-19.424	4.5
87	MP2D	Mx	-.016	4.5
88	MP3D	X	0	2
89	MP3D	Z	-34.989	2
90	MP3D	Mx	.017	2
91	MP4D	X	0	2
92	MP4D	Z	-42.865	2
93	MP4D	Mx	.021	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	23.156	3.5
2	MP2C	Z	-40.107	3.5
3	MP2C	Mx	.016	3.5
4	MP2C	X	23.156	4.5
5	MP2C	Z	-40.107	4.5
6	MP2C	Mx	.016	4.5
7	MP4A	X	21.943	3.5
8	MP4A	Z	-38.006	3.5
9	MP4A	Mx	-.018	3.5
10	MP4A	X	21.943	4.5
11	MP4A	Z	-38.006	4.5
12	MP4A	Mx	-.018	4.5
13	MP2A	X	88.655	1.5
14	MP2A	Z	-153.555	1.5
15	MP2A	Mx	-.151	1.5
16	MP2A	X	88.655	6.5
17	MP2A	Z	-153.555	6.5
18	MP2A	Mx	-.151	6.5
19	MP2A	X	88.655	1.5
20	MP2A	Z	-153.555	1.5
21	MP2A	Mx	.003	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
22	MP2A	X	88.655	6.5
23	MP2A	Z	-153.555	6.5
24	MP2A	Mx	.003	6.5
25	MP1C	X	55.929	1.5
26	MP1C	Z	-96.872	1.5
27	MP1C	Mx	.011	1.5
28	MP1C	X	55.929	6.5
29	MP1C	Z	-96.872	6.5
30	MP1C	Mx	.011	6.5
31	MP1C	X	55.929	1.5
32	MP1C	Z	-96.872	1.5
33	MP1C	Mx	.131	1.5
34	MP1C	X	55.929	6.5
35	MP1C	Z	-96.872	6.5
36	MP1C	Mx	.131	6.5
37	MP4C	X	79.567	1.5
38	MP4C	Z	-137.814	1.5
39	MP4C	Mx	-.133	1.5
40	MP4C	X	79.567	6.5
41	MP4C	Z	-137.814	6.5
42	MP4C	Mx	-.133	6.5
43	MP4C	X	79.567	1.5
44	MP4C	Z	-137.814	1.5
45	MP4C	Mx	.133	1.5
46	MP4C	X	79.567	6.5
47	MP4C	Z	-137.814	6.5
48	MP4C	Mx	.133	6.5
49	MP3A	X	23.58	2
50	MP3A	Z	-40.842	2
51	MP3A	Mx	.012	2
52	MP3C	X	25.693	2
53	MP3C	Z	-44.502	2
54	MP3C	Mx	0	2
55	MP4B	X	23.58	2
56	MP4B	Z	-40.842	2
57	MP4B	Mx	-.012	2
58	MP1C	X	25.21	2
59	MP1C	Z	-43.665	2
60	MP1C	Mx	-.019	2
61	MP2A	X	28.532	2
62	MP2A	Z	-49.419	2
63	MP2A	Mx	.014	2
64	MP5C	X	30.998	2
65	MP5C	Z	-53.69	2
66	MP5C	Mx	0	2
67	OVP1	X	47.342	1
68	OVP1	Z	-81.999	1
69	OVP1	Mx	0	1
70	MP4D	X	69.485	1.5
71	MP4D	Z	-120.351	1.5
72	MP4D	Mx	-.148	1.5
73	MP4D	X	69.485	6.5
74	MP4D	Z	-120.351	6.5
75	MP4D	Mx	-.148	6.5
76	MP4D	X	69.485	1.5
77	MP4D	Z	-120.351	1.5
78	MP4D	Mx	-.069	1.5
79	MP4D	X	69.485	6.5
80	MP4D	Z	-120.351	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
81	MP4D	Mx	-.069	6.5
82	MP2D	X	11.187	3.5
83	MP2D	Z	-19.377	3.5
84	MP2D	Mx	-.018	3.5
85	MP2D	X	11.187	4.5
86	MP2D	Z	-19.377	4.5
87	MP2D	Mx	-.018	4.5
88	MP3D	X	18.228	2
89	MP3D	Z	-31.572	2
90	MP3D	Mx	.017	2
91	MP4D	X	22.289	2
92	MP4D	Z	-38.605	2
93	MP4D	Mx	.021	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	25.617	3.5
2	MP2C	Z	-14.79	3.5
3	MP2C	Mx	.02	3.5
4	MP2C	X	25.617	4.5
5	MP2C	Z	-14.79	4.5
6	MP2C	Mx	.02	4.5
7	MP4A	X	23.292	3.5
8	MP4A	Z	-13.448	3.5
9	MP4A	Mx	-.019	3.5
10	MP4A	X	23.292	4.5
11	MP4A	Z	-13.448	4.5
12	MP4A	Mx	-.019	4.5
13	MP2A	X	127.328	1.5
14	MP2A	Z	-73.513	1.5
15	MP2A	Mx	-.143	1.5
16	MP2A	X	127.328	6.5
17	MP2A	Z	-73.513	6.5
18	MP2A	Mx	-.143	6.5
19	MP2A	X	127.328	1.5
20	MP2A	Z	-73.513	1.5
21	MP2A	Mx	-.069	1.5
22	MP2A	X	127.328	6.5
23	MP2A	Z	-73.513	6.5
24	MP2A	Mx	-.069	6.5
25	MP1C	X	70.149	1.5
26	MP1C	Z	-40.501	1.5
27	MP1C	Mx	.055	1.5
28	MP1C	X	70.149	6.5
29	MP1C	Z	-40.501	6.5
30	MP1C	Mx	.055	6.5
31	MP1C	X	70.149	1.5
32	MP1C	Z	-40.501	1.5
33	MP1C	Mx	.078	1.5
34	MP1C	X	70.149	6.5
35	MP1C	Z	-40.501	6.5
36	MP1C	Mx	.078	6.5
37	MP4C	X	120.372	1.5
38	MP4C	Z	-69.497	1.5
39	MP4C	Mx	-.042	1.5
40	MP4C	X	120.372	6.5
41	MP4C	Z	-69.497	6.5
42	MP4C	Mx	-.042	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP4C	X	120.372	1.5
44	MP4C	Z	-69.497	1.5
45	MP4C	Mx	.158	1.5
46	MP4C	X	120.372	6.5
47	MP4C	Z	-69.497	6.5
48	MP4C	Mx	.158	6.5
49	MP3A	X	33.52	2
50	MP3A	Z	-19.353	2
51	MP3A	Mx	.017	2
52	MP3C	X	40.842	2
53	MP3C	Z	-23.58	2
54	MP3C	Mx	-.012	2
55	MP4B	X	33.52	2
56	MP4B	Z	-19.353	2
57	MP4B	Mx	-.017	2
58	MP1C	X	37.122	2
59	MP1C	Z	-21.432	2
60	MP1C	Mx	-.021	2
61	MP2A	X	40.878	2
62	MP2A	Z	-23.601	2
63	MP2A	Mx	.02	2
64	MP5C	X	49.419	2
65	MP5C	Z	-28.532	2
66	MP5C	Mx	-.014	2
67	OVP1	X	71.746	1
68	OVP1	Z	-41.423	1
69	OVP1	Mx	0	1
70	MP4D	X	144.996	1.5
71	MP4D	Z	-83.713	1.5
72	MP4D	Mx	-.197	1.5
73	MP4D	X	144.996	6.5
74	MP4D	Z	-83.713	6.5
75	MP4D	Mx	-.197	6.5
76	MP4D	X	144.996	1.5
77	MP4D	Z	-83.713	1.5
78	MP4D	Mx	.017	1.5
79	MP4D	X	144.996	6.5
80	MP4D	Z	-83.713	6.5
81	MP4D	Mx	.017	6.5
82	MP2D	X	33.204	3.5
83	MP2D	Z	-19.171	3.5
84	MP2D	Mx	-.021	3.5
85	MP2D	X	33.204	4.5
86	MP2D	Z	-19.171	4.5
87	MP2D	Mx	-.021	4.5
88	MP3D	X	38.452	2
89	MP3D	Z	-22.2	2
90	MP3D	Mx	.014	2
91	MP4D	X	46.632	2
92	MP4D	Z	-26.923	2
93	MP4D	Mx	.017	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	18.658	3.5
2	MP2C	Z	0	3.5
3	MP2C	Mx	.015	3.5
4	MP2C	X	18.658	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
5	MP2C	Z	0	4.5
6	MP2C	Mx	.015	4.5
7	MP4A	X	18.4	3.5
8	MP4A	Z	0	3.5
9	MP4A	Mx	-.015	3.5
10	MP4A	X	18.4	4.5
11	MP4A	Z	0	4.5
12	MP4A	Mx	-.015	4.5
13	MP2A	X	131.884	1.5
14	MP2A	Z	0	1.5
15	MP2A	Mx	-.11	1.5
16	MP2A	X	131.884	6.5
17	MP2A	Z	0	6.5
18	MP2A	Mx	-.11	6.5
19	MP2A	X	131.884	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.11	1.5
22	MP2A	X	131.884	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	-.11	6.5
25	MP1C	X	87.996	1.5
26	MP1C	Z	0	1.5
27	MP1C	Mx	.094	1.5
28	MP1C	X	87.996	6.5
29	MP1C	Z	0	6.5
30	MP1C	Mx	.094	6.5
31	MP1C	X	87.996	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	.044	1.5
34	MP1C	X	87.996	6.5
35	MP1C	Z	0	6.5
36	MP1C	Mx	.044	6.5
37	MP4C	X	98.712	1.5
38	MP4C	Z	0	1.5
39	MP4C	Mx	.03	1.5
40	MP4C	X	98.712	6.5
41	MP4C	Z	0	6.5
42	MP4C	Mx	.03	6.5
43	MP4C	X	98.712	1.5
44	MP4C	Z	0	1.5
45	MP4C	Mx	.112	1.5
46	MP4C	X	98.712	6.5
47	MP4C	Z	0	6.5
48	MP4C	Mx	.112	6.5
49	MP3A	X	34.479	2
50	MP3A	Z	0	2
51	MP3A	Mx	.017	2
52	MP3C	X	38.706	2
53	MP3C	Z	0	2
54	MP3C	Mx	-.017	2
55	MP4B	X	34.479	2
56	MP4B	Z	0	2
57	MP4B	Mx	-.017	2
58	MP1C	X	44.577	2
59	MP1C	Z	0	2
60	MP1C	Mx	-.021	2
61	MP2A	X	42.27	2
62	MP2A	Z	0	2
63	MP2A	Mx	.021	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
64	MP5C	X	47.201	2
65	MP5C	Z	0	2
66	MP5C	Mx	-.02	2
67	OVP1	X	80.658	1
68	OVP1	Z	0	1
69	OVP1	Mx	0	1
70	MP4D	X	190.626	1.5
71	MP4D	Z	0	1.5
72	MP4D	Mx	-.184	1.5
73	MP4D	X	190.626	6.5
74	MP4D	Z	0	6.5
75	MP4D	Mx	-.184	6.5
76	MP4D	X	190.626	1.5
77	MP4D	Z	0	1.5
78	MP4D	Mx	.129	1.5
79	MP4D	X	190.626	6.5
80	MP4D	Z	0	6.5
81	MP4D	Mx	.129	6.5
82	MP2D	X	51.357	3.5
83	MP2D	Z	0	3.5
84	MP2D	Mx	-.007	3.5
85	MP2D	X	51.357	4.5
86	MP2D	Z	0	4.5
87	MP2D	Mx	-.007	4.5
88	MP3D	X	50.877	2
89	MP3D	Z	0	2
90	MP3D	Mx	.004	2
91	MP4D	X	61.401	2
92	MP4D	Z	0	2
93	MP4D	Mx	.005	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	21.191	3.5
2	MP2C	Z	12.235	3.5
3	MP2C	Mx	.018	3.5
4	MP2C	X	21.191	4.5
5	MP2C	Z	12.235	4.5
6	MP2C	Mx	.018	4.5
7	MP4A	X	23.292	3.5
8	MP4A	Z	13.448	3.5
9	MP4A	Mx	-.019	3.5
10	MP4A	X	23.292	4.5
11	MP4A	Z	13.448	4.5
12	MP4A	Mx	-.019	4.5
13	MP2A	X	127.328	1.5
14	MP2A	Z	73.513	1.5
15	MP2A	Mx	-.069	1.5
16	MP2A	X	127.328	6.5
17	MP2A	Z	73.513	6.5
18	MP2A	Mx	-.069	6.5
19	MP2A	X	127.328	1.5
20	MP2A	Z	73.513	1.5
21	MP2A	Mx	-.143	1.5
22	MP2A	X	127.328	6.5
23	MP2A	Z	73.513	6.5
24	MP2A	Mx	-.143	6.5
25	MP1C	X	108.987	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
26	MP1C	Z	62.924	1.5
27	MP1C	Mx	.148	1.5
28	MP1C	X	108.987	6.5
29	MP1C	Z	62.924	6.5
30	MP1C	Mx	.148	6.5
31	MP1C	X	108.987	1.5
32	MP1C	Z	62.924	1.5
33	MP1C	Mx	-.013	1.5
34	MP1C	X	108.987	6.5
35	MP1C	Z	62.924	6.5
36	MP1C	Mx	-.013	6.5
37	MP4C	X	68.045	1.5
38	MP4C	Z	39.286	1.5
39	MP4C	Mx	.065	1.5
40	MP4C	X	68.045	6.5
41	MP4C	Z	39.286	6.5
42	MP4C	Mx	.065	6.5
43	MP4C	X	68.045	1.5
44	MP4C	Z	39.286	1.5
45	MP4C	Mx	.065	1.5
46	MP4C	X	68.045	6.5
47	MP4C	Z	39.286	6.5
48	MP4C	Mx	.065	6.5
49	MP3A	X	33.52	2
50	MP3A	Z	19.353	2
51	MP3A	Mx	.017	2
52	MP3C	X	29.86	2
53	MP3C	Z	17.239	2
54	MP3C	Mx	-.017	2
55	MP4B	X	33.52	2
56	MP4B	Z	19.353	2
57	MP4B	Mx	-.017	2
58	MP1C	X	46.632	2
59	MP1C	Z	26.923	2
60	MP1C	Mx	-.017	2
61	MP2A	X	40.878	2
62	MP2A	Z	23.601	2
63	MP2A	Mx	.02	2
64	MP5C	X	36.607	2
65	MP5C	Z	21.135	2
66	MP5C	Mx	-.021	2
67	OVP1	X	78.21	1
68	OVP1	Z	45.154	1
69	OVP1	Mx	0	1
70	MP4D	X	160.532	1.5
71	MP4D	Z	92.683	1.5
72	MP4D	Mx	-.092	1.5
73	MP4D	X	160.532	6.5
74	MP4D	Z	92.683	6.5
75	MP4D	Mx	-.092	6.5
76	MP4D	X	160.532	1.5
77	MP4D	Z	92.683	1.5
78	MP4D	Mx	.198	1.5
79	MP4D	X	160.532	6.5
80	MP4D	Z	92.683	6.5
81	MP4D	Mx	.198	6.5
82	MP2D	X	41.921	3.5
83	MP2D	Z	24.203	3.5
84	MP2D	Mx	.014	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
85	MP2D	X	41.921	4.5
86	MP2D	Z	24.203	4.5
87	MP2D	Mx	.014	4.5
88	MP3D	X	42.789	2
89	MP3D	Z	24.704	2
90	MP3D	Mx	-.008	2
91	MP4D	X	51.692	2
92	MP4D	Z	29.844	2
93	MP4D	Mx	-.01	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	20.601	3.5
2	MP2C	Z	35.682	3.5
3	MP2C	Mx	.02	3.5
4	MP2C	X	20.601	4.5
5	MP2C	Z	35.682	4.5
6	MP2C	Mx	.02	4.5
7	MP4A	X	21.943	3.5
8	MP4A	Z	38.006	3.5
9	MP4A	Mx	-.018	3.5
10	MP4A	X	21.943	4.5
11	MP4A	Z	38.006	4.5
12	MP4A	Mx	-.018	4.5
13	MP2A	X	88.655	1.5
14	MP2A	Z	153.555	1.5
15	MP2A	Mx	.003	1.5
16	MP2A	X	88.655	6.5
17	MP2A	Z	153.555	6.5
18	MP2A	Mx	.003	6.5
19	MP2A	X	88.655	1.5
20	MP2A	Z	153.555	1.5
21	MP2A	Mx	-.151	1.5
22	MP2A	X	88.655	6.5
23	MP2A	Z	153.555	6.5
24	MP2A	Mx	-.151	6.5
25	MP1C	X	78.352	1.5
26	MP1C	Z	135.71	1.5
27	MP1C	Mx	.151	1.5
28	MP1C	X	78.352	6.5
29	MP1C	Z	135.71	6.5
30	MP1C	Mx	.151	6.5
31	MP1C	X	78.352	1.5
32	MP1C	Z	135.71	1.5
33	MP1C	Mx	-.106	1.5
34	MP1C	X	78.352	6.5
35	MP1C	Z	135.71	6.5
36	MP1C	Mx	-.106	6.5
37	MP4C	X	49.356	1.5
38	MP4C	Z	85.487	1.5
39	MP4C	Mx	.112	1.5
40	MP4C	X	49.356	6.5
41	MP4C	Z	85.487	6.5
42	MP4C	Mx	.112	6.5
43	MP4C	X	49.356	1.5
44	MP4C	Z	85.487	1.5
45	MP4C	Mx	.03	1.5
46	MP4C	X	49.356	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
47	MP4C	Z	85.487	6.5
48	MP4C	Mx	.03	6.5
49	MP3A	X	23.58	2
50	MP3A	Z	40.842	2
51	MP3A	Mx	.012	2
52	MP3C	X	19.353	2
53	MP3C	Z	33.52	2
54	MP3C	Mx	-.017	2
55	MP4B	X	23.58	2
56	MP4B	Z	40.842	2
57	MP4B	Mx	-.012	2
58	MP1C	X	30.7	2
59	MP1C	Z	53.175	2
60	MP1C	Mx	-.005	2
61	MP2A	X	28.532	2
62	MP2A	Z	49.419	2
63	MP2A	Mx	.014	2
64	MP5C	X	23.601	2
65	MP5C	Z	40.878	2
66	MP5C	Mx	-.02	2
67	OVP1	X	51.073	1
68	OVP1	Z	88.462	1
69	OVP1	Mx	0	1
70	MP4D	X	78.455	1.5
71	MP4D	Z	135.887	1.5
72	MP4D	Mx	.016	1.5
73	MP4D	X	78.455	6.5
74	MP4D	Z	135.887	6.5
75	MP4D	Mx	.016	6.5
76	MP4D	X	78.455	1.5
77	MP4D	Z	135.887	1.5
78	MP4D	Mx	.184	1.5
79	MP4D	X	78.455	6.5
80	MP4D	Z	135.887	6.5
81	MP4D	Mx	.184	6.5
82	MP2D	X	16.22	3.5
83	MP2D	Z	28.094	3.5
84	MP2D	Mx	.021	3.5
85	MP2D	X	16.22	4.5
86	MP2D	Z	28.094	4.5
87	MP2D	Mx	.021	4.5
88	MP3D	X	20.732	2
89	MP3D	Z	35.91	2
90	MP3D	Mx	-.016	2
91	MP4D	X	25.21	2
92	MP4D	Z	43.665	2
93	MP4D	Mx	-.019	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	0	3.5
2	MP2C	Z	52.123	3.5
3	MP2C	Mx	.004	3.5
4	MP2C	X	0	4.5
5	MP2C	Z	52.123	4.5
6	MP2C	Mx	.004	4.5
7	MP4A	X	0	3.5
8	MP4A	Z	52.381	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
9	MP4A	Mx	0	3.5
10	MP4A	X	0	4.5
11	MP4A	Z	52.381	4.5
12	MP4A	Mx	0	4.5
13	MP2A	X	0	1.5
14	MP2A	Z	192.452	1.5
15	MP2A	Mx	.096	1.5
16	MP2A	X	0	6.5
17	MP2A	Z	192.452	6.5
18	MP2A	Mx	.096	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	192.452	1.5
21	MP2A	Mx	-.096	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	192.452	6.5
24	MP2A	Mx	-.096	6.5
25	MP1C	X	0	1.5
26	MP1C	Z	149.709	1.5
27	MP1C	Mx	.075	1.5
28	MP1C	X	0	6.5
29	MP1C	Z	149.709	6.5
30	MP1C	Mx	.075	6.5
31	MP1C	X	0	1.5
32	MP1C	Z	149.709	1.5
33	MP1C	Mx	-.16	1.5
34	MP1C	X	0	6.5
35	MP1C	Z	149.709	6.5
36	MP1C	Mx	-.16	6.5
37	MP4C	X	0	1.5
38	MP4C	Z	138.993	1.5
39	MP4C	Mx	.158	1.5
40	MP4C	X	0	6.5
41	MP4C	Z	138.993	6.5
42	MP4C	Mx	.158	6.5
43	MP4C	X	0	1.5
44	MP4C	Z	138.993	1.5
45	MP4C	Mx	-.042	1.5
46	MP4C	X	0	6.5
47	MP4C	Z	138.993	6.5
48	MP4C	Mx	-.042	6.5
49	MP3A	X	0	2
50	MP3A	Z	51.387	2
51	MP3A	Mx	0	2
52	MP3C	X	0	2
53	MP3C	Z	47.16	2
54	MP3C	Mx	-.012	2
55	MP4B	X	0	2
56	MP4B	Z	51.387	2
57	MP4B	Mx	0	2
58	MP1C	X	0	2
59	MP1C	Z	59.688	2
60	MP1C	Mx	.01	2
61	MP2A	X	0	2
62	MP2A	Z	61.996	2
63	MP2A	Mx	0	2
64	MP5C	X	0	2
65	MP5C	Z	57.064	2
66	MP5C	Mx	-.014	2
67	OVP1	X	0	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
68	OVP1	Z	104.335	1
69	OVP1	Mx	0	1
70	MP4D	X	0	1.5
71	MP4D	Z	133.711	1.5
72	MP4D	Mx	.09	1.5
73	MP4D	X	0	6.5
74	MP4D	Z	133.711	6.5
75	MP4D	Mx	.09	6.5
76	MP4D	X	0	1.5
77	MP4D	Z	133.711	1.5
78	MP4D	Mx	.129	1.5
79	MP4D	X	0	6.5
80	MP4D	Z	133.711	6.5
81	MP4D	Mx	.129	6.5
82	MP2D	X	0	3.5
83	MP2D	Z	19.424	3.5
84	MP2D	Mx	.016	3.5
85	MP2D	X	0	4.5
86	MP2D	Z	19.424	4.5
87	MP2D	Mx	.016	4.5
88	MP3D	X	0	2
89	MP3D	Z	34.989	2
90	MP3D	Mx	-.017	2
91	MP4D	X	0	2
92	MP4D	Z	42.865	2
93	MP4D	Mx	-.021	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2C	X	-23.156	3.5
2	MP2C	Z	40.107	3.5
3	MP2C	Mx	-.016	3.5
4	MP2C	X	-23.156	4.5
5	MP2C	Z	40.107	4.5
6	MP2C	Mx	-.016	4.5
7	MP4A	X	-21.943	3.5
8	MP4A	Z	38.006	3.5
9	MP4A	Mx	.018	3.5
10	MP4A	X	-21.943	4.5
11	MP4A	Z	38.006	4.5
12	MP4A	Mx	.018	4.5
13	MP2A	X	-88.655	1.5
14	MP2A	Z	153.555	1.5
15	MP2A	Mx	.151	1.5
16	MP2A	X	-88.655	6.5
17	MP2A	Z	153.555	6.5
18	MP2A	Mx	.151	6.5
19	MP2A	X	-88.655	1.5
20	MP2A	Z	153.555	1.5
21	MP2A	Mx	-.003	1.5
22	MP2A	X	-88.655	6.5
23	MP2A	Z	153.555	6.5
24	MP2A	Mx	-.003	6.5
25	MP1C	X	-55.929	1.5
26	MP1C	Z	96.872	1.5
27	MP1C	Mx	-.011	1.5
28	MP1C	X	-55.929	6.5
29	MP1C	Z	96.872	6.5



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft, %)
30	MP1C	Mx	-.011	6.5
31	MP1C	X	-55.929	1.5
32	MP1C	Z	96.872	1.5
33	MP1C	Mx	-.131	1.5
34	MP1C	X	-55.929	6.5
35	MP1C	Z	96.872	6.5
36	MP1C	Mx	-.131	6.5
37	MP4C	X	-79.567	1.5
38	MP4C	Z	137.814	1.5
39	MP4C	Mx	.133	1.5
40	MP4C	X	-79.567	6.5
41	MP4C	Z	137.814	6.5
42	MP4C	Mx	.133	6.5
43	MP4C	X	-79.567	1.5
44	MP4C	Z	137.814	1.5
45	MP4C	Mx	-.133	1.5
46	MP4C	X	-79.567	6.5
47	MP4C	Z	137.814	6.5
48	MP4C	Mx	-.133	6.5
49	MP3A	X	-23.58	2
50	MP3A	Z	40.842	2
51	MP3A	Mx	-.012	2
52	MP3C	X	-25.693	2
53	MP3C	Z	44.502	2
54	MP3C	Mx	0	2
55	MP4B	X	-23.58	2
56	MP4B	Z	40.842	2
57	MP4B	Mx	.012	2
58	MP1C	X	-25.21	2
59	MP1C	Z	43.665	2
60	MP1C	Mx	.019	2
61	MP2A	X	-28.532	2
62	MP2A	Z	49.419	2
63	MP2A	Mx	-.014	2
64	MP5C	X	-30.998	2
65	MP5C	Z	53.69	2
66	MP5C	Mx	0	2
67	OVP1	X	-47.342	1
68	OVP1	Z	81.999	1
69	OVP1	Mx	0	1
70	MP4D	X	-69.485	1.5
71	MP4D	Z	120.351	1.5
72	MP4D	Mx	.148	1.5
73	MP4D	X	-69.485	6.5
74	MP4D	Z	120.351	6.5
75	MP4D	Mx	.148	6.5
76	MP4D	X	-69.485	1.5
77	MP4D	Z	120.351	1.5
78	MP4D	Mx	.069	1.5
79	MP4D	X	-69.485	6.5
80	MP4D	Z	120.351	6.5
81	MP4D	Mx	.069	6.5
82	MP2D	X	-11.187	3.5
83	MP2D	Z	19.377	3.5
84	MP2D	Mx	.018	3.5
85	MP2D	X	-11.187	4.5
86	MP2D	Z	19.377	4.5
87	MP2D	Mx	.018	4.5
88	MP3D	X	-18.228	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
89	MP3D	Z	31.572	2
90	MP3D	Mx	-.017	2
91	MP4D	X	-22.289	2
92	MP4D	Z	38.605	2
93	MP4D	Mx	-.021	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	-25.617	3.5
2	MP2C	Z	14.79	3.5
3	MP2C	Mx	-.02	3.5
4	MP2C	X	-25.617	4.5
5	MP2C	Z	14.79	4.5
6	MP2C	Mx	-.02	4.5
7	MP4A	X	-23.292	3.5
8	MP4A	Z	13.448	3.5
9	MP4A	Mx	.019	3.5
10	MP4A	X	-23.292	4.5
11	MP4A	Z	13.448	4.5
12	MP4A	Mx	.019	4.5
13	MP2A	X	-127.328	1.5
14	MP2A	Z	73.513	1.5
15	MP2A	Mx	.143	1.5
16	MP2A	X	-127.328	6.5
17	MP2A	Z	73.513	6.5
18	MP2A	Mx	.143	6.5
19	MP2A	X	-127.328	1.5
20	MP2A	Z	73.513	1.5
21	MP2A	Mx	.069	1.5
22	MP2A	X	-127.328	6.5
23	MP2A	Z	73.513	6.5
24	MP2A	Mx	.069	6.5
25	MP1C	X	-70.149	1.5
26	MP1C	Z	40.501	1.5
27	MP1C	Mx	-.055	1.5
28	MP1C	X	-70.149	6.5
29	MP1C	Z	40.501	6.5
30	MP1C	Mx	-.055	6.5
31	MP1C	X	-70.149	1.5
32	MP1C	Z	40.501	1.5
33	MP1C	Mx	-.078	1.5
34	MP1C	X	-70.149	6.5
35	MP1C	Z	40.501	6.5
36	MP1C	Mx	-.078	6.5
37	MP4C	X	-120.372	1.5
38	MP4C	Z	69.497	1.5
39	MP4C	Mx	.042	1.5
40	MP4C	X	-120.372	6.5
41	MP4C	Z	69.497	6.5
42	MP4C	Mx	.042	6.5
43	MP4C	X	-120.372	1.5
44	MP4C	Z	69.497	1.5
45	MP4C	Mx	-.158	1.5
46	MP4C	X	-120.372	6.5
47	MP4C	Z	69.497	6.5
48	MP4C	Mx	-.158	6.5
49	MP3A	X	-33.52	2
50	MP3A	Z	19.353	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
51	MP3A	Mx	-.017	2
52	MP3C	X	-40.842	2
53	MP3C	Z	23.58	2
54	MP3C	Mx	.012	2
55	MP4B	X	-33.52	2
56	MP4B	Z	19.353	2
57	MP4B	Mx	.017	2
58	MP1C	X	-37.122	2
59	MP1C	Z	21.432	2
60	MP1C	Mx	.021	2
61	MP2A	X	-40.878	2
62	MP2A	Z	23.601	2
63	MP2A	Mx	-.02	2
64	MP5C	X	-49.419	2
65	MP5C	Z	28.532	2
66	MP5C	Mx	.014	2
67	OVP1	X	-71.746	1
68	OVP1	Z	41.423	1
69	OVP1	Mx	0	1
70	MP4D	X	-144.996	1.5
71	MP4D	Z	83.713	1.5
72	MP4D	Mx	.197	1.5
73	MP4D	X	-144.996	6.5
74	MP4D	Z	83.713	6.5
75	MP4D	Mx	.197	6.5
76	MP4D	X	-144.996	1.5
77	MP4D	Z	83.713	1.5
78	MP4D	Mx	-.017	1.5
79	MP4D	X	-144.996	6.5
80	MP4D	Z	83.713	6.5
81	MP4D	Mx	-.017	6.5
82	MP2D	X	-33.204	3.5
83	MP2D	Z	19.171	3.5
84	MP2D	Mx	.021	3.5
85	MP2D	X	-33.204	4.5
86	MP2D	Z	19.171	4.5
87	MP2D	Mx	.021	4.5
88	MP3D	X	-38.452	2
89	MP3D	Z	22.2	2
90	MP3D	Mx	-.014	2
91	MP4D	X	-46.632	2
92	MP4D	Z	26.923	2
93	MP4D	Mx	-.017	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	-18.658	3.5
2	MP2C	Z	0	3.5
3	MP2C	Mx	-.015	3.5
4	MP2C	X	-18.658	4.5
5	MP2C	Z	0	4.5
6	MP2C	Mx	-.015	4.5
7	MP4A	X	-18.4	3.5
8	MP4A	Z	0	3.5
9	MP4A	Mx	.015	3.5
10	MP4A	X	-18.4	4.5
11	MP4A	Z	0	4.5
12	MP4A	Mx	.015	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
13	MP2A	X	-131.884	1.5
14	MP2A	Z	0	1.5
15	MP2A	Mx	.11	1.5
16	MP2A	X	-131.884	6.5
17	MP2A	Z	0	6.5
18	MP2A	Mx	.11	6.5
19	MP2A	X	-131.884	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.11	1.5
22	MP2A	X	-131.884	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	.11	6.5
25	MP1C	X	-87.996	1.5
26	MP1C	Z	0	1.5
27	MP1C	Mx	-.094	1.5
28	MP1C	X	-87.996	6.5
29	MP1C	Z	0	6.5
30	MP1C	Mx	-.094	6.5
31	MP1C	X	-87.996	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	-.044	1.5
34	MP1C	X	-87.996	6.5
35	MP1C	Z	0	6.5
36	MP1C	Mx	-.044	6.5
37	MP4C	X	-98.712	1.5
38	MP4C	Z	0	1.5
39	MP4C	Mx	-.03	1.5
40	MP4C	X	-98.712	6.5
41	MP4C	Z	0	6.5
42	MP4C	Mx	-.03	6.5
43	MP4C	X	-98.712	1.5
44	MP4C	Z	0	1.5
45	MP4C	Mx	-.112	1.5
46	MP4C	X	-98.712	6.5
47	MP4C	Z	0	6.5
48	MP4C	Mx	-.112	6.5
49	MP3A	X	-34.479	2
50	MP3A	Z	0	2
51	MP3A	Mx	-.017	2
52	MP3C	X	-38.706	2
53	MP3C	Z	0	2
54	MP3C	Mx	.017	2
55	MP4B	X	-34.479	2
56	MP4B	Z	0	2
57	MP4B	Mx	.017	2
58	MP1C	X	-44.577	2
59	MP1C	Z	0	2
60	MP1C	Mx	.021	2
61	MP2A	X	-42.27	2
62	MP2A	Z	0	2
63	MP2A	Mx	-.021	2
64	MP5C	X	-47.201	2
65	MP5C	Z	0	2
66	MP5C	Mx	.02	2
67	OVP1	X	-80.658	1
68	OVP1	Z	0	1
69	OVP1	Mx	0	1
70	MP4D	X	-190.626	1.5
71	MP4D	Z	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP4D	Mx	.184	1.5
73	MP4D	X	-190.626	6.5
74	MP4D	Z	0	6.5
75	MP4D	Mx	.184	6.5
76	MP4D	X	-190.626	1.5
77	MP4D	Z	0	1.5
78	MP4D	Mx	-.129	1.5
79	MP4D	X	-190.626	6.5
80	MP4D	Z	0	6.5
81	MP4D	Mx	-.129	6.5
82	MP2D	X	-51.357	3.5
83	MP2D	Z	0	3.5
84	MP2D	Mx	.007	3.5
85	MP2D	X	-51.357	4.5
86	MP2D	Z	0	4.5
87	MP2D	Mx	.007	4.5
88	MP3D	X	-50.877	2
89	MP3D	Z	0	2
90	MP3D	Mx	-.004	2
91	MP4D	X	-61.401	2
92	MP4D	Z	0	2
93	MP4D	Mx	-.005	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	-21.191	3.5
2	MP2C	Z	-12.235	3.5
3	MP2C	Mx	-.018	3.5
4	MP2C	X	-21.191	4.5
5	MP2C	Z	-12.235	4.5
6	MP2C	Mx	-.018	4.5
7	MP4A	X	-23.292	3.5
8	MP4A	Z	-13.448	3.5
9	MP4A	Mx	.019	3.5
10	MP4A	X	-23.292	4.5
11	MP4A	Z	-13.448	4.5
12	MP4A	Mx	.019	4.5
13	MP2A	X	-127.328	1.5
14	MP2A	Z	-73.513	1.5
15	MP2A	Mx	.069	1.5
16	MP2A	X	-127.328	6.5
17	MP2A	Z	-73.513	6.5
18	MP2A	Mx	.069	6.5
19	MP2A	X	-127.328	1.5
20	MP2A	Z	-73.513	1.5
21	MP2A	Mx	.143	1.5
22	MP2A	X	-127.328	6.5
23	MP2A	Z	-73.513	6.5
24	MP2A	Mx	.143	6.5
25	MP1C	X	-108.987	1.5
26	MP1C	Z	-62.924	1.5
27	MP1C	Mx	-.148	1.5
28	MP1C	X	-108.987	6.5
29	MP1C	Z	-62.924	6.5
30	MP1C	Mx	-.148	6.5
31	MP1C	X	-108.987	1.5
32	MP1C	Z	-62.924	1.5
33	MP1C	Mx	.013	1.5

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
34	MP1C	X	-108.987	6.5
35	MP1C	Z	-62.924	6.5
36	MP1C	Mx	.013	6.5
37	MP4C	X	-68.045	1.5
38	MP4C	Z	-39.286	1.5
39	MP4C	Mx	-.065	1.5
40	MP4C	X	-68.045	6.5
41	MP4C	Z	-39.286	6.5
42	MP4C	Mx	-.065	6.5
43	MP4C	X	-68.045	1.5
44	MP4C	Z	-39.286	1.5
45	MP4C	Mx	-.065	1.5
46	MP4C	X	-68.045	6.5
47	MP4C	Z	-39.286	6.5
48	MP4C	Mx	-.065	6.5
49	MP3A	X	-33.52	2
50	MP3A	Z	-19.353	2
51	MP3A	Mx	-.017	2
52	MP3C	X	-29.86	2
53	MP3C	Z	-17.239	2
54	MP3C	Mx	.017	2
55	MP4B	X	-33.52	2
56	MP4B	Z	-19.353	2
57	MP4B	Mx	.017	2
58	MP1C	X	-46.632	2
59	MP1C	Z	-26.923	2
60	MP1C	Mx	.017	2
61	MP2A	X	-40.878	2
62	MP2A	Z	-23.601	2
63	MP2A	Mx	-.02	2
64	MP5C	X	-36.607	2
65	MP5C	Z	-21.135	2
66	MP5C	Mx	.021	2
67	OVP1	X	-78.21	1
68	OVP1	Z	-45.154	1
69	OVP1	Mx	0	1
70	MP4D	X	-160.532	1.5
71	MP4D	Z	-92.683	1.5
72	MP4D	Mx	.092	1.5
73	MP4D	X	-160.532	6.5
74	MP4D	Z	-92.683	6.5
75	MP4D	Mx	.092	6.5
76	MP4D	X	-160.532	1.5
77	MP4D	Z	-92.683	1.5
78	MP4D	Mx	-.198	1.5
79	MP4D	X	-160.532	6.5
80	MP4D	Z	-92.683	6.5
81	MP4D	Mx	-.198	6.5
82	MP2D	X	-41.921	3.5
83	MP2D	Z	-24.203	3.5
84	MP2D	Mx	-.014	3.5
85	MP2D	X	-41.921	4.5
86	MP2D	Z	-24.203	4.5
87	MP2D	Mx	-.014	4.5
88	MP3D	X	-42.789	2
89	MP3D	Z	-24.704	2
90	MP3D	Mx	.008	2
91	MP4D	X	-51.692	2
92	MP4D	Z	-29.844	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
93	MP4D	Mx	.01	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	-20.601	3.5
2	MP2C	Z	-35.682	3.5
3	MP2C	Mx	-.02	3.5
4	MP2C	X	-20.601	4.5
5	MP2C	Z	-35.682	4.5
6	MP2C	Mx	-.02	4.5
7	MP4A	X	-21.943	3.5
8	MP4A	Z	-38.006	3.5
9	MP4A	Mx	.018	3.5
10	MP4A	X	-21.943	4.5
11	MP4A	Z	-38.006	4.5
12	MP4A	Mx	.018	4.5
13	MP2A	X	-88.655	1.5
14	MP2A	Z	-153.555	1.5
15	MP2A	Mx	-.003	1.5
16	MP2A	X	-88.655	6.5
17	MP2A	Z	-153.555	6.5
18	MP2A	Mx	-.003	6.5
19	MP2A	X	-88.655	1.5
20	MP2A	Z	-153.555	1.5
21	MP2A	Mx	.151	1.5
22	MP2A	X	-88.655	6.5
23	MP2A	Z	-153.555	6.5
24	MP2A	Mx	.151	6.5
25	MP1C	X	-78.352	1.5
26	MP1C	Z	-135.71	1.5
27	MP1C	Mx	-.151	1.5
28	MP1C	X	-78.352	6.5
29	MP1C	Z	-135.71	6.5
30	MP1C	Mx	-.151	6.5
31	MP1C	X	-78.352	1.5
32	MP1C	Z	-135.71	1.5
33	MP1C	Mx	.106	1.5
34	MP1C	X	-78.352	6.5
35	MP1C	Z	-135.71	6.5
36	MP1C	Mx	.106	6.5
37	MP4C	X	-49.356	1.5
38	MP4C	Z	-85.487	1.5
39	MP4C	Mx	-.112	1.5
40	MP4C	X	-49.356	6.5
41	MP4C	Z	-85.487	6.5
42	MP4C	Mx	-.112	6.5
43	MP4C	X	-49.356	1.5
44	MP4C	Z	-85.487	1.5
45	MP4C	Mx	-.03	1.5
46	MP4C	X	-49.356	6.5
47	MP4C	Z	-85.487	6.5
48	MP4C	Mx	-.03	6.5
49	MP3A	X	-23.58	2
50	MP3A	Z	-40.842	2
51	MP3A	Mx	-.012	2
52	MP3C	X	-19.353	2
53	MP3C	Z	-33.52	2
54	MP3C	Mx	.017	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
55	MP4B	X	-23.58	2
56	MP4B	Z	-40.842	2
57	MP4B	Mx	.012	2
58	MP1C	X	-30.7	2
59	MP1C	Z	-53.175	2
60	MP1C	Mx	.005	2
61	MP2A	X	-28.532	2
62	MP2A	Z	-49.419	2
63	MP2A	Mx	-.014	2
64	MP5C	X	-23.601	2
65	MP5C	Z	-40.878	2
66	MP5C	Mx	.02	2
67	OVP1	X	-51.073	1
68	OVP1	Z	-88.462	1
69	OVP1	Mx	0	1
70	MP4D	X	-78.455	1.5
71	MP4D	Z	-135.887	1.5
72	MP4D	Mx	-.016	1.5
73	MP4D	X	-78.455	6.5
74	MP4D	Z	-135.887	6.5
75	MP4D	Mx	-.016	6.5
76	MP4D	X	-78.455	1.5
77	MP4D	Z	-135.887	1.5
78	MP4D	Mx	-.184	1.5
79	MP4D	X	-78.455	6.5
80	MP4D	Z	-135.887	6.5
81	MP4D	Mx	-.184	6.5
82	MP2D	X	-16.22	3.5
83	MP2D	Z	-28.094	3.5
84	MP2D	Mx	-.021	3.5
85	MP2D	X	-16.22	4.5
86	MP2D	Z	-28.094	4.5
87	MP2D	Mx	-.021	4.5
88	MP3D	X	-20.732	2
89	MP3D	Z	-35.91	2
90	MP3D	Mx	.016	2
91	MP4D	X	-25.21	2
92	MP4D	Z	-43.665	2
93	MP4D	Mx	.019	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2C	X	0	3.5
2	MP2C	Z	-12.412	3.5
3	MP2C	Mx	-.000901	3.5
4	MP2C	X	0	4.5
5	MP2C	Z	-12.412	4.5
6	MP2C	Mx	-.000901	4.5
7	MP4A	X	0	3.5
8	MP4A	Z	-12.467	3.5
9	MP4A	Mx	0	3.5
10	MP4A	X	0	4.5
11	MP4A	Z	-12.467	4.5
12	MP4A	Mx	0	4.5
13	MP2A	X	0	1.5
14	MP2A	Z	-36.54	1.5
15	MP2A	Mx	-.018	1.5
16	MP2A	X	0	6.5



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
17	MP2A	Z	-36.54	6.5
18	MP2A	Mx	-.018	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	-36.54	1.5
21	MP2A	Mx	.018	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	-36.54	6.5
24	MP2A	Mx	.018	6.5
25	MP2A	X	0	1.5
26	MP1C	Z	-50.552	1.5
27	MP1C	Mx	-.025	1.5
28	MP1C	X	0	6.5
29	MP1C	Z	-50.552	6.5
30	MP1C	Mx	-.025	6.5
31	MP1C	X	0	1.5
32	MP1C	Z	-50.552	1.5
33	MP1C	Mx	.054	1.5
34	MP1C	X	0	6.5
35	MP1C	Z	-50.552	6.5
36	MP1C	Mx	.054	6.5
37	MP4C	X	0	1.5
38	MP4C	Z	-47.932	1.5
39	MP4C	Mx	-.055	1.5
40	MP4C	X	0	6.5
41	MP4C	Z	-47.932	6.5
42	MP4C	Mx	-.055	6.5
43	MP4C	X	0	1.5
44	MP4C	Z	-47.932	1.5
45	MP4C	Mx	.015	1.5
46	MP4C	X	0	6.5
47	MP4C	Z	-47.932	6.5
48	MP4C	Mx	.015	6.5
49	MP3A	X	0	2
50	MP3A	Z	-12.876	2
51	MP3A	Mx	0	2
52	MP3C	X	0	2
53	MP3C	Z	-11.896	2
54	MP3C	Mx	.003	2
55	MP4B	X	0	2
56	MP4B	Z	-12.876	2
57	MP4B	Mx	0	2
58	MP1C	X	0	2
59	MP1C	Z	-12.436	2
60	MP1C	Mx	-.002	2
61	MP2A	X	0	2
62	MP2A	Z	-12.876	2
63	MP2A	Mx	0	2
64	MP5C	X	0	2
65	MP5C	Z	-11.935	2
66	MP5C	Mx	.003	2
67	OVP1	X	0	1
68	OVP1	Z	-26.289	1
69	OVP1	Mx	0	1
70	MP4D	X	0	1.5
71	MP4D	Z	-26.116	1.5
72	MP4D	Mx	-.018	1.5
73	MP4D	X	0	6.5
74	MP4D	Z	-26.116	6.5
75	MP4D	Mx	-.018	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
76	MP4D	X	0	1.5
77	MP4D	Z	-26.116	1.5
78	MP4D	Mx	-.025	1.5
79	MP4D	X	0	6.5
80	MP4D	Z	-26.116	6.5
81	MP4D	Mx	-.025	6.5
82	MP2D	X	0	3.5
83	MP2D	Z	-5.481	3.5
84	MP2D	Mx	-.004	3.5
85	MP2D	X	0	4.5
86	MP2D	Z	-5.481	4.5
87	MP2D	Mx	-.004	4.5
88	MP3D	X	0	2
89	MP3D	Z	-9.075	2
90	MP3D	Mx	.004	2
91	MP4D	X	0	2
92	MP4D	Z	-9.227	2
93	MP4D	Mx	.005	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2C	X	5.59	3.5
2	MP2C	Z	-9.683	3.5
3	MP2C	Mx	.004	3.5
4	MP2C	X	5.59	4.5
5	MP2C	Z	-9.683	4.5
6	MP2C	Mx	.004	4.5
7	MP4A	X	5.333	3.5
8	MP4A	Z	-9.237	3.5
9	MP4A	Mx	-.004	3.5
10	MP4A	X	5.333	4.5
11	MP4A	Z	-9.237	4.5
12	MP4A	Mx	-.004	4.5
13	MP2A	X	16.927	1.5
14	MP2A	Z	-29.318	1.5
15	MP2A	Mx	-.029	1.5
16	MP2A	X	16.927	6.5
17	MP2A	Z	-29.318	6.5
18	MP2A	Mx	-.029	6.5
19	MP2A	X	16.927	1.5
20	MP2A	Z	-29.318	1.5
21	MP2A	Mx	.000553	1.5
22	MP2A	X	16.927	6.5
23	MP2A	Z	-29.318	6.5
24	MP2A	Mx	.000553	6.5
25	MP1C	X	20.65	1.5
26	MP1C	Z	-35.766	1.5
27	MP1C	Mx	.004	1.5
28	MP1C	X	20.65	6.5
29	MP1C	Z	-35.766	6.5
30	MP1C	Mx	.004	6.5
31	MP1C	X	20.65	1.5
32	MP1C	Z	-35.766	1.5
33	MP1C	Mx	.048	1.5
34	MP1C	X	20.65	6.5
35	MP1C	Z	-35.766	6.5
36	MP1C	Mx	.048	6.5
37	MP4C	X	26.428	1.5



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
38	MP4C	Z	-45.774	1.5
39	MP4C	Mx	-.044	1.5
40	MP4C	X	26.428	6.5
41	MP4C	Z	-45.774	6.5
42	MP4C	Mx	-.044	6.5
43	MP4C	X	26.428	1.5
44	MP4C	Z	-45.774	1.5
45	MP4C	Mx	.044	1.5
46	MP4C	X	26.428	6.5
47	MP4C	Z	-45.774	6.5
48	MP4C	Mx	.044	6.5
49	MP3A	X	5.948	2
50	MP3A	Z	-10.302	2
51	MP3A	Mx	.003	2
52	MP3C	X	6.438	2
53	MP3C	Z	-11.151	2
54	MP3C	Mx	0	2
55	MP4B	X	5.948	2
56	MP4B	Z	-10.302	2
57	MP4B	Mx	-.003	2
58	MP1C	X	5.334	2
59	MP1C	Z	-9.239	2
60	MP1C	Mx	-.004	2
61	MP2A	X	5.968	2
62	MP2A	Z	-10.336	2
63	MP2A	Mx	.003	2
64	MP5C	X	6.438	2
65	MP5C	Z	-11.151	2
66	MP5C	Mx	0	2
67	OVP1	X	12.04	1
68	OVP1	Z	-20.853	1
69	OVP1	Mx	0	1
70	MP4D	X	13.525	1.5
71	MP4D	Z	-23.425	1.5
72	MP4D	Mx	-.029	1.5
73	MP4D	X	13.525	6.5
74	MP4D	Z	-23.425	6.5
75	MP4D	Mx	-.029	6.5
76	MP4D	X	13.525	1.5
77	MP4D	Z	-23.425	1.5
78	MP4D	Mx	-.013	1.5
79	MP4D	X	13.525	6.5
80	MP4D	Z	-23.425	6.5
81	MP4D	Mx	-.013	6.5
82	MP2D	X	3.053	3.5
83	MP2D	Z	-5.288	3.5
84	MP2D	Mx	-.005	3.5
85	MP2D	X	3.053	4.5
86	MP2D	Z	-5.288	4.5
87	MP2D	Mx	-.005	4.5
88	MP3D	X	4.707	2
89	MP3D	Z	-8.154	2
90	MP3D	Mx	.004	2
91	MP4D	X	4.777	2
92	MP4D	Z	-8.273	2
93	MP4D	Mx	.004	2

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
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Member Point Loads (BLC 17 : Antenna Wi (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2C	X	6.611	3.5
2	MP2C	Z	-3.817	3.5
3	MP2C	Mx	.005	3.5
4	MP2C	X	6.611	4.5
5	MP2C	Z	-3.817	4.5
6	MP2C	Mx	.005	4.5
7	MP4A	X	6.118	3.5
8	MP4A	Z	-3.532	3.5
9	MP4A	Mx	- .005	3.5
10	MP4A	X	6.118	4.5
11	MP4A	Z	-3.532	4.5
12	MP4A	Mx	-.005	4.5
13	MP2A	X	24.664	1.5
14	MP2A	Z	-14.24	1.5
15	MP2A	Mx	-.028	1.5
16	MP2A	X	24.664	6.5
17	MP2A	Z	-14.24	6.5
18	MP2A	Mx	-.028	6.5
19	MP2A	X	24.664	1.5
20	MP2A	Z	-14.24	1.5
21	MP2A	Mx	-.013	1.5
22	MP2A	X	24.664	6.5
23	MP2A	Z	-14.24	6.5
24	MP2A	Mx	-.013	6.5
25	MP1C	X	29.234	1.5
26	MP1C	Z	-16.879	1.5
27	MP1C	Mx	.023	1.5
28	MP1C	X	29.234	6.5
29	MP1C	Z	-16.879	6.5
30	MP1C	Mx	.023	6.5
31	MP1C	X	29.234	1.5
32	MP1C	Z	-16.879	1.5
33	MP1C	Mx	.033	1.5
34	MP1C	X	29.234	6.5
35	MP1C	Z	-16.879	6.5
36	MP1C	Mx	.033	6.5
37	MP4C	X	41.511	1.5
38	MP4C	Z	-23.966	1.5
39	MP4C	Mx	-.015	1.5
40	MP4C	X	41.511	6.5
41	MP4C	Z	-23.966	6.5
42	MP4C	Mx	-.015	6.5
43	MP4C	X	41.511	1.5
44	MP4C	Z	-23.966	1.5
45	MP4C	Mx	.055	1.5
46	MP4C	X	41.511	6.5
47	MP4C	Z	-23.966	6.5
48	MP4C	Mx	.055	6.5
49	MP3A	X	8.605	2
50	MP3A	Z	-4.968	2
51	MP3A	Mx	.004	2
52	MP3C	X	10.302	2
53	MP3C	Z	-5.948	2
54	MP3C	Mx	-.003	2
55	MP4B	X	8.605	2
56	MP4B	Z	-4.968	2
57	MP4B	Mx	-.004	2
58	MP1C	X	7.99	2
59	MP1C	Z	-4.613	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
60	MP1C	Mx	-.005	2
61	MP2A	X	8.707	2
62	MP2A	Z	-5.027	2
63	MP2A	Mx	.004	2
64	MP5C	X	10.336	2
65	MP5C	Z	-5.968	2
66	MP5C	Mx	-.003	2
67	OVP1	X	18.505	1
68	OVP1	Z	-10.684	1
69	OVP1	Mx	0	1
70	MP4D	X	27.799	1.5
71	MP4D	Z	-16.05	1.5
72	MP4D	Mx	-.038	1.5
73	MP4D	X	27.799	6.5
74	MP4D	Z	-16.05	6.5
75	MP4D	Mx	-.038	6.5
76	MP4D	X	27.799	1.5
77	MP4D	Z	-16.05	1.5
78	MP4D	Mx	.003	1.5
79	MP4D	X	27.799	6.5
80	MP4D	Z	-16.05	6.5
81	MP4D	Mx	.003	6.5
82	MP2D	X	8.219	3.5
83	MP2D	Z	-4.745	3.5
84	MP2D	Mx	-.005	3.5
85	MP2D	X	8.219	4.5
86	MP2D	Z	-4.745	4.5
87	MP2D	Mx	-.005	4.5
88	MP3D	X	9.749	2
89	MP3D	Z	-5.628	2
90	MP3D	Mx	.004	2
91	MP4D	X	9.805	2
92	MP4D	Z	-5.661	2
93	MP4D	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2C	X	5.319	3.5
2	MP2C	Z	0	3.5
3	MP2C	Mx	.004	3.5
4	MP2C	X	5.319	4.5
5	MP2C	Z	0	4.5
6	MP2C	Mx	.004	4.5
7	MP4A	X	5.264	3.5
8	MP4A	Z	0	3.5
9	MP4A	Mx	-.004	3.5
10	MP4A	X	5.264	4.5
11	MP4A	Z	0	4.5
12	MP4A	Mx	-.004	4.5
13	MP2A	X	25.792	1.5
14	MP2A	Z	0	1.5
15	MP2A	Mx	-.021	1.5
16	MP2A	X	25.792	6.5
17	MP2A	Z	0	6.5
18	MP2A	Mx	-.021	6.5
19	MP2A	X	25.792	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.021	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
22	MP2A	X	25.792	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	-.021	6.5
25	MP1C	X	35.467	1.5
26	MP1C	Z	0	1.5
27	MP1C	Mx	.038	1.5
28	MP1C	X	35.467	6.5
29	MP1C	Z	0	6.5
30	MP1C	Mx	.038	6.5
31	MP1C	X	35.467	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	.018	1.5
34	MP1C	X	35.467	6.5
35	MP1C	Z	0	6.5
36	MP1C	Mx	.018	6.5
37	MP4C	X	38.086	1.5
38	MP4C	Z	0	1.5
39	MP4C	Mx	.012	1.5
40	MP4C	X	38.086	6.5
41	MP4C	Z	0	6.5
42	MP4C	Mx	.012	6.5
43	MP4C	X	38.086	1.5
44	MP4C	Z	0	1.5
45	MP4C	Mx	.043	1.5
46	MP4C	X	38.086	6.5
47	MP4C	Z	0	6.5
48	MP4C	Mx	.043	6.5
49	MP3A	X	8.956	2
50	MP3A	Z	0	2
51	MP3A	Mx	.004	2
52	MP3C	X	9.936	2
53	MP3C	Z	0	2
54	MP3C	Mx	-.004	2
55	MP4B	X	8.956	2
56	MP4B	Z	0	2
57	MP4B	Mx	-.004	2
58	MP1C	X	9.553	2
59	MP1C	Z	0	2
60	MP1C	Mx	-.004	2
61	MP2A	X	9.113	2
62	MP2A	Z	0	2
63	MP2A	Mx	.005	2
64	MP5C	X	10.054	2
65	MP5C	Z	0	2
66	MP5C	Mx	-.004	2
67	OVP1	X	20.867	1
68	OVP1	Z	0	1
69	OVP1	Mx	0	1
70	MP4D	X	36.216	1.5
71	MP4D	Z	0	1.5
72	MP4D	Mx	-.035	1.5
73	MP4D	X	36.216	6.5
74	MP4D	Z	0	6.5
75	MP4D	Mx	-.035	6.5
76	MP4D	X	36.216	1.5
77	MP4D	Z	0	1.5
78	MP4D	Mx	.024	1.5
79	MP4D	X	36.216	6.5
80	MP4D	Z	0	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
81	MP4D	Mx	.024	6.5
82	MP2D	X	12.25	3.5
83	MP2D	Z	0	3.5
84	MP2D	Mx	-.002	3.5
85	MP2D	X	12.25	4.5
86	MP2D	Z	0	4.5
87	MP2D	Mx	-.002	4.5
88	MP3D	X	12.758	2
89	MP3D	Z	0	2
90	MP3D	Mx	.001	2
91	MP4D	X	12.763	2
92	MP4D	Z	0	2
93	MP4D	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2C	X	5.673	3.5
2	MP2C	Z	3.275	3.5
3	MP2C	Mx	.005	3.5
4	MP2C	X	5.673	4.5
5	MP2C	Z	3.275	4.5
6	MP2C	Mx	.005	4.5
7	MP4A	X	6.118	3.5
8	MP4A	Z	3.532	3.5
9	MP4A	Mx	-.005	3.5
10	MP4A	X	6.118	4.5
11	MP4A	Z	3.532	4.5
12	MP4A	Mx	-.005	4.5
13	MP2A	X	24.664	1.5
14	MP2A	Z	14.24	1.5
15	MP2A	Mx	-.013	1.5
16	MP2A	X	24.664	6.5
17	MP2A	Z	14.24	6.5
18	MP2A	Mx	-.013	6.5
19	MP2A	X	24.664	1.5
20	MP2A	Z	14.24	1.5
21	MP2A	Mx	-.028	1.5
22	MP2A	X	24.664	6.5
23	MP2A	Z	14.24	6.5
24	MP2A	Mx	-.028	6.5
25	MP1C	X	38.728	1.5
26	MP1C	Z	22.36	1.5
27	MP1C	Mx	.053	1.5
28	MP1C	X	38.728	6.5
29	MP1C	Z	22.36	6.5
30	MP1C	Mx	.053	6.5
31	MP1C	X	38.728	1.5
32	MP1C	Z	22.36	1.5
33	MP1C	Mx	-.005	1.5
34	MP1C	X	38.728	6.5
35	MP1C	Z	22.36	6.5
36	MP1C	Mx	-.005	6.5
37	MP4C	X	28.72	1.5
38	MP4C	Z	16.582	1.5
39	MP4C	Mx	.028	1.5
40	MP4C	X	28.72	6.5
41	MP4C	Z	16.582	6.5
42	MP4C	Mx	.028	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP4C	X	28.72	1.5
44	MP4C	Z	16.582	1.5
45	MP4C	Mx	.028	1.5
46	MP4C	X	28.72	6.5
47	MP4C	Z	16.582	6.5
48	MP4C	Mx	.028	6.5
49	MP3A	X	8.605	2
50	MP3A	Z	4.968	2
51	MP3A	Mx	.004	2
52	MP3C	X	7.756	2
53	MP3C	Z	4.478	2
54	MP3C	Mx	-.004	2
55	MP4B	X	8.605	2
56	MP4B	Z	4.968	2
57	MP4B	Mx	-.004	2
58	MP1C	X	9.805	2
59	MP1C	Z	5.661	2
60	MP1C	Mx	-.004	2
61	MP2A	X	8.707	2
62	MP2A	Z	5.027	2
63	MP2A	Mx	.004	2
64	MP5C	X	7.892	2
65	MP5C	Z	4.557	2
66	MP5C	Mx	-.005	2
67	OVP1	X	19.985	1
68	OVP1	Z	11.539	1
69	OVP1	Mx	0	1
70	MP4D	X	30.556	1.5
71	MP4D	Z	17.642	1.5
72	MP4D	Mx	-.018	1.5
73	MP4D	X	30.556	6.5
74	MP4D	Z	17.642	6.5
75	MP4D	Mx	-.018	6.5
76	MP4D	X	30.556	1.5
77	MP4D	Z	17.642	1.5
78	MP4D	Mx	.038	1.5
79	MP4D	X	30.556	6.5
80	MP4D	Z	17.642	6.5
81	MP4D	Mx	.038	6.5
82	MP2D	X	10.067	3.5
83	MP2D	Z	5.812	3.5
84	MP2D	Mx	.003	3.5
85	MP2D	X	10.067	4.5
86	MP2D	Z	5.812	4.5
87	MP2D	Mx	.003	4.5
88	MP3D	X	10.754	2
89	MP3D	Z	6.209	2
90	MP3D	Mx	-.002	2
91	MP4D	X	10.77	2
92	MP4D	Z	6.218	2
93	MP4D	Mx	-.002	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	5.049	3.5
2	MP2C	Z	8.744	3.5
3	MP2C	Mx	.005	3.5
4	MP2C	X	5.049	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
5	MP2C	Z	8.744	4.5
6	MP2C	Mx	.005	4.5
7	MP4A	X	5.333	3.5
8	MP4A	Z	9.237	3.5
9	MP4A	Mx	-.004	3.5
10	MP4A	X	5.333	4.5
11	MP4A	Z	9.237	4.5
12	MP4A	Mx	-.004	4.5
13	MP2A	X	16.927	1.5
14	MP2A	Z	29.318	1.5
15	MP2A	Mx	.000553	1.5
16	MP2A	X	16.927	6.5
17	MP2A	Z	29.318	6.5
18	MP2A	Mx	.000553	6.5
19	MP2A	X	16.927	1.5
20	MP2A	Z	29.318	1.5
21	MP2A	Mx	-.029	1.5
22	MP2A	X	16.927	6.5
23	MP2A	Z	29.318	6.5
24	MP2A	Mx	-.029	6.5
25	MP1C	X	26.131	1.5
26	MP1C	Z	45.26	1.5
27	MP1C	Mx	.05	1.5
28	MP1C	X	26.131	6.5
29	MP1C	Z	45.26	6.5
30	MP1C	Mx	.05	6.5
31	MP1C	X	26.131	1.5
32	MP1C	Z	45.26	1.5
33	MP1C	Mx	-.035	1.5
34	MP1C	X	26.131	6.5
35	MP1C	Z	45.26	6.5
36	MP1C	Mx	-.035	6.5
37	MP4C	X	19.043	1.5
38	MP4C	Z	32.984	1.5
39	MP4C	Mx	.043	1.5
40	MP4C	X	19.043	6.5
41	MP4C	Z	32.984	6.5
42	MP4C	Mx	.043	6.5
43	MP4C	X	19.043	1.5
44	MP4C	Z	32.984	1.5
45	MP4C	Mx	.012	1.5
46	MP4C	X	19.043	6.5
47	MP4C	Z	32.984	6.5
48	MP4C	Mx	.012	6.5
49	MP3A	X	5.948	2
50	MP3A	Z	10.302	2
51	MP3A	Mx	.003	2
52	MP3C	X	4.968	2
53	MP3C	Z	8.605	2
54	MP3C	Mx	-.004	2
55	MP4B	X	5.948	2
56	MP4B	Z	10.302	2
57	MP4B	Mx	-.003	2
58	MP1C	X	6.381	2
59	MP1C	Z	11.053	2
60	MP1C	Mx	-.001	2
61	MP2A	X	5.968	2
62	MP2A	Z	10.336	2
63	MP2A	Mx	.003	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
64	MP5C	X	5.027	2
65	MP5C	Z	8.707	2
66	MP5C	Mx	-.004	2
67	OVP1	X	12.894	1
68	OVP1	Z	22.333	1
69	OVP1	Mx	0	1
70	MP4D	X	15.116	1.5
71	MP4D	Z	26.183	1.5
72	MP4D	Mx	.003	1.5
73	MP4D	X	15.116	6.5
74	MP4D	Z	26.183	6.5
75	MP4D	Mx	.003	6.5
76	MP4D	X	15.116	1.5
77	MP4D	Z	26.183	1.5
78	MP4D	Mx	.035	1.5
79	MP4D	X	15.116	6.5
80	MP4D	Z	26.183	6.5
81	MP4D	Mx	.035	6.5
82	MP2D	X	4.12	3.5
83	MP2D	Z	7.136	3.5
84	MP2D	Mx	.005	3.5
85	MP2D	X	4.12	4.5
86	MP2D	Z	7.136	4.5
87	MP2D	Mx	.005	4.5
88	MP3D	X	5.288	2
89	MP3D	Z	9.159	2
90	MP3D	Mx	-.004	2
91	MP4D	X	5.334	2
92	MP4D	Z	9.239	2
93	MP4D	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	0	3.5
2	MP2C	Z	12.412	3.5
3	MP2C	Mx	.000901	3.5
4	MP2C	X	0	4.5
5	MP2C	Z	12.412	4.5
6	MP2C	Mx	.000901	4.5
7	MP4A	X	0	3.5
8	MP4A	Z	12.467	3.5
9	MP4A	Mx	0	3.5
10	MP4A	X	0	4.5
11	MP4A	Z	12.467	4.5
12	MP4A	Mx	0	4.5
13	MP2A	X	0	1.5
14	MP2A	Z	36.54	1.5
15	MP2A	Mx	.018	1.5
16	MP2A	X	0	6.5
17	MP2A	Z	36.54	6.5
18	MP2A	Mx	.018	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	36.54	1.5
21	MP2A	Mx	-.018	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	36.54	6.5
24	MP2A	Mx	-.018	6.5
25	MP1C	X	0	1.5



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

	Member Label	Direction	Magnitude(lb, k-ft)	Location(ft, %)
26	MP1C	Z	50.552	1.5
27	MP1C	Mx	.025	1.5
28	MP1C	X	0	6.5
29	MP1C	Z	50.552	6.5
30	MP1C	Mx	.025	6.5
31	MP1C	X	0	1.5
32	MP1C	Z	50.552	1.5
33	MP1C	Mx	-.054	1.5
34	MP1C	X	0	6.5
35	MP1C	Z	50.552	6.5
36	MP1C	Mx	-.054	6.5
37	MP4C	X	0	1.5
38	MP4C	Z	47.932	1.5
39	MP4C	Mx	.055	1.5
40	MP4C	X	0	6.5
41	MP4C	Z	47.932	6.5
42	MP4C	Mx	.055	6.5
43	MP4C	X	0	1.5
44	MP4C	Z	47.932	1.5
45	MP4C	Mx	-.015	1.5
46	MP4C	X	0	6.5
47	MP4C	Z	47.932	6.5
48	MP4C	Mx	-.015	6.5
49	MP3A	X	0	2
50	MP3A	Z	12.876	2
51	MP3A	Mx	0	2
52	MP3C	X	0	2
53	MP3C	Z	11.896	2
54	MP3C	Mx	-.003	2
55	MP4B	X	0	2
56	MP4B	Z	12.876	2
57	MP4B	Mx	0	2
58	MP1C	X	0	2
59	MP1C	Z	12.436	2
60	MP1C	Mx	.002	2
61	MP2A	X	0	2
62	MP2A	Z	12.876	2
63	MP2A	Mx	0	2
64	MP5C	X	0	2
65	MP5C	Z	11.935	2
66	MP5C	Mx	-.003	2
67	OVP1	X	0	1
68	OVP1	Z	26.289	1
69	OVP1	Mx	0	1
70	MP4D	X	0	1.5
71	MP4D	Z	26.116	1.5
72	MP4D	Mx	.018	1.5
73	MP4D	X	0	6.5
74	MP4D	Z	26.116	6.5
75	MP4D	Mx	.018	6.5
76	MP4D	X	0	1.5
77	MP4D	Z	26.116	1.5
78	MP4D	Mx	.025	1.5
79	MP4D	X	0	6.5
80	MP4D	Z	26.116	6.5
81	MP4D	Mx	.025	6.5
82	MP2D	X	0	3.5
83	MP2D	Z	5.481	3.5
84	MP2D	Mx	.004	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
85	MP2D	X	0	4.5
86	MP2D	Z	5.481	4.5
87	MP2D	Mx	.004	4.5
88	MP3D	X	0	2
89	MP3D	Z	9.075	2
90	MP3D	Mx	-.004	2
91	MP4D	X	0	2
92	MP4D	Z	9.227	2
93	MP4D	Mx	-.005	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2C	X	-5.59	3.5
2	MP2C	Z	9.683	3.5
3	MP2C	Mx	-.004	3.5
4	MP2C	X	-5.59	4.5
5	MP2C	Z	9.683	4.5
6	MP2C	Mx	-.004	4.5
7	MP4A	X	-5.333	3.5
8	MP4A	Z	9.237	3.5
9	MP4A	Mx	.004	3.5
10	MP4A	X	-5.333	4.5
11	MP4A	Z	9.237	4.5
12	MP4A	Mx	.004	4.5
13	MP2A	X	-16.927	1.5
14	MP2A	Z	29.318	1.5
15	MP2A	Mx	.029	1.5
16	MP2A	X	-16.927	6.5
17	MP2A	Z	29.318	6.5
18	MP2A	Mx	.029	6.5
19	MP2A	X	-16.927	1.5
20	MP2A	Z	29.318	1.5
21	MP2A	Mx	-.000553	1.5
22	MP2A	X	-16.927	6.5
23	MP2A	Z	29.318	6.5
24	MP2A	Mx	-.000553	6.5
25	MP1C	X	-20.65	1.5
26	MP1C	Z	35.766	1.5
27	MP1C	Mx	-.004	1.5
28	MP1C	X	-20.65	6.5
29	MP1C	Z	35.766	6.5
30	MP1C	Mx	-.004	6.5
31	MP1C	X	-20.65	1.5
32	MP1C	Z	35.766	1.5
33	MP1C	Mx	-.048	1.5
34	MP1C	X	-20.65	6.5
35	MP1C	Z	35.766	6.5
36	MP1C	Mx	-.048	6.5
37	MP4C	X	-26.428	1.5
38	MP4C	Z	45.774	1.5
39	MP4C	Mx	.044	1.5
40	MP4C	X	-26.428	6.5
41	MP4C	Z	45.774	6.5
42	MP4C	Mx	.044	6.5
43	MP4C	X	-26.428	1.5
44	MP4C	Z	45.774	1.5
45	MP4C	Mx	-.044	1.5
46	MP4C	X	-26.428	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
47	MP4C	Z	45.774	6.5
48	MP4C	Mx	-.044	6.5
49	MP3A	X	-5.948	2
50	MP3A	Z	10.302	2
51	MP3A	Mx	-.003	2
52	MP3C	X	-6.438	2
53	MP3C	Z	11.151	2
54	MP3C	Mx	0	2
55	MP4B	X	-5.948	2
56	MP4B	Z	10.302	2
57	MP4B	Mx	.003	2
58	MP1C	X	-5.334	2
59	MP1C	Z	9.239	2
60	MP1C	Mx	.004	2
61	MP2A	X	-5.968	2
62	MP2A	Z	10.336	2
63	MP2A	Mx	-.003	2
64	MP5C	X	-6.438	2
65	MP5C	Z	11.151	2
66	MP5C	Mx	0	2
67	OVP1	X	-12.04	1
68	OVP1	Z	20.853	1
69	OVP1	Mx	0	1
70	MP4D	X	-13.525	1.5
71	MP4D	Z	23.425	1.5
72	MP4D	Mx	.029	1.5
73	MP4D	X	-13.525	6.5
74	MP4D	Z	23.425	6.5
75	MP4D	Mx	.029	6.5
76	MP4D	X	-13.525	1.5
77	MP4D	Z	23.425	1.5
78	MP4D	Mx	.013	1.5
79	MP4D	X	-13.525	6.5
80	MP4D	Z	23.425	6.5
81	MP4D	Mx	.013	6.5
82	MP2D	X	-3.053	3.5
83	MP2D	Z	5.288	3.5
84	MP2D	Mx	.005	3.5
85	MP2D	X	-3.053	4.5
86	MP2D	Z	5.288	4.5
87	MP2D	Mx	.005	4.5
88	MP3D	X	-4.707	2
89	MP3D	Z	8.154	2
90	MP3D	Mx	-.004	2
91	MP4D	X	-4.777	2
92	MP4D	Z	8.273	2
93	MP4D	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	-6.611	3.5
2	MP2C	Z	3.817	3.5
3	MP2C	Mx	-.005	3.5
4	MP2C	X	-6.611	4.5
5	MP2C	Z	3.817	4.5
6	MP2C	Mx	-.005	4.5
7	MP4A	X	-6.118	3.5
8	MP4A	Z	3.532	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
9	MP4A	Mx	.005	3.5
10	MP4A	X	-6.118	4.5
11	MP4A	Z	3.532	4.5
12	MP4A	Mx	.005	4.5
13	MP2A	X	-24.664	1.5
14	MP2A	Z	14.24	1.5
15	MP2A	Mx	.028	1.5
16	MP2A	X	-24.664	6.5
17	MP2A	Z	14.24	6.5
18	MP2A	Mx	.028	6.5
19	MP2A	X	-24.664	1.5
20	MP2A	Z	14.24	1.5
21	MP2A	Mx	.013	1.5
22	MP2A	X	-24.664	6.5
23	MP2A	Z	14.24	6.5
24	MP2A	Mx	.013	6.5
25	MP1C	X	-29.234	1.5
26	MP1C	Z	16.879	1.5
27	MP1C	Mx	-.023	1.5
28	MP1C	X	-29.234	6.5
29	MP1C	Z	16.879	6.5
30	MP1C	Mx	-.023	6.5
31	MP1C	X	-29.234	1.5
32	MP1C	Z	16.879	1.5
33	MP1C	Mx	-.033	1.5
34	MP1C	X	-29.234	6.5
35	MP1C	Z	16.879	6.5
36	MP1C	Mx	-.033	6.5
37	MP4C	X	-41.511	1.5
38	MP4C	Z	23.966	1.5
39	MP4C	Mx	.015	1.5
40	MP4C	X	-41.511	6.5
41	MP4C	Z	23.966	6.5
42	MP4C	Mx	.015	6.5
43	MP4C	X	-41.511	1.5
44	MP4C	Z	23.966	1.5
45	MP4C	Mx	-.055	1.5
46	MP4C	X	-41.511	6.5
47	MP4C	Z	23.966	6.5
48	MP4C	Mx	-.055	6.5
49	MP3A	X	-8.605	2
50	MP3A	Z	4.968	2
51	MP3A	Mx	-.004	2
52	MP3C	X	-10.302	2
53	MP3C	Z	5.948	2
54	MP3C	Mx	.003	2
55	MP4B	X	-8.605	2
56	MP4B	Z	4.968	2
57	MP4B	Mx	.004	2
58	MP1C	X	-7.99	2
59	MP1C	Z	4.613	2
60	MP1C	Mx	.005	2
61	MP2A	X	-8.707	2
62	MP2A	Z	5.027	2
63	MP2A	Mx	-.004	2
64	MP5C	X	-10.336	2
65	MP5C	Z	5.968	2
66	MP5C	Mx	.003	2
67	OVP1	X	-18.505	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
68	OVP1	Z	10.684	1
69	OVP1	Mx	0	1
70	MP4D	X	-27.799	1.5
71	MP4D	Z	16.05	1.5
72	MP4D	Mx	.038	1.5
73	MP4D	X	-27.799	6.5
74	MP4D	Z	16.05	6.5
75	MP4D	Mx	.038	6.5
76	MP4D	X	-27.799	1.5
77	MP4D	Z	16.05	1.5
78	MP4D	Mx	-.003	1.5
79	MP4D	X	-27.799	6.5
80	MP4D	Z	16.05	6.5
81	MP4D	Mx	-.003	6.5
82	MP2D	X	-8.219	3.5
83	MP2D	Z	4.745	3.5
84	MP2D	Mx	.005	3.5
85	MP2D	X	-8.219	4.5
86	MP2D	Z	4.745	4.5
87	MP2D	Mx	.005	4.5
88	MP3D	X	-9.749	2
89	MP3D	Z	5.628	2
90	MP3D	Mx	-.004	2
91	MP4D	X	-9.805	2
92	MP4D	Z	5.661	2
93	MP4D	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	-5.319	3.5
2	MP2C	Z	0	3.5
3	MP2C	Mx	-.004	3.5
4	MP2C	X	-5.319	4.5
5	MP2C	Z	0	4.5
6	MP2C	Mx	-.004	4.5
7	MP4A	X	-5.264	3.5
8	MP4A	Z	0	3.5
9	MP4A	Mx	.004	3.5
10	MP4A	X	-5.264	4.5
11	MP4A	Z	0	4.5
12	MP4A	Mx	.004	4.5
13	MP2A	X	-25.792	1.5
14	MP2A	Z	0	1.5
15	MP2A	Mx	.021	1.5
16	MP2A	X	-25.792	6.5
17	MP2A	Z	0	6.5
18	MP2A	Mx	.021	6.5
19	MP2A	X	-25.792	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.021	1.5
22	MP2A	X	-25.792	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	.021	6.5
25	MP1C	X	-35.467	1.5
26	MP1C	Z	0	1.5
27	MP1C	Mx	-.038	1.5
28	MP1C	X	-35.467	6.5
29	MP1C	Z	0	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
30	MP1C	Mx	-.038	6.5
31	MP1C	X	-35.467	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	-.018	1.5
34	MP1C	X	-35.467	6.5
35	MP1C	Z	0	6.5
36	MP1C	Mx	-.018	6.5
37	MP4C	X	-38.086	1.5
38	MP4C	Z	0	1.5
39	MP4C	Mx	-.012	1.5
40	MP4C	X	-38.086	6.5
41	MP4C	Z	0	6.5
42	MP4C	Mx	-.012	6.5
43	MP4C	X	-38.086	1.5
44	MP4C	Z	0	1.5
45	MP4C	Mx	-.043	1.5
46	MP4C	X	-38.086	6.5
47	MP4C	Z	0	6.5
48	MP4C	Mx	-.043	6.5
49	MP3A	X	-8.956	2
50	MP3A	Z	0	2
51	MP3A	Mx	-.004	2
52	MP3C	X	-9.936	2
53	MP3C	Z	0	2
54	MP3C	Mx	.004	2
55	MP4B	X	-8.956	2
56	MP4B	Z	0	2
57	MP4B	Mx	.004	2
58	MP1C	X	-9.553	2
59	MP1C	Z	0	2
60	MP1C	Mx	.004	2
61	MP2A	X	-9.113	2
62	MP2A	Z	0	2
63	MP2A	Mx	-.005	2
64	MP5C	X	-10.054	2
65	MP5C	Z	0	2
66	MP5C	Mx	.004	2
67	OVP1	X	-20.867	1
68	OVP1	Z	0	1
69	OVP1	Mx	0	1
70	MP4D	X	-36.216	1.5
71	MP4D	Z	0	1.5
72	MP4D	Mx	.035	1.5
73	MP4D	X	-36.216	6.5
74	MP4D	Z	0	6.5
75	MP4D	Mx	.035	6.5
76	MP4D	X	-36.216	1.5
77	MP4D	Z	0	1.5
78	MP4D	Mx	-.024	1.5
79	MP4D	X	-36.216	6.5
80	MP4D	Z	0	6.5
81	MP4D	Mx	-.024	6.5
82	MP2D	X	-12.25	3.5
83	MP2D	Z	0	3.5
84	MP2D	Mx	.002	3.5
85	MP2D	X	-12.25	4.5
86	MP2D	Z	0	4.5
87	MP2D	Mx	.002	4.5
88	MP3D	X	-12.758	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
89	MP3D	Z	0	2
90	MP3D	Mx	-.001	2
91	MP4D	X	-12.763	2
92	MP4D	Z	0	2
93	MP4D	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	-5.673	3.5
2	MP2C	Z	-3.275	3.5
3	MP2C	Mx	-.005	3.5
4	MP2C	X	-5.673	4.5
5	MP2C	Z	-3.275	4.5
6	MP2C	Mx	-.005	4.5
7	MP4A	X	-6.118	3.5
8	MP4A	Z	-3.532	3.5
9	MP4A	Mx	.005	3.5
10	MP4A	X	-6.118	4.5
11	MP4A	Z	-3.532	4.5
12	MP4A	Mx	.005	4.5
13	MP2A	X	-24.664	1.5
14	MP2A	Z	-14.24	1.5
15	MP2A	Mx	.013	1.5
16	MP2A	X	-24.664	6.5
17	MP2A	Z	-14.24	6.5
18	MP2A	Mx	.013	6.5
19	MP2A	X	-24.664	1.5
20	MP2A	Z	-14.24	1.5
21	MP2A	Mx	.028	1.5
22	MP2A	X	-24.664	6.5
23	MP2A	Z	-14.24	6.5
24	MP2A	Mx	.028	6.5
25	MP1C	X	-38.728	1.5
26	MP1C	Z	-22.36	1.5
27	MP1C	Mx	-.053	1.5
28	MP1C	X	-38.728	6.5
29	MP1C	Z	-22.36	6.5
30	MP1C	Mx	-.053	6.5
31	MP1C	X	-38.728	1.5
32	MP1C	Z	-22.36	1.5
33	MP1C	Mx	.005	1.5
34	MP1C	X	-38.728	6.5
35	MP1C	Z	-22.36	6.5
36	MP1C	Mx	.005	6.5
37	MP4C	X	-28.72	1.5
38	MP4C	Z	-16.582	1.5
39	MP4C	Mx	-.028	1.5
40	MP4C	X	-28.72	6.5
41	MP4C	Z	-16.582	6.5
42	MP4C	Mx	-.028	6.5
43	MP4C	X	-28.72	1.5
44	MP4C	Z	-16.582	1.5
45	MP4C	Mx	-.028	1.5
46	MP4C	X	-28.72	6.5
47	MP4C	Z	-16.582	6.5
48	MP4C	Mx	-.028	6.5
49	MP3A	X	-8.605	2
50	MP3A	Z	-4.968	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
51	MP3A	Mx	-.004	2
52	MP3C	X	-7.756	2
53	MP3C	Z	-4.478	2
54	MP3C	Mx	.004	2
55	MP4B	X	-8.605	2
56	MP4B	Z	-4.968	2
57	MP4B	Mx	.004	2
58	MP1C	X	-9.805	2
59	MP1C	Z	-5.661	2
60	MP1C	Mx	.004	2
61	MP2A	X	-8.707	2
62	MP2A	Z	-5.027	2
63	MP2A	Mx	-.004	2
64	MP5C	X	-7.892	2
65	MP5C	Z	-4.557	2
66	MP5C	Mx	.005	2
67	OVP1	X	-19.985	1
68	OVP1	Z	-11.539	1
69	OVP1	Mx	0	1
70	MP4D	X	-30.556	1.5
71	MP4D	Z	-17.642	1.5
72	MP4D	Mx	.018	1.5
73	MP4D	X	-30.556	6.5
74	MP4D	Z	-17.642	6.5
75	MP4D	Mx	.018	6.5
76	MP4D	X	-30.556	1.5
77	MP4D	Z	-17.642	1.5
78	MP4D	Mx	-.038	1.5
79	MP4D	X	-30.556	6.5
80	MP4D	Z	-17.642	6.5
81	MP4D	Mx	-.038	6.5
82	MP2D	X	-10.067	3.5
83	MP2D	Z	-5.812	3.5
84	MP2D	Mx	-.003	3.5
85	MP2D	X	-10.067	4.5
86	MP2D	Z	-5.812	4.5
87	MP2D	Mx	-.003	4.5
88	MP3D	X	-10.754	2
89	MP3D	Z	-6.209	2
90	MP3D	Mx	.002	2
91	MP4D	X	-10.77	2
92	MP4D	Z	-6.218	2
93	MP4D	Mx	.002	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2C	X	-5.049	3.5
2	MP2C	Z	-8.744	3.5
3	MP2C	Mx	-.005	3.5
4	MP2C	X	-5.049	4.5
5	MP2C	Z	-8.744	4.5
6	MP2C	Mx	-.005	4.5
7	MP4A	X	-5.333	3.5
8	MP4A	Z	-9.237	3.5
9	MP4A	Mx	.004	3.5
10	MP4A	X	-5.333	4.5
11	MP4A	Z	-9.237	4.5
12	MP4A	Mx	.004	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
13	MP2A	X	-16.927	1.5
14	MP2A	Z	-29.318	1.5
15	MP2A	Mx	-.000553	1.5
16	MP2A	X	-16.927	6.5
17	MP2A	Z	-29.318	6.5
18	MP2A	Mx	-.000553	6.5
19	MP2A	X	-16.927	1.5
20	MP2A	Z	-29.318	1.5
21	MP2A	Mx	.029	1.5
22	MP2A	X	-16.927	6.5
23	MP2A	Z	-29.318	6.5
24	MP2A	Mx	.029	6.5
25	MP1C	X	-26.131	1.5
26	MP1C	Z	-45.26	1.5
27	MP1C	Mx	-.05	1.5
28	MP1C	X	-26.131	6.5
29	MP1C	Z	-45.26	6.5
30	MP1C	Mx	-.05	6.5
31	MP1C	X	-26.131	1.5
32	MP1C	Z	-45.26	1.5
33	MP1C	Mx	.035	1.5
34	MP1C	X	-26.131	6.5
35	MP1C	Z	-45.26	6.5
36	MP1C	Mx	.035	6.5
37	MP4C	X	-19.043	1.5
38	MP4C	Z	-32.984	1.5
39	MP4C	Mx	-.043	1.5
40	MP4C	X	-19.043	6.5
41	MP4C	Z	-32.984	6.5
42	MP4C	Mx	-.043	6.5
43	MP4C	X	-19.043	1.5
44	MP4C	Z	-32.984	1.5
45	MP4C	Mx	-.012	1.5
46	MP4C	X	-19.043	6.5
47	MP4C	Z	-32.984	6.5
48	MP4C	Mx	-.012	6.5
49	MP3A	X	-5.948	2
50	MP3A	Z	-10.302	2
51	MP3A	Mx	-.003	2
52	MP3C	X	-4.968	2
53	MP3C	Z	-8.605	2
54	MP3C	Mx	.004	2
55	MP4B	X	-5.948	2
56	MP4B	Z	-10.302	2
57	MP4B	Mx	.003	2
58	MP1C	X	-6.381	2
59	MP1C	Z	-11.053	2
60	MP1C	Mx	.001	2
61	MP2A	X	-5.968	2
62	MP2A	Z	-10.336	2
63	MP2A	Mx	-.003	2
64	MP5C	X	-5.027	2
65	MP5C	Z	-8.707	2
66	MP5C	Mx	.004	2
67	OVP1	X	-12.894	1
68	OVP1	Z	-22.333	1
69	OVP1	Mx	0	1
70	MP4D	X	-15.116	1.5
71	MP4D	Z	-26.183	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP4D	Mx	-.003	1.5
73	MP4D	X	-15.116	6.5
74	MP4D	Z	-26.183	6.5
75	MP4D	Mx	-.003	6.5
76	MP4D	X	-15.116	1.5
77	MP4D	Z	-26.183	1.5
78	MP4D	Mx	-.035	1.5
79	MP4D	X	-15.116	6.5
80	MP4D	Z	-26.183	6.5
81	MP4D	Mx	-.035	6.5
82	MP2D	X	-4.12	3.5
83	MP2D	Z	-7.136	3.5
84	MP2D	Mx	-.005	3.5
85	MP2D	X	-4.12	4.5
86	MP2D	Z	-7.136	4.5
87	MP2D	Mx	-.005	4.5
88	MP3D	X	-5.288	2
89	MP3D	Z	-9.159	2
90	MP3D	Mx	.004	2
91	MP4D	X	-5.334	2
92	MP4D	Z	-9.239	2
93	MP4D	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	0	3.5
2	MP2C	Z	-3.258	3.5
3	MP2C	Mx	-.000237	3.5
4	MP2C	X	0	4.5
5	MP2C	Z	-3.258	4.5
6	MP2C	Mx	-.000237	4.5
7	MP4A	X	0	3.5
8	MP4A	Z	-3.274	3.5
9	MP4A	Mx	0	3.5
10	MP4A	X	0	4.5
11	MP4A	Z	-3.274	4.5
12	MP4A	Mx	0	4.5
13	MP2A	X	0	1.5
14	MP2A	Z	-12.028	1.5
15	MP2A	Mx	-.006	1.5
16	MP2A	X	0	6.5
17	MP2A	Z	-12.028	6.5
18	MP2A	Mx	-.006	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	-12.028	1.5
21	MP2A	Mx	.006	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	-12.028	6.5
24	MP2A	Mx	.006	6.5
25	MP1C	X	0	1.5
26	MP1C	Z	-9.357	1.5
27	MP1C	Mx	-.005	1.5
28	MP1C	X	0	6.5
29	MP1C	Z	-9.357	6.5
30	MP1C	Mx	-.005	6.5
31	MP1C	X	0	1.5
32	MP1C	Z	-9.357	1.5
33	MP1C	Mx	.01	1.5



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft. %)
34	MP1C	X	0	6.5
35	MP1C	Z	-9.357	6.5
36	MP1C	Mx	.01	6.5
37	MP4C	X	0	1.5
38	MP4C	Z	-8.687	1.5
39	MP4C	Mx	-.01	1.5
40	MP4C	X	0	6.5
41	MP4C	Z	-8.687	6.5
42	MP4C	Mx	-.01	6.5
43	MP4C	X	0	1.5
44	MP4C	Z	-8.687	1.5
45	MP4C	Mx	.003	1.5
46	MP4C	X	0	6.5
47	MP4C	Z	-8.687	6.5
48	MP4C	Mx	.003	6.5
49	MP3A	X	0	2
50	MP3A	Z	-3.212	2
51	MP3A	Mx	0	2
52	MP3C	X	0	2
53	MP3C	Z	-2.947	2
54	MP3C	Mx	.000737	2
55	MP4B	X	0	2
56	MP4B	Z	-3.212	2
57	MP4B	Mx	0	2
58	MP1C	X	0	2
59	MP1C	Z	-3.731	2
60	MP1C	Mx	-.000638	2
61	MP2A	X	0	2
62	MP2A	Z	-3.875	2
63	MP2A	Mx	0	2
64	MP5C	X	0	2
65	MP5C	Z	-3.567	2
66	MP5C	Mx	.000892	2
67	OVP1	X	0	1
68	OVP1	Z	-6.521	1
69	OVP1	Mx	0	1
70	MP4D	X	0	1.5
71	MP4D	Z	-8.357	1.5
72	MP4D	Mx	-.006	1.5
73	MP4D	X	0	6.5
74	MP4D	Z	-8.357	6.5
75	MP4D	Mx	-.006	6.5
76	MP4D	X	0	1.5
77	MP4D	Z	-8.357	1.5
78	MP4D	Mx	-.008	1.5
79	MP4D	X	0	6.5
80	MP4D	Z	-8.357	6.5
81	MP4D	Mx	-.008	6.5
82	MP2D	X	0	3.5
83	MP2D	Z	-1.214	3.5
84	MP2D	Mx	-.000996	3.5
85	MP2D	X	0	4.5
86	MP2D	Z	-1.214	4.5
87	MP2D	Mx	-.000996	4.5
88	MP3D	X	0	2
89	MP3D	Z	-2.187	2
90	MP3D	Mx	.001	2
91	MP4D	X	0	2
92	MP4D	Z	-2.679	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
93	MP4D	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2C	X	1.447	3.5
2	MP2C	Z	-2.507	3.5
3	MP2C	Mx	.001	3.5
4	MP2C	X	1.447	4.5
5	MP2C	Z	-2.507	4.5
6	MP2C	Mx	.001	4.5
7	MP4A	X	1.371	3.5
8	MP4A	Z	-2.375	3.5
9	MP4A	Mx	-.001	3.5
10	MP4A	X	1.371	4.5
11	MP4A	Z	-2.375	4.5
12	MP4A	Mx	-.001	4.5
13	MP2A	X	5.541	1.5
14	MP2A	Z	-9.597	1.5
15	MP2A	Mx	-.009	1.5
16	MP2A	X	5.541	6.5
17	MP2A	Z	-9.597	6.5
18	MP2A	Mx	-.009	6.5
19	MP2A	X	5.541	1.5
20	MP2A	Z	-9.597	1.5
21	MP2A	Mx	.000181	1.5
22	MP2A	X	5.541	6.5
23	MP2A	Z	-9.597	6.5
24	MP2A	Mx	.000181	6.5
25	MP1C	X	3.496	1.5
26	MP1C	Z	-6.054	1.5
27	MP1C	Mx	.000719	1.5
28	MP1C	X	3.496	6.5
29	MP1C	Z	-6.054	6.5
30	MP1C	Mx	.000719	6.5
31	MP1C	X	3.496	1.5
32	MP1C	Z	-6.054	1.5
33	MP1C	Mx	.008	1.5
34	MP1C	X	3.496	6.5
35	MP1C	Z	-6.054	6.5
36	MP1C	Mx	.008	6.5
37	MP4C	X	4.973	1.5
38	MP4C	Z	-8.613	1.5
39	MP4C	Mx	-.008	1.5
40	MP4C	X	4.973	6.5
41	MP4C	Z	-8.613	6.5
42	MP4C	Mx	-.008	6.5
43	MP4C	X	4.973	1.5
44	MP4C	Z	-8.613	1.5
45	MP4C	Mx	.008	1.5
46	MP4C	X	4.973	6.5
47	MP4C	Z	-8.613	6.5
48	MP4C	Mx	.008	6.5
49	MP3A	X	1.474	2
50	MP3A	Z	-2.553	2
51	MP3A	Mx	.000737	2
52	MP3C	X	1.606	2
53	MP3C	Z	-2.781	2
54	MP3C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
55	MP4B	X	1.474	2
56	MP4B	Z	-2.553	2
57	MP4B	Mx	-.000737	2
58	MP1C	X	1.576	2
59	MP1C	Z	-2.729	2
60	MP1C	Mx	-.001	2
61	MP2A	X	1.783	2
62	MP2A	Z	-3.089	2
63	MP2A	Mx	.000892	2
64	MP5C	X	1.937	2
65	MP5C	Z	-3.356	2
66	MP5C	Mx	0	2
67	OVP1	X	2.959	1
68	OVP1	Z	-5.125	1
69	OVP1	Mx	0	1
70	MP4D	X	4.343	1.5
71	MP4D	Z	-7.522	1.5
72	MP4D	Mx	-.009	1.5
73	MP4D	X	4.343	6.5
74	MP4D	Z	-7.522	6.5
75	MP4D	Mx	-.009	6.5
76	MP4D	X	4.343	1.5
77	MP4D	Z	-7.522	1.5
78	MP4D	Mx	-.004	1.5
79	MP4D	X	4.343	6.5
80	MP4D	Z	-7.522	6.5
81	MP4D	Mx	-.004	6.5
82	MP2D	X	.699	3.5
83	MP2D	Z	-1.211	3.5
84	MP2D	Mx	-.001	3.5
85	MP2D	X	.699	4.5
86	MP2D	Z	-1.211	4.5
87	MP2D	Mx	-.001	4.5
88	MP3D	X	1.139	2
89	MP3D	Z	-1.973	2
90	MP3D	Mx	.001	2
91	MP4D	X	1.393	2
92	MP4D	Z	-2.413	2
93	MP4D	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	1.601	3.5
2	MP2C	Z	-.924	3.5
3	MP2C	Mx	.001	3.5
4	MP2C	X	1.601	4.5
5	MP2C	Z	-.924	4.5
6	MP2C	Mx	.001	4.5
7	MP4A	X	1.456	3.5
8	MP4A	Z	-.84	3.5
9	MP4A	Mx	-.001	3.5
10	MP4A	X	1.456	4.5
11	MP4A	Z	-.84	4.5
12	MP4A	Mx	-.001	4.5
13	MP2A	X	7.958	1.5
14	MP2A	Z	-4.595	1.5
15	MP2A	Mx	-.009	1.5
16	MP2A	X	7.958	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
17	MP2A	Z	-4.595	6.5
18	MP2A	Mx	-.009	6.5
19	MP2A	X	7.958	1.5
20	MP2A	Z	-4.595	1.5
21	MP2A	Mx	-.004	1.5
22	MP2A	X	7.958	6.5
23	MP2A	Z	-4.595	6.5
24	MP2A	Mx	-.004	6.5
25	MP1C	X	4.384	1.5
26	MP1C	Z	-2.531	1.5
27	MP1C	Mx	.003	1.5
28	MP1C	X	4.384	6.5
29	MP1C	Z	-2.531	6.5
30	MP1C	Mx	.003	6.5
31	MP1C	X	4.384	1.5
32	MP1C	Z	-2.531	1.5
33	MP1C	Mx	.005	1.5
34	MP1C	X	4.384	6.5
35	MP1C	Z	-2.531	6.5
36	MP1C	Mx	.005	6.5
37	MP4C	X	7.523	1.5
38	MP4C	Z	-4.344	1.5
39	MP4C	Mx	-.003	1.5
40	MP4C	X	7.523	6.5
41	MP4C	Z	-4.344	6.5
42	MP4C	Mx	-.003	6.5
43	MP4C	X	7.523	1.5
44	MP4C	Z	-4.344	1.5
45	MP4C	Mx	.01	1.5
46	MP4C	X	7.523	6.5
47	MP4C	Z	-4.344	6.5
48	MP4C	Mx	.01	6.5
49	MP3A	X	2.095	2
50	MP3A	Z	-1.21	2
51	MP3A	Mx	.001	2
52	MP3C	X	2.553	2
53	MP3C	Z	-1.474	2
54	MP3C	Mx	-.000737	2
55	MP4B	X	2.095	2
56	MP4B	Z	-1.21	2
57	MP4B	Mx	-.001	2
58	MP1C	X	2.32	2
59	MP1C	Z	-1.34	2
60	MP1C	Mx	-.001	2
61	MP2A	X	2.555	2
62	MP2A	Z	-1.475	2
63	MP2A	Mx	.001	2
64	MP5C	X	3.089	2
65	MP5C	Z	-1.783	2
66	MP5C	Mx	-.000892	2
67	OVP1	X	4.484	1
68	OVP1	Z	-2.589	1
69	OVP1	Mx	0	1
70	MP4D	X	9.062	1.5
71	MP4D	Z	-5.232	1.5
72	MP4D	Mx	-.012	1.5
73	MP4D	X	9.062	6.5
74	MP4D	Z	-5.232	6.5
75	MP4D	Mx	-.012	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
76	MP4D	X	9.062	1.5
77	MP4D	Z	-5.232	1.5
78	MP4D	Mx	.001	1.5
79	MP4D	X	9.062	6.5
80	MP4D	Z	-5.232	6.5
81	MP4D	Mx	.001	6.5
82	MP2D	X	2.075	3.5
83	MP2D	Z	-1.198	3.5
84	MP2D	Mx	-.001	3.5
85	MP2D	X	2.075	4.5
86	MP2D	Z	-1.198	4.5
87	MP2D	Mx	-.001	4.5
88	MP3D	X	2.403	2
89	MP3D	Z	-1.388	2
90	MP3D	Mx	.000892	2
91	MP4D	X	2.914	2
92	MP4D	Z	-1.683	2
93	MP4D	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	1.166	3.5
2	MP2C	Z	0	3.5
3	MP2C	Mx	.000968	3.5
4	MP2C	X	1.166	4.5
5	MP2C	Z	0	4.5
6	MP2C	Mx	.000968	4.5
7	MP4A	X	1.15	3.5
8	MP4A	Z	0	3.5
9	MP4A	Mx	-.000958	3.5
10	MP4A	X	1.15	4.5
11	MP4A	Z	0	4.5
12	MP4A	Mx	-.000958	4.5
13	MP2A	X	8.243	1.5
14	MP2A	Z	0	1.5
15	MP2A	Mx	-.007	1.5
16	MP2A	X	8.243	6.5
17	MP2A	Z	0	6.5
18	MP2A	Mx	-.007	6.5
19	MP2A	X	8.243	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.007	1.5
22	MP2A	X	8.243	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	-.007	6.5
25	MP1C	X	5.5	1.5
26	MP1C	Z	0	1.5
27	MP1C	Mx	.006	1.5
28	MP1C	X	5.5	6.5
29	MP1C	Z	0	6.5
30	MP1C	Mx	.006	6.5
31	MP1C	X	5.5	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	.003	1.5
34	MP1C	X	5.5	6.5
35	MP1C	Z	0	6.5
36	MP1C	Mx	.003	6.5
37	MP4C	X	6.17	1.5



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
38	MP4C	Z	0	1.5
39	MP4C	Mx	.002	1.5
40	MP4C	X	6.17	6.5
41	MP4C	Z	0	6.5
42	MP4C	Mx	.002	6.5
43	MP4C	X	6.17	1.5
44	MP4C	Z	0	1.5
45	MP4C	Mx	.007	1.5
46	MP4C	X	6.17	6.5
47	MP4C	Z	0	6.5
48	MP4C	Mx	.007	6.5
49	MP3A	X	2.155	2
50	MP3A	Z	0	2
51	MP3A	Mx	.001	2
52	MP3C	X	2.419	2
53	MP3C	Z	0	2
54	MP3C	Mx	-.001	2
55	MP4B	X	2.155	2
56	MP4B	Z	0	2
57	MP4B	Mx	-.001	2
58	MP1C	X	2.786	2
59	MP1C	Z	0	2
60	MP1C	Mx	-.001	2
61	MP2A	X	2.642	2
62	MP2A	Z	0	2
63	MP2A	Mx	.001	2
64	MP5C	X	2.95	2
65	MP5C	Z	0	2
66	MP5C	Mx	-.001	2
67	OVP1	X	5.041	1
68	OVP1	Z	0	1
69	OVP1	Mx	0	1
70	MP4D	X	11.914	1.5
71	MP4D	Z	0	1.5
72	MP4D	Mx	-.012	1.5
73	MP4D	X	11.914	6.5
74	MP4D	Z	0	6.5
75	MP4D	Mx	-.012	6.5
76	MP4D	X	11.914	1.5
77	MP4D	Z	0	1.5
78	MP4D	Mx	.008	1.5
79	MP4D	X	11.914	6.5
80	MP4D	Z	0	6.5
81	MP4D	Mx	.008	6.5
82	MP2D	X	3.21	3.5
83	MP2D	Z	0	3.5
84	MP2D	Mx	-.000465	3.5
85	MP2D	X	3.21	4.5
86	MP2D	Z	0	4.5
87	MP2D	Mx	-.000465	4.5
88	MP3D	X	3.18	2
89	MP3D	Z	0	2
90	MP3D	Mx	.000276	2
91	MP4D	X	3.838	2
92	MP4D	Z	0	2
93	MP4D	Mx	.000333	2

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



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	1.324	3.5
2	MP2C	Z	.765	3.5
3	MP2C	Mx	.001	3.5
4	MP2C	X	1.324	4.5
5	MP2C	Z	.765	4.5
6	MP2C	Mx	.001	4.5
7	MP4A	X	1.456	3.5
8	MP4A	Z	.84	3.5
9	MP4A	Mx	-.001	3.5
10	MP4A	X	1.456	4.5
11	MP4A	Z	.84	4.5
12	MP4A	Mx	-.001	4.5
13	MP2A	X	7.958	1.5
14	MP2A	Z	4.595	1.5
15	MP2A	Mx	-.004	1.5
16	MP2A	X	7.958	6.5
17	MP2A	Z	4.595	6.5
18	MP2A	Mx	-.004	6.5
19	MP2A	X	7.958	1.5
20	MP2A	Z	4.595	1.5
21	MP2A	Mx	-.009	1.5
22	MP2A	X	7.958	6.5
23	MP2A	Z	4.595	6.5
24	MP2A	Mx	-.009	6.5
25	MP1C	X	6.812	1.5
26	MP1C	Z	3.933	1.5
27	MP1C	Mx	.009	1.5
28	MP1C	X	6.812	6.5
29	MP1C	Z	3.933	6.5
30	MP1C	Mx	.009	6.5
31	MP1C	X	6.812	1.5
32	MP1C	Z	3.933	1.5
33	MP1C	Mx	-.000808	1.5
34	MP1C	X	6.812	6.5
35	MP1C	Z	3.933	6.5
36	MP1C	Mx	-.000808	6.5
37	MP4C	X	4.253	1.5
38	MP4C	Z	2.455	1.5
39	MP4C	Mx	.004	1.5
40	MP4C	X	4.253	6.5
41	MP4C	Z	2.455	6.5
42	MP4C	Mx	.004	6.5
43	MP4C	X	4.253	1.5
44	MP4C	Z	2.455	1.5
45	MP4C	Mx	.004	1.5
46	MP4C	X	4.253	6.5
47	MP4C	Z	2.455	6.5
48	MP4C	Mx	.004	6.5
49	MP3A	X	2.095	2
50	MP3A	Z	1.21	2
51	MP3A	Mx	.001	2
52	MP3C	X	1.866	2
53	MP3C	Z	1.077	2
54	MP3C	Mx	-.001	2
55	MP4B	X	2.095	2
56	MP4B	Z	1.21	2
57	MP4B	Mx	-.001	2
58	MP1C	X	2.914	2
59	MP1C	Z	1.683	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
60	MP1C	Mx	-.001	2
61	MP2A	X	2.555	2
62	MP2A	Z	1.475	2
63	MP2A	Mx	.001	2
64	MP5C	X	2.288	2
65	MP5C	Z	1.321	2
66	MP5C	Mx	-.001	2
67	OVP1	X	4.888	1
68	OVP1	Z	2.822	1
69	OVP1	Mx	0	1
70	MP4D	X	10.033	1.5
71	MP4D	Z	5.793	1.5
72	MP4D	Mx	-.006	1.5
73	MP4D	X	10.033	6.5
74	MP4D	Z	5.793	6.5
75	MP4D	Mx	-.006	6.5
76	MP4D	X	10.033	1.5
77	MP4D	Z	5.793	1.5
78	MP4D	Mx	.012	1.5
79	MP4D	X	10.033	6.5
80	MP4D	Z	5.793	6.5
81	MP4D	Mx	.012	6.5
82	MP2D	X	2.62	3.5
83	MP2D	Z	1.513	3.5
84	MP2D	Mx	.000863	3.5
85	MP2D	X	2.62	4.5
86	MP2D	Z	1.513	4.5
87	MP2D	Mx	.000863	4.5
88	MP3D	X	2.674	2
89	MP3D	Z	1.544	2
90	MP3D	Mx	-.000528	2
91	MP4D	X	3.231	2
92	MP4D	Z	1.865	2
93	MP4D	Mx	-.000638	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	1.288	3.5
2	MP2C	Z	2.23	3.5
3	MP2C	Mx	.001	3.5
4	MP2C	X	1.288	4.5
5	MP2C	Z	2.23	4.5
6	MP2C	Mx	.001	4.5
7	MP4A	X	1.371	3.5
8	MP4A	Z	2.375	3.5
9	MP4A	Mx	-.001	3.5
10	MP4A	X	1.371	4.5
11	MP4A	Z	2.375	4.5
12	MP4A	Mx	-.001	4.5
13	MP2A	X	5.541	1.5
14	MP2A	Z	9.597	1.5
15	MP2A	Mx	.000181	1.5
16	MP2A	X	5.541	6.5
17	MP2A	Z	9.597	6.5
18	MP2A	Mx	.000181	6.5
19	MP2A	X	5.541	1.5
20	MP2A	Z	9.597	1.5
21	MP2A	Mx	-.009	1.5



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft,%)
22	MP2A	X	5.541	6.5
23	MP2A	Z	9.597	6.5
24	MP2A	Mx	-.009	6.5
25	MP1C	X	4.897	1.5
26	MP1C	Z	8.482	1.5
27	MP1C	Mx	.009	1.5
28	MP1C	X	4.897	6.5
29	MP1C	Z	8.482	6.5
30	MP1C	Mx	.009	6.5
31	MP1C	X	4.897	1.5
32	MP1C	Z	8.482	1.5
33	MP1C	Mx	-.007	1.5
34	MP1C	X	4.897	6.5
35	MP1C	Z	8.482	6.5
36	MP1C	Mx	-.007	6.5
37	MP4C	X	3.085	1.5
38	MP4C	Z	5.343	1.5
39	MP4C	Mx	.007	1.5
40	MP4C	X	3.085	6.5
41	MP4C	Z	5.343	6.5
42	MP4C	Mx	.007	6.5
43	MP4C	X	3.085	1.5
44	MP4C	Z	5.343	1.5
45	MP4C	Mx	.002	1.5
46	MP4C	X	3.085	6.5
47	MP4C	Z	5.343	6.5
48	MP4C	Mx	.002	6.5
49	MP3A	X	1.474	2
50	MP3A	Z	2.553	2
51	MP3A	Mx	.000737	2
52	MP3C	X	1.21	2
53	MP3C	Z	2.095	2
54	MP3C	Mx	-.001	2
55	MP4B	X	1.474	2
56	MP4B	Z	2.553	2
57	MP4B	Mx	-.000737	2
58	MP1C	X	1.919	2
59	MP1C	Z	3.323	2
60	MP1C	Mx	-.000333	2
61	MP2A	X	1.783	2
62	MP2A	Z	3.089	2
63	MP2A	Mx	.000892	2
64	MP5C	X	1.475	2
65	MP5C	Z	2.555	2
66	MP5C	Mx	-.001	2
67	OVP1	X	3.192	1
68	OVP1	Z	5.529	1
69	OVP1	Mx	0	1
70	MP4D	X	4.903	1.5
71	MP4D	Z	8.493	1.5
72	MP4D	Mx	.001	1.5
73	MP4D	X	4.903	6.5
74	MP4D	Z	8.493	6.5
75	MP4D	Mx	.001	6.5
76	MP4D	X	4.903	1.5
77	MP4D	Z	8.493	1.5
78	MP4D	Mx	.012	1.5
79	MP4D	X	4.903	6.5
80	MP4D	Z	8.493	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
81	MP4D	Mx	.012	6.5
82	MP2D	X	1.014	3.5
83	MP2D	Z	1.756	3.5
84	MP2D	Mx	.001	3.5
85	MP2D	X	1.014	4.5
86	MP2D	Z	1.756	4.5
87	MP2D	Mx	.001	4.5
88	MP3D	X	1.296	2
89	MP3D	Z	2.244	2
90	MP3D	Mx	-.000992	2
91	MP4D	X	1.576	2
92	MP4D	Z	2.729	2
93	MP4D	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2C	X	0	3.5
2	MP2C	Z	3.258	3.5
3	MP2C	Mx	.000237	3.5
4	MP2C	X	0	4.5
5	MP2C	Z	3.258	4.5
6	MP2C	Mx	.000237	4.5
7	MP4A	X	0	3.5
8	MP4A	Z	3.274	3.5
9	MP4A	Mx	0	3.5
10	MP4A	X	0	4.5
11	MP4A	Z	3.274	4.5
12	MP4A	Mx	0	4.5
13	MP2A	X	0	1.5
14	MP2A	Z	12.028	1.5
15	MP2A	Mx	.006	1.5
16	MP2A	X	0	6.5
17	MP2A	Z	12.028	6.5
18	MP2A	Mx	.006	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	12.028	1.5
21	MP2A	Mx	-.006	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	12.028	6.5
24	MP2A	Mx	-.006	6.5
25	MP1C	X	0	1.5
26	MP1C	Z	9.357	1.5
27	MP1C	Mx	.005	1.5
28	MP1C	X	0	6.5
29	MP1C	Z	9.357	6.5
30	MP1C	Mx	.005	6.5
31	MP1C	X	0	1.5
32	MP1C	Z	9.357	1.5
33	MP1C	Mx	-.01	1.5
34	MP1C	X	0	6.5
35	MP1C	Z	9.357	6.5
36	MP1C	Mx	-.01	6.5
37	MP4C	X	0	1.5
38	MP4C	Z	8.687	1.5
39	MP4C	Mx	.01	1.5
40	MP4C	X	0	6.5
41	MP4C	Z	8.687	6.5
42	MP4C	Mx	.01	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP4C	X	0	1.5
44	MP4C	Z	8.687	1.5
45	MP4C	Mx	-.003	1.5
46	MP4C	X	0	6.5
47	MP4C	Z	8.687	6.5
48	MP4C	Mx	-.003	6.5
49	MP3A	X	0	2
50	MP3A	Z	3.212	2
51	MP3A	Mx	0	2
52	MP3C	X	0	2
53	MP3C	Z	2.947	2
54	MP3C	Mx	-.000737	2
55	MP4B	X	0	2
56	MP4B	Z	3.212	2
57	MP4B	Mx	0	2
58	MP1C	X	0	2
59	MP1C	Z	3.731	2
60	MP1C	Mx	.000638	2
61	MP2A	X	0	2
62	MP2A	Z	3.875	2
63	MP2A	Mx	0	2
64	MP5C	X	0	2
65	MP5C	Z	3.567	2
66	MP5C	Mx	-.000892	2
67	OVP1	X	0	1
68	OVP1	Z	6.521	1
69	OVP1	Mx	0	1
70	MP4D	X	0	1.5
71	MP4D	Z	8.357	1.5
72	MP4D	Mx	.006	1.5
73	MP4D	X	0	6.5
74	MP4D	Z	8.357	6.5
75	MP4D	Mx	.006	6.5
76	MP4D	X	0	1.5
77	MP4D	Z	8.357	1.5
78	MP4D	Mx	.008	1.5
79	MP4D	X	0	6.5
80	MP4D	Z	8.357	6.5
81	MP4D	Mx	.008	6.5
82	MP2D	X	0	3.5
83	MP2D	Z	1.214	3.5
84	MP2D	Mx	.000996	3.5
85	MP2D	X	0	4.5
86	MP2D	Z	1.214	4.5
87	MP2D	Mx	.000996	4.5
88	MP3D	X	0	2
89	MP3D	Z	2.187	2
90	MP3D	Mx	-.001	2
91	MP4D	X	0	2
92	MP4D	Z	2.679	2
93	MP4D	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	-1.447	3.5
2	MP2C	Z	2.507	3.5
3	MP2C	Mx	-.001	3.5
4	MP2C	X	-1.447	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
5	MP2C	Z	2.507	4.5
6	MP2C	Mx	-.001	4.5
7	MP4A	X	-1.371	3.5
8	MP4A	Z	2.375	3.5
9	MP4A	Mx	.001	3.5
10	MP4A	X	-1.371	4.5
11	MP4A	Z	2.375	4.5
12	MP4A	Mx	.001	4.5
13	MP2A	X	-5.541	1.5
14	MP2A	Z	9.597	1.5
15	MP2A	Mx	.009	1.5
16	MP2A	X	-5.541	6.5
17	MP2A	Z	9.597	6.5
18	MP2A	Mx	.009	6.5
19	MP2A	X	-5.541	1.5
20	MP2A	Z	9.597	1.5
21	MP2A	Mx	-.000181	1.5
22	MP2A	X	-5.541	6.5
23	MP2A	Z	9.597	6.5
24	MP2A	Mx	-.000181	6.5
25	MP1C	X	-3.496	1.5
26	MP1C	Z	6.054	1.5
27	MP1C	Mx	-.000719	1.5
28	MP1C	X	-3.496	6.5
29	MP1C	Z	6.054	6.5
30	MP1C	Mx	-.000719	6.5
31	MP1C	X	-3.496	1.5
32	MP1C	Z	6.054	1.5
33	MP1C	Mx	-.008	1.5
34	MP1C	X	-3.496	6.5
35	MP1C	Z	6.054	6.5
36	MP1C	Mx	-.008	6.5
37	MP4C	X	-4.973	1.5
38	MP4C	Z	8.613	1.5
39	MP4C	Mx	.008	1.5
40	MP4C	X	-4.973	6.5
41	MP4C	Z	8.613	6.5
42	MP4C	Mx	.008	6.5
43	MP4C	X	-4.973	1.5
44	MP4C	Z	8.613	1.5
45	MP4C	Mx	-.008	1.5
46	MP4C	X	-4.973	6.5
47	MP4C	Z	8.613	6.5
48	MP4C	Mx	-.008	6.5
49	MP3A	X	-1.474	2
50	MP3A	Z	2.553	2
51	MP3A	Mx	-.000737	2
52	MP3C	X	-1.606	2
53	MP3C	Z	2.781	2
54	MP3C	Mx	0	2
55	MP4B	X	-1.474	2
56	MP4B	Z	2.553	2
57	MP4B	Mx	.000737	2
58	MP1C	X	-1.576	2
59	MP1C	Z	2.729	2
60	MP1C	Mx	.001	2
61	MP2A	X	-1.783	2
62	MP2A	Z	3.089	2
63	MP2A	Mx	-.000892	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
64	MP5C	X	-1.937	2
65	MP5C	Z	3.356	2
66	MP5C	Mx	0	2
67	OVP1	X	-2.959	1
68	OVP1	Z	5.125	1
69	OVP1	Mx	0	1
70	MP4D	X	-4.343	1.5
71	MP4D	Z	7.522	1.5
72	MP4D	Mx	.009	1.5
73	MP4D	X	-4.343	6.5
74	MP4D	Z	7.522	6.5
75	MP4D	Mx	.009	6.5
76	MP4D	X	-4.343	1.5
77	MP4D	Z	7.522	1.5
78	MP4D	Mx	.004	1.5
79	MP4D	X	-4.343	6.5
80	MP4D	Z	7.522	6.5
81	MP4D	Mx	.004	6.5
82	MP2D	X	-699	3.5
83	MP2D	Z	1.211	3.5
84	MP2D	Mx	.001	3.5
85	MP2D	X	-699	4.5
86	MP2D	Z	1.211	4.5
87	MP2D	Mx	.001	4.5
88	MP3D	X	-1.139	2
89	MP3D	Z	1.973	2
90	MP3D	Mx	-.001	2
91	MP4D	X	-1.393	2
92	MP4D	Z	2.413	2
93	MP4D	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	-1.601	3.5
2	MP2C	Z	.924	3.5
3	MP2C	Mx	-.001	3.5
4	MP2C	X	-1.601	4.5
5	MP2C	Z	.924	4.5
6	MP2C	Mx	-.001	4.5
7	MP4A	X	-1.456	3.5
8	MP4A	Z	.84	3.5
9	MP4A	Mx	.001	3.5
10	MP4A	X	-1.456	4.5
11	MP4A	Z	.84	4.5
12	MP4A	Mx	.001	4.5
13	MP2A	X	-7.958	1.5
14	MP2A	Z	4.595	1.5
15	MP2A	Mx	.009	1.5
16	MP2A	X	-7.958	6.5
17	MP2A	Z	4.595	6.5
18	MP2A	Mx	.009	6.5
19	MP2A	X	-7.958	1.5
20	MP2A	Z	4.595	1.5
21	MP2A	Mx	.004	1.5
22	MP2A	X	-7.958	6.5
23	MP2A	Z	4.595	6.5
24	MP2A	Mx	.004	6.5
25	MP1C	X	-4.384	1.5



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
26	MP1C	Z	2.531	1.5
27	MP1C	Mx	-.003	1.5
28	MP1C	X	-4.384	6.5
29	MP1C	Z	2.531	6.5
30	MP1C	Mx	-.003	6.5
31	MP1C	X	-4.384	1.5
32	MP1C	Z	2.531	1.5
33	MP1C	Mx	-.005	1.5
34	MP1C	X	-4.384	6.5
35	MP1C	Z	2.531	6.5
36	MP1C	Mx	-.005	6.5
37	MP4C	X	-7.523	1.5
38	MP4C	Z	4.344	1.5
39	MP4C	Mx	.003	1.5
40	MP4C	X	-7.523	6.5
41	MP4C	Z	4.344	6.5
42	MP4C	Mx	.003	6.5
43	MP4C	X	-7.523	1.5
44	MP4C	Z	4.344	1.5
45	MP4C	Mx	-.01	1.5
46	MP4C	X	-7.523	6.5
47	MP4C	Z	4.344	6.5
48	MP4C	Mx	-.01	6.5
49	MP3A	X	-2.095	2
50	MP3A	Z	1.21	2
51	MP3A	Mx	-.001	2
52	MP3C	X	-2.553	2
53	MP3C	Z	1.474	2
54	MP3C	Mx	.000737	2
55	MP4B	X	-2.095	2
56	MP4B	Z	1.21	2
57	MP4B	Mx	.001	2
58	MP1C	X	-2.32	2
59	MP1C	Z	1.34	2
60	MP1C	Mx	.001	2
61	MP2A	X	-2.555	2
62	MP2A	Z	1.475	2
63	MP2A	Mx	-.001	2
64	MP5C	X	-3.089	2
65	MP5C	Z	1.783	2
66	MP5C	Mx	.000892	2
67	OVP1	X	-4.484	1
68	OVP1	Z	2.589	1
69	OVP1	Mx	0	1
70	MP4D	X	-9.062	1.5
71	MP4D	Z	5.232	1.5
72	MP4D	Mx	.012	1.5
73	MP4D	X	-9.062	6.5
74	MP4D	Z	5.232	6.5
75	MP4D	Mx	.012	6.5
76	MP4D	X	-9.062	1.5
77	MP4D	Z	5.232	1.5
78	MP4D	Mx	-.001	1.5
79	MP4D	X	-9.062	6.5
80	MP4D	Z	5.232	6.5
81	MP4D	Mx	-.001	6.5
82	MP2D	X	-2.075	3.5
83	MP2D	Z	1.198	3.5
84	MP2D	Mx	.001	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
85	MP2D	X	-2.075	4.5
86	MP2D	Z	1.198	4.5
87	MP2D	Mx	.001	4.5
88	MP3D	X	-2.403	2
89	MP3D	Z	1.388	2
90	MP3D	Mx	-.000892	2
91	MP4D	X	-2.914	2
92	MP4D	Z	1.683	2
93	MP4D	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	-1.166	3.5
2	MP2C	Z	0	3.5
3	MP2C	Mx	-.000968	3.5
4	MP2C	X	-1.166	4.5
5	MP2C	Z	0	4.5
6	MP2C	Mx	-.000968	4.5
7	MP4A	X	-1.15	3.5
8	MP4A	Z	0	3.5
9	MP4A	Mx	.000958	3.5
10	MP4A	X	-1.15	4.5
11	MP4A	Z	0	4.5
12	MP4A	Mx	.000958	4.5
13	MP2A	X	-8.243	1.5
14	MP2A	Z	0	1.5
15	MP2A	Mx	.007	1.5
16	MP2A	X	-8.243	6.5
17	MP2A	Z	0	6.5
18	MP2A	Mx	.007	6.5
19	MP2A	X	-8.243	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.007	1.5
22	MP2A	X	-8.243	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	.007	6.5
25	MP1C	X	-5.5	1.5
26	MP1C	Z	0	1.5
27	MP1C	Mx	-.006	1.5
28	MP1C	X	-5.5	6.5
29	MP1C	Z	0	6.5
30	MP1C	Mx	-.006	6.5
31	MP1C	X	-5.5	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	-.003	1.5
34	MP1C	X	-5.5	6.5
35	MP1C	Z	0	6.5
36	MP1C	Mx	-.003	6.5
37	MP4C	X	-6.17	1.5
38	MP4C	Z	0	1.5
39	MP4C	Mx	-.002	1.5
40	MP4C	X	-6.17	6.5
41	MP4C	Z	0	6.5
42	MP4C	Mx	-.002	6.5
43	MP4C	X	-6.17	1.5
44	MP4C	Z	0	1.5
45	MP4C	Mx	-.007	1.5
46	MP4C	X	-6.17	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
47	MP4C	Z	0	6.5
48	MP4C	Mx	-.007	6.5
49	MP3A	X	-2.155	2
50	MP3A	Z	0	2
51	MP3A	Mx	-.001	2
52	MP3C	X	-2.419	2
53	MP3C	Z	0	2
54	MP3C	Mx	.001	2
55	MP4B	X	-2.155	2
56	MP4B	Z	0	2
57	MP4B	Mx	.001	2
58	MP1C	X	-2.786	2
59	MP1C	Z	0	2
60	MP1C	Mx	.001	2
61	MP2A	X	-2.642	2
62	MP2A	Z	0	2
63	MP2A	Mx	-.001	2
64	MP5C	X	-2.95	2
65	MP5C	Z	0	2
66	MP5C	Mx	.001	2
67	OVP1	X	-5.041	1
68	OVP1	Z	0	1
69	OVP1	Mx	0	1
70	MP4D	X	-11.914	1.5
71	MP4D	Z	0	1.5
72	MP4D	Mx	.012	1.5
73	MP4D	X	-11.914	6.5
74	MP4D	Z	0	6.5
75	MP4D	Mx	.012	6.5
76	MP4D	X	-11.914	1.5
77	MP4D	Z	0	1.5
78	MP4D	Mx	-.008	1.5
79	MP4D	X	-11.914	6.5
80	MP4D	Z	0	6.5
81	MP4D	Mx	-.008	6.5
82	MP2D	X	-3.21	3.5
83	MP2D	Z	0	3.5
84	MP2D	Mx	.000465	3.5
85	MP2D	X	-3.21	4.5
86	MP2D	Z	0	4.5
87	MP2D	Mx	.000465	4.5
88	MP3D	X	-3.18	2
89	MP3D	Z	0	2
90	MP3D	Mx	-.000276	2
91	MP4D	X	-3.838	2
92	MP4D	Z	0	2
93	MP4D	Mx	-.000333	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	-1.324	3.5
2	MP2C	Z	-.765	3.5
3	MP2C	Mx	-.001	3.5
4	MP2C	X	-1.324	4.5
5	MP2C	Z	-.765	4.5
6	MP2C	Mx	-.001	4.5
7	MP4A	X	-1.456	3.5
8	MP4A	Z	-.84	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
9	MP4A	Mx	.001	3.5
10	MP4A	X	-1.456	4.5
11	MP4A	Z	-.84	4.5
12	MP4A	Mx	.001	4.5
13	MP2A	X	-7.958	1.5
14	MP2A	Z	-4.595	1.5
15	MP2A	Mx	.004	1.5
16	MP2A	X	-7.958	6.5
17	MP2A	Z	-4.595	6.5
18	MP2A	Mx	.004	6.5
19	MP2A	X	-7.958	1.5
20	MP2A	Z	-4.595	1.5
21	MP2A	Mx	.009	1.5
22	MP2A	X	-7.958	6.5
23	MP2A	Z	-4.595	6.5
24	MP2A	Mx	.009	6.5
25	MP1C	X	-6.812	1.5
26	MP1C	Z	-3.933	1.5
27	MP1C	Mx	-.009	1.5
28	MP1C	X	-6.812	6.5
29	MP1C	Z	-3.933	6.5
30	MP1C	Mx	-.009	6.5
31	MP1C	X	-6.812	1.5
32	MP1C	Z	-3.933	1.5
33	MP1C	Mx	.000808	1.5
34	MP1C	X	-6.812	6.5
35	MP1C	Z	-3.933	6.5
36	MP1C	Mx	.000808	6.5
37	MP4C	X	-4.253	1.5
38	MP4C	Z	-2.455	1.5
39	MP4C	Mx	-.004	1.5
40	MP4C	X	-4.253	6.5
41	MP4C	Z	-2.455	6.5
42	MP4C	Mx	-.004	6.5
43	MP4C	X	-4.253	1.5
44	MP4C	Z	-2.455	1.5
45	MP4C	Mx	-.004	1.5
46	MP4C	X	-4.253	6.5
47	MP4C	Z	-2.455	6.5
48	MP4C	Mx	-.004	6.5
49	MP3A	X	-2.095	2
50	MP3A	Z	-1.21	2
51	MP3A	Mx	-.001	2
52	MP3C	X	-1.866	2
53	MP3C	Z	-1.077	2
54	MP3C	Mx	.001	2
55	MP4B	X	-2.095	2
56	MP4B	Z	-1.21	2
57	MP4B	Mx	.001	2
58	MP1C	X	-2.914	2
59	MP1C	Z	-1.683	2
60	MP1C	Mx	.001	2
61	MP2A	X	-2.555	2
62	MP2A	Z	-1.475	2
63	MP2A	Mx	-.001	2
64	MP5C	X	-2.288	2
65	MP5C	Z	-1.321	2
66	MP5C	Mx	.001	2
67	OVP1	X	-4.888	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
68	OVP1	Z	-2.822	1
69	OVP1	Mx	0	1
70	MP4D	X	-10.033	1.5
71	MP4D	Z	-5.793	1.5
72	MP4D	Mx	.006	1.5
73	MP4D	X	-10.033	6.5
74	MP4D	Z	-5.793	6.5
75	MP4D	Mx	.006	6.5
76	MP4D	X	-10.033	1.5
77	MP4D	Z	-5.793	1.5
78	MP4D	Mx	-.012	1.5
79	MP4D	X	-10.033	6.5
80	MP4D	Z	-5.793	6.5
81	MP4D	Mx	-.012	6.5
82	MP2D	X	-2.62	3.5
83	MP2D	Z	-1.513	3.5
84	MP2D	Mx	-.000863	3.5
85	MP2D	X	-2.62	4.5
86	MP2D	Z	-1.513	4.5
87	MP2D	Mx	-.000863	4.5
88	MP3D	X	-2.674	2
89	MP3D	Z	-1.544	2
90	MP3D	Mx	.000528	2
91	MP4D	X	-3.231	2
92	MP4D	Z	-1.865	2
93	MP4D	Mx	.000638	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2C	X	-1.288	3.5
2	MP2C	Z	-2.23	3.5
3	MP2C	Mx	-.001	3.5
4	MP2C	X	-1.288	4.5
5	MP2C	Z	-2.23	4.5
6	MP2C	Mx	-.001	4.5
7	MP4A	X	-1.371	3.5
8	MP4A	Z	-2.375	3.5
9	MP4A	Mx	.001	3.5
10	MP4A	X	-1.371	4.5
11	MP4A	Z	-2.375	4.5
12	MP4A	Mx	.001	4.5
13	MP2A	X	-5.541	1.5
14	MP2A	Z	-9.597	1.5
15	MP2A	Mx	-.000181	1.5
16	MP2A	X	-5.541	6.5
17	MP2A	Z	-9.597	6.5
18	MP2A	Mx	-.000181	6.5
19	MP2A	X	-5.541	1.5
20	MP2A	Z	-9.597	1.5
21	MP2A	Mx	.009	1.5
22	MP2A	X	-5.541	6.5
23	MP2A	Z	-9.597	6.5
24	MP2A	Mx	.009	6.5
25	MP1C	X	-4.897	1.5
26	MP1C	Z	-8.482	1.5
27	MP1C	Mx	-.009	1.5
28	MP1C	X	-4.897	6.5
29	MP1C	Z	-8.482	6.5



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft, %)
30	MP1C	Mx	-0.009	6.5
31	MP1C	X	-4.897	1.5
32	MP1C	Z	-8.482	1.5
33	MP1C	Mx	.007	1.5
34	MP1C	X	-4.897	6.5
35	MP1C	Z	-8.482	6.5
36	MP1C	Mx	.007	6.5
37	MP4C	X	-3.085	1.5
38	MP4C	Z	-5.343	1.5
39	MP4C	Mx	-.007	1.5
40	MP4C	X	-3.085	6.5
41	MP4C	Z	-5.343	6.5
42	MP4C	Mx	-.007	6.5
43	MP4C	X	-3.085	1.5
44	MP4C	Z	-5.343	1.5
45	MP4C	Mx	-.002	1.5
46	MP4C	X	-3.085	6.5
47	MP4C	Z	-5.343	6.5
48	MP4C	Mx	-.002	6.5
49	MP3A	X	-1.474	2
50	MP3A	Z	-2.553	2
51	MP3A	Mx	-.000737	2
52	MP3C	X	-1.21	2
53	MP3C	Z	-2.095	2
54	MP3C	Mx	.001	2
55	MP4B	X	-1.474	2
56	MP4B	Z	-2.553	2
57	MP4B	Mx	.000737	2
58	MP1C	X	-1.919	2
59	MP1C	Z	-3.323	2
60	MP1C	Mx	.000333	2
61	MP2A	X	-1.783	2
62	MP2A	Z	-3.089	2
63	MP2A	Mx	-.000892	2
64	MP5C	X	-1.475	2
65	MP5C	Z	-2.555	2
66	MP5C	Mx	.001	2
67	OVP1	X	-3.192	1
68	OVP1	Z	-5.529	1
69	OVP1	Mx	0	1
70	MP4D	X	-4.903	1.5
71	MP4D	Z	-8.493	1.5
72	MP4D	Mx	-.001	1.5
73	MP4D	X	-4.903	6.5
74	MP4D	Z	-8.493	6.5
75	MP4D	Mx	-.001	6.5
76	MP4D	X	-4.903	1.5
77	MP4D	Z	-8.493	1.5
78	MP4D	Mx	-.012	1.5
79	MP4D	X	-4.903	6.5
80	MP4D	Z	-8.493	6.5
81	MP4D	Mx	-.012	6.5
82	MP2D	X	-1.014	3.5
83	MP2D	Z	-1.756	3.5
84	MP2D	Mx	-.001	3.5
85	MP2D	X	-1.014	4.5
86	MP2D	Z	-1.756	4.5
87	MP2D	Mx	-.001	4.5
88	MP3D	X	-1.296	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
89	MP3D	Z	-2.244	2
90	MP3D	Mx	.000992	2
91	MP4D	X	-1.576	2
92	MP4D	Z	-2.729	2
93	MP4D	Mx	.001	2

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M157	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M160A	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M57	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M57	Y	-250	%100

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	Y	-1.216	3.5
2	MP2C	My	.001	3.5
3	MP2C	Mz	8.8e-5	3.5
4	MP2C	Y	-1.216	4.5
5	MP2C	My	.001	4.5
6	MP2C	Mz	8.8e-5	4.5
7	MP4A	Y	-1.216	3.5
8	MP4A	My	-.001	3.5
9	MP4A	Mz	0	3.5
10	MP4A	Y	-1.216	4.5
11	MP4A	My	-.001	4.5
12	MP4A	Mz	0	4.5
13	MP2A	Y	-1.634	1.5
14	MP2A	My	-.001	1.5
15	MP2A	Mz	.000817	1.5
16	MP2A	Y	-1.634	6.5
17	MP2A	My	-.001	6.5
18	MP2A	Mz	.000817	6.5
19	MP2A	Y	-1.634	1.5
20	MP2A	My	-.001	1.5
21	MP2A	Mz	-.000817	1.5
22	MP2A	Y	-1.634	6.5
23	MP2A	My	-.001	6.5
24	MP2A	Mz	-.000817	6.5
25	MP1C	Y	-2.632	1.5
26	MP1C	My	.003	1.5
27	MP1C	Mz	.001	1.5
28	MP1C	Y	-2.632	6.5
29	MP1C	My	.003	6.5
30	MP1C	Mz	.001	6.5
31	MP1C	Y	-2.632	1.5
32	MP1C	My	.001	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
33	MP1C	Mz	-.003	1.5
34	MP1C	Y	-2.632	6.5
35	MP1C	My	.001	6.5
36	MP1C	Mz	-.003	6.5
37	MP4C	Y	-2.632	1.5
38	MP4C	My	.000803	1.5
39	MP4C	Mz	.003	1.5
40	MP4C	Y	-2.632	6.5
41	MP4C	My	.000803	6.5
42	MP4C	Mz	.003	6.5
43	MP4C	Y	-2.632	1.5
44	MP4C	My	.003	1.5
45	MP4C	Mz	-.000803	1.5
46	MP4C	Y	-2.632	6.5
47	MP4C	My	.003	6.5
48	MP4C	Mz	-.000803	6.5
49	MP3A	Y	-3.171	2
50	MP3A	My	.002	2
51	MP3A	Mz	0	2
52	MP3C	Y	-3.171	2
53	MP3C	My	-.001	2
54	MP3C	Mz	-.000793	2
55	MP4B	Y	-3.171	2
56	MP4B	My	-.002	2
57	MP4B	Mz	0	2
58	MP1C	Y	-3.358	2
59	MP1C	My	-.002	2
60	MP1C	Mz	.000574	2
61	MP2A	Y	-3.358	2
62	MP2A	My	.002	2
63	MP2A	Mz	0	2
64	MP5C	Y	-3.358	2
65	MP5C	My	-.001	2
66	MP5C	Mz	-.00084	2
67	OVP1	Y	-1.359	1
68	OVP1	My	0	1
69	OVP1	Mz	0	1
70	MP4D	Y	-1.634	1.5
71	MP4D	My	-.002	1.5
72	MP4D	Mz	.001	1.5
73	MP4D	Y	-1.634	6.5
74	MP4D	My	-.002	6.5
75	MP4D	Mz	.001	6.5
76	MP4D	Y	-1.634	1.5
77	MP4D	My	.001	1.5
78	MP4D	Mz	.002	1.5
79	MP4D	Y	-1.634	6.5
80	MP4D	My	.001	6.5
81	MP4D	Mz	.002	6.5
82	MP2D	Y	-1.216	3.5
83	MP2D	My	-.000176	3.5
84	MP2D	Mz	.000998	3.5
85	MP2D	Y	-1.216	4.5
86	MP2D	My	-.000176	4.5
87	MP2D	Mz	.000998	4.5
88	MP3D	Y	-3.171	2
89	MP3D	My	.000275	2
90	MP3D	Mz	-.002	2
91	MP4D	Y	-3.358	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
92	MP4D	My	.000292	2
93	MP4D	Mz	-.002	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	Z	-3.041	3.5
2	MP2C	Mx	-.000221	3.5
3	MP2C	Z	-3.041	4.5
4	MP2C	Mx	-.000221	4.5
5	MP4A	Z	-3.041	3.5
6	MP4A	Mx	0	3.5
7	MP4A	Z	-3.041	4.5
8	MP4A	Mx	0	4.5
9	MP2A	Z	-4.086	1.5
10	MP2A	Mx	-.002	1.5
11	MP2A	Z	-4.086	6.5
12	MP2A	Mx	-.002	6.5
13	MP2A	Z	-4.086	1.5
14	MP2A	Mx	.002	1.5
15	MP2A	Z	-4.086	6.5
16	MP2A	Mx	.002	6.5
17	MP1C	Z	-6.58	1.5
18	MP1C	Mx	-.003	1.5
19	MP1C	Z	-6.58	6.5
20	MP1C	Mx	-.003	6.5
21	MP1C	Z	-6.58	1.5
22	MP1C	Mx	.007	1.5
23	MP1C	Z	-6.58	6.5
24	MP1C	Mx	.007	6.5
25	MP4C	Z	-6.58	1.5
26	MP4C	Mx	-.007	1.5
27	MP4C	Z	-6.58	6.5
28	MP4C	Mx	-.007	6.5
29	MP4C	Z	-6.58	1.5
30	MP4C	Mx	.002	1.5
31	MP4C	Z	-6.58	6.5
32	MP4C	Mx	.002	6.5
33	MP3A	Z	-7.928	2
34	MP3A	Mx	0	2
35	MP3C	Z	-7.928	2
36	MP3C	Mx	.002	2
37	MP4B	Z	-7.928	2
38	MP4B	Mx	0	2
39	MP1C	Z	-8.395	2
40	MP1C	Mx	-.001	2
41	MP2A	Z	-8.395	2
42	MP2A	Mx	0	2
43	MP5C	Z	-8.395	2
44	MP5C	Mx	.002	2
45	OVP1	Z	-3.396	1
46	OVP1	Mx	0	1
47	MP4D	Z	-4.086	1.5
48	MP4D	Mx	-.003	1.5
49	MP4D	Z	-4.086	6.5
50	MP4D	Mx	-.003	6.5
51	MP4D	Z	-4.086	1.5
52	MP4D	Mx	-.004	1.5
53	MP4D	Z	-4.086	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
54	MP4D	Mx	-.004	6.5
55	MP2D	Z	-3.041	3.5
56	MP2D	Mx	-.002	3.5
57	MP2D	Z	-3.041	4.5
58	MP2D	Mx	-.002	4.5
59	MP3D	Z	-7.928	2
60	MP3D	Mx	.004	2
61	MP4D	Z	-8.395	2
62	MP4D	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2C	X	3.041	3.5
2	MP2C	Mx	.003	3.5
3	MP2C	X	3.041	4.5
4	MP2C	Mx	.003	4.5
5	MP4A	X	3.041	3.5
6	MP4A	Mx	-.003	3.5
7	MP4A	X	3.041	4.5
8	MP4A	Mx	-.003	4.5
9	MP2A	X	4.086	1.5
10	MP2A	Mx	-.003	1.5
11	MP2A	X	4.086	6.5
12	MP2A	Mx	-.003	6.5
13	MP2A	X	4.086	1.5
14	MP2A	Mx	-.003	1.5
15	MP2A	X	4.086	6.5
16	MP2A	Mx	-.003	6.5
17	MP1C	X	6.58	1.5
18	MP1C	Mx	.007	1.5
19	MP1C	X	6.58	6.5
20	MP1C	Mx	.007	6.5
21	MP1C	X	6.58	1.5
22	MP1C	Mx	.003	1.5
23	MP1C	X	6.58	6.5
24	MP1C	Mx	.003	6.5
25	MP4C	X	6.58	1.5
26	MP4C	Mx	.002	1.5
27	MP4C	X	6.58	6.5
28	MP4C	Mx	.002	6.5
29	MP4C	X	6.58	1.5
30	MP4C	Mx	.007	1.5
31	MP4C	X	6.58	6.5
32	MP4C	Mx	.007	6.5
33	MP3A	X	7.928	2
34	MP3A	Mx	.004	2
35	MP3C	X	7.928	2
36	MP3C	Mx	-.003	2
37	MP4B	X	7.928	2
38	MP4B	Mx	-.004	2
39	MP1C	X	8.395	2
40	MP1C	Mx	-.004	2
41	MP2A	X	8.395	2
42	MP2A	Mx	.004	2
43	MP5C	X	8.395	2
44	MP5C	Mx	-.004	2
45	OVP1	X	3.396	1
46	OVP1	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
47	MP4D	X	4.086	1.5
48	MP4D	Mx	-.004	1.5
49	MP4D	X	4.086	6.5
50	MP4D	Mx	-.004	6.5
51	MP4D	X	4.086	1.5
52	MP4D	Mx	.003	1.5
53	MP4D	X	4.086	6.5
54	MP4D	Mx	.003	6.5
55	MP2D	X	3.041	3.5
56	MP2D	Mx	-.00044	3.5
57	MP2D	X	3.041	4.5
58	MP2D	Mx	-.00044	4.5
59	MP3D	X	7.928	2
60	MP3D	Mx	.000688	2
61	MP4D	X	8.395	2
62	MP4D	Mx	.000729	2

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft. %]	End Location[ft. %]
1	M1	Y	-9.838	-9.838	0	%100
2	M2	Y	-9.838	-9.838	0	%100
3	M3	Y	-11.782	-11.782	0	%100
4	M4	Y	-12.581	-12.581	0	%100
5	M5	Y	-12.581	-12.581	0	%100
6	M6	Y	-12.581	-12.581	0	%100
7	M7	Y	-12.581	-12.581	0	%100
8	M18	Y	-9.838	-9.838	0	%100
9	M19	Y	-9.838	-9.838	0	%100
10	M20	Y	-11.782	-11.782	0	%100
11	M21	Y	-12.581	-12.581	0	%100
12	M22	Y	-12.581	-12.581	0	%100
13	M23	Y	-12.581	-12.581	0	%100
14	M24	Y	-12.581	-12.581	0	%100
15	M35	Y	-9.838	-9.838	0	%100
16	M36	Y	-9.838	-9.838	0	%100
17	M37	Y	-11.782	-11.782	0	%100
18	M38	Y	-12.581	-12.581	0	%100
19	M39	Y	-12.581	-12.581	0	%100
20	M40	Y	-12.581	-12.581	0	%100
21	M41	Y	-12.581	-12.581	0	%100
22	M52	Y	-9.838	-9.838	0	%100
23	M53	Y	-9.838	-9.838	0	%100
24	M54	Y	-11.782	-11.782	0	%100
25	M55	Y	-12.581	-12.581	0	%100
26	M56	Y	-12.581	-12.581	0	%100
27	M57	Y	-12.581	-12.581	0	%100
28	M58	Y	-12.581	-12.581	0	%100
29	M60	Y	-7.27	-7.27	0	%100
30	M61	Y	-7.27	-7.27	0	%100
31	M62	Y	-7.27	-7.27	0	%100
32	M63	Y	-7.27	-7.27	0	%100
33	M69	Y	-12.581	-12.581	0	%100
34	M70	Y	-7.27	-7.27	0	%100
35	M71	Y	-12.581	-12.581	0	%100
36	M72	Y	-7.27	-7.27	0	%100
37	M73	Y	-12.581	-12.581	0	%100
38	M74	Y	-7.27	-7.27	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
39	M75	Y	-12.581	-12.581	0	%100
40	M76	Y	-7.27	-7.27	0	%100
41	M77	Y	-4.97	-4.97	0	%100
42	M90	Y	-4.97	-4.97	0	%100
43	M103	Y	-4.97	-4.97	0	%100
44	M116	Y	-4.97	-4.97	0	%100
45	MP3A	Y	-4.97	-4.97	0	%100
46	MP1A	Y	-4.97	-4.97	0	%100
47	M129	Y	-5.608	-5.608	0	%100
48	M132	Y	-5.608	-5.608	0	%100
49	M135	Y	-5.608	-5.608	0	%100
50	M138	Y	-5.608	-5.608	0	%100
51	M141	Y	-4.463	-4.463	0	%100
52	M142	Y	-4.463	-4.463	0	%100
53	M143	Y	-4.463	-4.463	0	%100
54	M144	Y	-4.463	-4.463	0	%100
55	M145	Y	-4.463	-4.463	0	%100
56	M146	Y	-4.463	-4.463	0	%100
57	M147	Y	-4.463	-4.463	0	%100
58	M148	Y	-4.463	-4.463	0	%100
59	OVP1	Y	-4.97	-4.97	0	%100
60	MP2D	Y	-4.97	-4.97	0	%100
61	MP1D	Y	-4.97	-4.97	0	%100
62	MP2C	Y	-4.97	-4.97	0	%100
63	MP1C	Y	-4.97	-4.97	0	%100
64	MP2B	Y	-4.97	-4.97	0	%100
65	MP1B	Y	-4.97	-4.97	0	%100
66	MP2A	Y	-4.97	-4.97	0	%100
67	MP4A	Y	-4.97	-4.97	0	%100
68	MP3D	Y	-4.97	-4.97	0	%100
69	MP3C	Y	-4.97	-4.97	0	%100
70	MP5C	Y	-4.97	-4.97	0	%100
71	MP3B	Y	-4.97	-4.97	0	%100
72	MP4B	Y	-4.97	-4.97	0	%100
73	MP4D	Y	-4.97	-4.97	0	%100
74	M156B	Y	-7.27	-7.27	0	%100
75	M152	Y	-7.27	-7.27	0	%100
76	M153	Y	-7.27	-7.27	0	%100
77	M154A	Y	-7.27	-7.27	0	%100
78	M155C	Y	-7.27	-7.27	0	%100
79	M156C	Y	-7.27	-7.27	0	%100
80	M127A	Y	-7.27	-7.27	0	%100
81	M128	Y	-7.27	-7.27	0	%100
82	M129B	Y	-7.27	-7.27	0	%100
83	M130B	Y	-7.27	-7.27	0	%100
84	M131A	Y	-7.27	-7.27	0	%100
85	M132A	Y	-7.27	-7.27	0	%100
86	M133A	Y	-7.27	-7.27	0	%100
87	M134A	Y	-7.27	-7.27	0	%100
88	M135A	Y	-7.27	-7.27	0	%100
89	M136A	Y	-7.27	-7.27	0	%100
90	M137A	Y	-7.27	-7.27	0	%100
91	M138B	Y	-7.27	-7.27	0	%100
92	M139B	Y	-7.27	-7.27	0	%100
93	M140A	Y	-7.27	-7.27	0	%100
94	M141B	Y	-7.27	-7.27	0	%100
95	M142B	Y	-7.27	-7.27	0	%100
96	M143A	Y	-7.27	-7.27	0	%100
97	M144A	Y	-7.27	-7.27	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
98	M145A	Y	-7.27	-7.27	0	%100
99	M146A	Y	-7.27	-7.27	0	%100
100	M147A	Y	-7.27	-7.27	0	%100
101	M148A	Y	-7.27	-7.27	0	%100
102	M149A	Y	-7.27	-7.27	0	%100
103	M150B	Y	-7.27	-7.27	0	%100
104	M151	Y	-7.27	-7.27	0	%100
105	M152A	Y	-7.27	-7.27	0	%100
106	M153B	Y	-7.27	-7.27	0	%100
107	M154B	Y	-7.27	-7.27	0	%100
108	M155D	Y	-7.27	-7.27	0	%100
109	M156D	Y	-7.27	-7.27	0	%100
110	M157C	Y	-7.27	-7.27	0	%100
111	M158C	Y	-7.27	-7.27	0	%100
112	M159A	Y	-7.27	-7.27	0	%100
113	M160	Y	-7.27	-7.27	0	%100
114	M161	Y	-7.27	-7.27	0	%100
115	M162B	Y	-7.27	-7.27	0	%100
116	M163A	Y	-7.27	-7.27	0	%100
117	M164A	Y	-7.27	-7.27	0	%100
118	M165	Y	-7.27	-7.27	0	%100
119	M166	Y	-7.27	-7.27	0	%100
120	MP4C	Y	-4.97	-4.97	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-13.091	-13.091	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-11.742	-11.742	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-14.366	-14.366	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-16.757	-16.757	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-16.756	-16.756	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-17.121	-17.121	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-17.121	-17.121	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	-13.091	-13.091	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	-11.742	-11.742	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
33	M37	X	0	0	%100
34	M37	Z	-14.366	-14.366	%100
35	M38	X	0	0	%100
36	M38	Z	0	0	%100
37	M39	X	0	0	%100
38	M39	Z	0	0	%100
39	M40	X	0	0	%100
40	M40	Z	0	0	%100
41	M41	X	0	0	%100
42	M41	Z	0	0	%100
43	M52	X	0	0	%100
44	M52	Z	0	0	%100
45	M53	X	0	0	%100
46	M53	Z	0	0	%100
47	M54	X	0	0	%100
48	M54	Z	0	0	%100
49	M55	X	0	0	%100
50	M55	Z	-16.757	-16.757	%100
51	M56	X	0	0	%100
52	M56	Z	-16.757	-16.757	%100
53	M57	X	0	0	%100
54	M57	Z	-17.121	-17.121	%100
55	M58	X	0	0	%100
56	M58	Z	-17.121	-17.121	%100
57	M60	X	0	0	%100
58	M60	Z	0	0	%100
59	M61	X	0	0	%100
60	M61	Z	0	0	%100
61	M62	X	0	0	%100
62	M62	Z	0	0	%100
63	M63	X	0	0	%100
64	M63	Z	0	0	%100
65	M69	X	0	0	%100
66	M69	Z	-7.052	-7.052	%100
67	M70	X	0	0	%100
68	M70	Z	-.444	-.444	%100
69	M71	X	0	0	%100
70	M71	Z	-7.052	-7.052	%100
71	M72	X	0	0	%100
72	M72	Z	-.444	-.444	%100
73	M73	X	0	0	%100
74	M73	Z	-7.052	-7.052	%100
75	M74	X	0	0	%100
76	M74	Z	-.444	-.444	%100
77	M75	X	0	0	%100
78	M75	Z	-7.052	-7.052	%100
79	M76	X	0	0	%100
80	M76	Z	-.444	-.444	%100
81	M77	X	0	0	%100
82	M77	Z	0	0	%100
83	M90	X	0	0	%100
84	M90	Z	-7.874	-7.874	%100
85	M103	X	0	0	%100
86	M103	Z	0	0	%100
87	M116	X	0	0	%100
88	M116	Z	-7.874	-7.874	%100
89	MP3A	X	0	0	%100
90	MP3A	Z	-7.874	-7.874	%100
91	MP1A	X	0	0	%100

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

	Member Label	Direction	Start Magnitude(lb/ft...	End Magnitude(lb/ft...	Start Location(ft,%)	End Location(ft,%)
92	MP1A	Z	-7.874	-7.874	0	%100
93	M129	X	0	0	0	%100
94	M129	Z	-3.908	-3.908	0	%100
95	M132	X	0	0	0	%100
96	M132	Z	-3.908	-3.908	0	%100
97	M135	X	0	0	0	%100
98	M135	Z	-3.908	-3.908	0	%100
99	M138	X	0	0	0	%100
100	M138	Z	-3.908	-3.908	0	%100
101	M141	X	0	0	0	%100
102	M141	Z	-1.025	-1.025	0	%100
103	M142	X	0	0	0	%100
104	M142	Z	-1.025	-1.025	0	%100
105	M143	X	0	0	0	%100
106	M143	Z	0	0	0	%100
107	M144	X	0	0	0	%100
108	M144	Z	0	0	0	%100
109	M145	X	0	0	0	%100
110	M145	Z	-1.025	-1.025	0	%100
111	M146	X	0	0	0	%100
112	M146	Z	-1.025	-1.025	0	%100
113	M147	X	0	0	0	%100
114	M147	Z	0	0	0	%100
115	M148	X	0	0	0	%100
116	M148	Z	0	0	0	%100
117	OVP1	X	0	0	0	%100
118	OVP1	Z	-6.439	-6.439	0	%100
119	MP2D	X	0	0	0	%100
120	MP2D	Z	-7.874	-7.874	0	%100
121	MP1D	X	0	0	0	%100
122	MP1D	Z	-7.874	-7.874	0	%100
123	MP2C	X	0	0	0	%100
124	MP2C	Z	-7.874	-7.874	0	%100
125	MP1C	X	0	0	0	%100
126	MP1C	Z	-7.874	-7.874	0	%100
127	MP2B	X	0	0	0	%100
128	MP2B	Z	-7.874	-7.874	0	%100
129	MP1B	X	0	0	0	%100
130	MP1B	Z	-7.874	-7.874	0	%100
131	MP2A	X	0	0	0	%100
132	MP2A	Z	-7.874	-7.874	0	%100
133	MP4A	X	0	0	0	%100
134	MP4A	Z	-7.874	-7.874	0	%100
135	MP3D	X	0	0	0	%100
136	MP3D	Z	-7.874	-7.874	0	%100
137	MP3C	X	0	0	0	%100
138	MP3C	Z	-7.874	-7.874	0	%100
139	MP5C	X	0	0	0	%100
140	MP5C	Z	-7.874	-7.874	0	%100
141	MP3B	X	0	0	0	%100
142	MP3B	Z	-7.874	-7.874	0	%100
143	MP4B	X	0	0	0	%100
144	MP4B	Z	-7.874	-7.874	0	%100
145	MP4D	X	0	0	0	%100
146	MP4D	Z	-7.874	-7.874	0	%100
147	M156B	X	0	0	0	%100
148	M156B	Z	0	0	0	%100
149	M152	X	0	0	0	%100
150	M152	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft,%]	End Location[ft,%]
151	M153	X	0	0	0	%100
152	M153	Z	0	0	0	%100
153	M154A	X	0	0	0	%100
154	M154A	Z	0	0	0	%100
155	M155C	X	0	0	0	%100
156	M155C	Z	0	0	0	%100
157	M156C	X	0	0	0	%100
158	M156C	Z	0	0	0	%100
159	M127A	X	0	0	0	%100
160	M127A	Z	-898	-898	0	%100
161	M128	X	0	0	0	%100
162	M128	Z	-898	-898	0	%100
163	M129B	X	0	0	0	%100
164	M129B	Z	-898	-898	0	%100
165	M130B	X	0	0	0	%100
166	M130B	Z	-898	-898	0	%100
167	M131A	X	0	0	0	%100
168	M131A	Z	-898	-898	0	%100
169	M132A	X	0	0	0	%100
170	M132A	Z	-898	-898	0	%100
171	M133A	X	0	0	0	%100
172	M133A	Z	-898	-898	0	%100
173	M134A	X	0	0	0	%100
174	M134A	Z	-898	-898	0	%100
175	M135A	X	0	0	0	%100
176	M135A	Z	-898	-898	0	%100
177	M136A	X	0	0	0	%100
178	M136A	Z	-898	-898	0	%100
179	M137A	X	0	0	0	%100
180	M137A	Z	0	0	0	%100
181	M138B	X	0	0	0	%100
182	M138B	Z	0	0	0	%100
183	M139B	X	0	0	0	%100
184	M139B	Z	0	0	0	%100
185	M140A	X	0	0	0	%100
186	M140A	Z	0	0	0	%100
187	M141B	X	0	0	0	%100
188	M141B	Z	0	0	0	%100
189	M142B	X	0	0	0	%100
190	M142B	Z	0	0	0	%100
191	M143A	X	0	0	0	%100
192	M143A	Z	0	0	0	%100
193	M144A	X	0	0	0	%100
194	M144A	Z	0	0	0	%100
195	M145A	X	0	0	0	%100
196	M145A	Z	0	0	0	%100
197	M146A	X	0	0	0	%100
198	M146A	Z	0	0	0	%100
199	M147A	X	0	0	0	%100
200	M147A	Z	-898	-898	0	%100
201	M148A	X	0	0	0	%100
202	M148A	Z	-898	-898	0	%100
203	M149A	X	0	0	0	%100
204	M149A	Z	-898	-898	0	%100
205	M150B	X	0	0	0	%100
206	M150B	Z	-898	-898	0	%100
207	M151	X	0	0	0	%100
208	M151	Z	-898	-898	0	%100
209	M152A	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....]	Start Location[ft.%]	End Location[ft.%]
210	M152A	Z	-898	-898	0	%100
211	M153B	X	0	0	0	%100
212	M153B	Z	-898	-898	0	%100
213	M154B	X	0	0	0	%100
214	M154B	Z	-898	-898	0	%100
215	M155D	X	0	0	0	%100
216	M155D	Z	-898	-898	0	%100
217	M156D	X	0	0	0	%100
218	M156D	Z	-898	-898	0	%100
219	M157C	X	0	0	0	%100
220	M157C	Z	0	0	0	%100
221	M158C	X	0	0	0	%100
222	M158C	Z	0	0	0	%100
223	M159A	X	0	0	0	%100
224	M159A	Z	0	0	0	%100
225	M160	X	0	0	0	%100
226	M160	Z	0	0	0	%100
227	M161	X	0	0	0	%100
228	M161	Z	0	0	0	%100
229	M162B	X	0	0	0	%100
230	M162B	Z	0	0	0	%100
231	M163A	X	0	0	0	%100
232	M163A	Z	0	0	0	%100
233	M164A	X	0	0	0	%100
234	M164A	Z	0	0	0	%100
235	M165	X	0	0	0	%100
236	M165	Z	0	0	0	%100
237	M166	X	0	0	0	%100
238	M166	Z	0	0	0	%100
239	MP4C	X	0	0	0	%100
240	MP4C	Z	-7.874	-7.874	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	4.909	4.909	0	%100
2	M1	Z	-8.503	-8.503	0	%100
3	M2	X	4.403	4.403	0	%100
4	M2	Z	-7.626	-7.626	0	%100
5	M3	X	5.387	5.387	0	%100
6	M3	Z	-9.331	-9.331	0	%100
7	M4	X	2.095	2.095	0	%100
8	M4	Z	-3.628	-3.628	0	%100
9	M5	X	2.095	2.095	0	%100
10	M5	Z	-3.628	-3.628	0	%100
11	M6	X	2.14	2.14	0	%100
12	M6	Z	-3.707	-3.707	0	%100
13	M7	X	2.14	2.14	0	%100
14	M7	Z	-3.707	-3.707	0	%100
15	M18	X	1.636	1.636	0	%100
16	M18	Z	-2.834	-2.834	0	%100
17	M19	X	1.468	1.468	0	%100
18	M19	Z	-2.542	-2.542	0	%100
19	M20	X	1.796	1.796	0	%100
20	M20	Z	-3.11	-3.11	0	%100
21	M21	X	6.284	6.284	0	%100
22	M21	Z	-10.884	-10.884	0	%100
23	M22	X	6.285	6.285	0	%100
24	M22	Z	-10.885	-10.885	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
25	M23	X	6.42	6.42	0	%100
26	M23	Z	-11.12	-11.12	0	%100
27	M24	X	6.42	6.42	0	%100
28	M24	Z	-11.12	-11.12	0	%100
29	M35	X	4.909	4.909	0	%100
30	M35	Z	-8.503	-8.503	0	%100
31	M36	X	4.403	4.403	0	%100
32	M36	Z	-7.626	-7.626	0	%100
33	M37	X	5.387	5.387	0	%100
34	M37	Z	-9.331	-9.331	0	%100
35	M38	X	2.095	2.095	0	%100
36	M38	Z	-3.628	-3.628	0	%100
37	M39	X	2.093	2.093	0	%100
38	M39	Z	-3.626	-3.626	0	%100
39	M40	X	2.14	2.14	0	%100
40	M40	Z	-3.707	-3.707	0	%100
41	M41	X	2.14	2.14	0	%100
42	M41	Z	-3.707	-3.707	0	%100
43	M52	X	1.636	1.636	0	%100
44	M52	Z	-2.834	-2.834	0	%100
45	M53	X	1.468	1.468	0	%100
46	M53	Z	-2.542	-2.542	0	%100
47	M54	X	1.796	1.796	0	%100
48	M54	Z	-3.11	-3.11	0	%100
49	M55	X	6.284	6.284	0	%100
50	M55	Z	-10.884	-10.884	0	%100
51	M56	X	6.284	6.284	0	%100
52	M56	Z	-10.884	-10.884	0	%100
53	M57	X	6.42	6.42	0	%100
54	M57	Z	-11.12	-11.12	0	%100
55	M58	X	6.42	6.42	0	%100
56	M58	Z	-11.12	-11.12	0	%100
57	M60	X	.112	.112	0	%100
58	M60	Z	-.194	-.194	0	%100
59	M61	X	.112	.112	0	%100
60	M61	Z	-.194	-.194	0	%100
61	M62	X	.112	.112	0	%100
62	M62	Z	-.194	-.194	0	%100
63	M63	X	.112	.112	0	%100
64	M63	Z	-.194	-.194	0	%100
65	M69	X	.472	.472	0	%100
66	M69	Z	-.818	-.818	0	%100
67	M70	X	.414	.414	0	%100
68	M70	Z	-.717	-.717	0	%100
69	M71	X	6.579	6.579	0	%100
70	M71	Z	-11.396	-11.396	0	%100
71	M72	X	.03	.03	0	%100
72	M72	Z	-.051	-.051	0	%100
73	M73	X	.472	.472	0	%100
74	M73	Z	-.818	-.818	0	%100
75	M74	X	.414	.414	0	%100
76	M74	Z	-.717	-.717	0	%100
77	M75	X	6.579	6.579	0	%100
78	M75	Z	-11.396	-11.396	0	%100
79	M76	X	.03	.03	0	%100
80	M76	Z	-.051	-.051	0	%100
81	M77	X	.984	.984	0	%100
82	M77	Z	-1.705	-1.705	0	%100
83	M90	X	2.953	2.953	0	%100



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

Member Label	Direction	Start Magnitude/lb/ft...	End Magnitude/lb/ft...	Start Location/ft,%	End Location/ft,%
84	M90	Z	-5.114	-5.114	0 %100
85	M103	X	.984	.984	0 %100
86	M103	Z	-1.705	-1.705	0 %100
87	M116	X	2.953	2.953	0 %100
88	M116	Z	-5.114	-5.114	0 %100
89	MP3A	X	3.937	3.937	0 %100
90	MP3A	Z	-6.819	-6.819	0 %100
91	MP1A	X	3.937	3.937	0 %100
92	MP1A	Z	-6.819	-6.819	0 %100
93	M129	X	3.646	3.646	0 %100
94	M129	Z	-6.315	-6.315	0 %100
95	M132	X	.262	.262	0 %100
96	M132	Z	-.453	-.453	0 %100
97	M135	X	3.646	3.646	0 %100
98	M135	Z	-6.315	-6.315	0 %100
99	M138	X	.262	.262	0 %100
100	M138	Z	-.453	-.453	0 %100
101	M141	X	.384	.384	0 %100
102	M141	Z	-.665	-.665	0 %100
103	M142	X	.384	.384	0 %100
104	M142	Z	-.665	-.665	0 %100
105	M143	X	.128	.128	0 %100
106	M143	Z	-.222	-.222	0 %100
107	M144	X	.128	.128	0 %100
108	M144	Z	-.222	-.222	0 %100
109	M145	X	.384	.384	0 %100
110	M145	Z	-.666	-.666	0 %100
111	M146	X	.384	.384	0 %100
112	M146	Z	-.666	-.666	0 %100
113	M147	X	.128	.128	0 %100
114	M147	Z	-.222	-.222	0 %100
115	M148	X	.128	.128	0 %100
116	M148	Z	-.222	-.222	0 %100
117	OVP1	X	3.219	3.219	0 %100
118	OVP1	Z	-5.576	-5.576	0 %100
119	MP2D	X	3.937	3.937	0 %100
120	MP2D	Z	-6.819	-6.819	0 %100
121	MP1D	X	3.937	3.937	0 %100
122	MP1D	Z	-6.819	-6.819	0 %100
123	MP2C	X	3.937	3.937	0 %100
124	MP2C	Z	-6.819	-6.819	0 %100
125	MP1C	X	3.937	3.937	0 %100
126	MP1C	Z	-6.819	-6.819	0 %100
127	MP2B	X	3.937	3.937	0 %100
128	MP2B	Z	-6.819	-6.819	0 %100
129	MP1B	X	3.937	3.937	0 %100
130	MP1B	Z	-6.819	-6.819	0 %100
131	MP2A	X	3.937	3.937	0 %100
132	MP2A	Z	-6.819	-6.819	0 %100
133	MP4A	X	3.937	3.937	0 %100
134	MP4A	Z	-6.819	-6.819	0 %100
135	MP3D	X	3.937	3.937	0 %100
136	MP3D	Z	-6.819	-6.819	0 %100
137	MP3C	X	3.937	3.937	0 %100
138	MP3C	Z	-6.819	-6.819	0 %100
139	MP5C	X	3.937	3.937	0 %100
140	MP5C	Z	-6.819	-6.819	0 %100
141	MP3B	X	3.937	3.937	0 %100
142	MP3B	Z	-6.819	-6.819	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft...	Start Location[ft.%]	End Location[ft.%]
143	MP4B	X	3.937	3.937	0 %100
144	MP4B	Z	-6.819	-6.819	0 %100
145	MP4D	X	3.937	3.937	0 %100
146	MP4D	Z	-6.819	-6.819	0 %100
147	M156B	X	.112	.112	0 %100
148	M156B	Z	-.194	-.194	0 %100
149	M152	X	.112	.112	0 %100
150	M152	Z	-.194	-.194	0 %100
151	M153	X	.112	.112	0 %100
152	M153	Z	-.194	-.194	0 %100
153	M154A	X	.112	.112	0 %100
154	M154A	Z	-.194	-.194	0 %100
155	M155C	X	.112	.112	0 %100
156	M155C	Z	-.194	-.194	0 %100
157	M156C	X	.112	.112	0 %100
158	M156C	Z	-.194	-.194	0 %100
159	M127A	X	.337	.337	0 %100
160	M127A	Z	-.583	-.583	0 %100
161	M128	X	.337	.337	0 %100
162	M128	Z	-.583	-.583	0 %100
163	M129B	X	.337	.337	0 %100
164	M129B	Z	-.583	-.583	0 %100
165	M130B	X	.337	.337	0 %100
166	M130B	Z	-.583	-.583	0 %100
167	M131A	X	.337	.337	0 %100
168	M131A	Z	-.583	-.583	0 %100
169	M132A	X	.337	.337	0 %100
170	M132A	Z	-.583	-.583	0 %100
171	M133A	X	.337	.337	0 %100
172	M133A	Z	-.583	-.583	0 %100
173	M134A	X	.337	.337	0 %100
174	M134A	Z	-.583	-.583	0 %100
175	M135A	X	.337	.337	0 %100
176	M135A	Z	-.583	-.583	0 %100
177	M136A	X	.337	.337	0 %100
178	M136A	Z	-.583	-.583	0 %100
179	M137A	X	.112	.112	0 %100
180	M137A	Z	-.194	-.194	0 %100
181	M138B	X	.112	.112	0 %100
182	M138B	Z	-.194	-.194	0 %100
183	M139B	X	.112	.112	0 %100
184	M139B	Z	-.194	-.194	0 %100
185	M140A	X	.112	.112	0 %100
186	M140A	Z	-.194	-.194	0 %100
187	M141B	X	.112	.112	0 %100
188	M141B	Z	-.194	-.194	0 %100
189	M142B	X	.112	.112	0 %100
190	M142B	Z	-.194	-.194	0 %100
191	M143A	X	.112	.112	0 %100
192	M143A	Z	-.194	-.194	0 %100
193	M144A	X	.112	.112	0 %100
194	M144A	Z	-.194	-.194	0 %100
195	M145A	X	.112	.112	0 %100
196	M145A	Z	-.194	-.194	0 %100
197	M146A	X	.112	.112	0 %100
198	M146A	Z	-.194	-.194	0 %100
199	M147A	X	.337	.337	0 %100
200	M147A	Z	-.583	-.583	0 %100
201	M148A	X	.337	.337	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
202	M148A	Z	-.583	-.583	0	%100
203	M149A	X	.337	.337	0	%100
204	M149A	Z	-.583	-.583	0	%100
205	M150B	X	.337	.337	0	%100
206	M150B	Z	-.583	-.583	0	%100
207	M151	X	.337	.337	0	%100
208	M151	Z	-.583	-.583	0	%100
209	M152A	X	.337	.337	0	%100
210	M152A	Z	-.583	-.583	0	%100
211	M153B	X	.337	.337	0	%100
212	M153B	Z	-.583	-.583	0	%100
213	M154B	X	.337	.337	0	%100
214	M154B	Z	-.583	-.583	0	%100
215	M155D	X	.337	.337	0	%100
216	M155D	Z	-.583	-.583	0	%100
217	M156D	X	.337	.337	0	%100
218	M156D	Z	-.583	-.583	0	%100
219	M157C	X	.112	.112	0	%100
220	M157C	Z	-.194	-.194	0	%100
221	M158C	X	.112	.112	0	%100
222	M158C	Z	-.194	-.194	0	%100
223	M159A	X	.112	.112	0	%100
224	M159A	Z	-.194	-.194	0	%100
225	M160	X	.112	.112	0	%100
226	M160	Z	-.194	-.194	0	%100
227	M161	X	.112	.112	0	%100
228	M161	Z	-.194	-.194	0	%100
229	M162B	X	.112	.112	0	%100
230	M162B	Z	-.194	-.194	0	%100
231	M163A	X	.112	.112	0	%100
232	M163A	Z	-.194	-.194	0	%100
233	M164A	X	.112	.112	0	%100
234	M164A	Z	-.194	-.194	0	%100
235	M165	X	.112	.112	0	%100
236	M165	Z	-.194	-.194	0	%100
237	M166	X	.112	.112	0	%100
238	M166	Z	-.194	-.194	0	%100
239	MP4C	X	3.937	3.937	0	%100
240	MP4C	Z	-6.819	-6.819	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	2.834	2.834	0	%100
2	M1	Z	-1.636	-1.636	0	%100
3	M2	X	2.542	2.542	0	%100
4	M2	Z	-1.468	-1.468	0	%100
5	M3	X	3.11	3.11	0	%100
6	M3	Z	-1.796	-1.796	0	%100
7	M4	X	10.884	10.884	0	%100
8	M4	Z	-6.284	-6.284	0	%100
9	M5	X	10.884	10.884	0	%100
10	M5	Z	-6.284	-6.284	0	%100
11	M6	X	11.12	11.12	0	%100
12	M6	Z	-6.42	-6.42	0	%100
13	M7	X	11.12	11.12	0	%100
14	M7	Z	-6.42	-6.42	0	%100
15	M18	X	8.503	8.503	0	%100
16	M18	Z	-4.909	-4.909	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
17	M19	X	7.626	7.626	0	%100
18	M19	Z	-4.403	-4.403	0	%100
19	M20	X	9.331	9.331	0	%100
20	M20	Z	-5.387	-5.387	0	%100
21	M21	X	3.628	3.628	0	%100
22	M21	Z	-2.095	-2.095	0	%100
23	M22	X	3.63	3.63	0	%100
24	M22	Z	-2.096	-2.096	0	%100
25	M23	X	3.707	3.707	0	%100
26	M23	Z	-2.14	-2.14	0	%100
27	M24	X	3.707	3.707	0	%100
28	M24	Z	-2.14	-2.14	0	%100
29	M35	X	2.834	2.834	0	%100
30	M35	Z	-1.636	-1.636	0	%100
31	M36	X	2.542	2.542	0	%100
32	M36	Z	-1.468	-1.468	0	%100
33	M37	X	3.11	3.11	0	%100
34	M37	Z	-1.796	-1.796	0	%100
35	M38	X	10.884	10.884	0	%100
36	M38	Z	-6.284	-6.284	0	%100
37	M39	X	10.882	10.882	0	%100
38	M39	Z	-6.283	-6.283	0	%100
39	M40	X	11.12	11.12	0	%100
40	M40	Z	-6.42	-6.42	0	%100
41	M41	X	11.12	11.12	0	%100
42	M41	Z	-6.42	-6.42	0	%100
43	M52	X	8.503	8.503	0	%100
44	M52	Z	-4.909	-4.909	0	%100
45	M53	X	7.626	7.626	0	%100
46	M53	Z	-4.403	-4.403	0	%100
47	M54	X	9.331	9.331	0	%100
48	M54	Z	-5.387	-5.387	0	%100
49	M55	X	3.628	3.628	0	%100
50	M55	Z	-2.095	-2.095	0	%100
51	M56	X	3.628	3.628	0	%100
52	M56	Z	-2.095	-2.095	0	%100
53	M57	X	3.707	3.707	0	%100
54	M57	Z	-2.14	-2.14	0	%100
55	M58	X	3.707	3.707	0	%100
56	M58	Z	-2.14	-2.14	0	%100
57	M60	X	.583	.583	0	%100
58	M60	Z	-.337	-.337	0	%100
59	M61	X	.583	.583	0	%100
60	M61	Z	-.337	-.337	0	%100
61	M62	X	.583	.583	0	%100
62	M62	Z	-.337	-.337	0	%100
63	M63	X	.583	.583	0	%100
64	M63	Z	-.337	-.337	0	%100
65	M69	X	.818	.818	0	%100
66	M69	Z	-.472	-.472	0	%100
67	M70	X	.717	.717	0	%100
68	M70	Z	-.414	-.414	0	%100
69	M71	X	11.396	11.396	0	%100
70	M71	Z	-6.579	-6.579	0	%100
71	M72	X	.052	.052	0	%100
72	M72	Z	-.03	-.03	0	%100
73	M73	X	.818	.818	0	%100
74	M73	Z	-.472	-.472	0	%100
75	M74	X	.717	.717	0	%100

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

	Member Label	Direction	Start Magnitude lb/ft....	End Magnitude lb/ft....	Start Location ft,%	End Location ft,%
76	M74	Z	-.414	-.414	0	%100
77	M75	X	11.396	11.396	0	%100
78	M75	Z	-6.579	-6.579	0	%100
79	M76	X	.052	.052	0	%100
80	M76	Z	-.03	-.03	0	%100
81	M77	X	5.114	5.114	0	%100
82	M77	Z	-2.953	-2.953	0	%100
83	M90	X	1.705	1.705	0	%100
84	M90	Z	-.984	-.984	0	%100
85	M103	X	5.114	5.114	0	%100
86	M103	Z	-2.953	-2.953	0	%100
87	M116	X	1.705	1.705	0	%100
88	M116	Z	-.984	-.984	0	%100
89	MP3A	X	6.819	6.819	0	%100
90	MP3A	Z	-3.937	-3.937	0	%100
91	MP1A	X	6.819	6.819	0	%100
92	MP1A	Z	-3.937	-3.937	0	%100
93	M129	X	6.315	6.315	0	%100
94	M129	Z	-3.646	-3.646	0	%100
95	M132	X	.453	.453	0	%100
96	M132	Z	-.262	-.262	0	%100
97	M135	X	6.315	6.315	0	%100
98	M135	Z	-3.646	-3.646	0	%100
99	M138	X	.453	.453	0	%100
100	M138	Z	-.262	-.262	0	%100
101	M141	X	.222	.222	0	%100
102	M141	Z	-.128	-.128	0	%100
103	M142	X	.222	.222	0	%100
104	M142	Z	-.128	-.128	0	%100
105	M143	X	.666	.666	0	%100
106	M143	Z	-.384	-.384	0	%100
107	M144	X	.666	.666	0	%100
108	M144	Z	-.384	-.384	0	%100
109	M145	X	.222	.222	0	%100
110	M145	Z	-.128	-.128	0	%100
111	M146	X	.222	.222	0	%100
112	M146	Z	-.128	-.128	0	%100
113	M147	X	.666	.666	0	%100
114	M147	Z	-.384	-.384	0	%100
115	M148	X	.666	.666	0	%100
116	M148	Z	-.384	-.384	0	%100
117	OVP1	X	5.576	5.576	0	%100
118	OVP1	Z	-3.219	-3.219	0	%100
119	MP2D	X	6.819	6.819	0	%100
120	MP2D	Z	-3.937	-3.937	0	%100
121	MP1D	X	6.819	6.819	0	%100
122	MP1D	Z	-3.937	-3.937	0	%100
123	MP2C	X	6.819	6.819	0	%100
124	MP2C	Z	-3.937	-3.937	0	%100
125	MP1C	X	6.819	6.819	0	%100
126	MP1C	Z	-3.937	-3.937	0	%100
127	MP2B	X	6.819	6.819	0	%100
128	MP2B	Z	-3.937	-3.937	0	%100
129	MP1B	X	6.819	6.819	0	%100
130	MP1B	Z	-3.937	-3.937	0	%100
131	MP2A	X	6.819	6.819	0	%100
132	MP2A	Z	-3.937	-3.937	0	%100
133	MP4A	X	6.819	6.819	0	%100
134	MP4A	Z	-3.937	-3.937	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
135	MP3D	X	6.819	6.819	0 %100
136	MP3D	Z	-3.937	-3.937	0 %100
137	MP3C	X	6.819	6.819	0 %100
138	MP3C	Z	-3.937	-3.937	0 %100
139	MP5C	X	6.819	6.819	0 %100
140	MP5C	Z	-3.937	-3.937	0 %100
141	MP3B	X	6.819	6.819	0 %100
142	MP3B	Z	-3.937	-3.937	0 %100
143	MP4B	X	6.819	6.819	0 %100
144	MP4B	Z	-3.937	-3.937	0 %100
145	MP4D	X	6.819	6.819	0 %100
146	MP4D	Z	-3.937	-3.937	0 %100
147	M156B	X	.583	.583	0 %100
148	M156B	Z	-.337	-.337	0 %100
149	M152	X	.583	.583	0 %100
150	M152	Z	-.337	-.337	0 %100
151	M153	X	.583	.583	0 %100
152	M153	Z	-.337	-.337	0 %100
153	M154A	X	.583	.583	0 %100
154	M154A	Z	-.337	-.337	0 %100
155	M155C	X	.583	.583	0 %100
156	M155C	Z	-.337	-.337	0 %100
157	M156C	X	.583	.583	0 %100
158	M156C	Z	-.337	-.337	0 %100
159	M127A	X	.194	.194	0 %100
160	M127A	Z	-.112	-.112	0 %100
161	M128	X	.194	.194	0 %100
162	M128	Z	-.112	-.112	0 %100
163	M129B	X	.194	.194	0 %100
164	M129B	Z	-.112	-.112	0 %100
165	M130B	X	.194	.194	0 %100
166	M130B	Z	-.112	-.112	0 %100
167	M131A	X	.194	.194	0 %100
168	M131A	Z	-.112	-.112	0 %100
169	M132A	X	.194	.194	0 %100
170	M132A	Z	-.112	-.112	0 %100
171	M133A	X	.194	.194	0 %100
172	M133A	Z	-.112	-.112	0 %100
173	M134A	X	.194	.194	0 %100
174	M134A	Z	-.112	-.112	0 %100
175	M135A	X	.194	.194	0 %100
176	M135A	Z	-.112	-.112	0 %100
177	M136A	X	.194	.194	0 %100
178	M136A	Z	-.112	-.112	0 %100
179	M137A	X	.583	.583	0 %100
180	M137A	Z	-.337	-.337	0 %100
181	M138B	X	.583	.583	0 %100
182	M138B	Z	-.337	-.337	0 %100
183	M139B	X	.583	.583	0 %100
184	M139B	Z	-.337	-.337	0 %100
185	M140A	X	.583	.583	0 %100
186	M140A	Z	-.337	-.337	0 %100
187	M141B	X	.583	.583	0 %100
188	M141B	Z	-.337	-.337	0 %100
189	M142B	X	.583	.583	0 %100
190	M142B	Z	-.337	-.337	0 %100
191	M143A	X	.583	.583	0 %100
192	M143A	Z	-.337	-.337	0 %100
193	M144A	X	.583	.583	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft...]	Start Location(ft.%)	End Location(ft.%)
194	M144A	Z	-.337	-.337	0	%100
195	M145A	X	.583	.583	0	%100
196	M145A	Z	-.337	-.337	0	%100
197	M146A	X	.583	.583	0	%100
198	M146A	Z	-.337	-.337	0	%100
199	M147A	X	.194	.194	0	%100
200	M147A	Z	-.112	-.112	0	%100
201	M148A	X	.194	.194	0	%100
202	M148A	Z	-.112	-.112	0	%100
203	M149A	X	.194	.194	0	%100
204	M149A	Z	-.112	-.112	0	%100
205	M150B	X	.194	.194	0	%100
206	M150B	Z	-.112	-.112	0	%100
207	M151	X	.194	.194	0	%100
208	M151	Z	-.112	-.112	0	%100
209	M152A	X	.194	.194	0	%100
210	M152A	Z	-.112	-.112	0	%100
211	M153B	X	.194	.194	0	%100
212	M153B	Z	-.112	-.112	0	%100
213	M154B	X	.194	.194	0	%100
214	M154B	Z	-.112	-.112	0	%100
215	M155D	X	.194	.194	0	%100
216	M155D	Z	-.112	-.112	0	%100
217	M156D	X	.194	.194	0	%100
218	M156D	Z	-.112	-.112	0	%100
219	M157C	X	.583	.583	0	%100
220	M157C	Z	-.337	-.337	0	%100
221	M158C	X	.583	.583	0	%100
222	M158C	Z	-.337	-.337	0	%100
223	M159A	X	.583	.583	0	%100
224	M159A	Z	-.337	-.337	0	%100
225	M160	X	.583	.583	0	%100
226	M160	Z	-.337	-.337	0	%100
227	M161	X	.583	.583	0	%100
228	M161	Z	-.337	-.337	0	%100
229	M162B	X	.583	.583	0	%100
230	M162B	Z	-.337	-.337	0	%100
231	M163A	X	.583	.583	0	%100
232	M163A	Z	-.337	-.337	0	%100
233	M164A	X	.583	.583	0	%100
234	M164A	Z	-.337	-.337	0	%100
235	M165	X	.583	.583	0	%100
236	M165	Z	-.337	-.337	0	%100
237	M166	X	.583	.583	0	%100
238	M166	Z	-.337	-.337	0	%100
239	MP4C	X	6.819	6.819	0	%100
240	MP4C	Z	-3.937	-3.937	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft...]	Start Location(ft.%)	End Location(ft.%)
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	16.756	16.756	0	%100
8	M4	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
9	M5	X	16.756	16.756	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	17.121	17.121	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	17.121	17.121	0	%100
14	M7	Z	0	0	0	%100
15	M18	X	13.091	13.091	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	11.742	11.742	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	14.366	14.366	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	0	0	0	%100
33	M37	X	0	0	0	%100
34	M37	Z	0	0	0	%100
35	M38	X	16.757	16.757	0	%100
36	M38	Z	0	0	0	%100
37	M39	X	16.756	16.756	0	%100
38	M39	Z	0	0	0	%100
39	M40	X	17.121	17.121	0	%100
40	M40	Z	0	0	0	%100
41	M41	X	17.121	17.121	0	%100
42	M41	Z	0	0	0	%100
43	M52	X	13.091	13.091	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	11.742	11.742	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	14.366	14.366	0	%100
48	M54	Z	0	0	0	%100
49	M55	X	0	0	0	%100
50	M55	Z	0	0	0	%100
51	M56	X	0	0	0	%100
52	M56	Z	0	0	0	%100
53	M57	X	0	0	0	%100
54	M57	Z	0	0	0	%100
55	M58	X	0	0	0	%100
56	M58	Z	0	0	0	%100
57	M60	X	.898	.898	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	.898	.898	0	%100
60	M61	Z	0	0	0	%100
61	M62	X	.898	.898	0	%100
62	M62	Z	0	0	0	%100
63	M63	X	.898	.898	0	%100
64	M63	Z	0	0	0	%100
65	M69	X	7.052	7.052	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	.444	.444	0	%100

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

	Member Label	Direction	Start Magnitude lb/ft....	End Magnitude lb/ft....	Start Location ft.%	End Location ft.%
68	M70	Z	0	0	0	%100
69	M71	X	7.052	7.052	0	%100
70	M71	Z	0	0	0	%100
71	M72	X	.444	.444	0	%100
72	M72	Z	0	0	0	%100
73	M73	X	7.052	7.052	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	.444	.444	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	7.052	7.052	0	%100
78	M75	Z	0	0	0	%100
79	M76	X	.444	.444	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	7.874	7.874	0	%100
82	M77	Z	0	0	0	%100
83	M90	X	0	0	0	%100
84	M90	Z	0	0	0	%100
85	M103	X	7.874	7.874	0	%100
86	M103	Z	0	0	0	%100
87	M116	X	0	0	0	%100
88	M116	Z	0	0	0	%100
89	MP3A	X	7.874	7.874	0	%100
90	MP3A	Z	0	0	0	%100
91	MP1A	X	7.874	7.874	0	%100
92	MP1A	Z	0	0	0	%100
93	M129	X	3.908	3.908	0	%100
94	M129	Z	0	0	0	%100
95	M132	X	3.908	3.908	0	%100
96	M132	Z	0	0	0	%100
97	M135	X	3.908	3.908	0	%100
98	M135	Z	0	0	0	%100
99	M138	X	3.908	3.908	0	%100
100	M138	Z	0	0	0	%100
101	M141	X	0	0	0	%100
102	M141	Z	0	0	0	%100
103	M142	X	0	0	0	%100
104	M142	Z	0	0	0	%100
105	M143	X	1.025	1.025	0	%100
106	M143	Z	0	0	0	%100
107	M144	X	1.025	1.025	0	%100
108	M144	Z	0	0	0	%100
109	M145	X	0	0	0	%100
110	M145	Z	0	0	0	%100
111	M146	X	0	0	0	%100
112	M146	Z	0	0	0	%100
113	M147	X	1.025	1.025	0	%100
114	M147	Z	0	0	0	%100
115	M148	X	1.025	1.025	0	%100
116	M148	Z	0	0	0	%100
117	OVP1	X	6.439	6.439	0	%100
118	OVP1	Z	0	0	0	%100
119	MP2D	X	7.874	7.874	0	%100
120	MP2D	Z	0	0	0	%100
121	MP1D	X	7.874	7.874	0	%100
122	MP1D	Z	0	0	0	%100
123	MP2C	X	7.874	7.874	0	%100
124	MP2C	Z	0	0	0	%100
125	MP1C	X	7.874	7.874	0	%100
126	MP1C	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
127	MP2B	X	7.874	7.874	0 %100
128	MP2B	Z	0	0	0 %100
129	MP1B	X	7.874	7.874	0 %100
130	MP1B	Z	0	0	0 %100
131	MP2A	X	7.874	7.874	0 %100
132	MP2A	Z	0	0	0 %100
133	MP4A	X	7.874	7.874	0 %100
134	MP4A	Z	0	0	0 %100
135	MP3D	X	7.874	7.874	0 %100
136	MP3D	Z	0	0	0 %100
137	MP3C	X	7.874	7.874	0 %100
138	MP3C	Z	0	0	0 %100
139	MP5C	X	7.874	7.874	0 %100
140	MP5C	Z	0	0	0 %100
141	MP3B	X	7.874	7.874	0 %100
142	MP3B	Z	0	0	0 %100
143	MP4B	X	7.874	7.874	0 %100
144	MP4B	Z	0	0	0 %100
145	MP4D	X	7.874	7.874	0 %100
146	MP4D	Z	0	0	0 %100
147	M156B	X	.898	.898	0 %100
148	M156B	Z	0	0	0 %100
149	M152	X	.898	.898	0 %100
150	M152	Z	0	0	0 %100
151	M153	X	.898	.898	0 %100
152	M153	Z	0	0	0 %100
153	M154A	X	.898	.898	0 %100
154	M154A	Z	0	0	0 %100
155	M155C	X	.898	.898	0 %100
156	M155C	Z	0	0	0 %100
157	M156C	X	.898	.898	0 %100
158	M156C	Z	0	0	0 %100
159	M127A	X	0	0	0 %100
160	M127A	Z	0	0	0 %100
161	M128	X	0	0	0 %100
162	M128	Z	0	0	0 %100
163	M129B	X	0	0	0 %100
164	M129B	Z	0	0	0 %100
165	M130B	X	0	0	0 %100
166	M130B	Z	0	0	0 %100
167	M131A	X	0	0	0 %100
168	M131A	Z	0	0	0 %100
169	M132A	X	0	0	0 %100
170	M132A	Z	0	0	0 %100
171	M133A	X	0	0	0 %100
172	M133A	Z	0	0	0 %100
173	M134A	X	0	0	0 %100
174	M134A	Z	0	0	0 %100
175	M135A	X	0	0	0 %100
176	M135A	Z	0	0	0 %100
177	M136A	X	0	0	0 %100
178	M136A	Z	0	0	0 %100
179	M137A	X	.898	.898	0 %100
180	M137A	Z	0	0	0 %100
181	M138B	X	.898	.898	0 %100
182	M138B	Z	0	0	0 %100
183	M139B	X	.898	.898	0 %100
184	M139B	Z	0	0	0 %100
185	M140A	X	.898	.898	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
186	M140A	Z	0	0	0 %100
187	M141B	X	.898	.898	0 %100
188	M141B	Z	0	0	0 %100
189	M142B	X	.898	.898	0 %100
190	M142B	Z	0	0	0 %100
191	M143A	X	.898	.898	0 %100
192	M143A	Z	0	0	0 %100
193	M144A	X	.898	.898	0 %100
194	M144A	Z	0	0	0 %100
195	M145A	X	.898	.898	0 %100
196	M145A	Z	0	0	0 %100
197	M146A	X	.898	.898	0 %100
198	M146A	Z	0	0	0 %100
199	M147A	X	0	0	0 %100
200	M147A	Z	0	0	0 %100
201	M148A	X	0	0	0 %100
202	M148A	Z	0	0	0 %100
203	M149A	X	0	0	0 %100
204	M149A	Z	0	0	0 %100
205	M150B	X	0	0	0 %100
206	M150B	Z	0	0	0 %100
207	M151	X	0	0	0 %100
208	M151	Z	0	0	0 %100
209	M152A	X	0	0	0 %100
210	M152A	Z	0	0	0 %100
211	M153B	X	0	0	0 %100
212	M153B	Z	0	0	0 %100
213	M154B	X	0	0	0 %100
214	M154B	Z	0	0	0 %100
215	M155D	X	0	0	0 %100
216	M155D	Z	0	0	0 %100
217	M156D	X	0	0	0 %100
218	M156D	Z	0	0	0 %100
219	M157C	X	.898	.898	0 %100
220	M157C	Z	0	0	0 %100
221	M158C	X	.898	.898	0 %100
222	M158C	Z	0	0	0 %100
223	M159A	X	.898	.898	0 %100
224	M159A	Z	0	0	0 %100
225	M160	X	.898	.898	0 %100
226	M160	Z	0	0	0 %100
227	M161	X	.898	.898	0 %100
228	M161	Z	0	0	0 %100
229	M162B	X	.898	.898	0 %100
230	M162B	Z	0	0	0 %100
231	M163A	X	.898	.898	0 %100
232	M163A	Z	0	0	0 %100
233	M164A	X	.898	.898	0 %100
234	M164A	Z	0	0	0 %100
235	M165	X	.898	.898	0 %100
236	M165	Z	0	0	0 %100
237	M166	X	.898	.898	0 %100
238	M166	Z	0	0	0 %100
239	MP4C	X	7.874	7.874	0 %100
240	MP4C	Z	0	0	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
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Member Distributed Loads (BLC 45 : Structure Wo (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	2.834	2.834	0	%100
2	M1	Z	1.636	1.636	0	%100
3	M2	X	2.542	2.542	0	%100
4	M2	Z	1.468	1.468	0	%100
5	M3	X	3.11	3.11	0	%100
6	M3	Z	1.796	1.796	0	%100
7	M4	X	10.884	10.884	0	%100
8	M4	Z	6.284	6.284	0	%100
9	M5	X	10.884	10.884	0	%100
10	M5	Z	6.284	6.284	0	%100
11	M6	X	11.12	11.12	0	%100
12	M6	Z	6.42	6.42	0	%100
13	M7	X	11.12	11.12	0	%100
14	M7	Z	6.42	6.42	0	%100
15	M18	X	8.503	8.503	0	%100
16	M18	Z	4.909	4.909	0	%100
17	M19	X	7.626	7.626	0	%100
18	M19	Z	4.403	4.403	0	%100
19	M20	X	9.331	9.331	0	%100
20	M20	Z	5.387	5.387	0	%100
21	M21	X	3.628	3.628	0	%100
22	M21	Z	2.095	2.095	0	%100
23	M22	X	3.626	3.626	0	%100
24	M22	Z	2.093	2.093	0	%100
25	M23	X	3.707	3.707	0	%100
26	M23	Z	2.14	2.14	0	%100
27	M24	X	3.707	3.707	0	%100
28	M24	Z	2.14	2.14	0	%100
29	M35	X	2.834	2.834	0	%100
30	M35	Z	1.636	1.636	0	%100
31	M36	X	2.542	2.542	0	%100
32	M36	Z	1.468	1.468	0	%100
33	M37	X	3.11	3.11	0	%100
34	M37	Z	1.796	1.796	0	%100
35	M38	X	10.884	10.884	0	%100
36	M38	Z	6.284	6.284	0	%100
37	M39	X	10.885	10.885	0	%100
38	M39	Z	6.285	6.285	0	%100
39	M40	X	11.12	11.12	0	%100
40	M40	Z	6.42	6.42	0	%100
41	M41	X	11.12	11.12	0	%100
42	M41	Z	6.42	6.42	0	%100
43	M52	X	8.503	8.503	0	%100
44	M52	Z	4.909	4.909	0	%100
45	M53	X	7.626	7.626	0	%100
46	M53	Z	4.403	4.403	0	%100
47	M54	X	9.331	9.331	0	%100
48	M54	Z	5.387	5.387	0	%100
49	M55	X	3.628	3.628	0	%100
50	M55	Z	2.095	2.095	0	%100
51	M56	X	3.628	3.628	0	%100
52	M56	Z	2.095	2.095	0	%100
53	M57	X	3.707	3.707	0	%100
54	M57	Z	2.14	2.14	0	%100
55	M58	X	3.707	3.707	0	%100
56	M58	Z	2.14	2.14	0	%100
57	M60	X	.583	.583	0	%100
58	M60	Z	.337	.337	0	%100
59	M61	X	.583	.583	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft...]	Start Location[ft,%]	End Location[ft,%]
60	M61	Z	.337	.337	0	%100
61	M62	X	.583	.583	0	%100
62	M62	Z	.337	.337	0	%100
63	M63	X	.583	.583	0	%100
64	M63	Z	.337	.337	0	%100
65	M69	X	11.396	11.396	0	%100
66	M69	Z	6.579	6.579	0	%100
67	M70	X	.052	.052	0	%100
68	M70	Z	.03	.03	0	%100
69	M71	X	.818	.818	0	%100
70	M71	Z	.472	.472	0	%100
71	M72	X	.717	.717	0	%100
72	M72	Z	.414	.414	0	%100
73	M73	X	11.396	11.396	0	%100
74	M73	Z	6.579	6.579	0	%100
75	M74	X	.051	.051	0	%100
76	M74	Z	.03	.03	0	%100
77	M75	X	.818	.818	0	%100
78	M75	Z	.472	.472	0	%100
79	M76	X	.717	.717	0	%100
80	M76	Z	.414	.414	0	%100
81	M77	X	5.114	5.114	0	%100
82	M77	Z	2.953	2.953	0	%100
83	M90	X	1.705	1.705	0	%100
84	M90	Z	.984	.984	0	%100
85	M103	X	5.114	5.114	0	%100
86	M103	Z	2.953	2.953	0	%100
87	M116	X	1.705	1.705	0	%100
88	M116	Z	.984	.984	0	%100
89	MP3A	X	6.819	6.819	0	%100
90	MP3A	Z	3.937	3.937	0	%100
91	MP1A	X	6.819	6.819	0	%100
92	MP1A	Z	3.937	3.937	0	%100
93	M129	X	.453	.453	0	%100
94	M129	Z	.262	.262	0	%100
95	M132	X	6.315	6.315	0	%100
96	M132	Z	3.646	3.646	0	%100
97	M135	X	.453	.453	0	%100
98	M135	Z	.262	.262	0	%100
99	M138	X	6.315	6.315	0	%100
100	M138	Z	3.646	3.646	0	%100
101	M141	X	.222	.222	0	%100
102	M141	Z	.128	.128	0	%100
103	M142	X	.222	.222	0	%100
104	M142	Z	.128	.128	0	%100
105	M143	X	.666	.666	0	%100
106	M143	Z	.384	.384	0	%100
107	M144	X	.666	.666	0	%100
108	M144	Z	.384	.384	0	%100
109	M145	X	.222	.222	0	%100
110	M145	Z	.128	.128	0	%100
111	M146	X	.222	.222	0	%100
112	M146	Z	.128	.128	0	%100
113	M147	X	.666	.666	0	%100
114	M147	Z	.384	.384	0	%100
115	M148	X	.666	.666	0	%100
116	M148	Z	.384	.384	0	%100
117	OVP1	X	5.576	5.576	0	%100
118	OVP1	Z	3.219	3.219	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
119	MP2D	X	6.819	6.819	0 %100
120	MP2D	Z	3.937	3.937	0 %100
121	MP1D	X	6.819	6.819	0 %100
122	MP1D	Z	3.937	3.937	0 %100
123	MP2C	X	6.819	6.819	0 %100
124	MP2C	Z	3.937	3.937	0 %100
125	MP1C	X	6.819	6.819	0 %100
126	MP1C	Z	3.937	3.937	0 %100
127	MP2B	X	6.819	6.819	0 %100
128	MP2B	Z	3.937	3.937	0 %100
129	MP1B	X	6.819	6.819	0 %100
130	MP1B	Z	3.937	3.937	0 %100
131	MP2A	X	6.819	6.819	0 %100
132	MP2A	Z	3.937	3.937	0 %100
133	MP4A	X	6.819	6.819	0 %100
134	MP4A	Z	3.937	3.937	0 %100
135	MP3D	X	6.819	6.819	0 %100
136	MP3D	Z	3.937	3.937	0 %100
137	MP3C	X	6.819	6.819	0 %100
138	MP3C	Z	3.937	3.937	0 %100
139	MP5C	X	6.819	6.819	0 %100
140	MP5C	Z	3.937	3.937	0 %100
141	MP3B	X	6.819	6.819	0 %100
142	MP3B	Z	3.937	3.937	0 %100
143	MP4B	X	6.819	6.819	0 %100
144	MP4B	Z	3.937	3.937	0 %100
145	MP4D	X	6.819	6.819	0 %100
146	MP4D	Z	3.937	3.937	0 %100
147	M156B	X	.583	.583	0 %100
148	M156B	Z	.337	.337	0 %100
149	M152	X	.583	.583	0 %100
150	M152	Z	.337	.337	0 %100
151	M153	X	.583	.583	0 %100
152	M153	Z	.337	.337	0 %100
153	M154A	X	.583	.583	0 %100
154	M154A	Z	.337	.337	0 %100
155	M155C	X	.583	.583	0 %100
156	M155C	Z	.337	.337	0 %100
157	M156C	X	.583	.583	0 %100
158	M156C	Z	.337	.337	0 %100
159	M127A	X	.194	.194	0 %100
160	M127A	Z	.112	.112	0 %100
161	M128	X	.194	.194	0 %100
162	M128	Z	.112	.112	0 %100
163	M129B	X	.194	.194	0 %100
164	M129B	Z	.112	.112	0 %100
165	M130B	X	.194	.194	0 %100
166	M130B	Z	.112	.112	0 %100
167	M131A	X	.194	.194	0 %100
168	M131A	Z	.112	.112	0 %100
169	M132A	X	.194	.194	0 %100
170	M132A	Z	.112	.112	0 %100
171	M133A	X	.194	.194	0 %100
172	M133A	Z	.112	.112	0 %100
173	M134A	X	.194	.194	0 %100
174	M134A	Z	.112	.112	0 %100
175	M135A	X	.194	.194	0 %100
176	M135A	Z	.112	.112	0 %100
177	M136A	X	.194	.194	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft,%]	End Location[ft,%]
178	M136A	Z	.112	.112	0	%100
179	M137A	X	.583	.583	0	%100
180	M137A	Z	.337	.337	0	%100
181	M138B	X	.583	.583	0	%100
182	M138B	Z	.337	.337	0	%100
183	M139B	X	.583	.583	0	%100
184	M139B	Z	.337	.337	0	%100
185	M140A	X	.583	.583	0	%100
186	M140A	Z	.337	.337	0	%100
187	M141B	X	.583	.583	0	%100
188	M141B	Z	.337	.337	0	%100
189	M142B	X	.583	.583	0	%100
190	M142B	Z	.337	.337	0	%100
191	M143A	X	.583	.583	0	%100
192	M143A	Z	.337	.337	0	%100
193	M144A	X	.583	.583	0	%100
194	M144A	Z	.337	.337	0	%100
195	M145A	X	.583	.583	0	%100
196	M145A	Z	.337	.337	0	%100
197	M146A	X	.583	.583	0	%100
198	M146A	Z	.337	.337	0	%100
199	M147A	X	.194	.194	0	%100
200	M147A	Z	.112	.112	0	%100
201	M148A	X	.194	.194	0	%100
202	M148A	Z	.112	.112	0	%100
203	M149A	X	.194	.194	0	%100
204	M149A	Z	.112	.112	0	%100
205	M150B	X	.194	.194	0	%100
206	M150B	Z	.112	.112	0	%100
207	M151	X	.194	.194	0	%100
208	M151	Z	.112	.112	0	%100
209	M152A	X	.194	.194	0	%100
210	M152A	Z	.112	.112	0	%100
211	M153B	X	.194	.194	0	%100
212	M153B	Z	.112	.112	0	%100
213	M154B	X	.194	.194	0	%100
214	M154B	Z	.112	.112	0	%100
215	M155D	X	.194	.194	0	%100
216	M155D	Z	.112	.112	0	%100
217	M156D	X	.194	.194	0	%100
218	M156D	Z	.112	.112	0	%100
219	M157C	X	.583	.583	0	%100
220	M157C	Z	.337	.337	0	%100
221	M158C	X	.583	.583	0	%100
222	M158C	Z	.337	.337	0	%100
223	M159A	X	.583	.583	0	%100
224	M159A	Z	.337	.337	0	%100
225	M160	X	.583	.583	0	%100
226	M160	Z	.337	.337	0	%100
227	M161	X	.583	.583	0	%100
228	M161	Z	.337	.337	0	%100
229	M162B	X	.583	.583	0	%100
230	M162B	Z	.337	.337	0	%100
231	M163A	X	.583	.583	0	%100
232	M163A	Z	.337	.337	0	%100
233	M164A	X	.583	.583	0	%100
234	M164A	Z	.337	.337	0	%100
235	M165	X	.583	.583	0	%100
236	M165	Z	.337	.337	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
237	M166	X	.583	.583	0	%100
238	M166	Z	.337	.337	0	%100
239	MP4C	X	6.819	6.819	0	%100
240	MP4C	Z	3.937	3.937	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	4.909	4.909	0	%100
2	M1	Z	8.503	8.503	0	%100
3	M2	X	4.403	4.403	0	%100
4	M2	Z	7.626	7.626	0	%100
5	M3	X	5.387	5.387	0	%100
6	M3	Z	9.331	9.331	0	%100
7	M4	X	2.095	2.095	0	%100
8	M4	Z	3.628	3.628	0	%100
9	M5	X	2.095	2.095	0	%100
10	M5	Z	3.628	3.628	0	%100
11	M6	X	2.14	2.14	0	%100
12	M6	Z	3.707	3.707	0	%100
13	M7	X	2.14	2.14	0	%100
14	M7	Z	3.707	3.707	0	%100
15	M18	X	1.636	1.636	0	%100
16	M18	Z	2.834	2.834	0	%100
17	M19	X	1.468	1.468	0	%100
18	M19	Z	2.542	2.542	0	%100
19	M20	X	1.796	1.796	0	%100
20	M20	Z	3.11	3.11	0	%100
21	M21	X	6.284	6.284	0	%100
22	M21	Z	10.884	10.884	0	%100
23	M22	X	6.283	6.283	0	%100
24	M22	Z	10.882	10.882	0	%100
25	M23	X	6.42	6.42	0	%100
26	M23	Z	11.12	11.12	0	%100
27	M24	X	6.42	6.42	0	%100
28	M24	Z	11.12	11.12	0	%100
29	M35	X	4.909	4.909	0	%100
30	M35	Z	8.503	8.503	0	%100
31	M36	X	4.403	4.403	0	%100
32	M36	Z	7.626	7.626	0	%100
33	M37	X	5.387	5.387	0	%100
34	M37	Z	9.331	9.331	0	%100
35	M38	X	2.095	2.095	0	%100
36	M38	Z	3.628	3.628	0	%100
37	M39	X	2.096	2.096	0	%100
38	M39	Z	3.63	3.63	0	%100
39	M40	X	2.14	2.14	0	%100
40	M40	Z	3.707	3.707	0	%100
41	M41	X	2.14	2.14	0	%100
42	M41	Z	3.707	3.707	0	%100
43	M52	X	1.636	1.636	0	%100
44	M52	Z	2.834	2.834	0	%100
45	M53	X	1.468	1.468	0	%100
46	M53	Z	2.542	2.542	0	%100
47	M54	X	1.796	1.796	0	%100
48	M54	Z	3.11	3.11	0	%100
49	M55	X	6.284	6.284	0	%100
50	M55	Z	10.884	10.884	0	%100
51	M56	X	6.284	6.284	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
111	M146	X	.384	.384	0	%100
112	M146	Z	.666	.666	0	%100
113	M147	X	.128	.128	0	%100
114	M147	Z	.222	.222	0	%100
115	M148	X	.128	.128	0	%100
116	M148	Z	.222	.222	0	%100
117	OVP1	X	3.219	3.219	0	%100
118	OVP1	Z	5.576	5.576	0	%100
119	MP2D	X	3.937	3.937	0	%100
120	MP2D	Z	6.819	6.819	0	%100
121	MP1D	X	3.937	3.937	0	%100
122	MP1D	Z	6.819	6.819	0	%100
123	MP2C	X	3.937	3.937	0	%100
124	MP2C	Z	6.819	6.819	0	%100
125	MP1C	X	3.937	3.937	0	%100
126	MP1C	Z	6.819	6.819	0	%100
127	MP2B	X	3.937	3.937	0	%100
128	MP2B	Z	6.819	6.819	0	%100
129	MP1B	X	3.937	3.937	0	%100
130	MP1B	Z	6.819	6.819	0	%100
131	MP2A	X	3.937	3.937	0	%100
132	MP2A	Z	6.819	6.819	0	%100
133	MP4A	X	3.937	3.937	0	%100
134	MP4A	Z	6.819	6.819	0	%100
135	MP3D	X	3.937	3.937	0	%100
136	MP3D	Z	6.819	6.819	0	%100
137	MP3C	X	3.937	3.937	0	%100
138	MP3C	Z	6.819	6.819	0	%100
139	MP5C	X	3.937	3.937	0	%100
140	MP5C	Z	6.819	6.819	0	%100
141	MP3B	X	3.937	3.937	0	%100
142	MP3B	Z	6.819	6.819	0	%100
143	MP4B	X	3.937	3.937	0	%100
144	MP4B	Z	6.819	6.819	0	%100
145	MP4D	X	3.937	3.937	0	%100
146	MP4D	Z	6.819	6.819	0	%100
147	M156B	X	.112	.112	0	%100
148	M156B	Z	.194	.194	0	%100
149	M152	X	.112	.112	0	%100
150	M152	Z	.194	.194	0	%100
151	M153	X	.112	.112	0	%100
152	M153	Z	.194	.194	0	%100
153	M154A	X	.112	.112	0	%100
154	M154A	Z	.194	.194	0	%100
155	M155C	X	.112	.112	0	%100
156	M155C	Z	.194	.194	0	%100
157	M156C	X	.112	.112	0	%100
158	M156C	Z	.194	.194	0	%100
159	M127A	X	.337	.337	0	%100
160	M127A	Z	.583	.583	0	%100
161	M128	X	.337	.337	0	%100
162	M128	Z	.583	.583	0	%100
163	M129B	X	.337	.337	0	%100
164	M129B	Z	.583	.583	0	%100
165	M130B	X	.337	.337	0	%100
166	M130B	Z	.583	.583	0	%100
167	M131A	X	.337	.337	0	%100
168	M131A	Z	.583	.583	0	%100
169	M132A	X	.337	.337	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft,%]	End Location[ft,%]
170	M132A	Z	.583	.583	0 %100
171	M133A	X	.337	.337	0 %100
172	M133A	Z	.583	.583	0 %100
173	M134A	X	.337	.337	0 %100
174	M134A	Z	.583	.583	0 %100
175	M135A	X	.337	.337	0 %100
176	M135A	Z	.583	.583	0 %100
177	M136A	X	.337	.337	0 %100
178	M136A	Z	.583	.583	0 %100
179	M137A	X	.112	.112	0 %100
180	M137A	Z	.194	.194	0 %100
181	M138B	X	.112	.112	0 %100
182	M138B	Z	.194	.194	0 %100
183	M139B	X	.112	.112	0 %100
184	M139B	Z	.194	.194	0 %100
185	M140A	X	.112	.112	0 %100
186	M140A	Z	.194	.194	0 %100
187	M141B	X	.112	.112	0 %100
188	M141B	Z	.194	.194	0 %100
189	M142B	X	.112	.112	0 %100
190	M142B	Z	.194	.194	0 %100
191	M143A	X	.112	.112	0 %100
192	M143A	Z	.194	.194	0 %100
193	M144A	X	.112	.112	0 %100
194	M144A	Z	.194	.194	0 %100
195	M145A	X	.112	.112	0 %100
196	M145A	Z	.194	.194	0 %100
197	M146A	X	.112	.112	0 %100
198	M146A	Z	.194	.194	0 %100
199	M147A	X	.337	.337	0 %100
200	M147A	Z	.583	.583	0 %100
201	M148A	X	.337	.337	0 %100
202	M148A	Z	.583	.583	0 %100
203	M149A	X	.337	.337	0 %100
204	M149A	Z	.583	.583	0 %100
205	M150B	X	.337	.337	0 %100
206	M150B	Z	.583	.583	0 %100
207	M151	X	.337	.337	0 %100
208	M151	Z	.583	.583	0 %100
209	M152A	X	.337	.337	0 %100
210	M152A	Z	.583	.583	0 %100
211	M153B	X	.337	.337	0 %100
212	M153B	Z	.583	.583	0 %100
213	M154B	X	.337	.337	0 %100
214	M154B	Z	.583	.583	0 %100
215	M155D	X	.337	.337	0 %100
216	M155D	Z	.583	.583	0 %100
217	M156D	X	.337	.337	0 %100
218	M156D	Z	.583	.583	0 %100
219	M157C	X	.112	.112	0 %100
220	M157C	Z	.194	.194	0 %100
221	M158C	X	.112	.112	0 %100
222	M158C	Z	.194	.194	0 %100
223	M159A	X	.112	.112	0 %100
224	M159A	Z	.194	.194	0 %100
225	M160	X	.112	.112	0 %100
226	M160	Z	.194	.194	0 %100
227	M161	X	.112	.112	0 %100
228	M161	Z	.194	.194	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
229	M162B	X	.112	.112	0	%100
230	M162B	Z	.194	.194	0	%100
231	M163A	X	.112	.112	0	%100
232	M163A	Z	.194	.194	0	%100
233	M164A	X	.112	.112	0	%100
234	M164A	Z	.194	.194	0	%100
235	M165	X	.112	.112	0	%100
236	M165	Z	.194	.194	0	%100
237	M166	X	.112	.112	0	%100
238	M166	Z	.194	.194	0	%100
239	MP4C	X	3.937	3.937	0	%100
240	MP4C	Z	6.819	6.819	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	13.091	13.091	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	11.742	11.742	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	14.366	14.366	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	16.757	16.757	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	16.756	16.756	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	17.121	17.121	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	17.121	17.121	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	13.091	13.091	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	11.742	11.742	0	%100
33	M37	X	0	0	0	%100
34	M37	Z	14.366	14.366	0	%100
35	M38	X	0	0	0	%100
36	M38	Z	0	0	0	%100
37	M39	X	0	0	0	%100
38	M39	Z	0	0	0	%100
39	M40	X	0	0	0	%100
40	M40	Z	0	0	0	%100
41	M41	X	0	0	0	%100
42	M41	Z	0	0	0	%100
43	M52	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
44	M52	Z	0	0	%100
45	M53	X	0	0	%100
46	M53	Z	0	0	%100
47	M54	X	0	0	%100
48	M54	Z	0	0	%100
49	M55	X	0	0	%100
50	M55	Z	16.757	16.757	%100
51	M56	X	0	0	%100
52	M56	Z	16.757	16.757	%100
53	M57	X	0	0	%100
54	M57	Z	17.121	17.121	%100
55	M58	X	0	0	%100
56	M58	Z	17.121	17.121	%100
57	M60	X	0	0	%100
58	M60	Z	0	0	%100
59	M61	X	0	0	%100
60	M61	Z	0	0	%100
61	M62	X	0	0	%100
62	M62	Z	0	0	%100
63	M63	X	0	0	%100
64	M63	Z	0	0	%100
65	M69	X	0	0	%100
66	M69	Z	7.052	7.052	%100
67	M70	X	0	0	%100
68	M70	Z	.444	.444	%100
69	M71	X	0	0	%100
70	M71	Z	7.052	7.052	%100
71	M72	X	0	0	%100
72	M72	Z	.444	.444	%100
73	M73	X	0	0	%100
74	M73	Z	7.052	7.052	%100
75	M74	X	0	0	%100
76	M74	Z	.444	.444	%100
77	M75	X	0	0	%100
78	M75	Z	7.052	7.052	%100
79	M76	X	0	0	%100
80	M76	Z	.444	.444	%100
81	M77	X	0	0	%100
82	M77	Z	0	0	%100
83	M90	X	0	0	%100
84	M90	Z	7.874	7.874	%100
85	M103	X	0	0	%100
86	M103	Z	0	0	%100
87	M116	X	0	0	%100
88	M116	Z	7.874	7.874	%100
89	MP3A	X	0	0	%100
90	MP3A	Z	7.874	7.874	%100
91	MP1A	X	0	0	%100
92	MP1A	Z	7.874	7.874	%100
93	M129	X	0	0	%100
94	M129	Z	3.908	3.908	%100
95	M132	X	0	0	%100
96	M132	Z	3.908	3.908	%100
97	M135	X	0	0	%100
98	M135	Z	3.908	3.908	%100
99	M138	X	0	0	%100
100	M138	Z	3.908	3.908	%100
101	M141	X	0	0	%100
102	M141	Z	1.025	1.025	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
103	M142	X	0	0	0	%100
104	M142	Z	1.025	1.025	0	%100
105	M143	X	0	0	0	%100
106	M143	Z	0	0	0	%100
107	M144	X	0	0	0	%100
108	M144	Z	0	0	0	%100
109	M145	X	0	0	0	%100
110	M145	Z	1.025	1.025	0	%100
111	M146	X	0	0	0	%100
112	M146	Z	1.025	1.025	0	%100
113	M147	X	0	0	0	%100
114	M147	Z	0	0	0	%100
115	M148	X	0	0	0	%100
116	M148	Z	0	0	0	%100
117	OVP1	X	0	0	0	%100
118	OVP1	Z	6.439	6.439	0	%100
119	MP2D	X	0	0	0	%100
120	MP2D	Z	7.874	7.874	0	%100
121	MP1D	X	0	0	0	%100
122	MP1D	Z	7.874	7.874	0	%100
123	MP2C	X	0	0	0	%100
124	MP2C	Z	7.874	7.874	0	%100
125	MP1C	X	0	0	0	%100
126	MP1C	Z	7.874	7.874	0	%100
127	MP2B	X	0	0	0	%100
128	MP2B	Z	7.874	7.874	0	%100
129	MP1B	X	0	0	0	%100
130	MP1B	Z	7.874	7.874	0	%100
131	MP2A	X	0	0	0	%100
132	MP2A	Z	7.874	7.874	0	%100
133	MP4A	X	0	0	0	%100
134	MP4A	Z	7.874	7.874	0	%100
135	MP3D	X	0	0	0	%100
136	MP3D	Z	7.874	7.874	0	%100
137	MP3C	X	0	0	0	%100
138	MP3C	Z	7.874	7.874	0	%100
139	MP5C	X	0	0	0	%100
140	MP5C	Z	7.874	7.874	0	%100
141	MP3B	X	0	0	0	%100
142	MP3B	Z	7.874	7.874	0	%100
143	MP4B	X	0	0	0	%100
144	MP4B	Z	7.874	7.874	0	%100
145	MP4D	X	0	0	0	%100
146	MP4D	Z	7.874	7.874	0	%100
147	M156B	X	0	0	0	%100
148	M156B	Z	0	0	0	%100
149	M152	X	0	0	0	%100
150	M152	Z	0	0	0	%100
151	M153	X	0	0	0	%100
152	M153	Z	0	0	0	%100
153	M154A	X	0	0	0	%100
154	M154A	Z	0	0	0	%100
155	M155C	X	0	0	0	%100
156	M155C	Z	0	0	0	%100
157	M156C	X	0	0	0	%100
158	M156C	Z	0	0	0	%100
159	M127A	X	0	0	0	%100
160	M127A	Z	.898	.898	0	%100
161	M128	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....	Start Location ft.%	End Location ft.%
162	M128	Z	.898	.898	0	%100
163	M129B	X	0	0	0	%100
164	M129B	Z	.898	.898	0	%100
165	M130B	X	0	0	0	%100
166	M130B	Z	.898	.898	0	%100
167	M131A	X	0	0	0	%100
168	M131A	Z	.898	.898	0	%100
169	M132A	X	0	0	0	%100
170	M132A	Z	.898	.898	0	%100
171	M133A	X	0	0	0	%100
172	M133A	Z	.898	.898	0	%100
173	M134A	X	0	0	0	%100
174	M134A	Z	.898	.898	0	%100
175	M135A	X	0	0	0	%100
176	M135A	Z	.898	.898	0	%100
177	M136A	X	0	0	0	%100
178	M136A	Z	.898	.898	0	%100
179	M137A	X	0	0	0	%100
180	M137A	Z	0	0	0	%100
181	M138B	X	0	0	0	%100
182	M138B	Z	0	0	0	%100
183	M139B	X	0	0	0	%100
184	M139B	Z	0	0	0	%100
185	M140A	X	0	0	0	%100
186	M140A	Z	0	0	0	%100
187	M141B	X	0	0	0	%100
188	M141B	Z	0	0	0	%100
189	M142B	X	0	0	0	%100
190	M142B	Z	0	0	0	%100
191	M143A	X	0	0	0	%100
192	M143A	Z	0	0	0	%100
193	M144A	X	0	0	0	%100
194	M144A	Z	0	0	0	%100
195	M145A	X	0	0	0	%100
196	M145A	Z	0	0	0	%100
197	M146A	X	0	0	0	%100
198	M146A	Z	0	0	0	%100
199	M147A	X	0	0	0	%100
200	M147A	Z	.898	.898	0	%100
201	M148A	X	0	0	0	%100
202	M148A	Z	.898	.898	0	%100
203	M149A	X	0	0	0	%100
204	M149A	Z	.898	.898	0	%100
205	M150B	X	0	0	0	%100
206	M150B	Z	.898	.898	0	%100
207	M151	X	0	0	0	%100
208	M151	Z	.898	.898	0	%100
209	M152A	X	0	0	0	%100
210	M152A	Z	.898	.898	0	%100
211	M153B	X	0	0	0	%100
212	M153B	Z	.898	.898	0	%100
213	M154B	X	0	0	0	%100
214	M154B	Z	.898	.898	0	%100
215	M155D	X	0	0	0	%100
216	M155D	Z	.898	.898	0	%100
217	M156D	X	0	0	0	%100
218	M156D	Z	.898	.898	0	%100
219	M157C	X	0	0	0	%100
220	M157C	Z	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....	Start Location[ft.%]	End Location[ft.%]
221	M158C	X	0	0	0	%100
222	M158C	Z	0	0	0	%100
223	M159A	X	0	0	0	%100
224	M159A	Z	0	0	0	%100
225	M160	X	0	0	0	%100
226	M160	Z	0	0	0	%100
227	M161	X	0	0	0	%100
228	M161	Z	0	0	0	%100
229	M162B	X	0	0	0	%100
230	M162B	Z	0	0	0	%100
231	M163A	X	0	0	0	%100
232	M163A	Z	0	0	0	%100
233	M164A	X	0	0	0	%100
234	M164A	Z	0	0	0	%100
235	M165	X	0	0	0	%100
236	M165	Z	0	0	0	%100
237	M166	X	0	0	0	%100
238	M166	Z	0	0	0	%100
239	MP4C	X	0	0	0	%100
240	MP4C	Z	7.874	7.874	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-4.909	-4.909	0	%100
2	M1	Z	8.503	8.503	0	%100
3	M2	X	-4.403	-4.403	0	%100
4	M2	Z	7.626	7.626	0	%100
5	M3	X	-5.387	-5.387	0	%100
6	M3	Z	9.331	9.331	0	%100
7	M4	X	-2.095	-2.095	0	%100
8	M4	Z	3.628	3.628	0	%100
9	M5	X	-2.095	-2.095	0	%100
10	M5	Z	3.628	3.628	0	%100
11	M6	X	-2.14	-2.14	0	%100
12	M6	Z	3.707	3.707	0	%100
13	M7	X	-2.14	-2.14	0	%100
14	M7	Z	3.707	3.707	0	%100
15	M18	X	-1.636	-1.636	0	%100
16	M18	Z	2.834	2.834	0	%100
17	M19	X	-1.468	-1.468	0	%100
18	M19	Z	2.542	2.542	0	%100
19	M20	X	-1.796	-1.796	0	%100
20	M20	Z	3.11	3.11	0	%100
21	M21	X	-6.284	-6.284	0	%100
22	M21	Z	10.884	10.884	0	%100
23	M22	X	-6.285	-6.285	0	%100
24	M22	Z	10.885	10.885	0	%100
25	M23	X	-6.42	-6.42	0	%100
26	M23	Z	11.12	11.12	0	%100
27	M24	X	-6.42	-6.42	0	%100
28	M24	Z	11.12	11.12	0	%100
29	M35	X	-4.909	-4.909	0	%100
30	M35	Z	8.503	8.503	0	%100
31	M36	X	-4.403	-4.403	0	%100
32	M36	Z	7.626	7.626	0	%100
33	M37	X	-5.387	-5.387	0	%100
34	M37	Z	9.331	9.331	0	%100
35	M38	X	-2.095	-2.095	0	%100



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

Member Label	Direction	Start Magnitude lb/ft....	End Magnitude lb/ft....	Start Location ft.%	End Location ft.%
36	M38	Z	3.628	3.628	0 %100
37	M39	X	-2.093	-2.093	0 %100
38	M39	Z	3.626	3.626	0 %100
39	M40	X	-2.14	-2.14	0 %100
40	M40	Z	3.707	3.707	0 %100
41	M41	X	-2.14	-2.14	0 %100
42	M41	Z	3.707	3.707	0 %100
43	M52	X	-1.636	-1.636	0 %100
44	M52	Z	2.834	2.834	0 %100
45	M53	X	-1.468	-1.468	0 %100
46	M53	Z	2.542	2.542	0 %100
47	M54	X	-1.796	-1.796	0 %100
48	M54	Z	3.11	3.11	0 %100
49	M55	X	-6.284	-6.284	0 %100
50	M55	Z	10.884	10.884	0 %100
51	M56	X	-6.284	-6.284	0 %100
52	M56	Z	10.884	10.884	0 %100
53	M57	X	-6.42	-6.42	0 %100
54	M57	Z	11.12	11.12	0 %100
55	M58	X	-6.42	-6.42	0 %100
56	M58	Z	11.12	11.12	0 %100
57	M60	X	-.112	-.112	0 %100
58	M60	Z	.194	.194	0 %100
59	M61	X	-.112	-.112	0 %100
60	M61	Z	.194	.194	0 %100
61	M62	X	-.112	-.112	0 %100
62	M62	Z	.194	.194	0 %100
63	M63	X	-.112	-.112	0 %100
64	M63	Z	.194	.194	0 %100
65	M69	X	-.472	-.472	0 %100
66	M69	Z	.818	.818	0 %100
67	M70	X	-.414	-.414	0 %100
68	M70	Z	.717	.717	0 %100
69	M71	X	-6.579	-6.579	0 %100
70	M71	Z	11.396	11.396	0 %100
71	M72	X	-.03	-.03	0 %100
72	M72	Z	.051	.051	0 %100
73	M73	X	-.472	-.472	0 %100
74	M73	Z	.818	.818	0 %100
75	M74	X	-.414	-.414	0 %100
76	M74	Z	.717	.717	0 %100
77	M75	X	-6.579	-6.579	0 %100
78	M75	Z	11.396	11.396	0 %100
79	M76	X	-.03	-.03	0 %100
80	M76	Z	.051	.051	0 %100
81	M77	X	-.984	-.984	0 %100
82	M77	Z	1.705	1.705	0 %100
83	M90	X	-2.953	-2.953	0 %100
84	M90	Z	5.114	5.114	0 %100
85	M103	X	-.984	-.984	0 %100
86	M103	Z	1.705	1.705	0 %100
87	M116	X	-2.953	-2.953	0 %100
88	M116	Z	5.114	5.114	0 %100
89	MP3A	X	-3.937	-3.937	0 %100
90	MP3A	Z	6.819	6.819	0 %100
91	MP1A	X	-3.937	-3.937	0 %100
92	MP1A	Z	6.819	6.819	0 %100
93	M129	X	-3.646	-3.646	0 %100
94	M129	Z	6.315	6.315	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
95	M132	X	-.262	-.262	0	%100
96	M132	Z	.453	.453	0	%100
97	M135	X	-3.646	-3.646	0	%100
98	M135	Z	6.315	6.315	0	%100
99	M138	X	-.262	-.262	0	%100
100	M138	Z	.453	.453	0	%100
101	M141	X	-.384	-.384	0	%100
102	M141	Z	.665	.665	0	%100
103	M142	X	-.384	-.384	0	%100
104	M142	Z	.665	.665	0	%100
105	M143	X	-.128	-.128	0	%100
106	M143	Z	.222	.222	0	%100
107	M144	X	-.128	-.128	0	%100
108	M144	Z	.222	.222	0	%100
109	M145	X	-.384	-.384	0	%100
110	M145	Z	.666	.666	0	%100
111	M146	X	-.384	-.384	0	%100
112	M146	Z	.666	.666	0	%100
113	M147	X	-.128	-.128	0	%100
114	M147	Z	.222	.222	0	%100
115	M148	X	-.128	-.128	0	%100
116	M148	Z	.222	.222	0	%100
117	OVP1	X	-3.219	-3.219	0	%100
118	OVP1	Z	5.576	5.576	0	%100
119	MP2D	X	-3.937	-3.937	0	%100
120	MP2D	Z	6.819	6.819	0	%100
121	MP1D	X	-3.937	-3.937	0	%100
122	MP1D	Z	6.819	6.819	0	%100
123	MP2C	X	-3.937	-3.937	0	%100
124	MP2C	Z	6.819	6.819	0	%100
125	MP1C	X	-3.937	-3.937	0	%100
126	MP1C	Z	6.819	6.819	0	%100
127	MP2B	X	-3.937	-3.937	0	%100
128	MP2B	Z	6.819	6.819	0	%100
129	MP1B	X	-3.937	-3.937	0	%100
130	MP1B	Z	6.819	6.819	0	%100
131	MP2A	X	-3.937	-3.937	0	%100
132	MP2A	Z	6.819	6.819	0	%100
133	MP4A	X	-3.937	-3.937	0	%100
134	MP4A	Z	6.819	6.819	0	%100
135	MP3D	X	-3.937	-3.937	0	%100
136	MP3D	Z	6.819	6.819	0	%100
137	MP3C	X	-3.937	-3.937	0	%100
138	MP3C	Z	6.819	6.819	0	%100
139	MP5C	X	-3.937	-3.937	0	%100
140	MP5C	Z	6.819	6.819	0	%100
141	MP3B	X	-3.937	-3.937	0	%100
142	MP3B	Z	6.819	6.819	0	%100
143	MP4B	X	-3.937	-3.937	0	%100
144	MP4B	Z	6.819	6.819	0	%100
145	MP4D	X	-3.937	-3.937	0	%100
146	MP4D	Z	6.819	6.819	0	%100
147	M156B	X	-.112	-.112	0	%100
148	M156B	Z	.194	.194	0	%100
149	M152	X	-.112	-.112	0	%100
150	M152	Z	.194	.194	0	%100
151	M153	X	-.112	-.112	0	%100
152	M153	Z	.194	.194	0	%100
153	M154A	X	-.112	-.112	0	%100



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

	Member Label	Direction	Start Magnitude lb/ft...	End Magnitude lb/ft...	Start Location ft,%	End Location ft,%
154	M154A	Z	.194	.194	0	%100
155	M155C	X	-.112	-.112	0	%100
156	M155C	Z	.194	.194	0	%100
157	M156C	X	-.112	-.112	0	%100
158	M156C	Z	.194	.194	0	%100
159	M127A	X	-.337	-.337	0	%100
160	M127A	Z	.583	.583	0	%100
161	M128	X	-.337	-.337	0	%100
162	M128	Z	.583	.583	0	%100
163	M129B	X	-.337	-.337	0	%100
164	M129B	Z	.583	.583	0	%100
165	M130B	X	-.337	-.337	0	%100
166	M130B	Z	.583	.583	0	%100
167	M131A	X	-.337	-.337	0	%100
168	M131A	Z	.583	.583	0	%100
169	M132A	X	-.337	-.337	0	%100
170	M132A	Z	.583	.583	0	%100
171	M133A	X	-.337	-.337	0	%100
172	M133A	Z	.583	.583	0	%100
173	M134A	X	-.337	-.337	0	%100
174	M134A	Z	.583	.583	0	%100
175	M135A	X	-.337	-.337	0	%100
176	M135A	Z	.583	.583	0	%100
177	M136A	X	-.337	-.337	0	%100
178	M136A	Z	.583	.583	0	%100
179	M137A	X	-.112	-.112	0	%100
180	M137A	Z	.194	.194	0	%100
181	M138B	X	-.112	-.112	0	%100
182	M138B	Z	.194	.194	0	%100
183	M139B	X	-.112	-.112	0	%100
184	M139B	Z	.194	.194	0	%100
185	M140A	X	-.112	-.112	0	%100
186	M140A	Z	.194	.194	0	%100
187	M141B	X	-.112	-.112	0	%100
188	M141B	Z	.194	.194	0	%100
189	M142B	X	-.112	-.112	0	%100
190	M142B	Z	.194	.194	0	%100
191	M143A	X	-.112	-.112	0	%100
192	M143A	Z	.194	.194	0	%100
193	M144A	X	-.112	-.112	0	%100
194	M144A	Z	.194	.194	0	%100
195	M145A	X	-.112	-.112	0	%100
196	M145A	Z	.194	.194	0	%100
197	M146A	X	-.112	-.112	0	%100
198	M146A	Z	.194	.194	0	%100
199	M147A	X	-.337	-.337	0	%100
200	M147A	Z	.583	.583	0	%100
201	M148A	X	-.337	-.337	0	%100
202	M148A	Z	.583	.583	0	%100
203	M149A	X	-.337	-.337	0	%100
204	M149A	Z	.583	.583	0	%100
205	M150B	X	-.337	-.337	0	%100
206	M150B	Z	.583	.583	0	%100
207	M151	X	-.337	-.337	0	%100
208	M151	Z	.583	.583	0	%100
209	M152A	X	-.337	-.337	0	%100
210	M152A	Z	.583	.583	0	%100
211	M153B	X	-.337	-.337	0	%100
212	M153B	Z	.583	.583	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
213	M154B	X	-.337	-.337	0	%100
214	M154B	Z	.583	.583	0	%100
215	M155D	X	-.337	-.337	0	%100
216	M155D	Z	.583	.583	0	%100
217	M156D	X	-.337	-.337	0	%100
218	M156D	Z	.583	.583	0	%100
219	M157C	X	-.112	-.112	0	%100
220	M157C	Z	.194	.194	0	%100
221	M158C	X	-.112	-.112	0	%100
222	M158C	Z	.194	.194	0	%100
223	M159A	X	-.112	-.112	0	%100
224	M159A	Z	.194	.194	0	%100
225	M160	X	-.112	-.112	0	%100
226	M160	Z	.194	.194	0	%100
227	M161	X	-.112	-.112	0	%100
228	M161	Z	.194	.194	0	%100
229	M162B	X	-.112	-.112	0	%100
230	M162B	Z	.194	.194	0	%100
231	M163A	X	-.112	-.112	0	%100
232	M163A	Z	.194	.194	0	%100
233	M164A	X	-.112	-.112	0	%100
234	M164A	Z	.194	.194	0	%100
235	M165	X	-.112	-.112	0	%100
236	M165	Z	.194	.194	0	%100
237	M166	X	-.112	-.112	0	%100
238	M166	Z	.194	.194	0	%100
239	MP4C	X	-3.937	-3.937	0	%100
240	MP4C	Z	6.819	6.819	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-2.834	-2.834	0	%100
2	M1	Z	1.636	1.636	0	%100
3	M2	X	-2.542	-2.542	0	%100
4	M2	Z	1.468	1.468	0	%100
5	M3	X	-3.11	-3.11	0	%100
6	M3	Z	1.796	1.796	0	%100
7	M4	X	-10.884	-10.884	0	%100
8	M4	Z	6.284	6.284	0	%100
9	M5	X	-10.884	-10.884	0	%100
10	M5	Z	6.284	6.284	0	%100
11	M6	X	-11.12	-11.12	0	%100
12	M6	Z	6.42	6.42	0	%100
13	M7	X	-11.12	-11.12	0	%100
14	M7	Z	6.42	6.42	0	%100
15	M18	X	-8.503	-8.503	0	%100
16	M18	Z	4.909	4.909	0	%100
17	M19	X	-7.626	-7.626	0	%100
18	M19	Z	4.403	4.403	0	%100
19	M20	X	-9.331	-9.331	0	%100
20	M20	Z	5.387	5.387	0	%100
21	M21	X	-3.628	-3.628	0	%100
22	M21	Z	2.095	2.095	0	%100
23	M22	X	-3.63	-3.63	0	%100
24	M22	Z	2.096	2.096	0	%100
25	M23	X	-3.707	-3.707	0	%100
26	M23	Z	2.14	2.14	0	%100
27	M24	X	-3.707	-3.707	0	%100



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

	Member Label	Direction	Start Magnitude lb/ft...	End Magnitude lb/ft...	Start Location ft,%	End Location ft,%
28	M24	Z	2.14	2.14	0	%100
29	M35	X	-2.834	-2.834	0	%100
30	M35	Z	1.636	1.636	0	%100
31	M36	X	-2.542	-2.542	0	%100
32	M36	Z	1.468	1.468	0	%100
33	M37	X	-3.11	-3.11	0	%100
34	M37	Z	1.796	1.796	0	%100
35	M38	X	-10.884	-10.884	0	%100
36	M38	Z	6.284	6.284	0	%100
37	M39	X	-10.882	-10.882	0	%100
38	M39	Z	6.283	6.283	0	%100
39	M40	X	-11.12	-11.12	0	%100
40	M40	Z	6.42	6.42	0	%100
41	M41	X	-11.12	-11.12	0	%100
42	M41	Z	6.42	6.42	0	%100
43	M52	X	-8.503	-8.503	0	%100
44	M52	Z	4.909	4.909	0	%100
45	M53	X	-7.626	-7.626	0	%100
46	M53	Z	4.403	4.403	0	%100
47	M54	X	-9.331	-9.331	0	%100
48	M54	Z	5.387	5.387	0	%100
49	M55	X	-3.628	-3.628	0	%100
50	M55	Z	2.095	2.095	0	%100
51	M56	X	-3.628	-3.628	0	%100
52	M56	Z	2.095	2.095	0	%100
53	M57	X	-3.707	-3.707	0	%100
54	M57	Z	2.14	2.14	0	%100
55	M58	X	-3.707	-3.707	0	%100
56	M58	Z	2.14	2.14	0	%100
57	M60	X	-.583	-.583	0	%100
58	M60	Z	.337	.337	0	%100
59	M61	X	-.583	-.583	0	%100
60	M61	Z	.337	.337	0	%100
61	M62	X	-.583	-.583	0	%100
62	M62	Z	.337	.337	0	%100
63	M63	X	-.583	-.583	0	%100
64	M63	Z	.337	.337	0	%100
65	M69	X	-.818	-.818	0	%100
66	M69	Z	.472	.472	0	%100
67	M70	X	-.717	-.717	0	%100
68	M70	Z	.414	.414	0	%100
69	M71	X	-11.396	-11.396	0	%100
70	M71	Z	6.579	6.579	0	%100
71	M72	X	-.052	-.052	0	%100
72	M72	Z	.03	.03	0	%100
73	M73	X	-.818	-.818	0	%100
74	M73	Z	.472	.472	0	%100
75	M74	X	-.717	-.717	0	%100
76	M74	Z	.414	.414	0	%100
77	M75	X	-11.396	-11.396	0	%100
78	M75	Z	6.579	6.579	0	%100
79	M76	X	-.052	-.052	0	%100
80	M76	Z	.03	.03	0	%100
81	M77	X	-5.114	-5.114	0	%100
82	M77	Z	2.953	2.953	0	%100
83	M90	X	-1.705	-1.705	0	%100
84	M90	Z	.984	.984	0	%100
85	M103	X	-5.114	-5.114	0	%100
86	M103	Z	2.953	2.953	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
87	M116	X	-1.705	-1.705	0 %100
88	M116	Z	.984	.984	0 %100
89	MP3A	X	-6.819	-6.819	0 %100
90	MP3A	Z	3.937	3.937	0 %100
91	MP1A	X	-6.819	-6.819	0 %100
92	MP1A	Z	3.937	3.937	0 %100
93	M129	X	-6.315	-6.315	0 %100
94	M129	Z	3.646	3.646	0 %100
95	M132	X	-.453	-.453	0 %100
96	M132	Z	.262	.262	0 %100
97	M135	X	-6.315	-6.315	0 %100
98	M135	Z	3.646	3.646	0 %100
99	M138	X	-.453	-.453	0 %100
100	M138	Z	.262	.262	0 %100
101	M141	X	-.222	-.222	0 %100
102	M141	Z	.128	.128	0 %100
103	M142	X	-.222	-.222	0 %100
104	M142	Z	.128	.128	0 %100
105	M143	X	-.666	-.666	0 %100
106	M143	Z	.384	.384	0 %100
107	M144	X	-.666	-.666	0 %100
108	M144	Z	.384	.384	0 %100
109	M145	X	-.222	-.222	0 %100
110	M145	Z	.128	.128	0 %100
111	M146	X	-.222	-.222	0 %100
112	M146	Z	.128	.128	0 %100
113	M147	X	-.666	-.666	0 %100
114	M147	Z	.384	.384	0 %100
115	M148	X	-.666	-.666	0 %100
116	M148	Z	.384	.384	0 %100
117	OVP1	X	-5.576	-5.576	0 %100
118	OVP1	Z	3.219	3.219	0 %100
119	MP2D	X	-6.819	-6.819	0 %100
120	MP2D	Z	3.937	3.937	0 %100
121	MP1D	X	-6.819	-6.819	0 %100
122	MP1D	Z	3.937	3.937	0 %100
123	MP2C	X	-6.819	-6.819	0 %100
124	MP2C	Z	3.937	3.937	0 %100
125	MP1C	X	-6.819	-6.819	0 %100
126	MP1C	Z	3.937	3.937	0 %100
127	MP2B	X	-6.819	-6.819	0 %100
128	MP2B	Z	3.937	3.937	0 %100
129	MP1B	X	-6.819	-6.819	0 %100
130	MP1B	Z	3.937	3.937	0 %100
131	MP2A	X	-6.819	-6.819	0 %100
132	MP2A	Z	3.937	3.937	0 %100
133	MP4A	X	-6.819	-6.819	0 %100
134	MP4A	Z	3.937	3.937	0 %100
135	MP3D	X	-6.819	-6.819	0 %100
136	MP3D	Z	3.937	3.937	0 %100
137	MP3C	X	-6.819	-6.819	0 %100
138	MP3C	Z	3.937	3.937	0 %100
139	MP5C	X	-6.819	-6.819	0 %100
140	MP5C	Z	3.937	3.937	0 %100
141	MP3B	X	-6.819	-6.819	0 %100
142	MP3B	Z	3.937	3.937	0 %100
143	MP4B	X	-6.819	-6.819	0 %100
144	MP4B	Z	3.937	3.937	0 %100
145	MP4D	X	-6.819	-6.819	0 %100

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

	Member Label	Direction	Start Magnitude lb/ft....	End Magnitude lb/ft....	Start Location(ft.%)	End Location(ft.%)
146	MP4D	Z	3.937	3.937	0	%100
147	M156B	X	-.583	-.583	0	%100
148	M156B	Z	.337	.337	0	%100
149	M152	X	-.583	-.583	0	%100
150	M152	Z	.337	.337	0	%100
151	M153	X	-.583	-.583	0	%100
152	M153	Z	.337	.337	0	%100
153	M154A	X	-.583	-.583	0	%100
154	M154A	Z	.337	.337	0	%100
155	M155C	X	-.583	-.583	0	%100
156	M155C	Z	.337	.337	0	%100
157	M156C	X	-.583	-.583	0	%100
158	M156C	Z	.337	.337	0	%100
159	M127A	X	-.194	-.194	0	%100
160	M127A	Z	.112	.112	0	%100
161	M128	X	-.194	-.194	0	%100
162	M128	Z	.112	.112	0	%100
163	M129B	X	-.194	-.194	0	%100
164	M129B	Z	.112	.112	0	%100
165	M130B	X	-.194	-.194	0	%100
166	M130B	Z	.112	.112	0	%100
167	M131A	X	-.194	-.194	0	%100
168	M131A	Z	.112	.112	0	%100
169	M132A	X	-.194	-.194	0	%100
170	M132A	Z	.112	.112	0	%100
171	M133A	X	-.194	-.194	0	%100
172	M133A	Z	.112	.112	0	%100
173	M134A	X	-.194	-.194	0	%100
174	M134A	Z	.112	.112	0	%100
175	M135A	X	-.194	-.194	0	%100
176	M135A	Z	.112	.112	0	%100
177	M136A	X	-.194	-.194	0	%100
178	M136A	Z	.112	.112	0	%100
179	M137A	X	-.583	-.583	0	%100
180	M137A	Z	.337	.337	0	%100
181	M138B	X	-.583	-.583	0	%100
182	M138B	Z	.337	.337	0	%100
183	M139B	X	-.583	-.583	0	%100
184	M139B	Z	.337	.337	0	%100
185	M140A	X	-.583	-.583	0	%100
186	M140A	Z	.337	.337	0	%100
187	M141B	X	-.583	-.583	0	%100
188	M141B	Z	.337	.337	0	%100
189	M142B	X	-.583	-.583	0	%100
190	M142B	Z	.337	.337	0	%100
191	M143A	X	-.583	-.583	0	%100
192	M143A	Z	.337	.337	0	%100
193	M144A	X	-.583	-.583	0	%100
194	M144A	Z	.337	.337	0	%100
195	M145A	X	-.583	-.583	0	%100
196	M145A	Z	.337	.337	0	%100
197	M146A	X	-.583	-.583	0	%100
198	M146A	Z	.337	.337	0	%100
199	M147A	X	-.194	-.194	0	%100
200	M147A	Z	.112	.112	0	%100
201	M148A	X	-.194	-.194	0	%100
202	M148A	Z	.112	.112	0	%100
203	M149A	X	-.194	-.194	0	%100
204	M149A	Z	.112	.112	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
205	M150B	X	-.194	-.194	0	%100
206	M150B	Z	.112	.112	0	%100
207	M151	X	-.194	-.194	0	%100
208	M151	Z	.112	.112	0	%100
209	M152A	X	-.194	-.194	0	%100
210	M152A	Z	.112	.112	0	%100
211	M153B	X	-.194	-.194	0	%100
212	M153B	Z	.112	.112	0	%100
213	M154B	X	-.194	-.194	0	%100
214	M154B	Z	.112	.112	0	%100
215	M155D	X	-.194	-.194	0	%100
216	M155D	Z	.112	.112	0	%100
217	M156D	X	-.194	-.194	0	%100
218	M156D	Z	.112	.112	0	%100
219	M157C	X	-.583	-.583	0	%100
220	M157C	Z	.337	.337	0	%100
221	M158C	X	-.583	-.583	0	%100
222	M158C	Z	.337	.337	0	%100
223	M159A	X	-.583	-.583	0	%100
224	M159A	Z	.337	.337	0	%100
225	M160	X	-.583	-.583	0	%100
226	M160	Z	.337	.337	0	%100
227	M161	X	-.583	-.583	0	%100
228	M161	Z	.337	.337	0	%100
229	M162B	X	-.583	-.583	0	%100
230	M162B	Z	.337	.337	0	%100
231	M163A	X	-.583	-.583	0	%100
232	M163A	Z	.337	.337	0	%100
233	M164A	X	-.583	-.583	0	%100
234	M164A	Z	.337	.337	0	%100
235	M165	X	-.583	-.583	0	%100
236	M165	Z	.337	.337	0	%100
237	M166	X	-.583	-.583	0	%100
238	M166	Z	.337	.337	0	%100
239	MP4C	X	-6.819	-6.819	0	%100
240	MP4C	Z	3.937	3.937	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-16.756	-16.756	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-16.756	-16.756	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-17.121	-17.121	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-17.121	-17.121	0	%100
14	M7	Z	0	0	0	%100
15	M18	X	-13.091	-13.091	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-11.742	-11.742	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-14.366	-14.366	0	%100



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

	Member Label	Direction	Start Magnitude lb/ft...	End Magnitude lb/ft...	Start Location ft,%	End Location ft,%
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	0	0	0	%100
33	M37	X	0	0	0	%100
34	M37	Z	0	0	0	%100
35	M38	X	-16.757	-16.757	0	%100
36	M38	Z	0	0	0	%100
37	M39	X	-16.756	-16.756	0	%100
38	M39	Z	0	0	0	%100
39	M40	X	-17.121	-17.121	0	%100
40	M40	Z	0	0	0	%100
41	M41	X	-17.121	-17.121	0	%100
42	M41	Z	0	0	0	%100
43	M52	X	-13.091	-13.091	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	-11.742	-11.742	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	-14.366	-14.366	0	%100
48	M54	Z	0	0	0	%100
49	M55	X	0	0	0	%100
50	M55	Z	0	0	0	%100
51	M56	X	0	0	0	%100
52	M56	Z	0	0	0	%100
53	M57	X	0	0	0	%100
54	M57	Z	0	0	0	%100
55	M58	X	0	0	0	%100
56	M58	Z	0	0	0	%100
57	M60	X	-898	-898	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	-898	-898	0	%100
60	M61	Z	0	0	0	%100
61	M62	X	-898	-898	0	%100
62	M62	Z	0	0	0	%100
63	M63	X	-898	-898	0	%100
64	M63	Z	0	0	0	%100
65	M69	X	-7.052	-7.052	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	-444	-444	0	%100
68	M70	Z	0	0	0	%100
69	M71	X	-7.052	-7.052	0	%100
70	M71	Z	0	0	0	%100
71	M72	X	-444	-444	0	%100
72	M72	Z	0	0	0	%100
73	M73	X	-7.052	-7.052	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-444	-444	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-7.052	-7.052	0	%100
78	M75	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]	
79	M76	X	-444	-444	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	-7.874	-7.874	0	%100
82	M77	Z	0	0	0	%100
83	M90	X	0	0	0	%100
84	M90	Z	0	0	0	%100
85	M103	X	-7.874	-7.874	0	%100
86	M103	Z	0	0	0	%100
87	M116	X	0	0	0	%100
88	M116	Z	0	0	0	%100
89	MP3A	X	-7.874	-7.874	0	%100
90	MP3A	Z	0	0	0	%100
91	MP1A	X	-7.874	-7.874	0	%100
92	MP1A	Z	0	0	0	%100
93	M129	X	-3.908	-3.908	0	%100
94	M129	Z	0	0	0	%100
95	M132	X	-3.908	-3.908	0	%100
96	M132	Z	0	0	0	%100
97	M135	X	-3.908	-3.908	0	%100
98	M135	Z	0	0	0	%100
99	M138	X	-3.908	-3.908	0	%100
100	M138	Z	0	0	0	%100
101	M141	X	0	0	0	%100
102	M141	Z	0	0	0	%100
103	M142	X	0	0	0	%100
104	M142	Z	0	0	0	%100
105	M143	X	-1.025	-1.025	0	%100
106	M143	Z	0	0	0	%100
107	M144	X	-1.025	-1.025	0	%100
108	M144	Z	0	0	0	%100
109	M145	X	0	0	0	%100
110	M145	Z	0	0	0	%100
111	M146	X	0	0	0	%100
112	M146	Z	0	0	0	%100
113	M147	X	-1.025	-1.025	0	%100
114	M147	Z	0	0	0	%100
115	M148	X	-1.025	-1.025	0	%100
116	M148	Z	0	0	0	%100
117	OVP1	X	-6.439	-6.439	0	%100
118	OVP1	Z	0	0	0	%100
119	MP2D	X	-7.874	-7.874	0	%100
120	MP2D	Z	0	0	0	%100
121	MP1D	X	-7.874	-7.874	0	%100
122	MP1D	Z	0	0	0	%100
123	MP2C	X	-7.874	-7.874	0	%100
124	MP2C	Z	0	0	0	%100
125	MP1C	X	-7.874	-7.874	0	%100
126	MP1C	Z	0	0	0	%100
127	MP2B	X	-7.874	-7.874	0	%100
128	MP2B	Z	0	0	0	%100
129	MP1B	X	-7.874	-7.874	0	%100
130	MP1B	Z	0	0	0	%100
131	MP2A	X	-7.874	-7.874	0	%100
132	MP2A	Z	0	0	0	%100
133	MP4A	X	-7.874	-7.874	0	%100
134	MP4A	Z	0	0	0	%100
135	MP3D	X	-7.874	-7.874	0	%100
136	MP3D	Z	0	0	0	%100
137	MP3C	X	-7.874	-7.874	0	%100

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

	Member Label	Direction	Start Magnitude lb/ft....	End Magnitude lb/ft....	Start Location ft.%	End Location ft.%
138	MP3C	Z	0	0	0	%100
139	MP5C	X	-7.874	-7.874	0	%100
140	MP5C	Z	0	0	0	%100
141	MP3B	X	-7.874	-7.874	0	%100
142	MP3B	Z	0	0	0	%100
143	MP4B	X	-7.874	-7.874	0	%100
144	MP4B	Z	0	0	0	%100
145	MP4D	X	-7.874	-7.874	0	%100
146	MP4D	Z	0	0	0	%100
147	M156B	X	-898	-898	0	%100
148	M156B	Z	0	0	0	%100
149	M152	X	-898	-898	0	%100
150	M152	Z	0	0	0	%100
151	M153	X	-898	-898	0	%100
152	M153	Z	0	0	0	%100
153	M154A	X	-898	-898	0	%100
154	M154A	Z	0	0	0	%100
155	M155C	X	-898	-898	0	%100
156	M155C	Z	0	0	0	%100
157	M156C	X	-898	-898	0	%100
158	M156C	Z	0	0	0	%100
159	M127A	X	0	0	0	%100
160	M127A	Z	0	0	0	%100
161	M128	X	0	0	0	%100
162	M128	Z	0	0	0	%100
163	M129B	X	0	0	0	%100
164	M129B	Z	0	0	0	%100
165	M130B	X	0	0	0	%100
166	M130B	Z	0	0	0	%100
167	M131A	X	0	0	0	%100
168	M131A	Z	0	0	0	%100
169	M132A	X	0	0	0	%100
170	M132A	Z	0	0	0	%100
171	M133A	X	0	0	0	%100
172	M133A	Z	0	0	0	%100
173	M134A	X	0	0	0	%100
174	M134A	Z	0	0	0	%100
175	M135A	X	0	0	0	%100
176	M135A	Z	0	0	0	%100
177	M136A	X	0	0	0	%100
178	M136A	Z	0	0	0	%100
179	M137A	X	-898	-898	0	%100
180	M137A	Z	0	0	0	%100
181	M138B	X	-898	-898	0	%100
182	M138B	Z	0	0	0	%100
183	M139B	X	-898	-898	0	%100
184	M139B	Z	0	0	0	%100
185	M140A	X	-898	-898	0	%100
186	M140A	Z	0	0	0	%100
187	M141B	X	-898	-898	0	%100
188	M141B	Z	0	0	0	%100
189	M142B	X	-898	-898	0	%100
190	M142B	Z	0	0	0	%100
191	M143A	X	-898	-898	0	%100
192	M143A	Z	0	0	0	%100
193	M144A	X	-898	-898	0	%100
194	M144A	Z	0	0	0	%100
195	M145A	X	-898	-898	0	%100
196	M145A	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
197	M146A	X	-898	-898	0	%100
198	M146A	Z	0	0	0	%100
199	M147A	X	0	0	0	%100
200	M147A	Z	0	0	0	%100
201	M148A	X	0	0	0	%100
202	M148A	Z	0	0	0	%100
203	M149A	X	0	0	0	%100
204	M149A	Z	0	0	0	%100
205	M150B	X	0	0	0	%100
206	M150B	Z	0	0	0	%100
207	M151	X	0	0	0	%100
208	M151	Z	0	0	0	%100
209	M152A	X	0	0	0	%100
210	M152A	Z	0	0	0	%100
211	M153B	X	0	0	0	%100
212	M153B	Z	0	0	0	%100
213	M154B	X	0	0	0	%100
214	M154B	Z	0	0	0	%100
215	M155D	X	0	0	0	%100
216	M155D	Z	0	0	0	%100
217	M156D	X	0	0	0	%100
218	M156D	Z	0	0	0	%100
219	M157C	X	-898	-898	0	%100
220	M157C	Z	0	0	0	%100
221	M158C	X	-898	-898	0	%100
222	M158C	Z	0	0	0	%100
223	M159A	X	-898	-898	0	%100
224	M159A	Z	0	0	0	%100
225	M160	X	-898	-898	0	%100
226	M160	Z	0	0	0	%100
227	M161	X	-898	-898	0	%100
228	M161	Z	0	0	0	%100
229	M162B	X	-898	-898	0	%100
230	M162B	Z	0	0	0	%100
231	M163A	X	-898	-898	0	%100
232	M163A	Z	0	0	0	%100
233	M164A	X	-898	-898	0	%100
234	M164A	Z	0	0	0	%100
235	M165	X	-898	-898	0	%100
236	M165	Z	0	0	0	%100
237	M166	X	-898	-898	0	%100
238	M166	Z	0	0	0	%100
239	MP4C	X	-7.874	-7.874	0	%100
240	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-2.834	-2.834	0	%100
2	M1	Z	-1.636	-1.636	0	%100
3	M2	X	-2.542	-2.542	0	%100
4	M2	Z	-1.468	-1.468	0	%100
5	M3	X	-3.11	-3.11	0	%100
6	M3	Z	-1.796	-1.796	0	%100
7	M4	X	-10.884	-10.884	0	%100
8	M4	Z	-6.284	-6.284	0	%100
9	M5	X	-10.884	-10.884	0	%100
10	M5	Z	-6.284	-6.284	0	%100
11	M6	X	-11.12	-11.12	0	%100



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

	Member Label	Direction	Start Magnitude(lb/ft...	End Magnitude(lb/ft...	Start Location(ft.%)	End Location(ft.%)
12	M6	Z	-6.42	-6.42	0	%100
13	M7	X	-11.12	-11.12	0	%100
14	M7	Z	-6.42	-6.42	0	%100
15	M18	X	-8.503	-8.503	0	%100
16	M18	Z	-4.909	-4.909	0	%100
17	M19	X	-7.626	-7.626	0	%100
18	M19	Z	-4.403	-4.403	0	%100
19	M20	X	-9.331	-9.331	0	%100
20	M20	Z	-5.387	-5.387	0	%100
21	M21	X	-3.628	-3.628	0	%100
22	M21	Z	-2.095	-2.095	0	%100
23	M22	X	-3.626	-3.626	0	%100
24	M22	Z	-2.093	-2.093	0	%100
25	M23	X	-3.707	-3.707	0	%100
26	M23	Z	-2.14	-2.14	0	%100
27	M24	X	-3.707	-3.707	0	%100
28	M24	Z	-2.14	-2.14	0	%100
29	M35	X	-2.834	-2.834	0	%100
30	M35	Z	-1.636	-1.636	0	%100
31	M36	X	-2.542	-2.542	0	%100
32	M36	Z	-1.468	-1.468	0	%100
33	M37	X	-3.11	-3.11	0	%100
34	M37	Z	-1.796	-1.796	0	%100
35	M38	X	-10.884	-10.884	0	%100
36	M38	Z	-6.284	-6.284	0	%100
37	M39	X	-10.885	-10.885	0	%100
38	M39	Z	-6.285	-6.285	0	%100
39	M40	X	-11.12	-11.12	0	%100
40	M40	Z	-6.42	-6.42	0	%100
41	M41	X	-11.12	-11.12	0	%100
42	M41	Z	-6.42	-6.42	0	%100
43	M52	X	-8.503	-8.503	0	%100
44	M52	Z	-4.909	-4.909	0	%100
45	M53	X	-7.626	-7.626	0	%100
46	M53	Z	-4.403	-4.403	0	%100
47	M54	X	-9.331	-9.331	0	%100
48	M54	Z	-5.387	-5.387	0	%100
49	M55	X	-3.628	-3.628	0	%100
50	M55	Z	-2.095	-2.095	0	%100
51	M56	X	-3.628	-3.628	0	%100
52	M56	Z	-2.095	-2.095	0	%100
53	M57	X	-3.707	-3.707	0	%100
54	M57	Z	-2.14	-2.14	0	%100
55	M58	X	-3.707	-3.707	0	%100
56	M58	Z	-2.14	-2.14	0	%100
57	M60	X	-583	-583	0	%100
58	M60	Z	-337	-337	0	%100
59	M61	X	-583	-583	0	%100
60	M61	Z	-337	-337	0	%100
61	M62	X	-583	-583	0	%100
62	M62	Z	-337	-337	0	%100
63	M63	X	-583	-583	0	%100
64	M63	Z	-337	-337	0	%100
65	M69	X	-11.396	-11.396	0	%100
66	M69	Z	-6.579	-6.579	0	%100
67	M70	X	-.052	-.052	0	%100
68	M70	Z	-.03	-.03	0	%100
69	M71	X	-.818	-.818	0	%100
70	M71	Z	-.472	-.472	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
71	M72	X	-717	-717	0 %100
72	M72	Z	-414	-414	0 %100
73	M73	X	-11.396	-11.396	0 %100
74	M73	Z	-6.579	-6.579	0 %100
75	M74	X	-.051	-.051	0 %100
76	M74	Z	-.03	-.03	0 %100
77	M75	X	-.818	-.818	0 %100
78	M75	Z	-.472	-.472	0 %100
79	M76	X	-.717	-.717	0 %100
80	M76	Z	-.414	-.414	0 %100
81	M77	X	-5.114	-5.114	0 %100
82	M77	Z	-2.953	-2.953	0 %100
83	M90	X	-1.705	-1.705	0 %100
84	M90	Z	-.984	-.984	0 %100
85	M103	X	-5.114	-5.114	0 %100
86	M103	Z	-2.953	-2.953	0 %100
87	M116	X	-1.705	-1.705	0 %100
88	M116	Z	-.984	-.984	0 %100
89	MP3A	X	-6.819	-6.819	0 %100
90	MP3A	Z	-3.937	-3.937	0 %100
91	MP1A	X	-6.819	-6.819	0 %100
92	MP1A	Z	-3.937	-3.937	0 %100
93	M129	X	-.453	-.453	0 %100
94	M129	Z	-.262	-.262	0 %100
95	M132	X	-6.315	-6.315	0 %100
96	M132	Z	-3.646	-3.646	0 %100
97	M135	X	-.453	-.453	0 %100
98	M135	Z	-.262	-.262	0 %100
99	M138	X	-6.315	-6.315	0 %100
100	M138	Z	-3.646	-3.646	0 %100
101	M141	X	-.222	-.222	0 %100
102	M141	Z	-.128	-.128	0 %100
103	M142	X	-.222	-.222	0 %100
104	M142	Z	-.128	-.128	0 %100
105	M143	X	-.666	-.666	0 %100
106	M143	Z	-.384	-.384	0 %100
107	M144	X	-.666	-.666	0 %100
108	M144	Z	-.384	-.384	0 %100
109	M145	X	-.222	-.222	0 %100
110	M145	Z	-.128	-.128	0 %100
111	M146	X	-.222	-.222	0 %100
112	M146	Z	-.128	-.128	0 %100
113	M147	X	-.666	-.666	0 %100
114	M147	Z	-.384	-.384	0 %100
115	M148	X	-.666	-.666	0 %100
116	M148	Z	-.384	-.384	0 %100
117	OVP1	X	-5.576	-5.576	0 %100
118	OVP1	Z	-3.219	-3.219	0 %100
119	MP2D	X	-6.819	-6.819	0 %100
120	MP2D	Z	-3.937	-3.937	0 %100
121	MP1D	X	-6.819	-6.819	0 %100
122	MP1D	Z	-3.937	-3.937	0 %100
123	MP2C	X	-6.819	-6.819	0 %100
124	MP2C	Z	-3.937	-3.937	0 %100
125	MP1C	X	-6.819	-6.819	0 %100
126	MP1C	Z	-3.937	-3.937	0 %100
127	MP2B	X	-6.819	-6.819	0 %100
128	MP2B	Z	-3.937	-3.937	0 %100
129	MP1B	X	-6.819	-6.819	0 %100



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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
130	MP1B	Z	-3.937	-3.937	0 %100
131	MP2A	X	-6.819	-6.819	0 %100
132	MP2A	Z	-3.937	-3.937	0 %100
133	MP4A	X	-6.819	-6.819	0 %100
134	MP4A	Z	-3.937	-3.937	0 %100
135	MP3D	X	-6.819	-6.819	0 %100
136	MP3D	Z	-3.937	-3.937	0 %100
137	MP3C	X	-6.819	-6.819	0 %100
138	MP3C	Z	-3.937	-3.937	0 %100
139	MP5C	X	-6.819	-6.819	0 %100
140	MP5C	Z	-3.937	-3.937	0 %100
141	MP3B	X	-6.819	-6.819	0 %100
142	MP3B	Z	-3.937	-3.937	0 %100
143	MP4B	X	-6.819	-6.819	0 %100
144	MP4B	Z	-3.937	-3.937	0 %100
145	MP4D	X	-6.819	-6.819	0 %100
146	MP4D	Z	-3.937	-3.937	0 %100
147	M156B	X	-583	-583	0 %100
148	M156B	Z	-337	-337	0 %100
149	M152	X	-583	-583	0 %100
150	M152	Z	-337	-337	0 %100
151	M153	X	-583	-583	0 %100
152	M153	Z	-337	-337	0 %100
153	M154A	X	-583	-583	0 %100
154	M154A	Z	-337	-337	0 %100
155	M155C	X	-583	-583	0 %100
156	M155C	Z	-337	-337	0 %100
157	M156C	X	-583	-583	0 %100
158	M156C	Z	-337	-337	0 %100
159	M127A	X	-194	-194	0 %100
160	M127A	Z	-112	-112	0 %100
161	M128	X	-194	-194	0 %100
162	M128	Z	-112	-112	0 %100
163	M129B	X	-194	-194	0 %100
164	M129B	Z	-112	-112	0 %100
165	M130B	X	-194	-194	0 %100
166	M130B	Z	-112	-112	0 %100
167	M131A	X	-194	-194	0 %100
168	M131A	Z	-112	-112	0 %100
169	M132A	X	-194	-194	0 %100
170	M132A	Z	-112	-112	0 %100
171	M133A	X	-194	-194	0 %100
172	M133A	Z	-112	-112	0 %100
173	M134A	X	-194	-194	0 %100
174	M134A	Z	-112	-112	0 %100
175	M135A	X	-194	-194	0 %100
176	M135A	Z	-112	-112	0 %100
177	M136A	X	-194	-194	0 %100
178	M136A	Z	-112	-112	0 %100
179	M137A	X	-583	-583	0 %100
180	M137A	Z	-337	-337	0 %100
181	M138B	X	-583	-583	0 %100
182	M138B	Z	-337	-337	0 %100
183	M139B	X	-583	-583	0 %100
184	M139B	Z	-337	-337	0 %100
185	M140A	X	-583	-583	0 %100
186	M140A	Z	-337	-337	0 %100
187	M141B	X	-583	-583	0 %100
188	M141B	Z	-337	-337	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
189	M142B	X	-583	-583	0	%100
190	M142B	Z	-337	-337	0	%100
191	M143A	X	-583	-583	0	%100
192	M143A	Z	-337	-337	0	%100
193	M144A	X	-583	-583	0	%100
194	M144A	Z	-337	-337	0	%100
195	M145A	X	-583	-583	0	%100
196	M145A	Z	-337	-337	0	%100
197	M146A	X	-583	-583	0	%100
198	M146A	Z	-337	-337	0	%100
199	M147A	X	-194	-194	0	%100
200	M147A	Z	-112	-112	0	%100
201	M148A	X	-194	-194	0	%100
202	M148A	Z	-112	-112	0	%100
203	M149A	X	-194	-194	0	%100
204	M149A	Z	-112	-112	0	%100
205	M150B	X	-194	-194	0	%100
206	M150B	Z	-112	-112	0	%100
207	M151	X	-194	-194	0	%100
208	M151	Z	-112	-112	0	%100
209	M152A	X	-194	-194	0	%100
210	M152A	Z	-112	-112	0	%100
211	M153B	X	-194	-194	0	%100
212	M153B	Z	-112	-112	0	%100
213	M154B	X	-194	-194	0	%100
214	M154B	Z	-112	-112	0	%100
215	M155D	X	-194	-194	0	%100
216	M155D	Z	-112	-112	0	%100
217	M156D	X	-194	-194	0	%100
218	M156D	Z	-112	-112	0	%100
219	M157C	X	-583	-583	0	%100
220	M157C	Z	-337	-337	0	%100
221	M158C	X	-583	-583	0	%100
222	M158C	Z	-337	-337	0	%100
223	M159A	X	-583	-583	0	%100
224	M159A	Z	-337	-337	0	%100
225	M160	X	-583	-583	0	%100
226	M160	Z	-337	-337	0	%100
227	M161	X	-583	-583	0	%100
228	M161	Z	-337	-337	0	%100
229	M162B	X	-583	-583	0	%100
230	M162B	Z	-337	-337	0	%100
231	M163A	X	-583	-583	0	%100
232	M163A	Z	-337	-337	0	%100
233	M164A	X	-583	-583	0	%100
234	M164A	Z	-337	-337	0	%100
235	M165	X	-583	-583	0	%100
236	M165	Z	-337	-337	0	%100
237	M166	X	-583	-583	0	%100
238	M166	Z	-337	-337	0	%100
239	MP4C	X	-6.819	-6.819	0	%100
240	MP4C	Z	-3.937	-3.937	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-4.909	-4.909	0	%100
2	M1	Z	-8.503	-8.503	0	%100
3	M2	X	-4.403	-4.403	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
4	M2	Z	-7.626	-7.626	0	%100
5	M3	X	-5.387	-5.387	0	%100
6	M3	Z	-9.331	-9.331	0	%100
7	M4	X	-2.095	-2.095	0	%100
8	M4	Z	-3.628	-3.628	0	%100
9	M5	X	-2.095	-2.095	0	%100
10	M5	Z	-3.628	-3.628	0	%100
11	M6	X	-2.14	-2.14	0	%100
12	M6	Z	-3.707	-3.707	0	%100
13	M7	X	-2.14	-2.14	0	%100
14	M7	Z	-3.707	-3.707	0	%100
15	M18	X	-1.636	-1.636	0	%100
16	M18	Z	-2.834	-2.834	0	%100
17	M19	X	-1.468	-1.468	0	%100
18	M19	Z	-2.542	-2.542	0	%100
19	M20	X	-1.796	-1.796	0	%100
20	M20	Z	-3.11	-3.11	0	%100
21	M21	X	-6.284	-6.284	0	%100
22	M21	Z	-10.884	-10.884	0	%100
23	M22	X	-6.283	-6.283	0	%100
24	M22	Z	-10.882	-10.882	0	%100
25	M23	X	-6.42	-6.42	0	%100
26	M23	Z	-11.12	-11.12	0	%100
27	M24	X	-6.42	-6.42	0	%100
28	M24	Z	-11.12	-11.12	0	%100
29	M35	X	-4.909	-4.909	0	%100
30	M35	Z	-8.503	-8.503	0	%100
31	M36	X	-4.403	-4.403	0	%100
32	M36	Z	-7.626	-7.626	0	%100
33	M37	X	-5.387	-5.387	0	%100
34	M37	Z	-9.331	-9.331	0	%100
35	M38	X	-2.095	-2.095	0	%100
36	M38	Z	-3.628	-3.628	0	%100
37	M39	X	-2.096	-2.096	0	%100
38	M39	Z	-3.63	-3.63	0	%100
39	M40	X	-2.14	-2.14	0	%100
40	M40	Z	-3.707	-3.707	0	%100
41	M41	X	-2.14	-2.14	0	%100
42	M41	Z	-3.707	-3.707	0	%100
43	M52	X	-1.636	-1.636	0	%100
44	M52	Z	-2.834	-2.834	0	%100
45	M53	X	-1.468	-1.468	0	%100
46	M53	Z	-2.542	-2.542	0	%100
47	M54	X	-1.796	-1.796	0	%100
48	M54	Z	-3.11	-3.11	0	%100
49	M55	X	-6.284	-6.284	0	%100
50	M55	Z	-10.884	-10.884	0	%100
51	M56	X	-6.284	-6.284	0	%100
52	M56	Z	-10.884	-10.884	0	%100
53	M57	X	-6.42	-6.42	0	%100
54	M57	Z	-11.12	-11.12	0	%100
55	M58	X	-6.42	-6.42	0	%100
56	M58	Z	-11.12	-11.12	0	%100
57	M60	X	-.112	-.112	0	%100
58	M60	Z	-.194	-.194	0	%100
59	M61	X	-.112	-.112	0	%100
60	M61	Z	-.194	-.194	0	%100
61	M62	X	-.112	-.112	0	%100
62	M62	Z	-.194	-.194	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
63	M63	X	-112	-112	0	%100
64	M63	Z	-194	-194	0	%100
65	M69	X	-6.579	-6.579	0	%100
66	M69	Z	-11.396	-11.396	0	%100
67	M70	X	-.03	-.03	0	%100
68	M70	Z	-.051	-.051	0	%100
69	M71	X	-.472	-.472	0	%100
70	M71	Z	-.818	-.818	0	%100
71	M72	X	-.414	-.414	0	%100
72	M72	Z	-.717	-.717	0	%100
73	M73	X	-6.579	-6.579	0	%100
74	M73	Z	-11.396	-11.396	0	%100
75	M74	X	-.03	-.03	0	%100
76	M74	Z	-.052	-.052	0	%100
77	M75	X	-.472	-.472	0	%100
78	M75	Z	-.818	-.818	0	%100
79	M76	X	-.414	-.414	0	%100
80	M76	Z	-.717	-.717	0	%100
81	M77	X	-.984	-.984	0	%100
82	M77	Z	-1.705	-1.705	0	%100
83	M90	X	-2.953	-2.953	0	%100
84	M90	Z	-5.114	-5.114	0	%100
85	M103	X	-.984	-.984	0	%100
86	M103	Z	-1.705	-1.705	0	%100
87	M116	X	-2.953	-2.953	0	%100
88	M116	Z	-5.114	-5.114	0	%100
89	MP3A	X	-3.937	-3.937	0	%100
90	MP3A	Z	-6.819	-6.819	0	%100
91	MP1A	X	-3.937	-3.937	0	%100
92	MP1A	Z	-6.819	-6.819	0	%100
93	M129	X	-.262	-.262	0	%100
94	M129	Z	-.453	-.453	0	%100
95	M132	X	-3.646	-3.646	0	%100
96	M132	Z	-6.315	-6.315	0	%100
97	M135	X	-.262	-.262	0	%100
98	M135	Z	-.453	-.453	0	%100
99	M138	X	-3.646	-3.646	0	%100
100	M138	Z	-6.315	-6.315	0	%100
101	M141	X	-.384	-.384	0	%100
102	M141	Z	-.665	-.665	0	%100
103	M142	X	-.384	-.384	0	%100
104	M142	Z	-.665	-.665	0	%100
105	M143	X	-.128	-.128	0	%100
106	M143	Z	-.222	-.222	0	%100
107	M144	X	-.128	-.128	0	%100
108	M144	Z	-.222	-.222	0	%100
109	M145	X	-.384	-.384	0	%100
110	M145	Z	-.666	-.666	0	%100
111	M146	X	-.384	-.384	0	%100
112	M146	Z	-.666	-.666	0	%100
113	M147	X	-.128	-.128	0	%100
114	M147	Z	-.222	-.222	0	%100
115	M148	X	-.128	-.128	0	%100
116	M148	Z	-.222	-.222	0	%100
117	OVP1	X	-3.219	-3.219	0	%100
118	OVP1	Z	-5.576	-5.576	0	%100
119	MP2D	X	-3.937	-3.937	0	%100
120	MP2D	Z	-6.819	-6.819	0	%100
121	MP1D	X	-3.937	-3.937	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft,%]	End Location[ft,%]
122	MP1D	Z	-6.819	-6.819	0 %100
123	MP2C	X	-3.937	-3.937	0 %100
124	MP2C	Z	-6.819	-6.819	0 %100
125	MP1C	X	-3.937	-3.937	0 %100
126	MP1C	Z	-6.819	-6.819	0 %100
127	MP2B	X	-3.937	-3.937	0 %100
128	MP2B	Z	-6.819	-6.819	0 %100
129	MP1B	X	-3.937	-3.937	0 %100
130	MP1B	Z	-6.819	-6.819	0 %100
131	MP2A	X	-3.937	-3.937	0 %100
132	MP2A	Z	-6.819	-6.819	0 %100
133	MP4A	X	-3.937	-3.937	0 %100
134	MP4A	Z	-6.819	-6.819	0 %100
135	MP3D	X	-3.937	-3.937	0 %100
136	MP3D	Z	-6.819	-6.819	0 %100
137	MP3C	X	-3.937	-3.937	0 %100
138	MP3C	Z	-6.819	-6.819	0 %100
139	MP5C	X	-3.937	-3.937	0 %100
140	MP5C	Z	-6.819	-6.819	0 %100
141	MP3B	X	-3.937	-3.937	0 %100
142	MP3B	Z	-6.819	-6.819	0 %100
143	MP4B	X	-3.937	-3.937	0 %100
144	MP4B	Z	-6.819	-6.819	0 %100
145	MP4D	X	-3.937	-3.937	0 %100
146	MP4D	Z	-6.819	-6.819	0 %100
147	M156B	X	-112	-112	0 %100
148	M156B	Z	-194	-194	0 %100
149	M152	X	-112	-112	0 %100
150	M152	Z	-194	-194	0 %100
151	M153	X	-112	-112	0 %100
152	M153	Z	-194	-194	0 %100
153	M154A	X	-112	-112	0 %100
154	M154A	Z	-194	-194	0 %100
155	M155C	X	-112	-112	0 %100
156	M155C	Z	-194	-194	0 %100
157	M156C	X	-112	-112	0 %100
158	M156C	Z	-194	-194	0 %100
159	M127A	X	-337	-337	0 %100
160	M127A	Z	-583	-583	0 %100
161	M128	X	-337	-337	0 %100
162	M128	Z	-583	-583	0 %100
163	M129B	X	-337	-337	0 %100
164	M129B	Z	-583	-583	0 %100
165	M130B	X	-337	-337	0 %100
166	M130B	Z	-583	-583	0 %100
167	M131A	X	-337	-337	0 %100
168	M131A	Z	-583	-583	0 %100
169	M132A	X	-337	-337	0 %100
170	M132A	Z	-583	-583	0 %100
171	M133A	X	-337	-337	0 %100
172	M133A	Z	-583	-583	0 %100
173	M134A	X	-337	-337	0 %100
174	M134A	Z	-583	-583	0 %100
175	M135A	X	-337	-337	0 %100
176	M135A	Z	-583	-583	0 %100
177	M136A	X	-337	-337	0 %100
178	M136A	Z	-583	-583	0 %100
179	M137A	X	-112	-112	0 %100
180	M137A	Z	-194	-194	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
181	M138B	X	-.112	-.112	0	%100
182	M138B	Z	-.194	-.194	0	%100
183	M139B	X	-.112	-.112	0	%100
184	M139B	Z	-.194	-.194	0	%100
185	M140A	X	-.112	-.112	0	%100
186	M140A	Z	-.194	-.194	0	%100
187	M141B	X	-.112	-.112	0	%100
188	M141B	Z	-.194	-.194	0	%100
189	M142B	X	-.112	-.112	0	%100
190	M142B	Z	-.194	-.194	0	%100
191	M143A	X	-.112	-.112	0	%100
192	M143A	Z	-.194	-.194	0	%100
193	M144A	X	-.112	-.112	0	%100
194	M144A	Z	-.194	-.194	0	%100
195	M145A	X	-.112	-.112	0	%100
196	M145A	Z	-.194	-.194	0	%100
197	M146A	X	-.112	-.112	0	%100
198	M146A	Z	-.194	-.194	0	%100
199	M147A	X	-.337	-.337	0	%100
200	M147A	Z	-.583	-.583	0	%100
201	M148A	X	-.337	-.337	0	%100
202	M148A	Z	-.583	-.583	0	%100
203	M149A	X	-.337	-.337	0	%100
204	M149A	Z	-.583	-.583	0	%100
205	M150B	X	-.337	-.337	0	%100
206	M150B	Z	-.583	-.583	0	%100
207	M151	X	-.337	-.337	0	%100
208	M151	Z	-.583	-.583	0	%100
209	M152A	X	-.337	-.337	0	%100
210	M152A	Z	-.583	-.583	0	%100
211	M153B	X	-.337	-.337	0	%100
212	M153B	Z	-.583	-.583	0	%100
213	M154B	X	-.337	-.337	0	%100
214	M154B	Z	-.583	-.583	0	%100
215	M155D	X	-.337	-.337	0	%100
216	M155D	Z	-.583	-.583	0	%100
217	M156D	X	-.337	-.337	0	%100
218	M156D	Z	-.583	-.583	0	%100
219	M157C	X	-.112	-.112	0	%100
220	M157C	Z	-.194	-.194	0	%100
221	M158C	X	-.112	-.112	0	%100
222	M158C	Z	-.194	-.194	0	%100
223	M159A	X	-.112	-.112	0	%100
224	M159A	Z	-.194	-.194	0	%100
225	M160	X	-.112	-.112	0	%100
226	M160	Z	-.194	-.194	0	%100
227	M161	X	-.112	-.112	0	%100
228	M161	Z	-.194	-.194	0	%100
229	M162B	X	-.112	-.112	0	%100
230	M162B	Z	-.194	-.194	0	%100
231	M163A	X	-.112	-.112	0	%100
232	M163A	Z	-.194	-.194	0	%100
233	M164A	X	-.112	-.112	0	%100
234	M164A	Z	-.194	-.194	0	%100
235	M165	X	-.112	-.112	0	%100
236	M165	Z	-.194	-.194	0	%100
237	M166	X	-.112	-.112	0	%100
238	M166	Z	-.194	-.194	0	%100
239	MP4C	X	-3.937	-3.937	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
240 MP4C	Z	-6.819	-6.819	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1 M1	X	0	0	0	%100
2 M1	Z	-3.489	-3.489	0	%100
3 M2	X	0	0	0	%100
4 M2	Z	-2.839	-2.839	0	%100
5 M3	X	0	0	0	%100
6 M3	Z	-3.463	-3.463	0	%100
7 M4	X	0	0	0	%100
8 M4	Z	0	0	0	%100
9 M5	X	0	0	0	%100
10 M5	Z	0	0	0	%100
11 M6	X	0	0	0	%100
12 M6	Z	0	0	0	%100
13 M7	X	0	0	0	%100
14 M7	Z	0	0	0	%100
15 M18	X	0	0	0	%100
16 M18	Z	0	0	0	%100
17 M19	X	0	0	0	%100
18 M19	Z	0	0	0	%100
19 M20	X	0	0	0	%100
20 M20	Z	0	0	0	%100
21 M21	X	0	0	0	%100
22 M21	Z	-4.236	-4.236	0	%100
23 M22	X	0	0	0	%100
24 M22	Z	-4.236	-4.236	0	%100
25 M23	X	0	0	0	%100
26 M23	Z	-4.3	-4.3	0	%100
27 M24	X	0	0	0	%100
28 M24	Z	-4.3	-4.3	0	%100
29 M35	X	0	0	0	%100
30 M35	Z	-3.489	-3.489	0	%100
31 M36	X	0	0	0	%100
32 M36	Z	-2.839	-2.839	0	%100
33 M37	X	0	0	0	%100
34 M37	Z	-3.463	-3.463	0	%100
35 M38	X	0	0	0	%100
36 M38	Z	0	0	0	%100
37 M39	X	0	0	0	%100
38 M39	Z	0	0	0	%100
39 M40	X	0	0	0	%100
40 M40	Z	0	0	0	%100
41 M41	X	0	0	0	%100
42 M41	Z	0	0	0	%100
43 M52	X	0	0	0	%100
44 M52	Z	0	0	0	%100
45 M53	X	0	0	0	%100
46 M53	Z	0	0	0	%100
47 M54	X	0	0	0	%100
48 M54	Z	0	0	0	%100
49 M55	X	0	0	0	%100
50 M55	Z	-4.236	-4.236	0	%100
51 M56	X	0	0	0	%100
52 M56	Z	-4.236	-4.236	0	%100
53 M57	X	0	0	0	%100
54 M57	Z	-4.3	-4.3	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
55	M58	X	0	0	%100
56	M58	Z	-4.3	-4.3	%100
57	M60	X	0	0	%100
58	M60	Z	0	0	%100
59	M61	X	0	0	%100
60	M61	Z	0	0	%100
61	M62	X	0	0	%100
62	M62	Z	0	0	%100
63	M63	X	0	0	%100
64	M63	Z	0	0	%100
65	M69	X	0	0	%100
66	M69	Z	-1.679	-1.679	%100
67	M70	X	0	0	%100
68	M70	Z	-.527	-.527	%100
69	M71	X	0	0	%100
70	M71	Z	-1.679	-1.679	%100
71	M72	X	0	0	%100
72	M72	Z	-.527	-.527	%100
73	M73	X	0	0	%100
74	M73	Z	-1.679	-1.679	%100
75	M74	X	0	0	%100
76	M74	Z	-.528	-.528	%100
77	M75	X	0	0	%100
78	M75	Z	-1.679	-1.679	%100
79	M76	X	0	0	%100
80	M76	Z	-.527	-.527	%100
81	M77	X	0	0	%100
82	M77	Z	0	0	%100
83	M90	X	0	0	%100
84	M90	Z	-2.694	-2.694	%100
85	M103	X	0	0	%100
86	M103	Z	0	0	%100
87	M116	X	0	0	%100
88	M116	Z	-2.694	-2.694	%100
89	MP3A	X	0	0	%100
90	MP3A	Z	-2.694	-2.694	%100
91	MP1A	X	0	0	%100
92	MP1A	Z	-2.694	-2.694	%100
93	M129	X	0	0	%100
94	M129	Z	-1.114	-1.114	%100
95	M132	X	0	0	%100
96	M132	Z	-1.114	-1.114	%100
97	M135	X	0	0	%100
98	M135	Z	-1.114	-1.114	%100
99	M138	X	0	0	%100
100	M138	Z	-1.114	-1.114	%100
101	M141	X	0	0	%100
102	M141	Z	-1.093	-1.093	%100
103	M142	X	0	0	%100
104	M142	Z	-1.093	-1.093	%100
105	M143	X	0	0	%100
106	M143	Z	0	0	%100
107	M144	X	0	0	%100
108	M144	Z	0	0	%100
109	M145	X	0	0	%100
110	M145	Z	-1.093	-1.093	%100
111	M146	X	0	0	%100
112	M146	Z	-1.093	-1.093	%100
113	M147	X	0	0	%100



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

	Member Label	Direction	Start Magnitude/lb/ft....	End Magnitude/lb/ft....	Start Location(ft,%)	End Location(ft,%)
114	M147	Z	0	0	0	%100
115	M148	X	0	0	0	%100
116	M148	Z	0	0	0	%100
117	OVP1	X	0	0	0	%100
118	OVP1	Z	-2.214	-2.214	0	%100
119	MP2D	X	0	0	0	%100
120	MP2D	Z	-2.694	-2.694	0	%100
121	MP1D	X	0	0	0	%100
122	MP1D	Z	-2.694	-2.694	0	%100
123	MP2C	X	0	0	0	%100
124	MP2C	Z	-2.694	-2.694	0	%100
125	MP1C	X	0	0	0	%100
126	MP1C	Z	-2.694	-2.694	0	%100
127	MP2B	X	0	0	0	%100
128	MP2B	Z	-2.694	-2.694	0	%100
129	MP1B	X	0	0	0	%100
130	MP1B	Z	-2.694	-2.694	0	%100
131	MP2A	X	0	0	0	%100
132	MP2A	Z	-2.694	-2.694	0	%100
133	MP4A	X	0	0	0	%100
134	MP4A	Z	-2.694	-2.694	0	%100
135	MP3D	X	0	0	0	%100
136	MP3D	Z	-2.694	-2.694	0	%100
137	MP3C	X	0	0	0	%100
138	MP3C	Z	-2.694	-2.694	0	%100
139	MP5C	X	0	0	0	%100
140	MP5C	Z	-2.694	-2.694	0	%100
141	MP3B	X	0	0	0	%100
142	MP3B	Z	-2.694	-2.694	0	%100
143	MP4B	X	0	0	0	%100
144	MP4B	Z	-2.694	-2.694	0	%100
145	MP4D	X	0	0	0	%100
146	MP4D	Z	-2.694	-2.694	0	%100
147	M156B	X	0	0	0	%100
148	M156B	Z	0	0	0	%100
149	M152	X	0	0	0	%100
150	M152	Z	0	0	0	%100
151	M153	X	0	0	0	%100
152	M153	Z	0	0	0	%100
153	M154A	X	0	0	0	%100
154	M154A	Z	0	0	0	%100
155	M155C	X	0	0	0	%100
156	M155C	Z	0	0	0	%100
157	M156C	X	0	0	0	%100
158	M156C	Z	0	0	0	%100
159	M127A	X	0	0	0	%100
160	M127A	Z	-1.071	-1.071	0	%100
161	M128	X	0	0	0	%100
162	M128	Z	-1.071	-1.071	0	%100
163	M129B	X	0	0	0	%100
164	M129B	Z	-1.071	-1.071	0	%100
165	M130B	X	0	0	0	%100
166	M130B	Z	-1.071	-1.071	0	%100
167	M131A	X	0	0	0	%100
168	M131A	Z	-1.071	-1.071	0	%100
169	M132A	X	0	0	0	%100
170	M132A	Z	-1.071	-1.071	0	%100
171	M133A	X	0	0	0	%100
172	M133A	Z	-1.071	-1.071	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
173	M134A	X	0	0	0	%100
174	M134A	Z	-1.071	-1.071	0	%100
175	M135A	X	0	0	0	%100
176	M135A	Z	-1.071	-1.071	0	%100
177	M136A	X	0	0	0	%100
178	M136A	Z	-1.071	-1.071	0	%100
179	M137A	X	0	0	0	%100
180	M137A	Z	0	0	0	%100
181	M138B	X	0	0	0	%100
182	M138B	Z	0	0	0	%100
183	M139B	X	0	0	0	%100
184	M139B	Z	0	0	0	%100
185	M140A	X	0	0	0	%100
186	M140A	Z	0	0	0	%100
187	M141B	X	0	0	0	%100
188	M141B	Z	0	0	0	%100
189	M142B	X	0	0	0	%100
190	M142B	Z	0	0	0	%100
191	M143A	X	0	0	0	%100
192	M143A	Z	0	0	0	%100
193	M144A	X	0	0	0	%100
194	M144A	Z	0	0	0	%100
195	M145A	X	0	0	0	%100
196	M145A	Z	0	0	0	%100
197	M146A	X	0	0	0	%100
198	M146A	Z	0	0	0	%100
199	M147A	X	0	0	0	%100
200	M147A	Z	-1.071	-1.071	0	%100
201	M148A	X	0	0	0	%100
202	M148A	Z	-1.071	-1.071	0	%100
203	M149A	X	0	0	0	%100
204	M149A	Z	-1.071	-1.071	0	%100
205	M150B	X	0	0	0	%100
206	M150B	Z	-1.071	-1.071	0	%100
207	M151	X	0	0	0	%100
208	M151	Z	-1.071	-1.071	0	%100
209	M152A	X	0	0	0	%100
210	M152A	Z	-1.071	-1.071	0	%100
211	M153B	X	0	0	0	%100
212	M153B	Z	-1.071	-1.071	0	%100
213	M154B	X	0	0	0	%100
214	M154B	Z	-1.071	-1.071	0	%100
215	M155D	X	0	0	0	%100
216	M155D	Z	-1.071	-1.071	0	%100
217	M156D	X	0	0	0	%100
218	M156D	Z	-1.071	-1.071	0	%100
219	M157C	X	0	0	0	%100
220	M157C	Z	0	0	0	%100
221	M158C	X	0	0	0	%100
222	M158C	Z	0	0	0	%100
223	M159A	X	0	0	0	%100
224	M159A	Z	0	0	0	%100
225	M160	X	0	0	0	%100
226	M160	Z	0	0	0	%100
227	M161	X	0	0	0	%100
228	M161	Z	0	0	0	%100
229	M162B	X	0	0	0	%100
230	M162B	Z	0	0	0	%100
231	M163A	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
232	M163A	Z	0	0	0	%100
233	M164A	X	0	0	0	%100
234	M164A	Z	0	0	0	%100
235	M165	X	0	0	0	%100
236	M165	Z	0	0	0	%100
237	M166	X	0	0	0	%100
238	M166	Z	0	0	0	%100
239	MP4C	X	0	0	0	%100
240	MP4C	Z	-2.694	-2.694	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.308	1.308	0	%100
2	M1	Z	-2.266	-2.266	0	%100
3	M2	X	1.065	1.065	0	%100
4	M2	Z	-1.844	-1.844	0	%100
5	M3	X	1.299	1.299	0	%100
6	M3	Z	-2.249	-2.249	0	%100
7	M4	X	.53	.53	0	%100
8	M4	Z	-.917	-.917	0	%100
9	M5	X	.53	.53	0	%100
10	M5	Z	-.917	-.917	0	%100
11	M6	X	.537	.537	0	%100
12	M6	Z	-.931	-.931	0	%100
13	M7	X	.537	.537	0	%100
14	M7	Z	-.931	-.931	0	%100
15	M18	X	.436	.436	0	%100
16	M18	Z	-.755	-.755	0	%100
17	M19	X	.355	.355	0	%100
18	M19	Z	-.615	-.615	0	%100
19	M20	X	.433	.433	0	%100
20	M20	Z	-.75	-.75	0	%100
21	M21	X	1.589	1.589	0	%100
22	M21	Z	-2.752	-2.752	0	%100
23	M22	X	1.589	1.589	0	%100
24	M22	Z	-2.752	-2.752	0	%100
25	M23	X	1.612	1.612	0	%100
26	M23	Z	-2.793	-2.793	0	%100
27	M24	X	1.612	1.612	0	%100
28	M24	Z	-2.793	-2.793	0	%100
29	M35	X	1.308	1.308	0	%100
30	M35	Z	-2.266	-2.266	0	%100
31	M36	X	1.065	1.065	0	%100
32	M36	Z	-1.844	-1.844	0	%100
33	M37	X	1.299	1.299	0	%100
34	M37	Z	-2.249	-2.249	0	%100
35	M38	X	.53	.53	0	%100
36	M38	Z	-.917	-.917	0	%100
37	M39	X	.529	.529	0	%100
38	M39	Z	-.917	-.917	0	%100
39	M40	X	.537	.537	0	%100
40	M40	Z	-.931	-.931	0	%100
41	M41	X	.537	.537	0	%100
42	M41	Z	-.931	-.931	0	%100
43	M52	X	.436	.436	0	%100
44	M52	Z	-.755	-.755	0	%100
45	M53	X	.355	.355	0	%100
46	M53	Z	-.615	-.615	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
47	M54	X	.433	.433	0	%100
48	M54	Z	-.75	-.75	0	%100
49	M55	X	1.589	1.589	0	%100
50	M55	Z	-2.752	-2.752	0	%100
51	M56	X	1.589	1.589	0	%100
52	M56	Z	-2.752	-2.752	0	%100
53	M57	X	1.612	1.612	0	%100
54	M57	Z	-2.793	-2.793	0	%100
55	M58	X	1.612	1.612	0	%100
56	M58	Z	-2.793	-2.793	0	%100
57	M60	X	.134	.134	0	%100
58	M60	Z	-.232	-.232	0	%100
59	M61	X	.134	.134	0	%100
60	M61	Z	-.232	-.232	0	%100
61	M62	X	.134	.134	0	%100
62	M62	Z	-.232	-.232	0	%100
63	M63	X	.134	.134	0	%100
64	M63	Z	-.232	-.232	0	%100
65	M69	X	.112	.112	0	%100
66	M69	Z	-.195	-.195	0	%100
67	M70	X	.492	.492	0	%100
68	M70	Z	-.853	-.853	0	%100
69	M71	X	1.566	1.566	0	%100
70	M71	Z	-2.713	-2.713	0	%100
71	M72	X	.035	.035	0	%100
72	M72	Z	-.061	-.061	0	%100
73	M73	X	.112	.112	0	%100
74	M73	Z	-.195	-.195	0	%100
75	M74	X	.492	.492	0	%100
76	M74	Z	-.853	-.853	0	%100
77	M75	X	1.566	1.566	0	%100
78	M75	Z	-2.713	-2.713	0	%100
79	M76	X	.035	.035	0	%100
80	M76	Z	-.061	-.061	0	%100
81	M77	X	.337	.337	0	%100
82	M77	Z	-.583	-.583	0	%100
83	M90	X	1.01	1.01	0	%100
84	M90	Z	-1.75	-1.75	0	%100
85	M103	X	.337	.337	0	%100
86	M103	Z	-.583	-.583	0	%100
87	M116	X	1.01	1.01	0	%100
88	M116	Z	-1.75	-1.75	0	%100
89	MP3A	X	1.347	1.347	0	%100
90	MP3A	Z	-2.333	-2.333	0	%100
91	MP1A	X	1.347	1.347	0	%100
92	MP1A	Z	-2.333	-2.333	0	%100
93	M129	X	1.039	1.039	0	%100
94	M129	Z	-1.8	-1.8	0	%100
95	M132	X	.075	.075	0	%100
96	M132	Z	-.129	-.129	0	%100
97	M135	X	1.039	1.039	0	%100
98	M135	Z	-1.8	-1.8	0	%100
99	M138	X	.075	.075	0	%100
100	M138	Z	-.129	-.129	0	%100
101	M141	X	.41	.41	0	%100
102	M141	Z	-.71	-.71	0	%100
103	M142	X	.41	.41	0	%100
104	M142	Z	-.71	-.71	0	%100
105	M143	X	.137	.137	0	%100



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

	Member Label	Direction	Start Magnitude/lb/ft...	End Magnitude/lb/ft...	Start Location/ft, %]	End Location/ft, %]
106	M143	Z	-.237	-.237	0	%100
107	M144	X	.137	.137	0	%100
108	M144	Z	-.237	-.237	0	%100
109	M145	X	.41	.41	0	%100
110	M145	Z	-.71	-.71	0	%100
111	M146	X	.41	.41	0	%100
112	M146	Z	-.71	-.71	0	%100
113	M147	X	.137	.137	0	%100
114	M147	Z	-.237	-.237	0	%100
115	M148	X	.137	.137	0	%100
116	M148	Z	-.237	-.237	0	%100
117	OVP1	X	1.107	1.107	0	%100
118	OVP1	Z	-1.918	-1.918	0	%100
119	MP2D	X	1.347	1.347	0	%100
120	MP2D	Z	-2.333	-2.333	0	%100
121	MP1D	X	1.347	1.347	0	%100
122	MP1D	Z	-2.333	-2.333	0	%100
123	MP2C	X	1.347	1.347	0	%100
124	MP2C	Z	-2.333	-2.333	0	%100
125	MP1C	X	1.347	1.347	0	%100
126	MP1C	Z	-2.333	-2.333	0	%100
127	MP2B	X	1.347	1.347	0	%100
128	MP2B	Z	-2.333	-2.333	0	%100
129	MP1B	X	1.347	1.347	0	%100
130	MP1B	Z	-2.333	-2.333	0	%100
131	MP2A	X	1.347	1.347	0	%100
132	MP2A	Z	-2.333	-2.333	0	%100
133	MP4A	X	1.347	1.347	0	%100
134	MP4A	Z	-2.333	-2.333	0	%100
135	MP3D	X	1.347	1.347	0	%100
136	MP3D	Z	-2.333	-2.333	0	%100
137	MP3C	X	1.347	1.347	0	%100
138	MP3C	Z	-2.333	-2.333	0	%100
139	MP5C	X	1.347	1.347	0	%100
140	MP5C	Z	-2.333	-2.333	0	%100
141	MP3B	X	1.347	1.347	0	%100
142	MP3B	Z	-2.333	-2.333	0	%100
143	MP4B	X	1.347	1.347	0	%100
144	MP4B	Z	-2.333	-2.333	0	%100
145	MP4D	X	1.347	1.347	0	%100
146	MP4D	Z	-2.333	-2.333	0	%100
147	M156B	X	.134	.134	0	%100
148	M156B	Z	-.232	-.232	0	%100
149	M152	X	.134	.134	0	%100
150	M152	Z	-.232	-.232	0	%100
151	M153	X	.134	.134	0	%100
152	M153	Z	-.232	-.232	0	%100
153	M154A	X	.134	.134	0	%100
154	M154A	Z	-.232	-.232	0	%100
155	M155C	X	.134	.134	0	%100
156	M155C	Z	-.232	-.232	0	%100
157	M156C	X	.134	.134	0	%100
158	M156C	Z	-.232	-.232	0	%100
159	M127A	X	.402	.402	0	%100
160	M127A	Z	-.696	-.696	0	%100
161	M128	X	.402	.402	0	%100
162	M128	Z	-.696	-.696	0	%100
163	M129B	X	.402	.402	0	%100
164	M129B	Z	-.696	-.696	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
165	M130B	X	.402	.402	0	%100
166	M130B	Z	-.696	-.696	0	%100
167	M131A	X	.402	.402	0	%100
168	M131A	Z	-.696	-.696	0	%100
169	M132A	X	.402	.402	0	%100
170	M132A	Z	-.696	-.696	0	%100
171	M133A	X	.402	.402	0	%100
172	M133A	Z	-.696	-.696	0	%100
173	M134A	X	.402	.402	0	%100
174	M134A	Z	-.696	-.696	0	%100
175	M135A	X	.402	.402	0	%100
176	M135A	Z	-.696	-.696	0	%100
177	M136A	X	.402	.402	0	%100
178	M136A	Z	-.696	-.696	0	%100
179	M137A	X	.134	.134	0	%100
180	M137A	Z	-.232	-.232	0	%100
181	M138B	X	.134	.134	0	%100
182	M138B	Z	-.232	-.232	0	%100
183	M139B	X	.134	.134	0	%100
184	M139B	Z	-.232	-.232	0	%100
185	M140A	X	.134	.134	0	%100
186	M140A	Z	-.232	-.232	0	%100
187	M141B	X	.134	.134	0	%100
188	M141B	Z	-.232	-.232	0	%100
189	M142B	X	.134	.134	0	%100
190	M142B	Z	-.232	-.232	0	%100
191	M143A	X	.134	.134	0	%100
192	M143A	Z	-.232	-.232	0	%100
193	M144A	X	.134	.134	0	%100
194	M144A	Z	-.232	-.232	0	%100
195	M145A	X	.134	.134	0	%100
196	M145A	Z	-.232	-.232	0	%100
197	M146A	X	.134	.134	0	%100
198	M146A	Z	-.232	-.232	0	%100
199	M147A	X	.402	.402	0	%100
200	M147A	Z	-.696	-.696	0	%100
201	M148A	X	.402	.402	0	%100
202	M148A	Z	-.696	-.696	0	%100
203	M149A	X	.402	.402	0	%100
204	M149A	Z	-.696	-.696	0	%100
205	M150B	X	.402	.402	0	%100
206	M150B	Z	-.696	-.696	0	%100
207	M151	X	.402	.402	0	%100
208	M151	Z	-.696	-.696	0	%100
209	M152A	X	.402	.402	0	%100
210	M152A	Z	-.696	-.696	0	%100
211	M153B	X	.402	.402	0	%100
212	M153B	Z	-.696	-.696	0	%100
213	M154B	X	.402	.402	0	%100
214	M154B	Z	-.696	-.696	0	%100
215	M155D	X	.402	.402	0	%100
216	M155D	Z	-.696	-.696	0	%100
217	M156D	X	.402	.402	0	%100
218	M156D	Z	-.696	-.696	0	%100
219	M157C	X	.134	.134	0	%100
220	M157C	Z	-.232	-.232	0	%100
221	M158C	X	.134	.134	0	%100
222	M158C	Z	-.232	-.232	0	%100
223	M159A	X	.134	.134	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
224	M159A	Z	-.232	-.232	0	%100
225	M160	X	.134	.134	0	%100
226	M160	Z	-.232	-.232	0	%100
227	M161	X	.134	.134	0	%100
228	M161	Z	-.232	-.232	0	%100
229	M162B	X	.134	.134	0	%100
230	M162B	Z	-.232	-.232	0	%100
231	M163A	X	.134	.134	0	%100
232	M163A	Z	-.232	-.232	0	%100
233	M164A	X	.134	.134	0	%100
234	M164A	Z	-.232	-.232	0	%100
235	M165	X	.134	.134	0	%100
236	M165	Z	-.232	-.232	0	%100
237	M166	X	.134	.134	0	%100
238	M166	Z	-.232	-.232	0	%100
239	MP4C	X	1.347	1.347	0	%100
240	MP4C	Z	-2.333	-2.333	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.755	.755	0	%100
2	M1	Z	-436	-436	0	%100
3	M2	X	.615	.615	0	%100
4	M2	Z	-355	-355	0	%100
5	M3	X	.75	.75	0	%100
6	M3	Z	-433	-433	0	%100
7	M4	X	2.752	2.752	0	%100
8	M4	Z	-1.589	-1.589	0	%100
9	M5	X	2.752	2.752	0	%100
10	M5	Z	-1.589	-1.589	0	%100
11	M6	X	2.793	2.793	0	%100
12	M6	Z	-1.612	-1.612	0	%100
13	M7	X	2.793	2.793	0	%100
14	M7	Z	-1.612	-1.612	0	%100
15	M18	X	2.266	2.266	0	%100
16	M18	Z	-1.308	-1.308	0	%100
17	M19	X	1.844	1.844	0	%100
18	M19	Z	-1.065	-1.065	0	%100
19	M20	X	2.249	2.249	0	%100
20	M20	Z	-1.299	-1.299	0	%100
21	M21	X	.917	.917	0	%100
22	M21	Z	-.53	-.53	0	%100
23	M22	X	.918	.918	0	%100
24	M22	Z	-.53	-.53	0	%100
25	M23	X	.931	.931	0	%100
26	M23	Z	-.537	-.537	0	%100
27	M24	X	.931	.931	0	%100
28	M24	Z	-.537	-.537	0	%100
29	M35	X	.755	.755	0	%100
30	M35	Z	-436	-436	0	%100
31	M36	X	.615	.615	0	%100
32	M36	Z	-355	-355	0	%100
33	M37	X	.75	.75	0	%100
34	M37	Z	-433	-433	0	%100
35	M38	X	2.752	2.752	0	%100
36	M38	Z	-1.589	-1.589	0	%100
37	M39	X	2.751	2.751	0	%100
38	M39	Z	-1.588	-1.588	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
39	M40	X	2.793	2.793	0	%100
40	M40	Z	-1.612	-1.612	0	%100
41	M41	X	2.793	2.793	0	%100
42	M41	Z	-1.612	-1.612	0	%100
43	M52	X	2.266	2.266	0	%100
44	M52	Z	-1.308	-1.308	0	%100
45	M53	X	1.844	1.844	0	%100
46	M53	Z	-1.065	-1.065	0	%100
47	M54	X	2.249	2.249	0	%100
48	M54	Z	-1.299	-1.299	0	%100
49	M55	X	.917	.917	0	%100
50	M55	Z	-.53	-.53	0	%100
51	M56	X	.917	.917	0	%100
52	M56	Z	-.53	-.53	0	%100
53	M57	X	.931	.931	0	%100
54	M57	Z	-.537	-.537	0	%100
55	M58	X	.931	.931	0	%100
56	M58	Z	-.537	-.537	0	%100
57	M60	X	.696	.696	0	%100
58	M60	Z	-.402	-.402	0	%100
59	M61	X	.696	.696	0	%100
60	M61	Z	-.402	-.402	0	%100
61	M62	X	.696	.696	0	%100
62	M62	Z	-.402	-.402	0	%100
63	M63	X	.696	.696	0	%100
64	M63	Z	-.402	-.402	0	%100
65	M69	X	.195	.195	0	%100
66	M69	Z	-.112	-.112	0	%100
67	M70	X	.853	.853	0	%100
68	M70	Z	-.492	-.492	0	%100
69	M71	X	2.713	2.713	0	%100
70	M71	Z	-1.566	-1.566	0	%100
71	M72	X	.061	.061	0	%100
72	M72	Z	-.035	-.035	0	%100
73	M73	X	.195	.195	0	%100
74	M73	Z	-.112	-.112	0	%100
75	M74	X	.853	.853	0	%100
76	M74	Z	-.492	-.492	0	%100
77	M75	X	2.713	2.713	0	%100
78	M75	Z	-1.566	-1.566	0	%100
79	M76	X	.061	.061	0	%100
80	M76	Z	-.035	-.035	0	%100
81	M77	X	1.75	1.75	0	%100
82	M77	Z	-1.01	-1.01	0	%100
83	M90	X	.583	.583	0	%100
84	M90	Z	-.337	-.337	0	%100
85	M103	X	1.75	1.75	0	%100
86	M103	Z	-1.01	-1.01	0	%100
87	M116	X	.583	.583	0	%100
88	M116	Z	-.337	-.337	0	%100
89	MP3A	X	2.333	2.333	0	%100
90	MP3A	Z	-1.347	-1.347	0	%100
91	MP1A	X	2.333	2.333	0	%100
92	MP1A	Z	-1.347	-1.347	0	%100
93	M129	X	1.8	1.8	0	%100
94	M129	Z	-1.039	-1.039	0	%100
95	M132	X	.129	.129	0	%100
96	M132	Z	-.075	-.075	0	%100
97	M135	X	1.8	1.8	0	%100



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

	Member Label	Direction	Start Magnitude lb/ft....	End Magnitude lb/ft....	Start Location ft.%	End Location ft.%
98	M135	Z	-1.039	-1.039	0	%100
99	M138	X	.129	.129	0	%100
100	M138	Z	-.075	-.075	0	%100
101	M141	X	.237	.237	0	%100
102	M141	Z	-.137	-.137	0	%100
103	M142	X	.237	.237	0	%100
104	M142	Z	-.137	-.137	0	%100
105	M143	X	.71	.71	0	%100
106	M143	Z	-.41	-.41	0	%100
107	M144	X	.71	.71	0	%100
108	M144	Z	-.41	-.41	0	%100
109	M145	X	.237	.237	0	%100
110	M145	Z	-.137	-.137	0	%100
111	M146	X	.237	.237	0	%100
112	M146	Z	-.137	-.137	0	%100
113	M147	X	.71	.71	0	%100
114	M147	Z	-.41	-.41	0	%100
115	M148	X	.71	.71	0	%100
116	M148	Z	-.41	-.41	0	%100
117	OVP1	X	1.918	1.918	0	%100
118	OVP1	Z	-1.107	-1.107	0	%100
119	MP2D	X	2.333	2.333	0	%100
120	MP2D	Z	-1.347	-1.347	0	%100
121	MP1D	X	2.333	2.333	0	%100
122	MP1D	Z	-1.347	-1.347	0	%100
123	MP2C	X	2.333	2.333	0	%100
124	MP2C	Z	-1.347	-1.347	0	%100
125	MP1C	X	2.333	2.333	0	%100
126	MP1C	Z	-1.347	-1.347	0	%100
127	MP2B	X	2.333	2.333	0	%100
128	MP2B	Z	-1.347	-1.347	0	%100
129	MP1B	X	2.333	2.333	0	%100
130	MP1B	Z	-1.347	-1.347	0	%100
131	MP2A	X	2.333	2.333	0	%100
132	MP2A	Z	-1.347	-1.347	0	%100
133	MP4A	X	2.333	2.333	0	%100
134	MP4A	Z	-1.347	-1.347	0	%100
135	MP3D	X	2.333	2.333	0	%100
136	MP3D	Z	-1.347	-1.347	0	%100
137	MP3C	X	2.333	2.333	0	%100
138	MP3C	Z	-1.347	-1.347	0	%100
139	MP5C	X	2.333	2.333	0	%100
140	MP5C	Z	-1.347	-1.347	0	%100
141	MP3B	X	2.333	2.333	0	%100
142	MP3B	Z	-1.347	-1.347	0	%100
143	MP4B	X	2.333	2.333	0	%100
144	MP4B	Z	-1.347	-1.347	0	%100
145	MP4D	X	2.333	2.333	0	%100
146	MP4D	Z	-1.347	-1.347	0	%100
147	M156B	X	.696	.696	0	%100
148	M156B	Z	-.402	-.402	0	%100
149	M152	X	.696	.696	0	%100
150	M152	Z	-.402	-.402	0	%100
151	M153	X	.696	.696	0	%100
152	M153	Z	-.402	-.402	0	%100
153	M154A	X	.696	.696	0	%100
154	M154A	Z	-.402	-.402	0	%100
155	M155C	X	.696	.696	0	%100
156	M155C	Z	-.402	-.402	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
157	M156C	X	.696	.696	0	%100
158	M156C	Z	-.402	-.402	0	%100
159	M127A	X	.232	.232	0	%100
160	M127A	Z	-.134	-.134	0	%100
161	M128	X	.232	.232	0	%100
162	M128	Z	-.134	-.134	0	%100
163	M129B	X	.232	.232	0	%100
164	M129B	Z	-.134	-.134	0	%100
165	M130B	X	.232	.232	0	%100
166	M130B	Z	-.134	-.134	0	%100
167	M131A	X	.232	.232	0	%100
168	M131A	Z	-.134	-.134	0	%100
169	M132A	X	.232	.232	0	%100
170	M132A	Z	-.134	-.134	0	%100
171	M133A	X	.232	.232	0	%100
172	M133A	Z	-.134	-.134	0	%100
173	M134A	X	.232	.232	0	%100
174	M134A	Z	-.134	-.134	0	%100
175	M135A	X	.232	.232	0	%100
176	M135A	Z	-.134	-.134	0	%100
177	M136A	X	.232	.232	0	%100
178	M136A	Z	-.134	-.134	0	%100
179	M137A	X	.696	.696	0	%100
180	M137A	Z	-.402	-.402	0	%100
181	M138B	X	.696	.696	0	%100
182	M138B	Z	-.402	-.402	0	%100
183	M139B	X	.696	.696	0	%100
184	M139B	Z	-.402	-.402	0	%100
185	M140A	X	.696	.696	0	%100
186	M140A	Z	-.402	-.402	0	%100
187	M141B	X	.696	.696	0	%100
188	M141B	Z	-.402	-.402	0	%100
189	M142B	X	.696	.696	0	%100
190	M142B	Z	-.402	-.402	0	%100
191	M143A	X	.696	.696	0	%100
192	M143A	Z	-.402	-.402	0	%100
193	M144A	X	.696	.696	0	%100
194	M144A	Z	-.402	-.402	0	%100
195	M145A	X	.696	.696	0	%100
196	M145A	Z	-.402	-.402	0	%100
197	M146A	X	.696	.696	0	%100
198	M146A	Z	-.402	-.402	0	%100
199	M147A	X	.232	.232	0	%100
200	M147A	Z	-.134	-.134	0	%100
201	M148A	X	.232	.232	0	%100
202	M148A	Z	-.134	-.134	0	%100
203	M149A	X	.232	.232	0	%100
204	M149A	Z	-.134	-.134	0	%100
205	M150B	X	.232	.232	0	%100
206	M150B	Z	-.134	-.134	0	%100
207	M151	X	.232	.232	0	%100
208	M151	Z	-.134	-.134	0	%100
209	M152A	X	.232	.232	0	%100
210	M152A	Z	-.134	-.134	0	%100
211	M153B	X	.232	.232	0	%100
212	M153B	Z	-.134	-.134	0	%100
213	M154B	X	.232	.232	0	%100
214	M154B	Z	-.134	-.134	0	%100
215	M155D	X	.232	.232	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
216	M155D	Z	-.134	-.134	0	%100
217	M156D	X	.232	.232	0	%100
218	M156D	Z	-.134	-.134	0	%100
219	M157C	X	.696	.696	0	%100
220	M157C	Z	-.402	-.402	0	%100
221	M158C	X	.696	.696	0	%100
222	M158C	Z	-.402	-.402	0	%100
223	M159A	X	.696	.696	0	%100
224	M159A	Z	-.402	-.402	0	%100
225	M160	X	.696	.696	0	%100
226	M160	Z	-.402	-.402	0	%100
227	M161	X	.696	.696	0	%100
228	M161	Z	-.402	-.402	0	%100
229	M162B	X	.696	.696	0	%100
230	M162B	Z	-.402	-.402	0	%100
231	M163A	X	.696	.696	0	%100
232	M163A	Z	-.402	-.402	0	%100
233	M164A	X	.696	.696	0	%100
234	M164A	Z	-.402	-.402	0	%100
235	M165	X	.696	.696	0	%100
236	M165	Z	-.402	-.402	0	%100
237	M166	X	.696	.696	0	%100
238	M166	Z	-.402	-.402	0	%100
239	MP4C	X	2.333	2.333	0	%100
240	MP4C	Z	-1.347	-1.347	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	4.236	4.236	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	4.236	4.236	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	4.3	4.3	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	4.3	4.3	0	%100
14	M7	Z	0	0	0	%100
15	M18	X	3.489	3.489	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	2.839	2.839	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	3.463	3.463	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
31	M36	X	0	0	0	%100
32	M36	Z	0	0	0	%100
33	M37	X	0	0	0	%100
34	M37	Z	0	0	0	%100
35	M38	X	4.236	4.236	0	%100
36	M38	Z	0	0	0	%100
37	M39	X	4.236	4.236	0	%100
38	M39	Z	0	0	0	%100
39	M40	X	4.3	4.3	0	%100
40	M40	Z	0	0	0	%100
41	M41	X	4.3	4.3	0	%100
42	M41	Z	0	0	0	%100
43	M52	X	3.489	3.489	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	2.839	2.839	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	3.463	3.463	0	%100
48	M54	Z	0	0	0	%100
49	M55	X	0	0	0	%100
50	M55	Z	0	0	0	%100
51	M56	X	0	0	0	%100
52	M56	Z	0	0	0	%100
53	M57	X	0	0	0	%100
54	M57	Z	0	0	0	%100
55	M58	X	0	0	0	%100
56	M58	Z	0	0	0	%100
57	M60	X	1.071	1.071	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	1.071	1.071	0	%100
60	M61	Z	0	0	0	%100
61	M62	X	1.071	1.071	0	%100
62	M62	Z	0	0	0	%100
63	M63	X	1.071	1.071	0	%100
64	M63	Z	0	0	0	%100
65	M69	X	1.679	1.679	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	.528	.528	0	%100
68	M70	Z	0	0	0	%100
69	M71	X	1.679	1.679	0	%100
70	M71	Z	0	0	0	%100
71	M72	X	.528	.528	0	%100
72	M72	Z	0	0	0	%100
73	M73	X	1.679	1.679	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	.527	.527	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	1.679	1.679	0	%100
78	M75	Z	0	0	0	%100
79	M76	X	.528	.528	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	2.694	2.694	0	%100
82	M77	Z	0	0	0	%100
83	M90	X	0	0	0	%100
84	M90	Z	0	0	0	%100
85	M103	X	2.694	2.694	0	%100
86	M103	Z	0	0	0	%100
87	M116	X	0	0	0	%100
88	M116	Z	0	0	0	%100
89	MP3A	X	2.694	2.694	0	%100



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

Member Label	Direction	Start Magnitude lb/ft...	End Magnitude lb/ft...	Start Location ft.%	End Location ft.%
90	MP3A	Z	0	0	%100
91	MP1A	X	2.694	2.694	%100
92	MP1A	Z	0	0	%100
93	M129	X	1.114	1.114	%100
94	M129	Z	0	0	%100
95	M132	X	1.114	1.114	%100
96	M132	Z	0	0	%100
97	M135	X	1.114	1.114	%100
98	M135	Z	0	0	%100
99	M138	X	1.114	1.114	%100
100	M138	Z	0	0	%100
101	M141	X	0	0	%100
102	M141	Z	0	0	%100
103	M142	X	0	0	%100
104	M142	Z	0	0	%100
105	M143	X	1.093	1.093	%100
106	M143	Z	0	0	%100
107	M144	X	1.093	1.093	%100
108	M144	Z	0	0	%100
109	M145	X	0	0	%100
110	M145	Z	0	0	%100
111	M146	X	0	0	%100
112	M146	Z	0	0	%100
113	M147	X	1.093	1.093	%100
114	M147	Z	0	0	%100
115	M148	X	1.093	1.093	%100
116	M148	Z	0	0	%100
117	OVP1	X	2.214	2.214	%100
118	OVP1	Z	0	0	%100
119	MP2D	X	2.694	2.694	%100
120	MP2D	Z	0	0	%100
121	MP1D	X	2.694	2.694	%100
122	MP1D	Z	0	0	%100
123	MP2C	X	2.694	2.694	%100
124	MP2C	Z	0	0	%100
125	MP1C	X	2.694	2.694	%100
126	MP1C	Z	0	0	%100
127	MP2B	X	2.694	2.694	%100
128	MP2B	Z	0	0	%100
129	MP1B	X	2.694	2.694	%100
130	MP1B	Z	0	0	%100
131	MP2A	X	2.694	2.694	%100
132	MP2A	Z	0	0	%100
133	MP4A	X	2.694	2.694	%100
134	MP4A	Z	0	0	%100
135	MP3D	X	2.694	2.694	%100
136	MP3D	Z	0	0	%100
137	MP3C	X	2.694	2.694	%100
138	MP3C	Z	0	0	%100
139	MP5C	X	2.694	2.694	%100
140	MP5C	Z	0	0	%100
141	MP3B	X	2.694	2.694	%100
142	MP3B	Z	0	0	%100
143	MP4B	X	2.694	2.694	%100
144	MP4B	Z	0	0	%100
145	MP4D	X	2.694	2.694	%100
146	MP4D	Z	0	0	%100
147	M156B	X	1.071	1.071	%100
148	M156B	Z	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
149	M152	X	1.071	1.071	0	%100
150	M152	Z	0	0	0	%100
151	M153	X	1.071	1.071	0	%100
152	M153	Z	0	0	0	%100
153	M154A	X	1.071	1.071	0	%100
154	M154A	Z	0	0	0	%100
155	M155C	X	1.071	1.071	0	%100
156	M155C	Z	0	0	0	%100
157	M156C	X	1.071	1.071	0	%100
158	M156C	Z	0	0	0	%100
159	M127A	X	0	0	0	%100
160	M127A	Z	0	0	0	%100
161	M128	X	0	0	0	%100
162	M128	Z	0	0	0	%100
163	M129B	X	0	0	0	%100
164	M129B	Z	0	0	0	%100
165	M130B	X	0	0	0	%100
166	M130B	Z	0	0	0	%100
167	M131A	X	0	0	0	%100
168	M131A	Z	0	0	0	%100
169	M132A	X	0	0	0	%100
170	M132A	Z	0	0	0	%100
171	M133A	X	0	0	0	%100
172	M133A	Z	0	0	0	%100
173	M134A	X	0	0	0	%100
174	M134A	Z	0	0	0	%100
175	M135A	X	0	0	0	%100
176	M135A	Z	0	0	0	%100
177	M136A	X	0	0	0	%100
178	M136A	Z	0	0	0	%100
179	M137A	X	1.071	1.071	0	%100
180	M137A	Z	0	0	0	%100
181	M138B	X	1.071	1.071	0	%100
182	M138B	Z	0	0	0	%100
183	M139B	X	1.071	1.071	0	%100
184	M139B	Z	0	0	0	%100
185	M140A	X	1.071	1.071	0	%100
186	M140A	Z	0	0	0	%100
187	M141B	X	1.071	1.071	0	%100
188	M141B	Z	0	0	0	%100
189	M142B	X	1.071	1.071	0	%100
190	M142B	Z	0	0	0	%100
191	M143A	X	1.071	1.071	0	%100
192	M143A	Z	0	0	0	%100
193	M144A	X	1.071	1.071	0	%100
194	M144A	Z	0	0	0	%100
195	M145A	X	1.071	1.071	0	%100
196	M145A	Z	0	0	0	%100
197	M146A	X	1.071	1.071	0	%100
198	M146A	Z	0	0	0	%100
199	M147A	X	0	0	0	%100
200	M147A	Z	0	0	0	%100
201	M148A	X	0	0	0	%100
202	M148A	Z	0	0	0	%100
203	M149A	X	0	0	0	%100
204	M149A	Z	0	0	0	%100
205	M150B	X	0	0	0	%100
206	M150B	Z	0	0	0	%100
207	M151	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
208	M151	Z	0	0	0	%100
209	M152A	X	0	0	0	%100
210	M152A	Z	0	0	0	%100
211	M153B	X	0	0	0	%100
212	M153B	Z	0	0	0	%100
213	M154B	X	0	0	0	%100
214	M154B	Z	0	0	0	%100
215	M155D	X	0	0	0	%100
216	M155D	Z	0	0	0	%100
217	M156D	X	0	0	0	%100
218	M156D	Z	0	0	0	%100
219	M157C	X	1.071	1.071	0	%100
220	M157C	Z	0	0	0	%100
221	M158C	X	1.071	1.071	0	%100
222	M158C	Z	0	0	0	%100
223	M159A	X	1.071	1.071	0	%100
224	M159A	Z	0	0	0	%100
225	M160	X	1.071	1.071	0	%100
226	M160	Z	0	0	0	%100
227	M161	X	1.071	1.071	0	%100
228	M161	Z	0	0	0	%100
229	M162B	X	1.071	1.071	0	%100
230	M162B	Z	0	0	0	%100
231	M163A	X	1.071	1.071	0	%100
232	M163A	Z	0	0	0	%100
233	M164A	X	1.071	1.071	0	%100
234	M164A	Z	0	0	0	%100
235	M165	X	1.071	1.071	0	%100
236	M165	Z	0	0	0	%100
237	M166	X	1.071	1.071	0	%100
238	M166	Z	0	0	0	%100
239	MP4C	X	2.694	2.694	0	%100
240	MP4C	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....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.755	.755	0	%100
2	M1	Z	.436	.436	0	%100
3	M2	X	.615	.615	0	%100
4	M2	Z	.355	.355	0	%100
5	M3	X	.75	.75	0	%100
6	M3	Z	.433	.433	0	%100
7	M4	X	2.752	2.752	0	%100
8	M4	Z	1.589	1.589	0	%100
9	M5	X	2.752	2.752	0	%100
10	M5	Z	1.589	1.589	0	%100
11	M6	X	2.793	2.793	0	%100
12	M6	Z	1.612	1.612	0	%100
13	M7	X	2.793	2.793	0	%100
14	M7	Z	1.612	1.612	0	%100
15	M18	X	2.266	2.266	0	%100
16	M18	Z	1.308	1.308	0	%100
17	M19	X	1.844	1.844	0	%100
18	M19	Z	1.065	1.065	0	%100
19	M20	X	2.249	2.249	0	%100
20	M20	Z	1.299	1.299	0	%100
21	M21	X	.917	.917	0	%100
22	M21	Z	.53	.53	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
23	M22	X	.917	.917	0	%100
24	M22	Z	.529	.529	0	%100
25	M23	X	.931	.931	0	%100
26	M23	Z	.537	.537	0	%100
27	M24	X	.931	.931	0	%100
28	M24	Z	.537	.537	0	%100
29	M35	X	.755	.755	0	%100
30	M35	Z	.436	.436	0	%100
31	M36	X	.615	.615	0	%100
32	M36	Z	.355	.355	0	%100
33	M37	X	.75	.75	0	%100
34	M37	Z	.433	.433	0	%100
35	M38	X	2.752	2.752	0	%100
36	M38	Z	1.589	1.589	0	%100
37	M39	X	2.752	2.752	0	%100
38	M39	Z	1.589	1.589	0	%100
39	M40	X	2.793	2.793	0	%100
40	M40	Z	1.612	1.612	0	%100
41	M41	X	2.793	2.793	0	%100
42	M41	Z	1.612	1.612	0	%100
43	M52	X	2.266	2.266	0	%100
44	M52	Z	1.308	1.308	0	%100
45	M53	X	1.844	1.844	0	%100
46	M53	Z	1.065	1.065	0	%100
47	M54	X	2.249	2.249	0	%100
48	M54	Z	1.299	1.299	0	%100
49	M55	X	.917	.917	0	%100
50	M55	Z	.53	.53	0	%100
51	M56	X	.917	.917	0	%100
52	M56	Z	.53	.53	0	%100
53	M57	X	.931	.931	0	%100
54	M57	Z	.537	.537	0	%100
55	M58	X	.931	.931	0	%100
56	M58	Z	.537	.537	0	%100
57	M60	X	.696	.696	0	%100
58	M60	Z	.402	.402	0	%100
59	M61	X	.696	.696	0	%100
60	M61	Z	.402	.402	0	%100
61	M62	X	.696	.696	0	%100
62	M62	Z	.402	.402	0	%100
63	M63	X	.696	.696	0	%100
64	M63	Z	.402	.402	0	%100
65	M69	X	2.713	2.713	0	%100
66	M69	Z	1.566	1.566	0	%100
67	M70	X	.061	.061	0	%100
68	M70	Z	.035	.035	0	%100
69	M71	X	.195	.195	0	%100
70	M71	Z	.112	.112	0	%100
71	M72	X	.853	.853	0	%100
72	M72	Z	.492	.492	0	%100
73	M73	X	2.713	2.713	0	%100
74	M73	Z	1.566	1.566	0	%100
75	M74	X	.061	.061	0	%100
76	M74	Z	.035	.035	0	%100
77	M75	X	.195	.195	0	%100
78	M75	Z	.112	.112	0	%100
79	M76	X	.853	.853	0	%100
80	M76	Z	.492	.492	0	%100
81	M77	X	1.75	1.75	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft...]	Start Location[ft.%]	End Location[ft.%]
82	M77	Z	1.01	1.01	0	%100
83	M90	X	.583	.583	0	%100
84	M90	Z	.337	.337	0	%100
85	M103	X	1.75	1.75	0	%100
86	M103	Z	1.01	1.01	0	%100
87	M116	X	.583	.583	0	%100
88	M116	Z	.337	.337	0	%100
89	MP3A	X	2.333	2.333	0	%100
90	MP3A	Z	1.347	1.347	0	%100
91	MP1A	X	2.333	2.333	0	%100
92	MP1A	Z	1.347	1.347	0	%100
93	M129	X	.129	.129	0	%100
94	M129	Z	.075	.075	0	%100
95	M132	X	1.8	1.8	0	%100
96	M132	Z	1.039	1.039	0	%100
97	M135	X	.129	.129	0	%100
98	M135	Z	.075	.075	0	%100
99	M138	X	1.8	1.8	0	%100
100	M138	Z	1.039	1.039	0	%100
101	M141	X	.237	.237	0	%100
102	M141	Z	.137	.137	0	%100
103	M142	X	.237	.237	0	%100
104	M142	Z	.137	.137	0	%100
105	M143	X	.71	.71	0	%100
106	M143	Z	.41	.41	0	%100
107	M144	X	.71	.71	0	%100
108	M144	Z	.41	.41	0	%100
109	M145	X	.237	.237	0	%100
110	M145	Z	.137	.137	0	%100
111	M146	X	.237	.237	0	%100
112	M146	Z	.137	.137	0	%100
113	M147	X	.71	.71	0	%100
114	M147	Z	.41	.41	0	%100
115	M148	X	.71	.71	0	%100
116	M148	Z	.41	.41	0	%100
117	OVP1	X	1.918	1.918	0	%100
118	OVP1	Z	1.107	1.107	0	%100
119	MP2D	X	2.333	2.333	0	%100
120	MP2D	Z	1.347	1.347	0	%100
121	MP1D	X	2.333	2.333	0	%100
122	MP1D	Z	1.347	1.347	0	%100
123	MP2C	X	2.333	2.333	0	%100
124	MP2C	Z	1.347	1.347	0	%100
125	MP1C	X	2.333	2.333	0	%100
126	MP1C	Z	1.347	1.347	0	%100
127	MP2B	X	2.333	2.333	0	%100
128	MP2B	Z	1.347	1.347	0	%100
129	MP1B	X	2.333	2.333	0	%100
130	MP1B	Z	1.347	1.347	0	%100
131	MP2A	X	2.333	2.333	0	%100
132	MP2A	Z	1.347	1.347	0	%100
133	MP4A	X	2.333	2.333	0	%100
134	MP4A	Z	1.347	1.347	0	%100
135	MP3D	X	2.333	2.333	0	%100
136	MP3D	Z	1.347	1.347	0	%100
137	MP3C	X	2.333	2.333	0	%100
138	MP3C	Z	1.347	1.347	0	%100
139	MP5C	X	2.333	2.333	0	%100
140	MP5C	Z	1.347	1.347	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
141	MP3B	X	2.333	2.333	0 %100
142	MP3B	Z	1.347	1.347	0 %100
143	MP4B	X	2.333	2.333	0 %100
144	MP4B	Z	1.347	1.347	0 %100
145	MP4D	X	2.333	2.333	0 %100
146	MP4D	Z	1.347	1.347	0 %100
147	M156B	X	.696	.696	0 %100
148	M156B	Z	.402	.402	0 %100
149	M152	X	.696	.696	0 %100
150	M152	Z	.402	.402	0 %100
151	M153	X	.696	.696	0 %100
152	M153	Z	.402	.402	0 %100
153	M154A	X	.696	.696	0 %100
154	M154A	Z	.402	.402	0 %100
155	M155C	X	.696	.696	0 %100
156	M155C	Z	.402	.402	0 %100
157	M156C	X	.696	.696	0 %100
158	M156C	Z	.402	.402	0 %100
159	M127A	X	.232	.232	0 %100
160	M127A	Z	.134	.134	0 %100
161	M128	X	.232	.232	0 %100
162	M128	Z	.134	.134	0 %100
163	M129B	X	.232	.232	0 %100
164	M129B	Z	.134	.134	0 %100
165	M130B	X	.232	.232	0 %100
166	M130B	Z	.134	.134	0 %100
167	M131A	X	.232	.232	0 %100
168	M131A	Z	.134	.134	0 %100
169	M132A	X	.232	.232	0 %100
170	M132A	Z	.134	.134	0 %100
171	M133A	X	.232	.232	0 %100
172	M133A	Z	.134	.134	0 %100
173	M134A	X	.232	.232	0 %100
174	M134A	Z	.134	.134	0 %100
175	M135A	X	.232	.232	0 %100
176	M135A	Z	.134	.134	0 %100
177	M136A	X	.232	.232	0 %100
178	M136A	Z	.134	.134	0 %100
179	M137A	X	.696	.696	0 %100
180	M137A	Z	.402	.402	0 %100
181	M138B	X	.696	.696	0 %100
182	M138B	Z	.402	.402	0 %100
183	M139B	X	.696	.696	0 %100
184	M139B	Z	.402	.402	0 %100
185	M140A	X	.696	.696	0 %100
186	M140A	Z	.402	.402	0 %100
187	M141B	X	.696	.696	0 %100
188	M141B	Z	.402	.402	0 %100
189	M142B	X	.696	.696	0 %100
190	M142B	Z	.402	.402	0 %100
191	M143A	X	.696	.696	0 %100
192	M143A	Z	.402	.402	0 %100
193	M144A	X	.696	.696	0 %100
194	M144A	Z	.402	.402	0 %100
195	M145A	X	.696	.696	0 %100
196	M145A	Z	.402	.402	0 %100
197	M146A	X	.696	.696	0 %100
198	M146A	Z	.402	.402	0 %100
199	M147A	X	.232	.232	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
200	M147A	Z	.134	.134	0	%100
201	M148A	X	.232	.232	0	%100
202	M148A	Z	.134	.134	0	%100
203	M149A	X	.232	.232	0	%100
204	M149A	Z	.134	.134	0	%100
205	M150B	X	.232	.232	0	%100
206	M150B	Z	.134	.134	0	%100
207	M151	X	.232	.232	0	%100
208	M151	Z	.134	.134	0	%100
209	M152A	X	.232	.232	0	%100
210	M152A	Z	.134	.134	0	%100
211	M153B	X	.232	.232	0	%100
212	M153B	Z	.134	.134	0	%100
213	M154B	X	.232	.232	0	%100
214	M154B	Z	.134	.134	0	%100
215	M155D	X	.232	.232	0	%100
216	M155D	Z	.134	.134	0	%100
217	M156D	X	.232	.232	0	%100
218	M156D	Z	.134	.134	0	%100
219	M157C	X	.696	.696	0	%100
220	M157C	Z	.402	.402	0	%100
221	M158C	X	.696	.696	0	%100
222	M158C	Z	.402	.402	0	%100
223	M159A	X	.696	.696	0	%100
224	M159A	Z	.402	.402	0	%100
225	M160	X	.696	.696	0	%100
226	M160	Z	.402	.402	0	%100
227	M161	X	.696	.696	0	%100
228	M161	Z	.402	.402	0	%100
229	M162B	X	.696	.696	0	%100
230	M162B	Z	.402	.402	0	%100
231	M163A	X	.696	.696	0	%100
232	M163A	Z	.402	.402	0	%100
233	M164A	X	.696	.696	0	%100
234	M164A	Z	.402	.402	0	%100
235	M165	X	.696	.696	0	%100
236	M165	Z	.402	.402	0	%100
237	M166	X	.696	.696	0	%100
238	M166	Z	.402	.402	0	%100
239	MP4C	X	2.333	2.333	0	%100
240	MP4C	Z	1.347	1.347	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.308	1.308	0	%100
2	M1	Z	2.266	2.266	0	%100
3	M2	X	1.065	1.065	0	%100
4	M2	Z	1.844	1.844	0	%100
5	M3	X	1.299	1.299	0	%100
6	M3	Z	2.249	2.249	0	%100
7	M4	X	.53	.53	0	%100
8	M4	Z	.917	.917	0	%100
9	M5	X	.53	.53	0	%100
10	M5	Z	.917	.917	0	%100
11	M6	X	.537	.537	0	%100
12	M6	Z	.931	.931	0	%100
13	M7	X	.537	.537	0	%100
14	M7	Z	.931	.931	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
15	M18	X	.436	.436	0	%100
16	M18	Z	.755	.755	0	%100
17	M19	X	.355	.355	0	%100
18	M19	Z	.615	.615	0	%100
19	M20	X	.433	.433	0	%100
20	M20	Z	.75	.75	0	%100
21	M21	X	1.589	1.589	0	%100
22	M21	Z	2.752	2.752	0	%100
23	M22	X	1.588	1.588	0	%100
24	M22	Z	2.751	2.751	0	%100
25	M23	X	1.612	1.612	0	%100
26	M23	Z	2.793	2.793	0	%100
27	M24	X	1.612	1.612	0	%100
28	M24	Z	2.793	2.793	0	%100
29	M35	X	1.308	1.308	0	%100
30	M35	Z	2.266	2.266	0	%100
31	M36	X	1.065	1.065	0	%100
32	M36	Z	1.844	1.844	0	%100
33	M37	X	1.299	1.299	0	%100
34	M37	Z	2.249	2.249	0	%100
35	M38	X	.53	.53	0	%100
36	M38	Z	.917	.917	0	%100
37	M39	X	.53	.53	0	%100
38	M39	Z	.918	.918	0	%100
39	M40	X	.537	.537	0	%100
40	M40	Z	.931	.931	0	%100
41	M41	X	.537	.537	0	%100
42	M41	Z	.931	.931	0	%100
43	M52	X	.436	.436	0	%100
44	M52	Z	.755	.755	0	%100
45	M53	X	.355	.355	0	%100
46	M53	Z	.615	.615	0	%100
47	M54	X	.433	.433	0	%100
48	M54	Z	.75	.75	0	%100
49	M55	X	1.589	1.589	0	%100
50	M55	Z	2.752	2.752	0	%100
51	M56	X	1.589	1.589	0	%100
52	M56	Z	2.752	2.752	0	%100
53	M57	X	1.612	1.612	0	%100
54	M57	Z	2.793	2.793	0	%100
55	M58	X	1.612	1.612	0	%100
56	M58	Z	2.793	2.793	0	%100
57	M60	X	.134	.134	0	%100
58	M60	Z	.232	.232	0	%100
59	M61	X	.134	.134	0	%100
60	M61	Z	.232	.232	0	%100
61	M62	X	.134	.134	0	%100
62	M62	Z	.232	.232	0	%100
63	M63	X	.134	.134	0	%100
64	M63	Z	.232	.232	0	%100
65	M69	X	1.566	1.566	0	%100
66	M69	Z	2.713	2.713	0	%100
67	M70	X	.035	.035	0	%100
68	M70	Z	.061	.061	0	%100
69	M71	X	.112	.112	0	%100
70	M71	Z	.195	.195	0	%100
71	M72	X	.492	.492	0	%100
72	M72	Z	.853	.853	0	%100
73	M73	X	1.566	1.566	0	%100



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

	Member Label	Direction	Start Magnitude/lb/ft...	End Magnitude/lb/ft....	Start Location/ft.%]	End Location/ft.%]
74	M73	Z	2.713	2.713	0	%100
75	M74	X	.035	.035	0	%100
76	M74	Z	.061	.061	0	%100
77	M75	X	.112	.112	0	%100
78	M75	Z	.195	.195	0	%100
79	M76	X	.492	.492	0	%100
80	M76	Z	.853	.853	0	%100
81	M77	X	.337	.337	0	%100
82	M77	Z	.583	.583	0	%100
83	M90	X	1.01	1.01	0	%100
84	M90	Z	1.75	1.75	0	%100
85	M103	X	.337	.337	0	%100
86	M103	Z	.583	.583	0	%100
87	M116	X	1.01	1.01	0	%100
88	M116	Z	1.75	1.75	0	%100
89	MP3A	X	1.347	1.347	0	%100
90	MP3A	Z	2.333	2.333	0	%100
91	MP1A	X	1.347	1.347	0	%100
92	MP1A	Z	2.333	2.333	0	%100
93	M129	X	.075	.075	0	%100
94	M129	Z	.129	.129	0	%100
95	M132	X	1.039	1.039	0	%100
96	M132	Z	1.8	1.8	0	%100
97	M135	X	.075	.075	0	%100
98	M135	Z	.129	.129	0	%100
99	M138	X	1.039	1.039	0	%100
100	M138	Z	1.8	1.8	0	%100
101	M141	X	.41	.41	0	%100
102	M141	Z	.71	.71	0	%100
103	M142	X	.41	.41	0	%100
104	M142	Z	.71	.71	0	%100
105	M143	X	.137	.137	0	%100
106	M143	Z	.237	.237	0	%100
107	M144	X	.137	.137	0	%100
108	M144	Z	.237	.237	0	%100
109	M145	X	.41	.41	0	%100
110	M145	Z	.71	.71	0	%100
111	M146	X	.41	.41	0	%100
112	M146	Z	.71	.71	0	%100
113	M147	X	.137	.137	0	%100
114	M147	Z	.237	.237	0	%100
115	M148	X	.137	.137	0	%100
116	M148	Z	.237	.237	0	%100
117	OVP1	X	1.107	1.107	0	%100
118	OVP1	Z	1.918	1.918	0	%100
119	MP2D	X	1.347	1.347	0	%100
120	MP2D	Z	2.333	2.333	0	%100
121	MP1D	X	1.347	1.347	0	%100
122	MP1D	Z	2.333	2.333	0	%100
123	MP2C	X	1.347	1.347	0	%100
124	MP2C	Z	2.333	2.333	0	%100
125	MP1C	X	1.347	1.347	0	%100
126	MP1C	Z	2.333	2.333	0	%100
127	MP2B	X	1.347	1.347	0	%100
128	MP2B	Z	2.333	2.333	0	%100
129	MP1B	X	1.347	1.347	0	%100
130	MP1B	Z	2.333	2.333	0	%100
131	MP2A	X	1.347	1.347	0	%100
132	MP2A	Z	2.333	2.333	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
133	MP4A	X	1.347	1.347	0 %100
134	MP4A	Z	2.333	2.333	0 %100
135	MP3D	X	1.347	1.347	0 %100
136	MP3D	Z	2.333	2.333	0 %100
137	MP3C	X	1.347	1.347	0 %100
138	MP3C	Z	2.333	2.333	0 %100
139	MP5C	X	1.347	1.347	0 %100
140	MP5C	Z	2.333	2.333	0 %100
141	MP3B	X	1.347	1.347	0 %100
142	MP3B	Z	2.333	2.333	0 %100
143	MP4B	X	1.347	1.347	0 %100
144	MP4B	Z	2.333	2.333	0 %100
145	MP4D	X	1.347	1.347	0 %100
146	MP4D	Z	2.333	2.333	0 %100
147	M156B	X	.134	.134	0 %100
148	M156B	Z	.232	.232	0 %100
149	M152	X	.134	.134	0 %100
150	M152	Z	.232	.232	0 %100
151	M153	X	.134	.134	0 %100
152	M153	Z	.232	.232	0 %100
153	M154A	X	.134	.134	0 %100
154	M154A	Z	.232	.232	0 %100
155	M155C	X	.134	.134	0 %100
156	M155C	Z	.232	.232	0 %100
157	M156C	X	.134	.134	0 %100
158	M156C	Z	.232	.232	0 %100
159	M127A	X	.402	.402	0 %100
160	M127A	Z	.696	.696	0 %100
161	M128	X	.402	.402	0 %100
162	M128	Z	.696	.696	0 %100
163	M129B	X	.402	.402	0 %100
164	M129B	Z	.696	.696	0 %100
165	M130B	X	.402	.402	0 %100
166	M130B	Z	.696	.696	0 %100
167	M131A	X	.402	.402	0 %100
168	M131A	Z	.696	.696	0 %100
169	M132A	X	.402	.402	0 %100
170	M132A	Z	.696	.696	0 %100
171	M133A	X	.402	.402	0 %100
172	M133A	Z	.696	.696	0 %100
173	M134A	X	.402	.402	0 %100
174	M134A	Z	.696	.696	0 %100
175	M135A	X	.402	.402	0 %100
176	M135A	Z	.696	.696	0 %100
177	M136A	X	.402	.402	0 %100
178	M136A	Z	.696	.696	0 %100
179	M137A	X	.134	.134	0 %100
180	M137A	Z	.232	.232	0 %100
181	M138B	X	.134	.134	0 %100
182	M138B	Z	.232	.232	0 %100
183	M139B	X	.134	.134	0 %100
184	M139B	Z	.232	.232	0 %100
185	M140A	X	.134	.134	0 %100
186	M140A	Z	.232	.232	0 %100
187	M141B	X	.134	.134	0 %100
188	M141B	Z	.232	.232	0 %100
189	M142B	X	.134	.134	0 %100
190	M142B	Z	.232	.232	0 %100
191	M143A	X	.134	.134	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
192	M143A	Z	.232	.232	0	%100
193	M144A	X	.134	.134	0	%100
194	M144A	Z	.232	.232	0	%100
195	M145A	X	.134	.134	0	%100
196	M145A	Z	.232	.232	0	%100
197	M146A	X	.134	.134	0	%100
198	M146A	Z	.232	.232	0	%100
199	M147A	X	.402	.402	0	%100
200	M147A	Z	.696	.696	0	%100
201	M148A	X	.402	.402	0	%100
202	M148A	Z	.696	.696	0	%100
203	M149A	X	.402	.402	0	%100
204	M149A	Z	.696	.696	0	%100
205	M150B	X	.402	.402	0	%100
206	M150B	Z	.696	.696	0	%100
207	M151	X	.402	.402	0	%100
208	M151	Z	.696	.696	0	%100
209	M152A	X	.402	.402	0	%100
210	M152A	Z	.696	.696	0	%100
211	M153B	X	.402	.402	0	%100
212	M153B	Z	.696	.696	0	%100
213	M154B	X	.402	.402	0	%100
214	M154B	Z	.696	.696	0	%100
215	M155D	X	.402	.402	0	%100
216	M155D	Z	.696	.696	0	%100
217	M156D	X	.402	.402	0	%100
218	M156D	Z	.696	.696	0	%100
219	M157C	X	.134	.134	0	%100
220	M157C	Z	.232	.232	0	%100
221	M158C	X	.134	.134	0	%100
222	M158C	Z	.232	.232	0	%100
223	M159A	X	.134	.134	0	%100
224	M159A	Z	.232	.232	0	%100
225	M160	X	.134	.134	0	%100
226	M160	Z	.232	.232	0	%100
227	M161	X	.134	.134	0	%100
228	M161	Z	.232	.232	0	%100
229	M162B	X	.134	.134	0	%100
230	M162B	Z	.232	.232	0	%100
231	M163A	X	.134	.134	0	%100
232	M163A	Z	.232	.232	0	%100
233	M164A	X	.134	.134	0	%100
234	M164A	Z	.232	.232	0	%100
235	M165	X	.134	.134	0	%100
236	M165	Z	.232	.232	0	%100
237	M166	X	.134	.134	0	%100
238	M166	Z	.232	.232	0	%100
239	MP4C	X	1.347	1.347	0	%100
240	MP4C	Z	2.333	2.333	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	3.489	3.489	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	2.839	2.839	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	3.463	3.463	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	4.236	4.236	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	4.236	4.236	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	4.3	4.3	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	4.3	4.3	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	3.489	3.489	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	2.839	2.839	0	%100
33	M37	X	0	0	0	%100
34	M37	Z	3.463	3.463	0	%100
35	M38	X	0	0	0	%100
36	M38	Z	0	0	0	%100
37	M39	X	0	0	0	%100
38	M39	Z	0	0	0	%100
39	M40	X	0	0	0	%100
40	M40	Z	0	0	0	%100
41	M41	X	0	0	0	%100
42	M41	Z	0	0	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	0	0	0	%100
49	M55	X	0	0	0	%100
50	M55	Z	4.236	4.236	0	%100
51	M56	X	0	0	0	%100
52	M56	Z	4.236	4.236	0	%100
53	M57	X	0	0	0	%100
54	M57	Z	4.3	4.3	0	%100
55	M58	X	0	0	0	%100
56	M58	Z	4.3	4.3	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	0	0	0	%100
61	M62	X	0	0	0	%100
62	M62	Z	0	0	0	%100
63	M63	X	0	0	0	%100
64	M63	Z	0	0	0	%100
65	M69	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
66	M69	Z	1.679	1.679	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	.527	.527	0	%100
69	M71	X	0	0	0	%100
70	M71	Z	1.679	1.679	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	.527	.527	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	1.679	1.679	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	.528	.528	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	1.679	1.679	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	.527	.527	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	0	0	0	%100
83	M90	X	0	0	0	%100
84	M90	Z	2.694	2.694	0	%100
85	M103	X	0	0	0	%100
86	M103	Z	0	0	0	%100
87	M116	X	0	0	0	%100
88	M116	Z	2.694	2.694	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	2.694	2.694	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	2.694	2.694	0	%100
93	M129	X	0	0	0	%100
94	M129	Z	1.114	1.114	0	%100
95	M132	X	0	0	0	%100
96	M132	Z	1.114	1.114	0	%100
97	M135	X	0	0	0	%100
98	M135	Z	1.114	1.114	0	%100
99	M138	X	0	0	0	%100
100	M138	Z	1.114	1.114	0	%100
101	M141	X	0	0	0	%100
102	M141	Z	1.093	1.093	0	%100
103	M142	X	0	0	0	%100
104	M142	Z	1.093	1.093	0	%100
105	M143	X	0	0	0	%100
106	M143	Z	0	0	0	%100
107	M144	X	0	0	0	%100
108	M144	Z	0	0	0	%100
109	M145	X	0	0	0	%100
110	M145	Z	1.093	1.093	0	%100
111	M146	X	0	0	0	%100
112	M146	Z	1.093	1.093	0	%100
113	M147	X	0	0	0	%100
114	M147	Z	0	0	0	%100
115	M148	X	0	0	0	%100
116	M148	Z	0	0	0	%100
117	OVP1	X	0	0	0	%100
118	OVP1	Z	2.214	2.214	0	%100
119	MP2D	X	0	0	0	%100
120	MP2D	Z	2.694	2.694	0	%100
121	MP1D	X	0	0	0	%100
122	MP1D	Z	2.694	2.694	0	%100
123	MP2C	X	0	0	0	%100
124	MP2C	Z	2.694	2.694	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
125	MP1C	X	0	0	0	%100
126	MP1C	Z	2.694	2.694	0	%100
127	MP2B	X	0	0	0	%100
128	MP2B	Z	2.694	2.694	0	%100
129	MP1B	X	0	0	0	%100
130	MP1B	Z	2.694	2.694	0	%100
131	MP2A	X	0	0	0	%100
132	MP2A	Z	2.694	2.694	0	%100
133	MP4A	X	0	0	0	%100
134	MP4A	Z	2.694	2.694	0	%100
135	MP3D	X	0	0	0	%100
136	MP3D	Z	2.694	2.694	0	%100
137	MP3C	X	0	0	0	%100
138	MP3C	Z	2.694	2.694	0	%100
139	MP5C	X	0	0	0	%100
140	MP5C	Z	2.694	2.694	0	%100
141	MP3B	X	0	0	0	%100
142	MP3B	Z	2.694	2.694	0	%100
143	MP4B	X	0	0	0	%100
144	MP4B	Z	2.694	2.694	0	%100
145	MP4D	X	0	0	0	%100
146	MP4D	Z	2.694	2.694	0	%100
147	M156B	X	0	0	0	%100
148	M156B	Z	0	0	0	%100
149	M152	X	0	0	0	%100
150	M152	Z	0	0	0	%100
151	M153	X	0	0	0	%100
152	M153	Z	0	0	0	%100
153	M154A	X	0	0	0	%100
154	M154A	Z	0	0	0	%100
155	M155C	X	0	0	0	%100
156	M155C	Z	0	0	0	%100
157	M156C	X	0	0	0	%100
158	M156C	Z	0	0	0	%100
159	M127A	X	0	0	0	%100
160	M127A	Z	1.071	1.071	0	%100
161	M128	X	0	0	0	%100
162	M128	Z	1.071	1.071	0	%100
163	M129B	X	0	0	0	%100
164	M129B	Z	1.071	1.071	0	%100
165	M130B	X	0	0	0	%100
166	M130B	Z	1.071	1.071	0	%100
167	M131A	X	0	0	0	%100
168	M131A	Z	1.071	1.071	0	%100
169	M132A	X	0	0	0	%100
170	M132A	Z	1.071	1.071	0	%100
171	M133A	X	0	0	0	%100
172	M133A	Z	1.071	1.071	0	%100
173	M134A	X	0	0	0	%100
174	M134A	Z	1.071	1.071	0	%100
175	M135A	X	0	0	0	%100
176	M135A	Z	1.071	1.071	0	%100
177	M136A	X	0	0	0	%100
178	M136A	Z	1.071	1.071	0	%100
179	M137A	X	0	0	0	%100
180	M137A	Z	0	0	0	%100
181	M138B	X	0	0	0	%100
182	M138B	Z	0	0	0	%100
183	M139B	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude/lb/ft...	End Magnitude/lb/ft...	Start Locationft, %]	End Locationft, %]
184	M139B	Z	0	0	0	%100
185	M140A	X	0	0	0	%100
186	M140A	Z	0	0	0	%100
187	M141B	X	0	0	0	%100
188	M141B	Z	0	0	0	%100
189	M142B	X	0	0	0	%100
190	M142B	Z	0	0	0	%100
191	M143A	X	0	0	0	%100
192	M143A	Z	0	0	0	%100
193	M144A	X	0	0	0	%100
194	M144A	Z	0	0	0	%100
195	M145A	X	0	0	0	%100
196	M145A	Z	0	0	0	%100
197	M146A	X	0	0	0	%100
198	M146A	Z	0	0	0	%100
199	M147A	X	0	0	0	%100
200	M147A	Z	1.071	1.071	0	%100
201	M148A	X	0	0	0	%100
202	M148A	Z	1.071	1.071	0	%100
203	M149A	X	0	0	0	%100
204	M149A	Z	1.071	1.071	0	%100
205	M150B	X	0	0	0	%100
206	M150B	Z	1.071	1.071	0	%100
207	M151	X	0	0	0	%100
208	M151	Z	1.071	1.071	0	%100
209	M152A	X	0	0	0	%100
210	M152A	Z	1.071	1.071	0	%100
211	M153B	X	0	0	0	%100
212	M153B	Z	1.071	1.071	0	%100
213	M154B	X	0	0	0	%100
214	M154B	Z	1.071	1.071	0	%100
215	M155D	X	0	0	0	%100
216	M155D	Z	1.071	1.071	0	%100
217	M156D	X	0	0	0	%100
218	M156D	Z	1.071	1.071	0	%100
219	M157C	X	0	0	0	%100
220	M157C	Z	0	0	0	%100
221	M158C	X	0	0	0	%100
222	M158C	Z	0	0	0	%100
223	M159A	X	0	0	0	%100
224	M159A	Z	0	0	0	%100
225	M160	X	0	0	0	%100
226	M160	Z	0	0	0	%100
227	M161	X	0	0	0	%100
228	M161	Z	0	0	0	%100
229	M162B	X	0	0	0	%100
230	M162B	Z	0	0	0	%100
231	M163A	X	0	0	0	%100
232	M163A	Z	0	0	0	%100
233	M164A	X	0	0	0	%100
234	M164A	Z	0	0	0	%100
235	M165	X	0	0	0	%100
236	M165	Z	0	0	0	%100
237	M166	X	0	0	0	%100
238	M166	Z	0	0	0	%100
239	MP4C	X	0	0	0	%100
240	MP4C	Z	2.694	2.694	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-1.308	-1.308	0	%100
2	M1	Z	2.266	2.266	0	%100
3	M2	X	-1.065	-1.065	0	%100
4	M2	Z	1.844	1.844	0	%100
5	M3	X	-1.299	-1.299	0	%100
6	M3	Z	2.249	2.249	0	%100
7	M4	X	-.53	-.53	0	%100
8	M4	Z	.917	.917	0	%100
9	M5	X	-.53	-.53	0	%100
10	M5	Z	.917	.917	0	%100
11	M6	X	-.537	-.537	0	%100
12	M6	Z	.931	.931	0	%100
13	M7	X	-.537	-.537	0	%100
14	M7	Z	.931	.931	0	%100
15	M18	X	-.436	-.436	0	%100
16	M18	Z	.755	.755	0	%100
17	M19	X	-.355	-.355	0	%100
18	M19	Z	.615	.615	0	%100
19	M20	X	-.433	-.433	0	%100
20	M20	Z	.75	.75	0	%100
21	M21	X	-1.589	-1.589	0	%100
22	M21	Z	2.752	2.752	0	%100
23	M22	X	-1.589	-1.589	0	%100
24	M22	Z	2.752	2.752	0	%100
25	M23	X	-1.612	-1.612	0	%100
26	M23	Z	2.793	2.793	0	%100
27	M24	X	-1.612	-1.612	0	%100
28	M24	Z	2.793	2.793	0	%100
29	M35	X	-1.308	-1.308	0	%100
30	M35	Z	2.266	2.266	0	%100
31	M36	X	-1.065	-1.065	0	%100
32	M36	Z	1.844	1.844	0	%100
33	M37	X	-1.299	-1.299	0	%100
34	M37	Z	2.249	2.249	0	%100
35	M38	X	-.53	-.53	0	%100
36	M38	Z	.917	.917	0	%100
37	M39	X	-.529	-.529	0	%100
38	M39	Z	.917	.917	0	%100
39	M40	X	-.537	-.537	0	%100
40	M40	Z	.931	.931	0	%100
41	M41	X	-.537	-.537	0	%100
42	M41	Z	.931	.931	0	%100
43	M52	X	-.436	-.436	0	%100
44	M52	Z	.755	.755	0	%100
45	M53	X	-.355	-.355	0	%100
46	M53	Z	.615	.615	0	%100
47	M54	X	-.433	-.433	0	%100
48	M54	Z	.75	.75	0	%100
49	M55	X	-1.589	-1.589	0	%100
50	M55	Z	2.752	2.752	0	%100
51	M56	X	-1.589	-1.589	0	%100
52	M56	Z	2.752	2.752	0	%100
53	M57	X	-1.612	-1.612	0	%100
54	M57	Z	2.793	2.793	0	%100
55	M58	X	-1.612	-1.612	0	%100
56	M58	Z	2.793	2.793	0	%100
57	M60	X	-.134	-.134	0	%100
58	M60	Z	.232	.232	0	%100
59	M61	X	-.134	-.134	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft,%]	End Location[ft,%]
60	M61	Z	.232	.232	0	%100
61	M62	X	-.134	-.134	0	%100
62	M62	Z	.232	.232	0	%100
63	M63	X	-.134	-.134	0	%100
64	M63	Z	.232	.232	0	%100
65	M69	X	-.112	-.112	0	%100
66	M69	Z	.195	.195	0	%100
67	M70	X	-.492	-.492	0	%100
68	M70	Z	.853	.853	0	%100
69	M71	X	-1.566	-1.566	0	%100
70	M71	Z	2.713	2.713	0	%100
71	M72	X	-.035	-.035	0	%100
72	M72	Z	.061	.061	0	%100
73	M73	X	-.112	-.112	0	%100
74	M73	Z	.195	.195	0	%100
75	M74	X	-.492	-.492	0	%100
76	M74	Z	.853	.853	0	%100
77	M75	X	-1.566	-1.566	0	%100
78	M75	Z	2.713	2.713	0	%100
79	M76	X	-.035	-.035	0	%100
80	M76	Z	.061	.061	0	%100
81	M77	X	-.337	-.337	0	%100
82	M77	Z	.583	.583	0	%100
83	M90	X	-1.01	-1.01	0	%100
84	M90	Z	1.75	1.75	0	%100
85	M103	X	-.337	-.337	0	%100
86	M103	Z	.583	.583	0	%100
87	M116	X	-1.01	-1.01	0	%100
88	M116	Z	1.75	1.75	0	%100
89	MP3A	X	-1.347	-1.347	0	%100
90	MP3A	Z	2.333	2.333	0	%100
91	MP1A	X	-1.347	-1.347	0	%100
92	MP1A	Z	2.333	2.333	0	%100
93	M129	X	-1.039	-1.039	0	%100
94	M129	Z	1.8	1.8	0	%100
95	M132	X	-.075	-.075	0	%100
96	M132	Z	.129	.129	0	%100
97	M135	X	-1.039	-1.039	0	%100
98	M135	Z	1.8	1.8	0	%100
99	M138	X	-.075	-.075	0	%100
100	M138	Z	.129	.129	0	%100
101	M141	X	-.41	-.41	0	%100
102	M141	Z	.71	.71	0	%100
103	M142	X	-.41	-.41	0	%100
104	M142	Z	.71	.71	0	%100
105	M143	X	-.137	-.137	0	%100
106	M143	Z	.237	.237	0	%100
107	M144	X	-.137	-.137	0	%100
108	M144	Z	.237	.237	0	%100
109	M145	X	-.41	-.41	0	%100
110	M145	Z	.71	.71	0	%100
111	M146	X	-.41	-.41	0	%100
112	M146	Z	.71	.71	0	%100
113	M147	X	-.137	-.137	0	%100
114	M147	Z	.237	.237	0	%100
115	M148	X	-.137	-.137	0	%100
116	M148	Z	.237	.237	0	%100
117	OVP1	X	-1.107	-1.107	0	%100
118	OVP1	Z	1.918	1.918	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
119	MP2D	X	-1.347	-1.347	0	%100
120	MP2D	Z	2.333	2.333	0	%100
121	MP1D	X	-1.347	-1.347	0	%100
122	MP1D	Z	2.333	2.333	0	%100
123	MP2C	X	-1.347	-1.347	0	%100
124	MP2C	Z	2.333	2.333	0	%100
125	MP1C	X	-1.347	-1.347	0	%100
126	MP1C	Z	2.333	2.333	0	%100
127	MP2B	X	-1.347	-1.347	0	%100
128	MP2B	Z	2.333	2.333	0	%100
129	MP1B	X	-1.347	-1.347	0	%100
130	MP1B	Z	2.333	2.333	0	%100
131	MP2A	X	-1.347	-1.347	0	%100
132	MP2A	Z	2.333	2.333	0	%100
133	MP4A	X	-1.347	-1.347	0	%100
134	MP4A	Z	2.333	2.333	0	%100
135	MP3D	X	-1.347	-1.347	0	%100
136	MP3D	Z	2.333	2.333	0	%100
137	MP3C	X	-1.347	-1.347	0	%100
138	MP3C	Z	2.333	2.333	0	%100
139	MP5C	X	-1.347	-1.347	0	%100
140	MP5C	Z	2.333	2.333	0	%100
141	MP3B	X	-1.347	-1.347	0	%100
142	MP3B	Z	2.333	2.333	0	%100
143	MP4B	X	-1.347	-1.347	0	%100
144	MP4B	Z	2.333	2.333	0	%100
145	MP4D	X	-1.347	-1.347	0	%100
146	MP4D	Z	2.333	2.333	0	%100
147	M156B	X	-.134	-.134	0	%100
148	M156B	Z	.232	.232	0	%100
149	M152	X	-.134	-.134	0	%100
150	M152	Z	.232	.232	0	%100
151	M153	X	-.134	-.134	0	%100
152	M153	Z	.232	.232	0	%100
153	M154A	X	-.134	-.134	0	%100
154	M154A	Z	.232	.232	0	%100
155	M155C	X	-.134	-.134	0	%100
156	M155C	Z	.232	.232	0	%100
157	M156C	X	-.134	-.134	0	%100
158	M156C	Z	.232	.232	0	%100
159	M127A	X	-.402	-.402	0	%100
160	M127A	Z	.696	.696	0	%100
161	M128	X	-.402	-.402	0	%100
162	M128	Z	.696	.696	0	%100
163	M129B	X	-.402	-.402	0	%100
164	M129B	Z	.696	.696	0	%100
165	M130B	X	-.402	-.402	0	%100
166	M130B	Z	.696	.696	0	%100
167	M131A	X	-.402	-.402	0	%100
168	M131A	Z	.696	.696	0	%100
169	M132A	X	-.402	-.402	0	%100
170	M132A	Z	.696	.696	0	%100
171	M133A	X	-.402	-.402	0	%100
172	M133A	Z	.696	.696	0	%100
173	M134A	X	-.402	-.402	0	%100
174	M134A	Z	.696	.696	0	%100
175	M135A	X	-.402	-.402	0	%100
176	M135A	Z	.696	.696	0	%100
177	M136A	X	-.402	-.402	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
178	M136A	Z	.696	.696	0	%100
179	M137A	X	-.134	-.134	0	%100
180	M137A	Z	.232	.232	0	%100
181	M138B	X	-.134	-.134	0	%100
182	M138B	Z	.232	.232	0	%100
183	M139B	X	-.134	-.134	0	%100
184	M139B	Z	.232	.232	0	%100
185	M140A	X	-.134	-.134	0	%100
186	M140A	Z	.232	.232	0	%100
187	M141B	X	-.134	-.134	0	%100
188	M141B	Z	.232	.232	0	%100
189	M142B	X	-.134	-.134	0	%100
190	M142B	Z	.232	.232	0	%100
191	M143A	X	-.134	-.134	0	%100
192	M143A	Z	.232	.232	0	%100
193	M144A	X	-.134	-.134	0	%100
194	M144A	Z	.232	.232	0	%100
195	M145A	X	-.134	-.134	0	%100
196	M145A	Z	.232	.232	0	%100
197	M146A	X	-.134	-.134	0	%100
198	M146A	Z	.232	.232	0	%100
199	M147A	X	-.402	-.402	0	%100
200	M147A	Z	.696	.696	0	%100
201	M148A	X	-.402	-.402	0	%100
202	M148A	Z	.696	.696	0	%100
203	M149A	X	-.402	-.402	0	%100
204	M149A	Z	.696	.696	0	%100
205	M150B	X	-.402	-.402	0	%100
206	M150B	Z	.696	.696	0	%100
207	M151	X	-.402	-.402	0	%100
208	M151	Z	.696	.696	0	%100
209	M152A	X	-.402	-.402	0	%100
210	M152A	Z	.696	.696	0	%100
211	M153B	X	-.402	-.402	0	%100
212	M153B	Z	.696	.696	0	%100
213	M154B	X	-.402	-.402	0	%100
214	M154B	Z	.696	.696	0	%100
215	M155D	X	-.402	-.402	0	%100
216	M155D	Z	.696	.696	0	%100
217	M156D	X	-.402	-.402	0	%100
218	M156D	Z	.696	.696	0	%100
219	M157C	X	-.134	-.134	0	%100
220	M157C	Z	.232	.232	0	%100
221	M158C	X	-.134	-.134	0	%100
222	M158C	Z	.232	.232	0	%100
223	M159A	X	-.134	-.134	0	%100
224	M159A	Z	.232	.232	0	%100
225	M160	X	-.134	-.134	0	%100
226	M160	Z	.232	.232	0	%100
227	M161	X	-.134	-.134	0	%100
228	M161	Z	.232	.232	0	%100
229	M162B	X	-.134	-.134	0	%100
230	M162B	Z	.232	.232	0	%100
231	M163A	X	-.134	-.134	0	%100
232	M163A	Z	.232	.232	0	%100
233	M164A	X	-.134	-.134	0	%100
234	M164A	Z	.232	.232	0	%100
235	M165	X	-.134	-.134	0	%100
236	M165	Z	.232	.232	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
237	M166	X	-.134	-.134	0	%100
238	M166	Z	.232	.232	0	%100
239	MP4C	X	-1.347	-1.347	0	%100
240	MP4C	Z	2.333	2.333	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.755	-.755	0	%100
2	M1	Z	.436	.436	0	%100
3	M2	X	-.615	-.615	0	%100
4	M2	Z	.355	.355	0	%100
5	M3	X	-.75	-.75	0	%100
6	M3	Z	.433	.433	0	%100
7	M4	X	-2.752	-2.752	0	%100
8	M4	Z	1.589	1.589	0	%100
9	M5	X	-2.752	-2.752	0	%100
10	M5	Z	1.589	1.589	0	%100
11	M6	X	-2.793	-2.793	0	%100
12	M6	Z	1.612	1.612	0	%100
13	M7	X	-2.793	-2.793	0	%100
14	M7	Z	1.612	1.612	0	%100
15	M18	X	-2.266	-2.266	0	%100
16	M18	Z	1.308	1.308	0	%100
17	M19	X	-1.844	-1.844	0	%100
18	M19	Z	1.065	1.065	0	%100
19	M20	X	-2.249	-2.249	0	%100
20	M20	Z	1.299	1.299	0	%100
21	M21	X	-.917	-.917	0	%100
22	M21	Z	.53	.53	0	%100
23	M22	X	-.918	-.918	0	%100
24	M22	Z	.53	.53	0	%100
25	M23	X	-.931	-.931	0	%100
26	M23	Z	.537	.537	0	%100
27	M24	X	-.931	-.931	0	%100
28	M24	Z	.537	.537	0	%100
29	M35	X	-.755	-.755	0	%100
30	M35	Z	.436	.436	0	%100
31	M36	X	-.615	-.615	0	%100
32	M36	Z	.355	.355	0	%100
33	M37	X	-.75	-.75	0	%100
34	M37	Z	.433	.433	0	%100
35	M38	X	-2.752	-2.752	0	%100
36	M38	Z	1.589	1.589	0	%100
37	M39	X	-2.751	-2.751	0	%100
38	M39	Z	1.588	1.588	0	%100
39	M40	X	-2.793	-2.793	0	%100
40	M40	Z	1.612	1.612	0	%100
41	M41	X	-2.793	-2.793	0	%100
42	M41	Z	1.612	1.612	0	%100
43	M52	X	-2.266	-2.266	0	%100
44	M52	Z	1.308	1.308	0	%100
45	M53	X	-1.844	-1.844	0	%100
46	M53	Z	1.065	1.065	0	%100
47	M54	X	-2.249	-2.249	0	%100
48	M54	Z	1.299	1.299	0	%100
49	M55	X	-.917	-.917	0	%100
50	M55	Z	.53	.53	0	%100
51	M56	X	-.917	-.917	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
52	M56	Z	.53	.53	0	%100
53	M57	X	-.931	-.931	0	%100
54	M57	Z	.537	.537	0	%100
55	M58	X	-.931	-.931	0	%100
56	M58	Z	.537	.537	0	%100
57	M60	X	-.696	-.696	0	%100
58	M60	Z	.402	.402	0	%100
59	M61	X	-.696	-.696	0	%100
60	M61	Z	.402	.402	0	%100
61	M62	X	-.696	-.696	0	%100
62	M62	Z	.402	.402	0	%100
63	M63	X	-.696	-.696	0	%100
64	M63	Z	.402	.402	0	%100
65	M69	X	-.195	-.195	0	%100
66	M69	Z	.112	.112	0	%100
67	M70	X	-.853	-.853	0	%100
68	M70	Z	.492	.492	0	%100
69	M71	X	-2.713	-2.713	0	%100
70	M71	Z	1.566	1.566	0	%100
71	M72	X	-.061	-.061	0	%100
72	M72	Z	.035	.035	0	%100
73	M73	X	-.195	-.195	0	%100
74	M73	Z	.112	.112	0	%100
75	M74	X	-.853	-.853	0	%100
76	M74	Z	.492	.492	0	%100
77	M75	X	-2.713	-2.713	0	%100
78	M75	Z	1.566	1.566	0	%100
79	M76	X	-.061	-.061	0	%100
80	M76	Z	.035	.035	0	%100
81	M77	X	-1.75	-1.75	0	%100
82	M77	Z	1.01	1.01	0	%100
83	M90	X	-.583	-.583	0	%100
84	M90	Z	.337	.337	0	%100
85	M103	X	-1.75	-1.75	0	%100
86	M103	Z	1.01	1.01	0	%100
87	M116	X	-.583	-.583	0	%100
88	M116	Z	.337	.337	0	%100
89	MP3A	X	-2.333	-2.333	0	%100
90	MP3A	Z	1.347	1.347	0	%100
91	MP1A	X	-2.333	-2.333	0	%100
92	MP1A	Z	1.347	1.347	0	%100
93	M129	X	-1.8	-1.8	0	%100
94	M129	Z	1.039	1.039	0	%100
95	M132	X	-.129	-.129	0	%100
96	M132	Z	.075	.075	0	%100
97	M135	X	-1.8	-1.8	0	%100
98	M135	Z	1.039	1.039	0	%100
99	M138	X	-.129	-.129	0	%100
100	M138	Z	.075	.075	0	%100
101	M141	X	-.237	-.237	0	%100
102	M141	Z	.137	.137	0	%100
103	M142	X	-.237	-.237	0	%100
104	M142	Z	.137	.137	0	%100
105	M143	X	-.71	-.71	0	%100
106	M143	Z	.41	.41	0	%100
107	M144	X	-.71	-.71	0	%100
108	M144	Z	.41	.41	0	%100
109	M145	X	-.237	-.237	0	%100
110	M145	Z	.137	.137	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
111	M146	X	-.237	-.237	0	%100
112	M146	Z	.137	.137	0	%100
113	M147	X	-.71	-.71	0	%100
114	M147	Z	.41	.41	0	%100
115	M148	X	-.71	-.71	0	%100
116	M148	Z	.41	.41	0	%100
117	OVP1	X	-1.918	-1.918	0	%100
118	OVP1	Z	1.107	1.107	0	%100
119	MP2D	X	-2.333	-2.333	0	%100
120	MP2D	Z	1.347	1.347	0	%100
121	MP1D	X	-2.333	-2.333	0	%100
122	MP1D	Z	1.347	1.347	0	%100
123	MP2C	X	-2.333	-2.333	0	%100
124	MP2C	Z	1.347	1.347	0	%100
125	MP1C	X	-2.333	-2.333	0	%100
126	MP1C	Z	1.347	1.347	0	%100
127	MP2B	X	-2.333	-2.333	0	%100
128	MP2B	Z	1.347	1.347	0	%100
129	MP1B	X	-2.333	-2.333	0	%100
130	MP1B	Z	1.347	1.347	0	%100
131	MP2A	X	-2.333	-2.333	0	%100
132	MP2A	Z	1.347	1.347	0	%100
133	MP4A	X	-2.333	-2.333	0	%100
134	MP4A	Z	1.347	1.347	0	%100
135	MP3D	X	-2.333	-2.333	0	%100
136	MP3D	Z	1.347	1.347	0	%100
137	MP3C	X	-2.333	-2.333	0	%100
138	MP3C	Z	1.347	1.347	0	%100
139	MP5C	X	-2.333	-2.333	0	%100
140	MP5C	Z	1.347	1.347	0	%100
141	MP3B	X	-2.333	-2.333	0	%100
142	MP3B	Z	1.347	1.347	0	%100
143	MP4B	X	-2.333	-2.333	0	%100
144	MP4B	Z	1.347	1.347	0	%100
145	MP4D	X	-2.333	-2.333	0	%100
146	MP4D	Z	1.347	1.347	0	%100
147	M156B	X	-.696	-.696	0	%100
148	M156B	Z	.402	.402	0	%100
149	M152	X	-.696	-.696	0	%100
150	M152	Z	.402	.402	0	%100
151	M153	X	-.696	-.696	0	%100
152	M153	Z	.402	.402	0	%100
153	M154A	X	-.696	-.696	0	%100
154	M154A	Z	.402	.402	0	%100
155	M155C	X	-.696	-.696	0	%100
156	M155C	Z	.402	.402	0	%100
157	M156C	X	-.696	-.696	0	%100
158	M156C	Z	.402	.402	0	%100
159	M127A	X	-.232	-.232	0	%100
160	M127A	Z	.134	.134	0	%100
161	M128	X	-.232	-.232	0	%100
162	M128	Z	.134	.134	0	%100
163	M129B	X	-.232	-.232	0	%100
164	M129B	Z	.134	.134	0	%100
165	M130B	X	-.232	-.232	0	%100
166	M130B	Z	.134	.134	0	%100
167	M131A	X	-.232	-.232	0	%100
168	M131A	Z	.134	.134	0	%100
169	M132A	X	-.232	-.232	0	%100

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

	Member Label	Direction	Start Magnitude lb/ft...	End Magnitude lb/ft...	Start Locationft. %]	End Locationft. %]
170	M132A	Z	.134	.134	0	%100
171	M133A	X	-.232	-.232	0	%100
172	M133A	Z	.134	.134	0	%100
173	M134A	X	-.232	-.232	0	%100
174	M134A	Z	.134	.134	0	%100
175	M135A	X	-.232	-.232	0	%100
176	M135A	Z	.134	.134	0	%100
177	M136A	X	-.232	-.232	0	%100
178	M136A	Z	.134	.134	0	%100
179	M137A	X	-.696	-.696	0	%100
180	M137A	Z	.402	.402	0	%100
181	M138B	X	-.696	-.696	0	%100
182	M138B	Z	.402	.402	0	%100
183	M139B	X	-.696	-.696	0	%100
184	M139B	Z	.402	.402	0	%100
185	M140A	X	-.696	-.696	0	%100
186	M140A	Z	.402	.402	0	%100
187	M141B	X	-.696	-.696	0	%100
188	M141B	Z	.402	.402	0	%100
189	M142B	X	-.696	-.696	0	%100
190	M142B	Z	.402	.402	0	%100
191	M143A	X	-.696	-.696	0	%100
192	M143A	Z	.402	.402	0	%100
193	M144A	X	-.696	-.696	0	%100
194	M144A	Z	.402	.402	0	%100
195	M145A	X	-.696	-.696	0	%100
196	M145A	Z	.402	.402	0	%100
197	M146A	X	-.696	-.696	0	%100
198	M146A	Z	.402	.402	0	%100
199	M147A	X	-.232	-.232	0	%100
200	M147A	Z	.134	.134	0	%100
201	M148A	X	-.232	-.232	0	%100
202	M148A	Z	.134	.134	0	%100
203	M149A	X	-.232	-.232	0	%100
204	M149A	Z	.134	.134	0	%100
205	M150B	X	-.232	-.232	0	%100
206	M150B	Z	.134	.134	0	%100
207	M151	X	-.232	-.232	0	%100
208	M151	Z	.134	.134	0	%100
209	M152A	X	-.232	-.232	0	%100
210	M152A	Z	.134	.134	0	%100
211	M153B	X	-.232	-.232	0	%100
212	M153B	Z	.134	.134	0	%100
213	M154B	X	-.232	-.232	0	%100
214	M154B	Z	.134	.134	0	%100
215	M155D	X	-.232	-.232	0	%100
216	M155D	Z	.134	.134	0	%100
217	M156D	X	-.232	-.232	0	%100
218	M156D	Z	.134	.134	0	%100
219	M157C	X	-.696	-.696	0	%100
220	M157C	Z	.402	.402	0	%100
221	M158C	X	-.696	-.696	0	%100
222	M158C	Z	.402	.402	0	%100
223	M159A	X	-.696	-.696	0	%100
224	M159A	Z	.402	.402	0	%100
225	M160	X	-.696	-.696	0	%100
226	M160	Z	.402	.402	0	%100
227	M161	X	-.696	-.696	0	%100
228	M161	Z	.402	.402	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
229	M162B	X	-.696	-.696	0	%100
230	M162B	Z	.402	.402	0	%100
231	M163A	X	-.696	-.696	0	%100
232	M163A	Z	.402	.402	0	%100
233	M164A	X	-.696	-.696	0	%100
234	M164A	Z	.402	.402	0	%100
235	M165	X	-.696	-.696	0	%100
236	M165	Z	.402	.402	0	%100
237	M166	X	-.696	-.696	0	%100
238	M166	Z	.402	.402	0	%100
239	MP4C	X	-2.333	-2.333	0	%100
240	MP4C	Z	1.347	1.347	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-4.236	-4.236	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-4.236	-4.236	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-4.3	-4.3	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-4.3	-4.3	0	%100
14	M7	Z	0	0	0	%100
15	M18	X	-3.489	-3.489	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-2.839	-2.839	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-3.463	-3.463	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	0	0	0	%100
33	M37	X	0	0	0	%100
34	M37	Z	0	0	0	%100
35	M38	X	-4.236	-4.236	0	%100
36	M38	Z	0	0	0	%100
37	M39	X	-4.236	-4.236	0	%100
38	M39	Z	0	0	0	%100
39	M40	X	-4.3	-4.3	0	%100
40	M40	Z	0	0	0	%100
41	M41	X	-4.3	-4.3	0	%100
42	M41	Z	0	0	0	%100
43	M52	X	-3.489	-3.489	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft,%]	End Location[ft,%]	
44	M52	Z	0	0	0	%100
45	M53	X	-2.839	-2.839	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	-3.463	-3.463	0	%100
48	M54	Z	0	0	0	%100
49	M55	X	0	0	0	%100
50	M55	Z	0	0	0	%100
51	M56	X	0	0	0	%100
52	M56	Z	0	0	0	%100
53	M57	X	0	0	0	%100
54	M57	Z	0	0	0	%100
55	M58	X	0	0	0	%100
56	M58	Z	0	0	0	%100
57	M60	X	-1.071	-1.071	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	-1.071	-1.071	0	%100
60	M61	Z	0	0	0	%100
61	M62	X	-1.071	-1.071	0	%100
62	M62	Z	0	0	0	%100
63	M63	X	-1.071	-1.071	0	%100
64	M63	Z	0	0	0	%100
65	M69	X	-1.679	-1.679	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	-528	-528	0	%100
68	M70	Z	0	0	0	%100
69	M71	X	-1.679	-1.679	0	%100
70	M71	Z	0	0	0	%100
71	M72	X	-528	-528	0	%100
72	M72	Z	0	0	0	%100
73	M73	X	-1.679	-1.679	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-527	-527	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-1.679	-1.679	0	%100
78	M75	Z	0	0	0	%100
79	M76	X	-528	-528	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	-2.694	-2.694	0	%100
82	M77	Z	0	0	0	%100
83	M90	X	0	0	0	%100
84	M90	Z	0	0	0	%100
85	M103	X	-2.694	-2.694	0	%100
86	M103	Z	0	0	0	%100
87	M116	X	0	0	0	%100
88	M116	Z	0	0	0	%100
89	MP3A	X	-2.694	-2.694	0	%100
90	MP3A	Z	0	0	0	%100
91	MP1A	X	-2.694	-2.694	0	%100
92	MP1A	Z	0	0	0	%100
93	M129	X	-1.114	-1.114	0	%100
94	M129	Z	0	0	0	%100
95	M132	X	-1.114	-1.114	0	%100
96	M132	Z	0	0	0	%100
97	M135	X	-1.114	-1.114	0	%100
98	M135	Z	0	0	0	%100
99	M138	X	-1.114	-1.114	0	%100
100	M138	Z	0	0	0	%100
101	M141	X	0	0	0	%100
102	M141	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
162	M128	Z	0	0	0	%100
163	M129B	X	0	0	0	%100
164	M129B	Z	0	0	0	%100
165	M130B	X	0	0	0	%100
166	M130B	Z	0	0	0	%100
167	M131A	X	0	0	0	%100
168	M131A	Z	0	0	0	%100
169	M132A	X	0	0	0	%100
170	M132A	Z	0	0	0	%100
171	M133A	X	0	0	0	%100
172	M133A	Z	0	0	0	%100
173	M134A	X	0	0	0	%100
174	M134A	Z	0	0	0	%100
175	M135A	X	0	0	0	%100
176	M135A	Z	0	0	0	%100
177	M136A	X	0	0	0	%100
178	M136A	Z	0	0	0	%100
179	M137A	X	-1.071	-1.071	0	%100
180	M137A	Z	0	0	0	%100
181	M138B	X	-1.071	-1.071	0	%100
182	M138B	Z	0	0	0	%100
183	M139B	X	-1.071	-1.071	0	%100
184	M139B	Z	0	0	0	%100
185	M140A	X	-1.071	-1.071	0	%100
186	M140A	Z	0	0	0	%100
187	M141B	X	-1.071	-1.071	0	%100
188	M141B	Z	0	0	0	%100
189	M142B	X	-1.071	-1.071	0	%100
190	M142B	Z	0	0	0	%100
191	M143A	X	-1.071	-1.071	0	%100
192	M143A	Z	0	0	0	%100
193	M144A	X	-1.071	-1.071	0	%100
194	M144A	Z	0	0	0	%100
195	M145A	X	-1.071	-1.071	0	%100
196	M145A	Z	0	0	0	%100
197	M146A	X	-1.071	-1.071	0	%100
198	M146A	Z	0	0	0	%100
199	M147A	X	0	0	0	%100
200	M147A	Z	0	0	0	%100
201	M148A	X	0	0	0	%100
202	M148A	Z	0	0	0	%100
203	M149A	X	0	0	0	%100
204	M149A	Z	0	0	0	%100
205	M150B	X	0	0	0	%100
206	M150B	Z	0	0	0	%100
207	M151	X	0	0	0	%100
208	M151	Z	0	0	0	%100
209	M152A	X	0	0	0	%100
210	M152A	Z	0	0	0	%100
211	M153B	X	0	0	0	%100
212	M153B	Z	0	0	0	%100
213	M154B	X	0	0	0	%100
214	M154B	Z	0	0	0	%100
215	M155D	X	0	0	0	%100
216	M155D	Z	0	0	0	%100
217	M156D	X	0	0	0	%100
218	M156D	Z	0	0	0	%100
219	M157C	X	-1.071	-1.071	0	%100
220	M157C	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
221	M158C	X	-1.071	-1.071	0	%100
222	M158C	Z	0	0	0	%100
223	M159A	X	-1.071	-1.071	0	%100
224	M159A	Z	0	0	0	%100
225	M160	X	-1.071	-1.071	0	%100
226	M160	Z	0	0	0	%100
227	M161	X	-1.071	-1.071	0	%100
228	M161	Z	0	0	0	%100
229	M162B	X	-1.071	-1.071	0	%100
230	M162B	Z	0	0	0	%100
231	M163A	X	-1.071	-1.071	0	%100
232	M163A	Z	0	0	0	%100
233	M164A	X	-1.071	-1.071	0	%100
234	M164A	Z	0	0	0	%100
235	M165	X	-1.071	-1.071	0	%100
236	M165	Z	0	0	0	%100
237	M166	X	-1.071	-1.071	0	%100
238	M166	Z	0	0	0	%100
239	MP4C	X	-2.694	-2.694	0	%100
240	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.755	-.755	0	%100
2	M1	Z	-.436	-.436	0	%100
3	M2	X	-.615	-.615	0	%100
4	M2	Z	-.355	-.355	0	%100
5	M3	X	-.75	-.75	0	%100
6	M3	Z	-.433	-.433	0	%100
7	M4	X	-2.752	-2.752	0	%100
8	M4	Z	-1.589	-1.589	0	%100
9	M5	X	-2.752	-2.752	0	%100
10	M5	Z	-1.589	-1.589	0	%100
11	M6	X	-2.793	-2.793	0	%100
12	M6	Z	-1.612	-1.612	0	%100
13	M7	X	-2.793	-2.793	0	%100
14	M7	Z	-1.612	-1.612	0	%100
15	M18	X	-2.266	-2.266	0	%100
16	M18	Z	-1.308	-1.308	0	%100
17	M19	X	-1.844	-1.844	0	%100
18	M19	Z	-1.065	-1.065	0	%100
19	M20	X	-2.249	-2.249	0	%100
20	M20	Z	-1.299	-1.299	0	%100
21	M21	X	-.917	-.917	0	%100
22	M21	Z	-.53	-.53	0	%100
23	M22	X	-.917	-.917	0	%100
24	M22	Z	-.529	-.529	0	%100
25	M23	X	-.931	-.931	0	%100
26	M23	Z	-.537	-.537	0	%100
27	M24	X	-.931	-.931	0	%100
28	M24	Z	-.537	-.537	0	%100
29	M35	X	-.755	-.755	0	%100
30	M35	Z	-.436	-.436	0	%100
31	M36	X	-.615	-.615	0	%100
32	M36	Z	-.355	-.355	0	%100
33	M37	X	-.75	-.75	0	%100
34	M37	Z	-.433	-.433	0	%100
35	M38	X	-2.752	-2.752	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
36	M38	Z	-1.589	-1.589	0 %100
37	M39	X	-2.752	-2.752	0 %100
38	M39	Z	-1.589	-1.589	0 %100
39	M40	X	-2.793	-2.793	0 %100
40	M40	Z	-1.612	-1.612	0 %100
41	M41	X	-2.793	-2.793	0 %100
42	M41	Z	-1.612	-1.612	0 %100
43	M52	X	-2.266	-2.266	0 %100
44	M52	Z	-1.308	-1.308	0 %100
45	M53	X	-1.844	-1.844	0 %100
46	M53	Z	-1.065	-1.065	0 %100
47	M54	X	-2.249	-2.249	0 %100
48	M54	Z	-1.299	-1.299	0 %100
49	M55	X	-.917	-.917	0 %100
50	M55	Z	-.53	-.53	0 %100
51	M56	X	-.917	-.917	0 %100
52	M56	Z	-.53	-.53	0 %100
53	M57	X	-.931	-.931	0 %100
54	M57	Z	-.537	-.537	0 %100
55	M58	X	-.931	-.931	0 %100
56	M58	Z	-.537	-.537	0 %100
57	M60	X	-.696	-.696	0 %100
58	M60	Z	-.402	-.402	0 %100
59	M61	X	-.696	-.696	0 %100
60	M61	Z	-.402	-.402	0 %100
61	M62	X	-.696	-.696	0 %100
62	M62	Z	-.402	-.402	0 %100
63	M63	X	-.696	-.696	0 %100
64	M63	Z	-.402	-.402	0 %100
65	M69	X	-2.713	-2.713	0 %100
66	M69	Z	-1.566	-1.566	0 %100
67	M70	X	-.061	-.061	0 %100
68	M70	Z	-.035	-.035	0 %100
69	M71	X	-.195	-.195	0 %100
70	M71	Z	-.112	-.112	0 %100
71	M72	X	-.853	-.853	0 %100
72	M72	Z	-.492	-.492	0 %100
73	M73	X	-2.713	-2.713	0 %100
74	M73	Z	-1.566	-1.566	0 %100
75	M74	X	-.061	-.061	0 %100
76	M74	Z	-.035	-.035	0 %100
77	M75	X	-.195	-.195	0 %100
78	M75	Z	-.112	-.112	0 %100
79	M76	X	-.853	-.853	0 %100
80	M76	Z	-.492	-.492	0 %100
81	M77	X	-1.75	-1.75	0 %100
82	M77	Z	-1.01	-1.01	0 %100
83	M90	X	-.583	-.583	0 %100
84	M90	Z	-.337	-.337	0 %100
85	M103	X	-1.75	-1.75	0 %100
86	M103	Z	-1.01	-1.01	0 %100
87	M116	X	-.583	-.583	0 %100
88	M116	Z	-.337	-.337	0 %100
89	MP3A	X	-2.333	-2.333	0 %100
90	MP3A	Z	-1.347	-1.347	0 %100
91	MP1A	X	-2.333	-2.333	0 %100
92	MP1A	Z	-1.347	-1.347	0 %100
93	M129	X	-.129	-.129	0 %100
94	M129	Z	-.075	-.075	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft,%]	End Location[ft,%]
154	M154A	Z	-.402	-.402	0	%100
155	M155C	X	-.696	-.696	0	%100
156	M155C	Z	-.402	-.402	0	%100
157	M156C	X	-.696	-.696	0	%100
158	M156C	Z	-.402	-.402	0	%100
159	M127A	X	-.232	-.232	0	%100
160	M127A	Z	-.134	-.134	0	%100
161	M128	X	-.232	-.232	0	%100
162	M128	Z	-.134	-.134	0	%100
163	M129B	X	-.232	-.232	0	%100
164	M129B	Z	-.134	-.134	0	%100
165	M130B	X	-.232	-.232	0	%100
166	M130B	Z	-.134	-.134	0	%100
167	M131A	X	-.232	-.232	0	%100
168	M131A	Z	-.134	-.134	0	%100
169	M132A	X	-.232	-.232	0	%100
170	M132A	Z	-.134	-.134	0	%100
171	M133A	X	-.232	-.232	0	%100
172	M133A	Z	-.134	-.134	0	%100
173	M134A	X	-.232	-.232	0	%100
174	M134A	Z	-.134	-.134	0	%100
175	M135A	X	-.232	-.232	0	%100
176	M135A	Z	-.134	-.134	0	%100
177	M136A	X	-.232	-.232	0	%100
178	M136A	Z	-.134	-.134	0	%100
179	M137A	X	-.696	-.696	0	%100
180	M137A	Z	-.402	-.402	0	%100
181	M138B	X	-.696	-.696	0	%100
182	M138B	Z	-.402	-.402	0	%100
183	M139B	X	-.696	-.696	0	%100
184	M139B	Z	-.402	-.402	0	%100
185	M140A	X	-.696	-.696	0	%100
186	M140A	Z	-.402	-.402	0	%100
187	M141B	X	-.696	-.696	0	%100
188	M141B	Z	-.402	-.402	0	%100
189	M142B	X	-.696	-.696	0	%100
190	M142B	Z	-.402	-.402	0	%100
191	M143A	X	-.696	-.696	0	%100
192	M143A	Z	-.402	-.402	0	%100
193	M144A	X	-.696	-.696	0	%100
194	M144A	Z	-.402	-.402	0	%100
195	M145A	X	-.696	-.696	0	%100
196	M145A	Z	-.402	-.402	0	%100
197	M146A	X	-.696	-.696	0	%100
198	M146A	Z	-.402	-.402	0	%100
199	M147A	X	-.232	-.232	0	%100
200	M147A	Z	-.134	-.134	0	%100
201	M148A	X	-.232	-.232	0	%100
202	M148A	Z	-.134	-.134	0	%100
203	M149A	X	-.232	-.232	0	%100
204	M149A	Z	-.134	-.134	0	%100
205	M150B	X	-.232	-.232	0	%100
206	M150B	Z	-.134	-.134	0	%100
207	M151	X	-.232	-.232	0	%100
208	M151	Z	-.134	-.134	0	%100
209	M152A	X	-.232	-.232	0	%100
210	M152A	Z	-.134	-.134	0	%100
211	M153B	X	-.232	-.232	0	%100
212	M153B	Z	-.134	-.134	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
28	M24	Z	-2.793	-2.793	0	%100
29	M35	X	-1.308	-1.308	0	%100
30	M35	Z	-2.266	-2.266	0	%100
31	M36	X	-1.065	-1.065	0	%100
32	M36	Z	-1.844	-1.844	0	%100
33	M37	X	-1.299	-1.299	0	%100
34	M37	Z	-2.249	-2.249	0	%100
35	M38	X	-.53	-.53	0	%100
36	M38	Z	-.917	-.917	0	%100
37	M39	X	-.53	-.53	0	%100
38	M39	Z	-.918	-.918	0	%100
39	M40	X	-.537	-.537	0	%100
40	M40	Z	-.931	-.931	0	%100
41	M41	X	-.537	-.537	0	%100
42	M41	Z	-.931	-.931	0	%100
43	M52	X	-.436	-.436	0	%100
44	M52	Z	-.755	-.755	0	%100
45	M53	X	-.355	-.355	0	%100
46	M53	Z	-.615	-.615	0	%100
47	M54	X	-.433	-.433	0	%100
48	M54	Z	-.75	-.75	0	%100
49	M55	X	-1.589	-1.589	0	%100
50	M55	Z	-2.752	-2.752	0	%100
51	M56	X	-1.589	-1.589	0	%100
52	M56	Z	-2.752	-2.752	0	%100
53	M57	X	-1.612	-1.612	0	%100
54	M57	Z	-2.793	-2.793	0	%100
55	M58	X	-1.612	-1.612	0	%100
56	M58	Z	-2.793	-2.793	0	%100
57	M60	X	-.134	-.134	0	%100
58	M60	Z	-.232	-.232	0	%100
59	M61	X	-.134	-.134	0	%100
60	M61	Z	-.232	-.232	0	%100
61	M62	X	-.134	-.134	0	%100
62	M62	Z	-.232	-.232	0	%100
63	M63	X	-.134	-.134	0	%100
64	M63	Z	-.232	-.232	0	%100
65	M69	X	-1.566	-1.566	0	%100
66	M69	Z	-2.713	-2.713	0	%100
67	M70	X	-.035	-.035	0	%100
68	M70	Z	-.061	-.061	0	%100
69	M71	X	-.112	-.112	0	%100
70	M71	Z	-.195	-.195	0	%100
71	M72	X	-.492	-.492	0	%100
72	M72	Z	-.853	-.853	0	%100
73	M73	X	-1.566	-1.566	0	%100
74	M73	Z	-2.713	-2.713	0	%100
75	M74	X	-.035	-.035	0	%100
76	M74	Z	-.061	-.061	0	%100
77	M75	X	-.112	-.112	0	%100
78	M75	Z	-.195	-.195	0	%100
79	M76	X	-.492	-.492	0	%100
80	M76	Z	-.853	-.853	0	%100
81	M77	X	-.337	-.337	0	%100
82	M77	Z	-.583	-.583	0	%100
83	M90	X	-1.01	-1.01	0	%100
84	M90	Z	-1.75	-1.75	0	%100
85	M103	X	-.337	-.337	0	%100
86	M103	Z	-.583	-.583	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
146	MP4D	Z	-2.333	-2.333	0	%100
147	M156B	X	-.134	-.134	0	%100
148	M156B	Z	-.232	-.232	0	%100
149	M152	X	-.134	-.134	0	%100
150	M152	Z	-.232	-.232	0	%100
151	M153	X	-.134	-.134	0	%100
152	M153	Z	-.232	-.232	0	%100
153	M154A	X	-.134	-.134	0	%100
154	M154A	Z	-.232	-.232	0	%100
155	M155C	X	-.134	-.134	0	%100
156	M155C	Z	-.232	-.232	0	%100
157	M156C	X	-.134	-.134	0	%100
158	M156C	Z	-.232	-.232	0	%100
159	M127A	X	-.402	-.402	0	%100
160	M127A	Z	-.696	-.696	0	%100
161	M128	X	-.402	-.402	0	%100
162	M128	Z	-.696	-.696	0	%100
163	M129B	X	-.402	-.402	0	%100
164	M129B	Z	-.696	-.696	0	%100
165	M130B	X	-.402	-.402	0	%100
166	M130B	Z	-.696	-.696	0	%100
167	M131A	X	-.402	-.402	0	%100
168	M131A	Z	-.696	-.696	0	%100
169	M132A	X	-.402	-.402	0	%100
170	M132A	Z	-.696	-.696	0	%100
171	M133A	X	-.402	-.402	0	%100
172	M133A	Z	-.696	-.696	0	%100
173	M134A	X	-.402	-.402	0	%100
174	M134A	Z	-.696	-.696	0	%100
175	M135A	X	-.402	-.402	0	%100
176	M135A	Z	-.696	-.696	0	%100
177	M136A	X	-.402	-.402	0	%100
178	M136A	Z	-.696	-.696	0	%100
179	M137A	X	-.134	-.134	0	%100
180	M137A	Z	-.232	-.232	0	%100
181	M138B	X	-.134	-.134	0	%100
182	M138B	Z	-.232	-.232	0	%100
183	M139B	X	-.134	-.134	0	%100
184	M139B	Z	-.232	-.232	0	%100
185	M140A	X	-.134	-.134	0	%100
186	M140A	Z	-.232	-.232	0	%100
187	M141B	X	-.134	-.134	0	%100
188	M141B	Z	-.232	-.232	0	%100
189	M142B	X	-.134	-.134	0	%100
190	M142B	Z	-.232	-.232	0	%100
191	M143A	X	-.134	-.134	0	%100
192	M143A	Z	-.232	-.232	0	%100
193	M144A	X	-.134	-.134	0	%100
194	M144A	Z	-.232	-.232	0	%100
195	M145A	X	-.134	-.134	0	%100
196	M145A	Z	-.232	-.232	0	%100
197	M146A	X	-.134	-.134	0	%100
198	M146A	Z	-.232	-.232	0	%100
199	M147A	X	-.402	-.402	0	%100
200	M147A	Z	-.696	-.696	0	%100
201	M148A	X	-.402	-.402	0	%100
202	M148A	Z	-.696	-.696	0	%100
203	M149A	X	-.402	-.402	0	%100
204	M149A	Z	-.696	-.696	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
205	M150B	X	-402	-402	0	%100
206	M150B	Z	-696	-696	0	%100
207	M151	X	-402	-402	0	%100
208	M151	Z	-696	-696	0	%100
209	M152A	X	-402	-402	0	%100
210	M152A	Z	-696	-696	0	%100
211	M153B	X	-402	-402	0	%100
212	M153B	Z	-696	-696	0	%100
213	M154B	X	-402	-402	0	%100
214	M154B	Z	-696	-696	0	%100
215	M155D	X	-402	-402	0	%100
216	M155D	Z	-696	-696	0	%100
217	M156D	X	-402	-402	0	%100
218	M156D	Z	-696	-696	0	%100
219	M157C	X	-134	-134	0	%100
220	M157C	Z	-232	-232	0	%100
221	M158C	X	-134	-134	0	%100
222	M158C	Z	-232	-232	0	%100
223	M159A	X	-134	-134	0	%100
224	M159A	Z	-232	-232	0	%100
225	M160	X	-134	-134	0	%100
226	M160	Z	-232	-232	0	%100
227	M161	X	-134	-134	0	%100
228	M161	Z	-232	-232	0	%100
229	M162B	X	-134	-134	0	%100
230	M162B	Z	-232	-232	0	%100
231	M163A	X	-134	-134	0	%100
232	M163A	Z	-232	-232	0	%100
233	M164A	X	-134	-134	0	%100
234	M164A	Z	-232	-232	0	%100
235	M165	X	-134	-134	0	%100
236	M165	Z	-232	-232	0	%100
237	M166	X	-134	-134	0	%100
238	M166	Z	-232	-232	0	%100
239	MP4C	X	-1.347	-1.347	0	%100
240	MP4C	Z	-2.333	-2.333	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-818	-818	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-734	-734	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-898	-898	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude lb/ft....	End Magnitude lb/ft....	Start Location ft.%	End Location ft.%
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-1.047	-1.047	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-1.047	-1.047	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-1.07	-1.07	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-1.07	-1.07	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	-818	-818	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	-734	-734	0	%100
33	M37	X	0	0	0	%100
34	M37	Z	-898	-898	0	%100
35	M38	X	0	0	0	%100
36	M38	Z	0	0	0	%100
37	M39	X	0	0	0	%100
38	M39	Z	0	0	0	%100
39	M40	X	0	0	0	%100
40	M40	Z	0	0	0	%100
41	M41	X	0	0	0	%100
42	M41	Z	0	0	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	0	0	0	%100
49	M55	X	0	0	0	%100
50	M55	Z	-1.047	-1.047	0	%100
51	M56	X	0	0	0	%100
52	M56	Z	-1.047	-1.047	0	%100
53	M57	X	0	0	0	%100
54	M57	Z	-1.07	-1.07	0	%100
55	M58	X	0	0	0	%100
56	M58	Z	-1.07	-1.07	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	0	0	0	%100
61	M62	X	0	0	0	%100
62	M62	Z	0	0	0	%100
63	M63	X	0	0	0	%100
64	M63	Z	0	0	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	-.441	-.441	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	-.028	-.028	0	%100
69	M71	X	0	0	0	%100
70	M71	Z	-.441	-.441	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	-.028	-.028	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-.441	-.441	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-.028	-.028	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-.441	-.441	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
79	M76	X	0	0	0	%100
80	M76	Z	-.028	-.028	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	0	0	0	%100
83	M90	X	0	0	0	%100
84	M90	Z	-.492	-.492	0	%100
85	M103	X	0	0	0	%100
86	M103	Z	0	0	0	%100
87	M116	X	0	0	0	%100
88	M116	Z	-.492	-.492	0	%100
89	MP3A	X	0	0	0	%100
90	MP3A	Z	-.492	-.492	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	-.492	-.492	0	%100
93	M129	X	0	0	0	%100
94	M129	Z	-.244	-.244	0	%100
95	M132	X	0	0	0	%100
96	M132	Z	-.244	-.244	0	%100
97	M135	X	0	0	0	%100
98	M135	Z	-.244	-.244	0	%100
99	M138	X	0	0	0	%100
100	M138	Z	-.244	-.244	0	%100
101	M141	X	0	0	0	%100
102	M141	Z	-.064	-.064	0	%100
103	M142	X	0	0	0	%100
104	M142	Z	-.064	-.064	0	%100
105	M143	X	0	0	0	%100
106	M143	Z	0	0	0	%100
107	M144	X	0	0	0	%100
108	M144	Z	0	0	0	%100
109	M145	X	0	0	0	%100
110	M145	Z	-.064	-.064	0	%100
111	M146	X	0	0	0	%100
112	M146	Z	-.064	-.064	0	%100
113	M147	X	0	0	0	%100
114	M147	Z	0	0	0	%100
115	M148	X	0	0	0	%100
116	M148	Z	0	0	0	%100
117	OVP1	X	0	0	0	%100
118	OVP1	Z	-.402	-.402	0	%100
119	MP2D	X	0	0	0	%100
120	MP2D	Z	-.492	-.492	0	%100
121	MP1D	X	0	0	0	%100
122	MP1D	Z	-.492	-.492	0	%100
123	MP2C	X	0	0	0	%100
124	MP2C	Z	-.492	-.492	0	%100
125	MP1C	X	0	0	0	%100
126	MP1C	Z	-.492	-.492	0	%100
127	MP2B	X	0	0	0	%100
128	MP2B	Z	-.492	-.492	0	%100
129	MP1B	X	0	0	0	%100
130	MP1B	Z	-.492	-.492	0	%100
131	MP2A	X	0	0	0	%100
132	MP2A	Z	-.492	-.492	0	%100
133	MP4A	X	0	0	0	%100
134	MP4A	Z	-.492	-.492	0	%100
135	MP3D	X	0	0	0	%100
136	MP3D	Z	-.492	-.492	0	%100
137	MP3C	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
138	MP3C	Z	-.492	-.492	0 %100
139	MP5C	X	0	0	0 %100
140	MP5C	Z	-.492	-.492	0 %100
141	MP3B	X	0	0	0 %100
142	MP3B	Z	-.492	-.492	0 %100
143	MP4B	X	0	0	0 %100
144	MP4B	Z	-.492	-.492	0 %100
145	MP4D	X	0	0	0 %100
146	MP4D	Z	-.492	-.492	0 %100
147	M156B	X	0	0	0 %100
148	M156B	Z	0	0	0 %100
149	M152	X	0	0	0 %100
150	M152	Z	0	0	0 %100
151	M153	X	0	0	0 %100
152	M153	Z	0	0	0 %100
153	M154A	X	0	0	0 %100
154	M154A	Z	0	0	0 %100
155	M155C	X	0	0	0 %100
156	M155C	Z	0	0	0 %100
157	M156C	X	0	0	0 %100
158	M156C	Z	0	0	0 %100
159	M127A	X	0	0	0 %100
160	M127A	Z	-.056	-.056	0 %100
161	M128	X	0	0	0 %100
162	M128	Z	-.056	-.056	0 %100
163	M129B	X	0	0	0 %100
164	M129B	Z	-.056	-.056	0 %100
165	M130B	X	0	0	0 %100
166	M130B	Z	-.056	-.056	0 %100
167	M131A	X	0	0	0 %100
168	M131A	Z	-.056	-.056	0 %100
169	M132A	X	0	0	0 %100
170	M132A	Z	-.056	-.056	0 %100
171	M133A	X	0	0	0 %100
172	M133A	Z	-.056	-.056	0 %100
173	M134A	X	0	0	0 %100
174	M134A	Z	-.056	-.056	0 %100
175	M135A	X	0	0	0 %100
176	M135A	Z	-.056	-.056	0 %100
177	M136A	X	0	0	0 %100
178	M136A	Z	-.056	-.056	0 %100
179	M137A	X	0	0	0 %100
180	M137A	Z	0	0	0 %100
181	M138B	X	0	0	0 %100
182	M138B	Z	0	0	0 %100
183	M139B	X	0	0	0 %100
184	M139B	Z	0	0	0 %100
185	M140A	X	0	0	0 %100
186	M140A	Z	0	0	0 %100
187	M141B	X	0	0	0 %100
188	M141B	Z	0	0	0 %100
189	M142B	X	0	0	0 %100
190	M142B	Z	0	0	0 %100
191	M143A	X	0	0	0 %100
192	M143A	Z	0	0	0 %100
193	M144A	X	0	0	0 %100
194	M144A	Z	0	0	0 %100
195	M145A	X	0	0	0 %100
196	M145A	Z	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....	Start Location[ft.%]	End Location[ft.%]
197	M146A	X	0	0	0	%100
198	M146A	Z	0	0	0	%100
199	M147A	X	0	0	0	%100
200	M147A	Z	-.056	-.056	0	%100
201	M148A	X	0	0	0	%100
202	M148A	Z	-.056	-.056	0	%100
203	M149A	X	0	0	0	%100
204	M149A	Z	-.056	-.056	0	%100
205	M150B	X	0	0	0	%100
206	M150B	Z	-.056	-.056	0	%100
207	M151	X	0	0	0	%100
208	M151	Z	-.056	-.056	0	%100
209	M152A	X	0	0	0	%100
210	M152A	Z	-.056	-.056	0	%100
211	M153B	X	0	0	0	%100
212	M153B	Z	-.056	-.056	0	%100
213	M154B	X	0	0	0	%100
214	M154B	Z	-.056	-.056	0	%100
215	M155D	X	0	0	0	%100
216	M155D	Z	-.056	-.056	0	%100
217	M156D	X	0	0	0	%100
218	M156D	Z	-.056	-.056	0	%100
219	M157C	X	0	0	0	%100
220	M157C	Z	0	0	0	%100
221	M158C	X	0	0	0	%100
222	M158C	Z	0	0	0	%100
223	M159A	X	0	0	0	%100
224	M159A	Z	0	0	0	%100
225	M160	X	0	0	0	%100
226	M160	Z	0	0	0	%100
227	M161	X	0	0	0	%100
228	M161	Z	0	0	0	%100
229	M162B	X	0	0	0	%100
230	M162B	Z	0	0	0	%100
231	M163A	X	0	0	0	%100
232	M163A	Z	0	0	0	%100
233	M164A	X	0	0	0	%100
234	M164A	Z	0	0	0	%100
235	M165	X	0	0	0	%100
236	M165	Z	0	0	0	%100
237	M166	X	0	0	0	%100
238	M166	Z	0	0	0	%100
239	MP4C	X	0	0	0	%100
240	MP4C	Z	-.492	-.492	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.307	.307	0	%100
2	M1	Z	-.531	-.531	0	%100
3	M2	X	.275	.275	0	%100
4	M2	Z	-.477	-.477	0	%100
5	M3	X	.337	.337	0	%100
6	M3	Z	-.583	-.583	0	%100
7	M4	X	.131	.131	0	%100
8	M4	Z	-.227	-.227	0	%100
9	M5	X	.131	.131	0	%100
10	M5	Z	-.227	-.227	0	%100
11	M6	X	.134	.134	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
12	M6	Z	-.232	-.232	0	%100
13	M7	X	.134	.134	0	%100
14	M7	Z	-.232	-.232	0	%100
15	M18	X	.102	.102	0	%100
16	M18	Z	-.177	-.177	0	%100
17	M19	X	.092	.092	0	%100
18	M19	Z	-.159	-.159	0	%100
19	M20	X	.112	.112	0	%100
20	M20	Z	-.194	-.194	0	%100
21	M21	X	.393	.393	0	%100
22	M21	Z	-.68	-.68	0	%100
23	M22	X	.393	.393	0	%100
24	M22	Z	-.68	-.68	0	%100
25	M23	X	.401	.401	0	%100
26	M23	Z	-.695	-.695	0	%100
27	M24	X	.401	.401	0	%100
28	M24	Z	-.695	-.695	0	%100
29	M35	X	.307	.307	0	%100
30	M35	Z	-.531	-.531	0	%100
31	M36	X	.275	.275	0	%100
32	M36	Z	-.477	-.477	0	%100
33	M37	X	.337	.337	0	%100
34	M37	Z	-.583	-.583	0	%100
35	M38	X	.131	.131	0	%100
36	M38	Z	-.227	-.227	0	%100
37	M39	X	.131	.131	0	%100
38	M39	Z	-.227	-.227	0	%100
39	M40	X	.134	.134	0	%100
40	M40	Z	-.232	-.232	0	%100
41	M41	X	.134	.134	0	%100
42	M41	Z	-.232	-.232	0	%100
43	M52	X	.102	.102	0	%100
44	M52	Z	-.177	-.177	0	%100
45	M53	X	.092	.092	0	%100
46	M53	Z	-.159	-.159	0	%100
47	M54	X	.112	.112	0	%100
48	M54	Z	-.194	-.194	0	%100
49	M55	X	.393	.393	0	%100
50	M55	Z	-.68	-.68	0	%100
51	M56	X	.393	.393	0	%100
52	M56	Z	-.68	-.68	0	%100
53	M57	X	.401	.401	0	%100
54	M57	Z	-.695	-.695	0	%100
55	M58	X	.401	.401	0	%100
56	M58	Z	-.695	-.695	0	%100
57	M60	X	.007	.007	0	%100
58	M60	Z	-.012	-.012	0	%100
59	M61	X	.007	.007	0	%100
60	M61	Z	-.012	-.012	0	%100
61	M62	X	.007	.007	0	%100
62	M62	Z	-.012	-.012	0	%100
63	M63	X	.007	.007	0	%100
64	M63	Z	-.012	-.012	0	%100
65	M69	X	.03	.03	0	%100
66	M69	Z	-.051	-.051	0	%100
67	M70	X	.026	.026	0	%100
68	M70	Z	-.045	-.045	0	%100
69	M71	X	.411	.411	0	%100
70	M71	Z	-.712	-.712	0	%100



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

	Member Label	Direction	Start Magnitude lb/ft...	End Magnitude lb/ft...	Start Location ft.%	End Location ft.%
130	MP1B	Z	-.426	-.426	0	%100
131	MP2A	X	.246	.246	0	%100
132	MP2A	Z	-.426	-.426	0	%100
133	MP4A	X	.246	.246	0	%100
134	MP4A	Z	-.426	-.426	0	%100
135	MP3D	X	.246	.246	0	%100
136	MP3D	Z	-.426	-.426	0	%100
137	MP3C	X	.246	.246	0	%100
138	MP3C	Z	-.426	-.426	0	%100
139	MP5C	X	.246	.246	0	%100
140	MP5C	Z	-.426	-.426	0	%100
141	MP3B	X	.246	.246	0	%100
142	MP3B	Z	-.426	-.426	0	%100
143	MP4B	X	.246	.246	0	%100
144	MP4B	Z	-.426	-.426	0	%100
145	MP4D	X	.246	.246	0	%100
146	MP4D	Z	-.426	-.426	0	%100
147	M156B	X	.007	.007	0	%100
148	M156B	Z	-.012	-.012	0	%100
149	M152	X	.007	.007	0	%100
150	M152	Z	-.012	-.012	0	%100
151	M153	X	.007	.007	0	%100
152	M153	Z	-.012	-.012	0	%100
153	M154A	X	.007	.007	0	%100
154	M154A	Z	-.012	-.012	0	%100
155	M155C	X	.007	.007	0	%100
156	M155C	Z	-.012	-.012	0	%100
157	M156C	X	.007	.007	0	%100
158	M156C	Z	-.012	-.012	0	%100
159	M127A	X	.021	.021	0	%100
160	M127A	Z	-.036	-.036	0	%100
161	M128	X	.021	.021	0	%100
162	M128	Z	-.036	-.036	0	%100
163	M129B	X	.021	.021	0	%100
164	M129B	Z	-.036	-.036	0	%100
165	M130B	X	.021	.021	0	%100
166	M130B	Z	-.036	-.036	0	%100
167	M131A	X	.021	.021	0	%100
168	M131A	Z	-.036	-.036	0	%100
169	M132A	X	.021	.021	0	%100
170	M132A	Z	-.036	-.036	0	%100
171	M133A	X	.021	.021	0	%100
172	M133A	Z	-.036	-.036	0	%100
173	M134A	X	.021	.021	0	%100
174	M134A	Z	-.036	-.036	0	%100
175	M135A	X	.021	.021	0	%100
176	M135A	Z	-.036	-.036	0	%100
177	M136A	X	.021	.021	0	%100
178	M136A	Z	-.036	-.036	0	%100
179	M137A	X	.007	.007	0	%100
180	M137A	Z	-.012	-.012	0	%100
181	M138B	X	.007	.007	0	%100
182	M138B	Z	-.012	-.012	0	%100
183	M139B	X	.007	.007	0	%100
184	M139B	Z	-.012	-.012	0	%100
185	M140A	X	.007	.007	0	%100
186	M140A	Z	-.012	-.012	0	%100
187	M141B	X	.007	.007	0	%100
188	M141B	Z	-.012	-.012	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
189	M142B	X	.007	.007	0	%100
190	M142B	Z	-.012	-.012	0	%100
191	M143A	X	.007	.007	0	%100
192	M143A	Z	-.012	-.012	0	%100
193	M144A	X	.007	.007	0	%100
194	M144A	Z	-.012	-.012	0	%100
195	M145A	X	.007	.007	0	%100
196	M145A	Z	-.012	-.012	0	%100
197	M146A	X	.007	.007	0	%100
198	M146A	Z	-.012	-.012	0	%100
199	M147A	X	.021	.021	0	%100
200	M147A	Z	-.036	-.036	0	%100
201	M148A	X	.021	.021	0	%100
202	M148A	Z	-.036	-.036	0	%100
203	M149A	X	.021	.021	0	%100
204	M149A	Z	-.036	-.036	0	%100
205	M150B	X	.021	.021	0	%100
206	M150B	Z	-.036	-.036	0	%100
207	M151	X	.021	.021	0	%100
208	M151	Z	-.036	-.036	0	%100
209	M152A	X	.021	.021	0	%100
210	M152A	Z	-.036	-.036	0	%100
211	M153B	X	.021	.021	0	%100
212	M153B	Z	-.036	-.036	0	%100
213	M154B	X	.021	.021	0	%100
214	M154B	Z	-.036	-.036	0	%100
215	M155D	X	.021	.021	0	%100
216	M155D	Z	-.036	-.036	0	%100
217	M156D	X	.021	.021	0	%100
218	M156D	Z	-.036	-.036	0	%100
219	M157C	X	.007	.007	0	%100
220	M157C	Z	-.012	-.012	0	%100
221	M158C	X	.007	.007	0	%100
222	M158C	Z	-.012	-.012	0	%100
223	M159A	X	.007	.007	0	%100
224	M159A	Z	-.012	-.012	0	%100
225	M160	X	.007	.007	0	%100
226	M160	Z	-.012	-.012	0	%100
227	M161	X	.007	.007	0	%100
228	M161	Z	-.012	-.012	0	%100
229	M162B	X	.007	.007	0	%100
230	M162B	Z	-.012	-.012	0	%100
231	M163A	X	.007	.007	0	%100
232	M163A	Z	-.012	-.012	0	%100
233	M164A	X	.007	.007	0	%100
234	M164A	Z	-.012	-.012	0	%100
235	M165	X	.007	.007	0	%100
236	M165	Z	-.012	-.012	0	%100
237	M166	X	.007	.007	0	%100
238	M166	Z	-.012	-.012	0	%100
239	MP4C	X	.246	.246	0	%100
240	MP4C	Z	-.426	-.426	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.177	.177	0	%100
2	M1	Z	-.102	-.102	0	%100
3	M2	X	.159	.159	0	%100



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

	Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
4	M2	Z	-.092	-.092	0	%100
5	M3	X	.194	.194	0	%100
6	M3	Z	-.112	-.112	0	%100
7	M4	X	.68	.68	0	%100
8	M4	Z	-.393	-.393	0	%100
9	M5	X	.68	.68	0	%100
10	M5	Z	-.393	-.393	0	%100
11	M6	X	.695	.695	0	%100
12	M6	Z	-.401	-.401	0	%100
13	M7	X	.695	.695	0	%100
14	M7	Z	-.401	-.401	0	%100
15	M18	X	.531	.531	0	%100
16	M18	Z	-.307	-.307	0	%100
17	M19	X	.477	.477	0	%100
18	M19	Z	-.275	-.275	0	%100
19	M20	X	.583	.583	0	%100
20	M20	Z	-.337	-.337	0	%100
21	M21	X	.227	.227	0	%100
22	M21	Z	-.131	-.131	0	%100
23	M22	X	.227	.227	0	%100
24	M22	Z	-.131	-.131	0	%100
25	M23	X	.232	.232	0	%100
26	M23	Z	-.134	-.134	0	%100
27	M24	X	.232	.232	0	%100
28	M24	Z	-.134	-.134	0	%100
29	M35	X	.177	.177	0	%100
30	M35	Z	-.102	-.102	0	%100
31	M36	X	.159	.159	0	%100
32	M36	Z	-.092	-.092	0	%100
33	M37	X	.194	.194	0	%100
34	M37	Z	-.112	-.112	0	%100
35	M38	X	.68	.68	0	%100
36	M38	Z	-.393	-.393	0	%100
37	M39	X	.68	.68	0	%100
38	M39	Z	-.393	-.393	0	%100
39	M40	X	.695	.695	0	%100
40	M40	Z	-.401	-.401	0	%100
41	M41	X	.695	.695	0	%100
42	M41	Z	-.401	-.401	0	%100
43	M52	X	.531	.531	0	%100
44	M52	Z	-.307	-.307	0	%100
45	M53	X	.477	.477	0	%100
46	M53	Z	-.275	-.275	0	%100
47	M54	X	.583	.583	0	%100
48	M54	Z	-.337	-.337	0	%100
49	M55	X	.227	.227	0	%100
50	M55	Z	-.131	-.131	0	%100
51	M56	X	.227	.227	0	%100
52	M56	Z	-.131	-.131	0	%100
53	M57	X	.232	.232	0	%100
54	M57	Z	-.134	-.134	0	%100
55	M58	X	.232	.232	0	%100
56	M58	Z	-.134	-.134	0	%100
57	M60	X	.036	.036	0	%100
58	M60	Z	-.021	-.021	0	%100
59	M61	X	.036	.036	0	%100
60	M61	Z	-.021	-.021	0	%100
61	M62	X	.036	.036	0	%100
62	M62	Z	-.021	-.021	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
63	M63	X	.036	.036	0	%100
64	M63	Z	-.021	-.021	0	%100
65	M69	X	.051	.051	0	%100
66	M69	Z	-.03	-.03	0	%100
67	M70	X	.045	.045	0	%100
68	M70	Z	-.026	-.026	0	%100
69	M71	X	.712	.712	0	%100
70	M71	Z	-.411	-.411	0	%100
71	M72	X	.003	.003	0	%100
72	M72	Z	-.002	-.002	0	%100
73	M73	X	.051	.051	0	%100
74	M73	Z	-.03	-.03	0	%100
75	M74	X	.045	.045	0	%100
76	M74	Z	-.026	-.026	0	%100
77	M75	X	.712	.712	0	%100
78	M75	Z	-.411	-.411	0	%100
79	M76	X	.003	.003	0	%100
80	M76	Z	-.002	-.002	0	%100
81	M77	X	.32	.32	0	%100
82	M77	Z	-.185	-.185	0	%100
83	M90	X	.107	.107	0	%100
84	M90	Z	-.062	-.062	0	%100
85	M103	X	.32	.32	0	%100
86	M103	Z	-.185	-.185	0	%100
87	M116	X	.107	.107	0	%100
88	M116	Z	-.062	-.062	0	%100
89	MP3A	X	.426	.426	0	%100
90	MP3A	Z	-.246	-.246	0	%100
91	MP1A	X	.426	.426	0	%100
92	MP1A	Z	-.246	-.246	0	%100
93	M129	X	.395	.395	0	%100
94	M129	Z	-.228	-.228	0	%100
95	M132	X	.028	.028	0	%100
96	M132	Z	-.016	-.016	0	%100
97	M135	X	.395	.395	0	%100
98	M135	Z	-.228	-.228	0	%100
99	M138	X	.028	.028	0	%100
100	M138	Z	-.016	-.016	0	%100
101	M141	X	.014	.014	0	%100
102	M141	Z	-.008	-.008	0	%100
103	M142	X	.014	.014	0	%100
104	M142	Z	-.008	-.008	0	%100
105	M143	X	.042	.042	0	%100
106	M143	Z	-.024	-.024	0	%100
107	M144	X	.042	.042	0	%100
108	M144	Z	-.024	-.024	0	%100
109	M145	X	.014	.014	0	%100
110	M145	Z	-.008	-.008	0	%100
111	M146	X	.014	.014	0	%100
112	M146	Z	-.008	-.008	0	%100
113	M147	X	.042	.042	0	%100
114	M147	Z	-.024	-.024	0	%100
115	M148	X	.042	.042	0	%100
116	M148	Z	-.024	-.024	0	%100
117	OVP1	X	.349	.349	0	%100
118	OVP1	Z	-.201	-.201	0	%100
119	MP2D	X	.426	.426	0	%100
120	MP2D	Z	-.246	-.246	0	%100
121	MP1D	X	.426	.426	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft...]	Start Location[ft,%]	End Location[ft,%]
122	MP1D	Z	-.246	-.246	0	%100
123	MP2C	X	.426	.426	0	%100
124	MP2C	Z	-.246	-.246	0	%100
125	MP1C	X	.426	.426	0	%100
126	MP1C	Z	-.246	-.246	0	%100
127	MP2B	X	.426	.426	0	%100
128	MP2B	Z	-.246	-.246	0	%100
129	MP1B	X	.426	.426	0	%100
130	MP1B	Z	-.246	-.246	0	%100
131	MP2A	X	.426	.426	0	%100
132	MP2A	Z	-.246	-.246	0	%100
133	MP4A	X	.426	.426	0	%100
134	MP4A	Z	-.246	-.246	0	%100
135	MP3D	X	.426	.426	0	%100
136	MP3D	Z	-.246	-.246	0	%100
137	MP3C	X	.426	.426	0	%100
138	MP3C	Z	-.246	-.246	0	%100
139	MP5C	X	.426	.426	0	%100
140	MP5C	Z	-.246	-.246	0	%100
141	MP3B	X	.426	.426	0	%100
142	MP3B	Z	-.246	-.246	0	%100
143	MP4B	X	.426	.426	0	%100
144	MP4B	Z	-.246	-.246	0	%100
145	MP4D	X	.426	.426	0	%100
146	MP4D	Z	-.246	-.246	0	%100
147	M156B	X	.036	.036	0	%100
148	M156B	Z	-.021	-.021	0	%100
149	M152	X	.036	.036	0	%100
150	M152	Z	-.021	-.021	0	%100
151	M153	X	.036	.036	0	%100
152	M153	Z	-.021	-.021	0	%100
153	M154A	X	.036	.036	0	%100
154	M154A	Z	-.021	-.021	0	%100
155	M155C	X	.036	.036	0	%100
156	M155C	Z	-.021	-.021	0	%100
157	M156C	X	.036	.036	0	%100
158	M156C	Z	-.021	-.021	0	%100
159	M127A	X	.012	.012	0	%100
160	M127A	Z	-.007	-.007	0	%100
161	M128	X	.012	.012	0	%100
162	M128	Z	-.007	-.007	0	%100
163	M129B	X	.012	.012	0	%100
164	M129B	Z	-.007	-.007	0	%100
165	M130B	X	.012	.012	0	%100
166	M130B	Z	-.007	-.007	0	%100
167	M131A	X	.012	.012	0	%100
168	M131A	Z	-.007	-.007	0	%100
169	M132A	X	.012	.012	0	%100
170	M132A	Z	-.007	-.007	0	%100
171	M133A	X	.012	.012	0	%100
172	M133A	Z	-.007	-.007	0	%100
173	M134A	X	.012	.012	0	%100
174	M134A	Z	-.007	-.007	0	%100
175	M135A	X	.012	.012	0	%100
176	M135A	Z	-.007	-.007	0	%100
177	M136A	X	.012	.012	0	%100
178	M136A	Z	-.007	-.007	0	%100
179	M137A	X	.036	.036	0	%100
180	M137A	Z	-.021	-.021	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
181	M138B	X	.036	.036	0 %100
182	M138B	Z	-.021	-.021	0 %100
183	M139B	X	.036	.036	0 %100
184	M139B	Z	-.021	-.021	0 %100
185	M140A	X	.036	.036	0 %100
186	M140A	Z	-.021	-.021	0 %100
187	M141B	X	.036	.036	0 %100
188	M141B	Z	-.021	-.021	0 %100
189	M142B	X	.036	.036	0 %100
190	M142B	Z	-.021	-.021	0 %100
191	M143A	X	.036	.036	0 %100
192	M143A	Z	-.021	-.021	0 %100
193	M144A	X	.036	.036	0 %100
194	M144A	Z	-.021	-.021	0 %100
195	M145A	X	.036	.036	0 %100
196	M145A	Z	-.021	-.021	0 %100
197	M146A	X	.036	.036	0 %100
198	M146A	Z	-.021	-.021	0 %100
199	M147A	X	.012	.012	0 %100
200	M147A	Z	-.007	-.007	0 %100
201	M148A	X	.012	.012	0 %100
202	M148A	Z	-.007	-.007	0 %100
203	M149A	X	.012	.012	0 %100
204	M149A	Z	-.007	-.007	0 %100
205	M150B	X	.012	.012	0 %100
206	M150B	Z	-.007	-.007	0 %100
207	M151	X	.012	.012	0 %100
208	M151	Z	-.007	-.007	0 %100
209	M152A	X	.012	.012	0 %100
210	M152A	Z	-.007	-.007	0 %100
211	M153B	X	.012	.012	0 %100
212	M153B	Z	-.007	-.007	0 %100
213	M154B	X	.012	.012	0 %100
214	M154B	Z	-.007	-.007	0 %100
215	M155D	X	.012	.012	0 %100
216	M155D	Z	-.007	-.007	0 %100
217	M156D	X	.012	.012	0 %100
218	M156D	Z	-.007	-.007	0 %100
219	M157C	X	.036	.036	0 %100
220	M157C	Z	-.021	-.021	0 %100
221	M158C	X	.036	.036	0 %100
222	M158C	Z	-.021	-.021	0 %100
223	M159A	X	.036	.036	0 %100
224	M159A	Z	-.021	-.021	0 %100
225	M160	X	.036	.036	0 %100
226	M160	Z	-.021	-.021	0 %100
227	M161	X	.036	.036	0 %100
228	M161	Z	-.021	-.021	0 %100
229	M162B	X	.036	.036	0 %100
230	M162B	Z	-.021	-.021	0 %100
231	M163A	X	.036	.036	0 %100
232	M163A	Z	-.021	-.021	0 %100
233	M164A	X	.036	.036	0 %100
234	M164A	Z	-.021	-.021	0 %100
235	M165	X	.036	.036	0 %100
236	M165	Z	-.021	-.021	0 %100
237	M166	X	.036	.036	0 %100
238	M166	Z	-.021	-.021	0 %100
239	MP4C	X	.426	.426	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft...]	Start Location[ft.%]	End Location[ft.%]
240 MP4C	Z	-.246	-.246	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	1.047	1.047	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	1.047	1.047	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	1.07	1.07	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	1.07	1.07	0	%100
14	M7	Z	0	0	0	%100
15	M18	X	.818	.818	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	.734	.734	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	.898	.898	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	0	0	0	%100
33	M37	X	0	0	0	%100
34	M37	Z	0	0	0	%100
35	M38	X	1.047	1.047	0	%100
36	M38	Z	0	0	0	%100
37	M39	X	1.047	1.047	0	%100
38	M39	Z	0	0	0	%100
39	M40	X	1.07	1.07	0	%100
40	M40	Z	0	0	0	%100
41	M41	X	1.07	1.07	0	%100
42	M41	Z	0	0	0	%100
43	M52	X	.818	.818	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	.734	.734	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	.898	.898	0	%100
48	M54	Z	0	0	0	%100
49	M55	X	0	0	0	%100
50	M55	Z	0	0	0	%100
51	M56	X	0	0	0	%100
52	M56	Z	0	0	0	%100
53	M57	X	0	0	0	%100
54	M57	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
55	M58	X	0	0	%100
56	M58	Z	0	0	%100
57	M60	X	.056	.056	%100
58	M60	Z	0	0	%100
59	M61	X	.056	.056	%100
60	M61	Z	0	0	%100
61	M62	X	.056	.056	%100
62	M62	Z	0	0	%100
63	M63	X	.056	.056	%100
64	M63	Z	0	0	%100
65	M69	X	.441	.441	%100
66	M69	Z	0	0	%100
67	M70	X	.028	.028	%100
68	M70	Z	0	0	%100
69	M71	X	.441	.441	%100
70	M71	Z	0	0	%100
71	M72	X	.028	.028	%100
72	M72	Z	0	0	%100
73	M73	X	.441	.441	%100
74	M73	Z	0	0	%100
75	M74	X	.028	.028	%100
76	M74	Z	0	0	%100
77	M75	X	.441	.441	%100
78	M75	Z	0	0	%100
79	M76	X	.028	.028	%100
80	M76	Z	0	0	%100
81	M77	X	.492	.492	%100
82	M77	Z	0	0	%100
83	M90	X	0	0	%100
84	M90	Z	0	0	%100
85	M103	X	.492	.492	%100
86	M103	Z	0	0	%100
87	M116	X	0	0	%100
88	M116	Z	0	0	%100
89	MP3A	X	.492	.492	%100
90	MP3A	Z	0	0	%100
91	MP1A	X	.492	.492	%100
92	MP1A	Z	0	0	%100
93	M129	X	.244	.244	%100
94	M129	Z	0	0	%100
95	M132	X	.244	.244	%100
96	M132	Z	0	0	%100
97	M135	X	.244	.244	%100
98	M135	Z	0	0	%100
99	M138	X	.244	.244	%100
100	M138	Z	0	0	%100
101	M141	X	0	0	%100
102	M141	Z	0	0	%100
103	M142	X	0	0	%100
104	M142	Z	0	0	%100
105	M143	X	.064	.064	%100
106	M143	Z	0	0	%100
107	M144	X	.064	.064	%100
108	M144	Z	0	0	%100
109	M145	X	0	0	%100
110	M145	Z	0	0	%100
111	M146	X	0	0	%100
112	M146	Z	0	0	%100
113	M147	X	.064	.064	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
114	M147	Z	0	0	%100
115	M148	X	.064	.064	%100
116	M148	Z	0	0	%100
117	OVP1	X	.402	.402	%100
118	OVP1	Z	0	0	%100
119	MP2D	X	.492	.492	%100
120	MP2D	Z	0	0	%100
121	MP1D	X	.492	.492	%100
122	MP1D	Z	0	0	%100
123	MP2C	X	.492	.492	%100
124	MP2C	Z	0	0	%100
125	MP1C	X	.492	.492	%100
126	MP1C	Z	0	0	%100
127	MP2B	X	.492	.492	%100
128	MP2B	Z	0	0	%100
129	MP1B	X	.492	.492	%100
130	MP1B	Z	0	0	%100
131	MP2A	X	.492	.492	%100
132	MP2A	Z	0	0	%100
133	MP4A	X	.492	.492	%100
134	MP4A	Z	0	0	%100
135	MP3D	X	.492	.492	%100
136	MP3D	Z	0	0	%100
137	MP3C	X	.492	.492	%100
138	MP3C	Z	0	0	%100
139	MP5C	X	.492	.492	%100
140	MP5C	Z	0	0	%100
141	MP3B	X	.492	.492	%100
142	MP3B	Z	0	0	%100
143	MP4B	X	.492	.492	%100
144	MP4B	Z	0	0	%100
145	MP4D	X	.492	.492	%100
146	MP4D	Z	0	0	%100
147	M156B	X	.056	.056	%100
148	M156B	Z	0	0	%100
149	M152	X	.056	.056	%100
150	M152	Z	0	0	%100
151	M153	X	.056	.056	%100
152	M153	Z	0	0	%100
153	M154A	X	.056	.056	%100
154	M154A	Z	0	0	%100
155	M155C	X	.056	.056	%100
156	M155C	Z	0	0	%100
157	M156C	X	.056	.056	%100
158	M156C	Z	0	0	%100
159	M127A	X	0	0	%100
160	M127A	Z	0	0	%100
161	M128	X	0	0	%100
162	M128	Z	0	0	%100
163	M129B	X	0	0	%100
164	M129B	Z	0	0	%100
165	M130B	X	0	0	%100
166	M130B	Z	0	0	%100
167	M131A	X	0	0	%100
168	M131A	Z	0	0	%100
169	M132A	X	0	0	%100
170	M132A	Z	0	0	%100
171	M133A	X	0	0	%100
172	M133A	Z	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
173	M134A	X	0	0	0	%100
174	M134A	Z	0	0	0	%100
175	M135A	X	0	0	0	%100
176	M135A	Z	0	0	0	%100
177	M136A	X	0	0	0	%100
178	M136A	Z	0	0	0	%100
179	M137A	X	.056	.056	0	%100
180	M137A	Z	0	0	0	%100
181	M138B	X	.056	.056	0	%100
182	M138B	Z	0	0	0	%100
183	M139B	X	.056	.056	0	%100
184	M139B	Z	0	0	0	%100
185	M140A	X	.056	.056	0	%100
186	M140A	Z	0	0	0	%100
187	M141B	X	.056	.056	0	%100
188	M141B	Z	0	0	0	%100
189	M142B	X	.056	.056	0	%100
190	M142B	Z	0	0	0	%100
191	M143A	X	.056	.056	0	%100
192	M143A	Z	0	0	0	%100
193	M144A	X	.056	.056	0	%100
194	M144A	Z	0	0	0	%100
195	M145A	X	.056	.056	0	%100
196	M145A	Z	0	0	0	%100
197	M146A	X	.056	.056	0	%100
198	M146A	Z	0	0	0	%100
199	M147A	X	0	0	0	%100
200	M147A	Z	0	0	0	%100
201	M148A	X	0	0	0	%100
202	M148A	Z	0	0	0	%100
203	M149A	X	0	0	0	%100
204	M149A	Z	0	0	0	%100
205	M150B	X	0	0	0	%100
206	M150B	Z	0	0	0	%100
207	M151	X	0	0	0	%100
208	M151	Z	0	0	0	%100
209	M152A	X	0	0	0	%100
210	M152A	Z	0	0	0	%100
211	M153B	X	0	0	0	%100
212	M153B	Z	0	0	0	%100
213	M154B	X	0	0	0	%100
214	M154B	Z	0	0	0	%100
215	M155D	X	0	0	0	%100
216	M155D	Z	0	0	0	%100
217	M156D	X	0	0	0	%100
218	M156D	Z	0	0	0	%100
219	M157C	X	.056	.056	0	%100
220	M157C	Z	0	0	0	%100
221	M158C	X	.056	.056	0	%100
222	M158C	Z	0	0	0	%100
223	M159A	X	.056	.056	0	%100
224	M159A	Z	0	0	0	%100
225	M160	X	.056	.056	0	%100
226	M160	Z	0	0	0	%100
227	M161	X	.056	.056	0	%100
228	M161	Z	0	0	0	%100
229	M162B	X	.056	.056	0	%100
230	M162B	Z	0	0	0	%100
231	M163A	X	.056	.056	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
232	M163A	Z	0	0	0	%100
233	M164A	X	.056	.056	0	%100
234	M164A	Z	0	0	0	%100
235	M165	X	.056	.056	0	%100
236	M165	Z	0	0	0	%100
237	M166	X	.056	.056	0	%100
238	M166	Z	0	0	0	%100
239	MP4C	X	.492	.492	0	%100
240	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.177	.177	0	%100
2	M1	Z	.102	.102	0	%100
3	M2	X	.159	.159	0	%100
4	M2	Z	.092	.092	0	%100
5	M3	X	.194	.194	0	%100
6	M3	Z	.112	.112	0	%100
7	M4	X	.68	.68	0	%100
8	M4	Z	.393	.393	0	%100
9	M5	X	.68	.68	0	%100
10	M5	Z	.393	.393	0	%100
11	M6	X	.695	.695	0	%100
12	M6	Z	.401	.401	0	%100
13	M7	X	.695	.695	0	%100
14	M7	Z	.401	.401	0	%100
15	M18	X	.531	.531	0	%100
16	M18	Z	.307	.307	0	%100
17	M19	X	.477	.477	0	%100
18	M19	Z	.275	.275	0	%100
19	M20	X	.583	.583	0	%100
20	M20	Z	.337	.337	0	%100
21	M21	X	.227	.227	0	%100
22	M21	Z	.131	.131	0	%100
23	M22	X	.227	.227	0	%100
24	M22	Z	.131	.131	0	%100
25	M23	X	.232	.232	0	%100
26	M23	Z	.134	.134	0	%100
27	M24	X	.232	.232	0	%100
28	M24	Z	.134	.134	0	%100
29	M35	X	.177	.177	0	%100
30	M35	Z	.102	.102	0	%100
31	M36	X	.159	.159	0	%100
32	M36	Z	.092	.092	0	%100
33	M37	X	.194	.194	0	%100
34	M37	Z	.112	.112	0	%100
35	M38	X	.68	.68	0	%100
36	M38	Z	.393	.393	0	%100
37	M39	X	.68	.68	0	%100
38	M39	Z	.393	.393	0	%100
39	M40	X	.695	.695	0	%100
40	M40	Z	.401	.401	0	%100
41	M41	X	.695	.695	0	%100
42	M41	Z	.401	.401	0	%100
43	M52	X	.531	.531	0	%100
44	M52	Z	.307	.307	0	%100
45	M53	X	.477	.477	0	%100
46	M53	Z	.275	.275	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
47	M54	X	.583	.583	0	%100
48	M54	Z	.337	.337	0	%100
49	M55	X	.227	.227	0	%100
50	M55	Z	.131	.131	0	%100
51	M56	X	.227	.227	0	%100
52	M56	Z	.131	.131	0	%100
53	M57	X	.232	.232	0	%100
54	M57	Z	.134	.134	0	%100
55	M58	X	.232	.232	0	%100
56	M58	Z	.134	.134	0	%100
57	M60	X	.036	.036	0	%100
58	M60	Z	.021	.021	0	%100
59	M61	X	.036	.036	0	%100
60	M61	Z	.021	.021	0	%100
61	M62	X	.036	.036	0	%100
62	M62	Z	.021	.021	0	%100
63	M63	X	.036	.036	0	%100
64	M63	Z	.021	.021	0	%100
65	M69	X	.712	.712	0	%100
66	M69	Z	.411	.411	0	%100
67	M70	X	.003	.003	0	%100
68	M70	Z	.002	.002	0	%100
69	M71	X	.051	.051	0	%100
70	M71	Z	.03	.03	0	%100
71	M72	X	.045	.045	0	%100
72	M72	Z	.026	.026	0	%100
73	M73	X	.712	.712	0	%100
74	M73	Z	.411	.411	0	%100
75	M74	X	.003	.003	0	%100
76	M74	Z	.002	.002	0	%100
77	M75	X	.051	.051	0	%100
78	M75	Z	.03	.03	0	%100
79	M76	X	.045	.045	0	%100
80	M76	Z	.026	.026	0	%100
81	M77	X	.32	.32	0	%100
82	M77	Z	.185	.185	0	%100
83	M90	X	.107	.107	0	%100
84	M90	Z	.062	.062	0	%100
85	M103	X	.32	.32	0	%100
86	M103	Z	.185	.185	0	%100
87	M116	X	.107	.107	0	%100
88	M116	Z	.062	.062	0	%100
89	MP3A	X	.426	.426	0	%100
90	MP3A	Z	.246	.246	0	%100
91	MP1A	X	.426	.426	0	%100
92	MP1A	Z	.246	.246	0	%100
93	M129	X	.028	.028	0	%100
94	M129	Z	.016	.016	0	%100
95	M132	X	.395	.395	0	%100
96	M132	Z	.228	.228	0	%100
97	M135	X	.028	.028	0	%100
98	M135	Z	.016	.016	0	%100
99	M138	X	.395	.395	0	%100
100	M138	Z	.228	.228	0	%100
101	M141	X	.014	.014	0	%100
102	M141	Z	.008	.008	0	%100
103	M142	X	.014	.014	0	%100
104	M142	Z	.008	.008	0	%100
105	M143	X	.042	.042	0	%100



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

	Member Label	Direction	Start Magnitude(lb/ft...)	End Magnitude(lb/ft...)	Start Location(ft,%)	End Location(ft,%)
106	M143	Z	.024	.024	0	%100
107	M144	X	.042	.042	0	%100
108	M144	Z	.024	.024	0	%100
109	M145	X	.014	.014	0	%100
110	M145	Z	.008	.008	0	%100
111	M146	X	.014	.014	0	%100
112	M146	Z	.008	.008	0	%100
113	M147	X	.042	.042	0	%100
114	M147	Z	.024	.024	0	%100
115	M148	X	.042	.042	0	%100
116	M148	Z	.024	.024	0	%100
117	OVP1	X	.349	.349	0	%100
118	OVP1	Z	.201	.201	0	%100
119	MP2D	X	.426	.426	0	%100
120	MP2D	Z	.246	.246	0	%100
121	MP1D	X	.426	.426	0	%100
122	MP1D	Z	.246	.246	0	%100
123	MP2C	X	.426	.426	0	%100
124	MP2C	Z	.246	.246	0	%100
125	MP1C	X	.426	.426	0	%100
126	MP1C	Z	.246	.246	0	%100
127	MP2B	X	.426	.426	0	%100
128	MP2B	Z	.246	.246	0	%100
129	MP1B	X	.426	.426	0	%100
130	MP1B	Z	.246	.246	0	%100
131	MP2A	X	.426	.426	0	%100
132	MP2A	Z	.246	.246	0	%100
133	MP4A	X	.426	.426	0	%100
134	MP4A	Z	.246	.246	0	%100
135	MP3D	X	.426	.426	0	%100
136	MP3D	Z	.246	.246	0	%100
137	MP3C	X	.426	.426	0	%100
138	MP3C	Z	.246	.246	0	%100
139	MP5C	X	.426	.426	0	%100
140	MP5C	Z	.246	.246	0	%100
141	MP3B	X	.426	.426	0	%100
142	MP3B	Z	.246	.246	0	%100
143	MP4B	X	.426	.426	0	%100
144	MP4B	Z	.246	.246	0	%100
145	MP4D	X	.426	.426	0	%100
146	MP4D	Z	.246	.246	0	%100
147	M156B	X	.036	.036	0	%100
148	M156B	Z	.021	.021	0	%100
149	M152	X	.036	.036	0	%100
150	M152	Z	.021	.021	0	%100
151	M153	X	.036	.036	0	%100
152	M153	Z	.021	.021	0	%100
153	M154A	X	.036	.036	0	%100
154	M154A	Z	.021	.021	0	%100
155	M155C	X	.036	.036	0	%100
156	M155C	Z	.021	.021	0	%100
157	M156C	X	.036	.036	0	%100
158	M156C	Z	.021	.021	0	%100
159	M127A	X	.012	.012	0	%100
160	M127A	Z	.007	.007	0	%100
161	M128	X	.012	.012	0	%100
162	M128	Z	.007	.007	0	%100
163	M129B	X	.012	.012	0	%100
164	M129B	Z	.007	.007	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
165	M130B	X	.012	.012	0	%100
166	M130B	Z	.007	.007	0	%100
167	M131A	X	.012	.012	0	%100
168	M131A	Z	.007	.007	0	%100
169	M132A	X	.012	.012	0	%100
170	M132A	Z	.007	.007	0	%100
171	M133A	X	.012	.012	0	%100
172	M133A	Z	.007	.007	0	%100
173	M134A	X	.012	.012	0	%100
174	M134A	Z	.007	.007	0	%100
175	M135A	X	.012	.012	0	%100
176	M135A	Z	.007	.007	0	%100
177	M136A	X	.012	.012	0	%100
178	M136A	Z	.007	.007	0	%100
179	M137A	X	.036	.036	0	%100
180	M137A	Z	.021	.021	0	%100
181	M138B	X	.036	.036	0	%100
182	M138B	Z	.021	.021	0	%100
183	M139B	X	.036	.036	0	%100
184	M139B	Z	.021	.021	0	%100
185	M140A	X	.036	.036	0	%100
186	M140A	Z	.021	.021	0	%100
187	M141B	X	.036	.036	0	%100
188	M141B	Z	.021	.021	0	%100
189	M142B	X	.036	.036	0	%100
190	M142B	Z	.021	.021	0	%100
191	M143A	X	.036	.036	0	%100
192	M143A	Z	.021	.021	0	%100
193	M144A	X	.036	.036	0	%100
194	M144A	Z	.021	.021	0	%100
195	M145A	X	.036	.036	0	%100
196	M145A	Z	.021	.021	0	%100
197	M146A	X	.036	.036	0	%100
198	M146A	Z	.021	.021	0	%100
199	M147A	X	.012	.012	0	%100
200	M147A	Z	.007	.007	0	%100
201	M148A	X	.012	.012	0	%100
202	M148A	Z	.007	.007	0	%100
203	M149A	X	.012	.012	0	%100
204	M149A	Z	.007	.007	0	%100
205	M150B	X	.012	.012	0	%100
206	M150B	Z	.007	.007	0	%100
207	M151	X	.012	.012	0	%100
208	M151	Z	.007	.007	0	%100
209	M152A	X	.012	.012	0	%100
210	M152A	Z	.007	.007	0	%100
211	M153B	X	.012	.012	0	%100
212	M153B	Z	.007	.007	0	%100
213	M154B	X	.012	.012	0	%100
214	M154B	Z	.007	.007	0	%100
215	M155D	X	.012	.012	0	%100
216	M155D	Z	.007	.007	0	%100
217	M156D	X	.012	.012	0	%100
218	M156D	Z	.007	.007	0	%100
219	M157C	X	.036	.036	0	%100
220	M157C	Z	.021	.021	0	%100
221	M158C	X	.036	.036	0	%100
222	M158C	Z	.021	.021	0	%100
223	M159A	X	.036	.036	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
224	M159A	Z	.021	.021	0	%100
225	M160	X	.036	.036	0	%100
226	M160	Z	.021	.021	0	%100
227	M161	X	.036	.036	0	%100
228	M161	Z	.021	.021	0	%100
229	M162B	X	.036	.036	0	%100
230	M162B	Z	.021	.021	0	%100
231	M163A	X	.036	.036	0	%100
232	M163A	Z	.021	.021	0	%100
233	M164A	X	.036	.036	0	%100
234	M164A	Z	.021	.021	0	%100
235	M165	X	.036	.036	0	%100
236	M165	Z	.021	.021	0	%100
237	M166	X	.036	.036	0	%100
238	M166	Z	.021	.021	0	%100
239	MP4C	X	.426	.426	0	%100
240	MP4C	Z	.246	.246	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.307	.307	0	%100
2	M1	Z	.531	.531	0	%100
3	M2	X	.275	.275	0	%100
4	M2	Z	.477	.477	0	%100
5	M3	X	.337	.337	0	%100
6	M3	Z	.583	.583	0	%100
7	M4	X	.131	.131	0	%100
8	M4	Z	.227	.227	0	%100
9	M5	X	.131	.131	0	%100
10	M5	Z	.227	.227	0	%100
11	M6	X	.134	.134	0	%100
12	M6	Z	.232	.232	0	%100
13	M7	X	.134	.134	0	%100
14	M7	Z	.232	.232	0	%100
15	M18	X	.102	.102	0	%100
16	M18	Z	.177	.177	0	%100
17	M19	X	.092	.092	0	%100
18	M19	Z	.159	.159	0	%100
19	M20	X	.112	.112	0	%100
20	M20	Z	.194	.194	0	%100
21	M21	X	.393	.393	0	%100
22	M21	Z	.68	.68	0	%100
23	M22	X	.393	.393	0	%100
24	M22	Z	.68	.68	0	%100
25	M23	X	.401	.401	0	%100
26	M23	Z	.695	.695	0	%100
27	M24	X	.401	.401	0	%100
28	M24	Z	.695	.695	0	%100
29	M35	X	.307	.307	0	%100
30	M35	Z	.531	.531	0	%100
31	M36	X	.275	.275	0	%100
32	M36	Z	.477	.477	0	%100
33	M37	X	.337	.337	0	%100
34	M37	Z	.583	.583	0	%100
35	M38	X	.131	.131	0	%100
36	M38	Z	.227	.227	0	%100
37	M39	X	.131	.131	0	%100
38	M39	Z	.227	.227	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
98	M135	Z	.028	.028	0	%100
99	M138	X	.228	.228	0	%100
100	M138	Z	.395	.395	0	%100
101	M141	X	.024	.024	0	%100
102	M141	Z	.042	.042	0	%100
103	M142	X	.024	.024	0	%100
104	M142	Z	.042	.042	0	%100
105	M143	X	.008	.008	0	%100
106	M143	Z	.014	.014	0	%100
107	M144	X	.008	.008	0	%100
108	M144	Z	.014	.014	0	%100
109	M145	X	.024	.024	0	%100
110	M145	Z	.042	.042	0	%100
111	M146	X	.024	.024	0	%100
112	M146	Z	.042	.042	0	%100
113	M147	X	.008	.008	0	%100
114	M147	Z	.014	.014	0	%100
115	M148	X	.008	.008	0	%100
116	M148	Z	.014	.014	0	%100
117	OVP1	X	.201	.201	0	%100
118	OVP1	Z	.349	.349	0	%100
119	MP2D	X	.246	.246	0	%100
120	MP2D	Z	.426	.426	0	%100
121	MP1D	X	.246	.246	0	%100
122	MP1D	Z	.426	.426	0	%100
123	MP2C	X	.246	.246	0	%100
124	MP2C	Z	.426	.426	0	%100
125	MP1C	X	.246	.246	0	%100
126	MP1C	Z	.426	.426	0	%100
127	MP2B	X	.246	.246	0	%100
128	MP2B	Z	.426	.426	0	%100
129	MP1B	X	.246	.246	0	%100
130	MP1B	Z	.426	.426	0	%100
131	MP2A	X	.246	.246	0	%100
132	MP2A	Z	.426	.426	0	%100
133	MP4A	X	.246	.246	0	%100
134	MP4A	Z	.426	.426	0	%100
135	MP3D	X	.246	.246	0	%100
136	MP3D	Z	.426	.426	0	%100
137	MP3C	X	.246	.246	0	%100
138	MP3C	Z	.426	.426	0	%100
139	MP5C	X	.246	.246	0	%100
140	MP5C	Z	.426	.426	0	%100
141	MP3B	X	.246	.246	0	%100
142	MP3B	Z	.426	.426	0	%100
143	MP4B	X	.246	.246	0	%100
144	MP4B	Z	.426	.426	0	%100
145	MP4D	X	.246	.246	0	%100
146	MP4D	Z	.426	.426	0	%100
147	M156B	X	.007	.007	0	%100
148	M156B	Z	.012	.012	0	%100
149	M152	X	.007	.007	0	%100
150	M152	Z	.012	.012	0	%100
151	M153	X	.007	.007	0	%100
152	M153	Z	.012	.012	0	%100
153	M154A	X	.007	.007	0	%100
154	M154A	Z	.012	.012	0	%100
155	M155C	X	.007	.007	0	%100
156	M155C	Z	.012	.012	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
157	M156C	X	.007	.007	0	%100
158	M156C	Z	.012	.012	0	%100
159	M127A	X	.021	.021	0	%100
160	M127A	Z	.036	.036	0	%100
161	M128	X	.021	.021	0	%100
162	M128	Z	.036	.036	0	%100
163	M129B	X	.021	.021	0	%100
164	M129B	Z	.036	.036	0	%100
165	M130B	X	.021	.021	0	%100
166	M130B	Z	.036	.036	0	%100
167	M131A	X	.021	.021	0	%100
168	M131A	Z	.036	.036	0	%100
169	M132A	X	.021	.021	0	%100
170	M132A	Z	.036	.036	0	%100
171	M133A	X	.021	.021	0	%100
172	M133A	Z	.036	.036	0	%100
173	M134A	X	.021	.021	0	%100
174	M134A	Z	.036	.036	0	%100
175	M135A	X	.021	.021	0	%100
176	M135A	Z	.036	.036	0	%100
177	M136A	X	.021	.021	0	%100
178	M136A	Z	.036	.036	0	%100
179	M137A	X	.007	.007	0	%100
180	M137A	Z	.012	.012	0	%100
181	M138B	X	.007	.007	0	%100
182	M138B	Z	.012	.012	0	%100
183	M139B	X	.007	.007	0	%100
184	M139B	Z	.012	.012	0	%100
185	M140A	X	.007	.007	0	%100
186	M140A	Z	.012	.012	0	%100
187	M141B	X	.007	.007	0	%100
188	M141B	Z	.012	.012	0	%100
189	M142B	X	.007	.007	0	%100
190	M142B	Z	.012	.012	0	%100
191	M143A	X	.007	.007	0	%100
192	M143A	Z	.012	.012	0	%100
193	M144A	X	.007	.007	0	%100
194	M144A	Z	.012	.012	0	%100
195	M145A	X	.007	.007	0	%100
196	M145A	Z	.012	.012	0	%100
197	M146A	X	.007	.007	0	%100
198	M146A	Z	.012	.012	0	%100
199	M147A	X	.021	.021	0	%100
200	M147A	Z	.036	.036	0	%100
201	M148A	X	.021	.021	0	%100
202	M148A	Z	.036	.036	0	%100
203	M149A	X	.021	.021	0	%100
204	M149A	Z	.036	.036	0	%100
205	M150B	X	.021	.021	0	%100
206	M150B	Z	.036	.036	0	%100
207	M151	X	.021	.021	0	%100
208	M151	Z	.036	.036	0	%100
209	M152A	X	.021	.021	0	%100
210	M152A	Z	.036	.036	0	%100
211	M153B	X	.021	.021	0	%100
212	M153B	Z	.036	.036	0	%100
213	M154B	X	.021	.021	0	%100
214	M154B	Z	.036	.036	0	%100
215	M155D	X	.021	.021	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
216	M155D	Z	.036	.036	0	%100
217	M156D	X	.021	.021	0	%100
218	M156D	Z	.036	.036	0	%100
219	M157C	X	.007	.007	0	%100
220	M157C	Z	.012	.012	0	%100
221	M158C	X	.007	.007	0	%100
222	M158C	Z	.012	.012	0	%100
223	M159A	X	.007	.007	0	%100
224	M159A	Z	.012	.012	0	%100
225	M160	X	.007	.007	0	%100
226	M160	Z	.012	.012	0	%100
227	M161	X	.007	.007	0	%100
228	M161	Z	.012	.012	0	%100
229	M162B	X	.007	.007	0	%100
230	M162B	Z	.012	.012	0	%100
231	M163A	X	.007	.007	0	%100
232	M163A	Z	.012	.012	0	%100
233	M164A	X	.007	.007	0	%100
234	M164A	Z	.012	.012	0	%100
235	M165	X	.007	.007	0	%100
236	M165	Z	.012	.012	0	%100
237	M166	X	.007	.007	0	%100
238	M166	Z	.012	.012	0	%100
239	MP4C	X	.246	.246	0	%100
240	MP4C	Z	.426	.426	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	.818	.818	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.734	.734	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.898	.898	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	1.047	1.047	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	1.047	1.047	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	1.07	1.07	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	1.07	1.07	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	.818	.818	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
31	M36	X	0	0	%100
32	M36	Z	.734	.734	%100
33	M37	X	0	0	%100
34	M37	Z	.898	.898	%100
35	M38	X	0	0	%100
36	M38	Z	0	0	%100
37	M39	X	0	0	%100
38	M39	Z	0	0	%100
39	M40	X	0	0	%100
40	M40	Z	0	0	%100
41	M41	X	0	0	%100
42	M41	Z	0	0	%100
43	M52	X	0	0	%100
44	M52	Z	0	0	%100
45	M53	X	0	0	%100
46	M53	Z	0	0	%100
47	M54	X	0	0	%100
48	M54	Z	0	0	%100
49	M55	X	0	0	%100
50	M55	Z	1.047	1.047	%100
51	M56	X	0	0	%100
52	M56	Z	1.047	1.047	%100
53	M57	X	0	0	%100
54	M57	Z	1.07	1.07	%100
55	M58	X	0	0	%100
56	M58	Z	1.07	1.07	%100
57	M60	X	0	0	%100
58	M60	Z	0	0	%100
59	M61	X	0	0	%100
60	M61	Z	0	0	%100
61	M62	X	0	0	%100
62	M62	Z	0	0	%100
63	M63	X	0	0	%100
64	M63	Z	0	0	%100
65	M69	X	0	0	%100
66	M69	Z	.441	.441	%100
67	M70	X	0	0	%100
68	M70	Z	.028	.028	%100
69	M71	X	0	0	%100
70	M71	Z	.441	.441	%100
71	M72	X	0	0	%100
72	M72	Z	.028	.028	%100
73	M73	X	0	0	%100
74	M73	Z	.441	.441	%100
75	M74	X	0	0	%100
76	M74	Z	.028	.028	%100
77	M75	X	0	0	%100
78	M75	Z	.441	.441	%100
79	M76	X	0	0	%100
80	M76	Z	.028	.028	%100
81	M77	X	0	0	%100
82	M77	Z	0	0	%100
83	M90	X	0	0	%100
84	M90	Z	.492	.492	%100
85	M103	X	0	0	%100
86	M103	Z	0	0	%100
87	M116	X	0	0	%100
88	M116	Z	.492	.492	%100
89	MP3A	X	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
90	MP3A	Z	.492	.492	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	.492	.492	0	%100
93	M129	X	0	0	0	%100
94	M129	Z	.244	.244	0	%100
95	M132	X	0	0	0	%100
96	M132	Z	.244	.244	0	%100
97	M135	X	0	0	0	%100
98	M135	Z	.244	.244	0	%100
99	M138	X	0	0	0	%100
100	M138	Z	.244	.244	0	%100
101	M141	X	0	0	0	%100
102	M141	Z	.064	.064	0	%100
103	M142	X	0	0	0	%100
104	M142	Z	.064	.064	0	%100
105	M143	X	0	0	0	%100
106	M143	Z	0	0	0	%100
107	M144	X	0	0	0	%100
108	M144	Z	0	0	0	%100
109	M145	X	0	0	0	%100
110	M145	Z	.064	.064	0	%100
111	M146	X	0	0	0	%100
112	M146	Z	.064	.064	0	%100
113	M147	X	0	0	0	%100
114	M147	Z	0	0	0	%100
115	M148	X	0	0	0	%100
116	M148	Z	0	0	0	%100
117	OVP1	X	0	0	0	%100
118	OVP1	Z	.402	.402	0	%100
119	MP2D	X	0	0	0	%100
120	MP2D	Z	.492	.492	0	%100
121	MP1D	X	0	0	0	%100
122	MP1D	Z	.492	.492	0	%100
123	MP2C	X	0	0	0	%100
124	MP2C	Z	.492	.492	0	%100
125	MP1C	X	0	0	0	%100
126	MP1C	Z	.492	.492	0	%100
127	MP2B	X	0	0	0	%100
128	MP2B	Z	.492	.492	0	%100
129	MP1B	X	0	0	0	%100
130	MP1B	Z	.492	.492	0	%100
131	MP2A	X	0	0	0	%100
132	MP2A	Z	.492	.492	0	%100
133	MP4A	X	0	0	0	%100
134	MP4A	Z	.492	.492	0	%100
135	MP3D	X	0	0	0	%100
136	MP3D	Z	.492	.492	0	%100
137	MP3C	X	0	0	0	%100
138	MP3C	Z	.492	.492	0	%100
139	MP5C	X	0	0	0	%100
140	MP5C	Z	.492	.492	0	%100
141	MP3B	X	0	0	0	%100
142	MP3B	Z	.492	.492	0	%100
143	MP4B	X	0	0	0	%100
144	MP4B	Z	.492	.492	0	%100
145	MP4D	X	0	0	0	%100
146	MP4D	Z	.492	.492	0	%100
147	M156B	X	0	0	0	%100
148	M156B	Z	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....]	Start Location[ft.%]	End Location[ft.%]
208	M151	Z	.056	.056	0	%100
209	M152A	X	0	0	0	%100
210	M152A	Z	.056	.056	0	%100
211	M153B	X	0	0	0	%100
212	M153B	Z	.056	.056	0	%100
213	M154B	X	0	0	0	%100
214	M154B	Z	.056	.056	0	%100
215	M155D	X	0	0	0	%100
216	M155D	Z	.056	.056	0	%100
217	M156D	X	0	0	0	%100
218	M156D	Z	.056	.056	0	%100
219	M157C	X	0	0	0	%100
220	M157C	Z	0	0	0	%100
221	M158C	X	0	0	0	%100
222	M158C	Z	0	0	0	%100
223	M159A	X	0	0	0	%100
224	M159A	Z	0	0	0	%100
225	M160	X	0	0	0	%100
226	M160	Z	0	0	0	%100
227	M161	X	0	0	0	%100
228	M161	Z	0	0	0	%100
229	M162B	X	0	0	0	%100
230	M162B	Z	0	0	0	%100
231	M163A	X	0	0	0	%100
232	M163A	Z	0	0	0	%100
233	M164A	X	0	0	0	%100
234	M164A	Z	0	0	0	%100
235	M165	X	0	0	0	%100
236	M165	Z	0	0	0	%100
237	M166	X	0	0	0	%100
238	M166	Z	0	0	0	%100
239	MP4C	X	0	0	0	%100
240	MP4C	Z	.492	.492	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.307	-.307	0	%100
2	M1	Z	.531	.531	0	%100
3	M2	X	-.275	-.275	0	%100
4	M2	Z	.477	.477	0	%100
5	M3	X	-.337	-.337	0	%100
6	M3	Z	.583	.583	0	%100
7	M4	X	-.131	-.131	0	%100
8	M4	Z	.227	.227	0	%100
9	M5	X	-.131	-.131	0	%100
10	M5	Z	.227	.227	0	%100
11	M6	X	-.134	-.134	0	%100
12	M6	Z	.232	.232	0	%100
13	M7	X	-.134	-.134	0	%100
14	M7	Z	.232	.232	0	%100
15	M18	X	-.102	-.102	0	%100
16	M18	Z	.177	.177	0	%100
17	M19	X	-.092	-.092	0	%100
18	M19	Z	.159	.159	0	%100
19	M20	X	-.112	-.112	0	%100
20	M20	Z	.194	.194	0	%100
21	M21	X	-.393	-.393	0	%100
22	M21	Z	.68	.68	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
23	M22	X	-.393	-.393	0	%100
24	M22	Z	.68	.68	0	%100
25	M23	X	-.401	-.401	0	%100
26	M23	Z	.695	.695	0	%100
27	M24	X	-.401	-.401	0	%100
28	M24	Z	.695	.695	0	%100
29	M35	X	-.307	-.307	0	%100
30	M35	Z	.531	.531	0	%100
31	M36	X	-.275	-.275	0	%100
32	M36	Z	.477	.477	0	%100
33	M37	X	-.337	-.337	0	%100
34	M37	Z	.583	.583	0	%100
35	M38	X	-.131	-.131	0	%100
36	M38	Z	.227	.227	0	%100
37	M39	X	-.131	-.131	0	%100
38	M39	Z	.227	.227	0	%100
39	M40	X	-.134	-.134	0	%100
40	M40	Z	.232	.232	0	%100
41	M41	X	-.134	-.134	0	%100
42	M41	Z	.232	.232	0	%100
43	M52	X	-.102	-.102	0	%100
44	M52	Z	.177	.177	0	%100
45	M53	X	-.092	-.092	0	%100
46	M53	Z	.159	.159	0	%100
47	M54	X	-.112	-.112	0	%100
48	M54	Z	.194	.194	0	%100
49	M55	X	-.393	-.393	0	%100
50	M55	Z	.68	.68	0	%100
51	M56	X	-.393	-.393	0	%100
52	M56	Z	.68	.68	0	%100
53	M57	X	-.401	-.401	0	%100
54	M57	Z	.695	.695	0	%100
55	M58	X	-.401	-.401	0	%100
56	M58	Z	.695	.695	0	%100
57	M60	X	-.007	-.007	0	%100
58	M60	Z	.012	.012	0	%100
59	M61	X	-.007	-.007	0	%100
60	M61	Z	.012	.012	0	%100
61	M62	X	-.007	-.007	0	%100
62	M62	Z	.012	.012	0	%100
63	M63	X	-.007	-.007	0	%100
64	M63	Z	.012	.012	0	%100
65	M69	X	-.03	-.03	0	%100
66	M69	Z	.051	.051	0	%100
67	M70	X	-.026	-.026	0	%100
68	M70	Z	.045	.045	0	%100
69	M71	X	-.411	-.411	0	%100
70	M71	Z	.712	.712	0	%100
71	M72	X	-.002	-.002	0	%100
72	M72	Z	.003	.003	0	%100
73	M73	X	-.03	-.03	0	%100
74	M73	Z	.051	.051	0	%100
75	M74	X	-.026	-.026	0	%100
76	M74	Z	.045	.045	0	%100
77	M75	X	-.411	-.411	0	%100
78	M75	Z	.712	.712	0	%100
79	M76	X	-.002	-.002	0	%100
80	M76	Z	.003	.003	0	%100
81	M77	X	-.062	-.062	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft,%]	End Location[ft,%]
82	M77	Z	.107	.107	0	%100
83	M90	X	-.185	-.185	0	%100
84	M90	Z	.32	.32	0	%100
85	M103	X	-.062	-.062	0	%100
86	M103	Z	.107	.107	0	%100
87	M116	X	-.185	-.185	0	%100
88	M116	Z	.32	.32	0	%100
89	MP3A	X	-.246	-.246	0	%100
90	MP3A	Z	.426	.426	0	%100
91	MP1A	X	-.246	-.246	0	%100
92	MP1A	Z	.426	.426	0	%100
93	M129	X	-.228	-.228	0	%100
94	M129	Z	.395	.395	0	%100
95	M132	X	-.016	-.016	0	%100
96	M132	Z	.028	.028	0	%100
97	M135	X	-.228	-.228	0	%100
98	M135	Z	.395	.395	0	%100
99	M138	X	-.016	-.016	0	%100
100	M138	Z	.028	.028	0	%100
101	M141	X	-.024	-.024	0	%100
102	M141	Z	.042	.042	0	%100
103	M142	X	-.024	-.024	0	%100
104	M142	Z	.042	.042	0	%100
105	M143	X	-.008	-.008	0	%100
106	M143	Z	.014	.014	0	%100
107	M144	X	-.008	-.008	0	%100
108	M144	Z	.014	.014	0	%100
109	M145	X	-.024	-.024	0	%100
110	M145	Z	.042	.042	0	%100
111	M146	X	-.024	-.024	0	%100
112	M146	Z	.042	.042	0	%100
113	M147	X	-.008	-.008	0	%100
114	M147	Z	.014	.014	0	%100
115	M148	X	-.008	-.008	0	%100
116	M148	Z	.014	.014	0	%100
117	OVP1	X	-.201	-.201	0	%100
118	OVP1	Z	.349	.349	0	%100
119	MP2D	X	-.246	-.246	0	%100
120	MP2D	Z	.426	.426	0	%100
121	MP1D	X	-.246	-.246	0	%100
122	MP1D	Z	.426	.426	0	%100
123	MP2C	X	-.246	-.246	0	%100
124	MP2C	Z	.426	.426	0	%100
125	MP1C	X	-.246	-.246	0	%100
126	MP1C	Z	.426	.426	0	%100
127	MP2B	X	-.246	-.246	0	%100
128	MP2B	Z	.426	.426	0	%100
129	MP1B	X	-.246	-.246	0	%100
130	MP1B	Z	.426	.426	0	%100
131	MP2A	X	-.246	-.246	0	%100
132	MP2A	Z	.426	.426	0	%100
133	MP4A	X	-.246	-.246	0	%100
134	MP4A	Z	.426	.426	0	%100
135	MP3D	X	-.246	-.246	0	%100
136	MP3D	Z	.426	.426	0	%100
137	MP3C	X	-.246	-.246	0	%100
138	MP3C	Z	.426	.426	0	%100
139	MP5C	X	-.246	-.246	0	%100
140	MP5C	Z	.426	.426	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
141	MP3B	X	-.246	-.246	0 %100
142	MP3B	Z	.426	.426	0 %100
143	MP4B	X	-.246	-.246	0 %100
144	MP4B	Z	.426	.426	0 %100
145	MP4D	X	-.246	-.246	0 %100
146	MP4D	Z	.426	.426	0 %100
147	M156B	X	-.007	-.007	0 %100
148	M156B	Z	.012	.012	0 %100
149	M152	X	-.007	-.007	0 %100
150	M152	Z	.012	.012	0 %100
151	M153	X	-.007	-.007	0 %100
152	M153	Z	.012	.012	0 %100
153	M154A	X	-.007	-.007	0 %100
154	M154A	Z	.012	.012	0 %100
155	M155C	X	-.007	-.007	0 %100
156	M155C	Z	.012	.012	0 %100
157	M156C	X	-.007	-.007	0 %100
158	M156C	Z	.012	.012	0 %100
159	M127A	X	-.021	-.021	0 %100
160	M127A	Z	.036	.036	0 %100
161	M128	X	-.021	-.021	0 %100
162	M128	Z	.036	.036	0 %100
163	M129B	X	-.021	-.021	0 %100
164	M129B	Z	.036	.036	0 %100
165	M130B	X	-.021	-.021	0 %100
166	M130B	Z	.036	.036	0 %100
167	M131A	X	-.021	-.021	0 %100
168	M131A	Z	.036	.036	0 %100
169	M132A	X	-.021	-.021	0 %100
170	M132A	Z	.036	.036	0 %100
171	M133A	X	-.021	-.021	0 %100
172	M133A	Z	.036	.036	0 %100
173	M134A	X	-.021	-.021	0 %100
174	M134A	Z	.036	.036	0 %100
175	M135A	X	-.021	-.021	0 %100
176	M135A	Z	.036	.036	0 %100
177	M136A	X	-.021	-.021	0 %100
178	M136A	Z	.036	.036	0 %100
179	M137A	X	-.007	-.007	0 %100
180	M137A	Z	.012	.012	0 %100
181	M138B	X	-.007	-.007	0 %100
182	M138B	Z	.012	.012	0 %100
183	M139B	X	-.007	-.007	0 %100
184	M139B	Z	.012	.012	0 %100
185	M140A	X	-.007	-.007	0 %100
186	M140A	Z	.012	.012	0 %100
187	M141B	X	-.007	-.007	0 %100
188	M141B	Z	.012	.012	0 %100
189	M142B	X	-.007	-.007	0 %100
190	M142B	Z	.012	.012	0 %100
191	M143A	X	-.007	-.007	0 %100
192	M143A	Z	.012	.012	0 %100
193	M144A	X	-.007	-.007	0 %100
194	M144A	Z	.012	.012	0 %100
195	M145A	X	-.007	-.007	0 %100
196	M145A	Z	.012	.012	0 %100
197	M146A	X	-.007	-.007	0 %100
198	M146A	Z	.012	.012	0 %100
199	M147A	X	-.021	-.021	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft...]	Start Location[ft,%]	End Location[ft,%]
200	M147A	Z	.036	.036	0	%100
201	M148A	X	-.021	-.021	0	%100
202	M148A	Z	.036	.036	0	%100
203	M149A	X	-.021	-.021	0	%100
204	M149A	Z	.036	.036	0	%100
205	M150B	X	-.021	-.021	0	%100
206	M150B	Z	.036	.036	0	%100
207	M151	X	-.021	-.021	0	%100
208	M151	Z	.036	.036	0	%100
209	M152A	X	-.021	-.021	0	%100
210	M152A	Z	.036	.036	0	%100
211	M153B	X	-.021	-.021	0	%100
212	M153B	Z	.036	.036	0	%100
213	M154B	X	-.021	-.021	0	%100
214	M154B	Z	.036	.036	0	%100
215	M155D	X	-.021	-.021	0	%100
216	M155D	Z	.036	.036	0	%100
217	M156D	X	-.021	-.021	0	%100
218	M156D	Z	.036	.036	0	%100
219	M157C	X	-.007	-.007	0	%100
220	M157C	Z	.012	.012	0	%100
221	M158C	X	-.007	-.007	0	%100
222	M158C	Z	.012	.012	0	%100
223	M159A	X	-.007	-.007	0	%100
224	M159A	Z	.012	.012	0	%100
225	M160	X	-.007	-.007	0	%100
226	M160	Z	.012	.012	0	%100
227	M161	X	-.007	-.007	0	%100
228	M161	Z	.012	.012	0	%100
229	M162B	X	-.007	-.007	0	%100
230	M162B	Z	.012	.012	0	%100
231	M163A	X	-.007	-.007	0	%100
232	M163A	Z	.012	.012	0	%100
233	M164A	X	-.007	-.007	0	%100
234	M164A	Z	.012	.012	0	%100
235	M165	X	-.007	-.007	0	%100
236	M165	Z	.012	.012	0	%100
237	M166	X	-.007	-.007	0	%100
238	M166	Z	.012	.012	0	%100
239	MP4C	X	-.246	-.246	0	%100
240	MP4C	Z	.426	.426	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft...]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.177	-.177	0	%100
2	M1	Z	.102	.102	0	%100
3	M2	X	-.159	-.159	0	%100
4	M2	Z	.092	.092	0	%100
5	M3	X	-.194	-.194	0	%100
6	M3	Z	.112	.112	0	%100
7	M4	X	-.68	-.68	0	%100
8	M4	Z	.393	.393	0	%100
9	M5	X	-.68	-.68	0	%100
10	M5	Z	.393	.393	0	%100
11	M6	X	-.695	-.695	0	%100
12	M6	Z	.401	.401	0	%100
13	M7	X	-.695	-.695	0	%100
14	M7	Z	.401	.401	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location(ft,%)	End Location(ft,%)
15	M18	X	-.531	-.531	0	%100
16	M18	Z	.307	.307	0	%100
17	M19	X	-.477	-.477	0	%100
18	M19	Z	.275	.275	0	%100
19	M20	X	-.583	-.583	0	%100
20	M20	Z	.337	.337	0	%100
21	M21	X	-.227	-.227	0	%100
22	M21	Z	.131	.131	0	%100
23	M22	X	-.227	-.227	0	%100
24	M22	Z	.131	.131	0	%100
25	M23	X	-.232	-.232	0	%100
26	M23	Z	.134	.134	0	%100
27	M24	X	-.232	-.232	0	%100
28	M24	Z	.134	.134	0	%100
29	M35	X	-.177	-.177	0	%100
30	M35	Z	.102	.102	0	%100
31	M36	X	-.159	-.159	0	%100
32	M36	Z	.092	.092	0	%100
33	M37	X	-.194	-.194	0	%100
34	M37	Z	.112	.112	0	%100
35	M38	X	-.68	-.68	0	%100
36	M38	Z	.393	.393	0	%100
37	M39	X	-.68	-.68	0	%100
38	M39	Z	.393	.393	0	%100
39	M40	X	-.695	-.695	0	%100
40	M40	Z	.401	.401	0	%100
41	M41	X	-.695	-.695	0	%100
42	M41	Z	.401	.401	0	%100
43	M52	X	-.531	-.531	0	%100
44	M52	Z	.307	.307	0	%100
45	M53	X	-.477	-.477	0	%100
46	M53	Z	.275	.275	0	%100
47	M54	X	-.583	-.583	0	%100
48	M54	Z	.337	.337	0	%100
49	M55	X	-.227	-.227	0	%100
50	M55	Z	.131	.131	0	%100
51	M56	X	-.227	-.227	0	%100
52	M56	Z	.131	.131	0	%100
53	M57	X	-.232	-.232	0	%100
54	M57	Z	.134	.134	0	%100
55	M58	X	-.232	-.232	0	%100
56	M58	Z	.134	.134	0	%100
57	M60	X	-.036	-.036	0	%100
58	M60	Z	.021	.021	0	%100
59	M61	X	-.036	-.036	0	%100
60	M61	Z	.021	.021	0	%100
61	M62	X	-.036	-.036	0	%100
62	M62	Z	.021	.021	0	%100
63	M63	X	-.036	-.036	0	%100
64	M63	Z	.021	.021	0	%100
65	M69	X	-.051	-.051	0	%100
66	M69	Z	.03	.03	0	%100
67	M70	X	-.045	-.045	0	%100
68	M70	Z	.026	.026	0	%100
69	M71	X	-.712	-.712	0	%100
70	M71	Z	.411	.411	0	%100
71	M72	X	-.003	-.003	0	%100
72	M72	Z	.002	.002	0	%100
73	M73	X	-.051	-.051	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
74	M73	Z	.03	.03	0	%100
75	M74	X	-.045	-.045	0	%100
76	M74	Z	.026	.026	0	%100
77	M75	X	-.712	-.712	0	%100
78	M75	Z	.411	.411	0	%100
79	M76	X	-.003	-.003	0	%100
80	M76	Z	.002	.002	0	%100
81	M77	X	-.32	-.32	0	%100
82	M77	Z	.185	.185	0	%100
83	M90	X	-.107	-.107	0	%100
84	M90	Z	.062	.062	0	%100
85	M103	X	-.32	-.32	0	%100
86	M103	Z	.185	.185	0	%100
87	M116	X	-.107	-.107	0	%100
88	M116	Z	.062	.062	0	%100
89	MP3A	X	-.426	-.426	0	%100
90	MP3A	Z	.246	.246	0	%100
91	MP1A	X	-.426	-.426	0	%100
92	MP1A	Z	.246	.246	0	%100
93	M129	X	-.395	-.395	0	%100
94	M129	Z	.228	.228	0	%100
95	M132	X	-.028	-.028	0	%100
96	M132	Z	.016	.016	0	%100
97	M135	X	-.395	-.395	0	%100
98	M135	Z	.228	.228	0	%100
99	M138	X	-.028	-.028	0	%100
100	M138	Z	.016	.016	0	%100
101	M141	X	-.014	-.014	0	%100
102	M141	Z	.008	.008	0	%100
103	M142	X	-.014	-.014	0	%100
104	M142	Z	.008	.008	0	%100
105	M143	X	-.042	-.042	0	%100
106	M143	Z	.024	.024	0	%100
107	M144	X	-.042	-.042	0	%100
108	M144	Z	.024	.024	0	%100
109	M145	X	-.014	-.014	0	%100
110	M145	Z	.008	.008	0	%100
111	M146	X	-.014	-.014	0	%100
112	M146	Z	.008	.008	0	%100
113	M147	X	-.042	-.042	0	%100
114	M147	Z	.024	.024	0	%100
115	M148	X	-.042	-.042	0	%100
116	M148	Z	.024	.024	0	%100
117	OVP1	X	-.349	-.349	0	%100
118	OVP1	Z	.201	.201	0	%100
119	MP2D	X	-.426	-.426	0	%100
120	MP2D	Z	.246	.246	0	%100
121	MP1D	X	-.426	-.426	0	%100
122	MP1D	Z	.246	.246	0	%100
123	MP2C	X	-.426	-.426	0	%100
124	MP2C	Z	.246	.246	0	%100
125	MP1C	X	-.426	-.426	0	%100
126	MP1C	Z	.246	.246	0	%100
127	MP2B	X	-.426	-.426	0	%100
128	MP2B	Z	.246	.246	0	%100
129	MP1B	X	-.426	-.426	0	%100
130	MP1B	Z	.246	.246	0	%100
131	MP2A	X	-.426	-.426	0	%100
132	MP2A	Z	.246	.246	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
133	MP4A	X	-.426	-.426	0 %100
134	MP4A	Z	.246	.246	0 %100
135	MP3D	X	-.426	-.426	0 %100
136	MP3D	Z	.246	.246	0 %100
137	MP3C	X	-.426	-.426	0 %100
138	MP3C	Z	.246	.246	0 %100
139	MP5C	X	-.426	-.426	0 %100
140	MP5C	Z	.246	.246	0 %100
141	MP3B	X	-.426	-.426	0 %100
142	MP3B	Z	.246	.246	0 %100
143	MP4B	X	-.426	-.426	0 %100
144	MP4B	Z	.246	.246	0 %100
145	MP4D	X	-.426	-.426	0 %100
146	MP4D	Z	.246	.246	0 %100
147	M156B	X	-.036	-.036	0 %100
148	M156B	Z	.021	.021	0 %100
149	M152	X	-.036	-.036	0 %100
150	M152	Z	.021	.021	0 %100
151	M153	X	-.036	-.036	0 %100
152	M153	Z	.021	.021	0 %100
153	M154A	X	-.036	-.036	0 %100
154	M154A	Z	.021	.021	0 %100
155	M155C	X	-.036	-.036	0 %100
156	M155C	Z	.021	.021	0 %100
157	M156C	X	-.036	-.036	0 %100
158	M156C	Z	.021	.021	0 %100
159	M127A	X	-.012	-.012	0 %100
160	M127A	Z	.007	.007	0 %100
161	M128	X	-.012	-.012	0 %100
162	M128	Z	.007	.007	0 %100
163	M129B	X	-.012	-.012	0 %100
164	M129B	Z	.007	.007	0 %100
165	M130B	X	-.012	-.012	0 %100
166	M130B	Z	.007	.007	0 %100
167	M131A	X	-.012	-.012	0 %100
168	M131A	Z	.007	.007	0 %100
169	M132A	X	-.012	-.012	0 %100
170	M132A	Z	.007	.007	0 %100
171	M133A	X	-.012	-.012	0 %100
172	M133A	Z	.007	.007	0 %100
173	M134A	X	-.012	-.012	0 %100
174	M134A	Z	.007	.007	0 %100
175	M135A	X	-.012	-.012	0 %100
176	M135A	Z	.007	.007	0 %100
177	M136A	X	-.012	-.012	0 %100
178	M136A	Z	.007	.007	0 %100
179	M137A	X	-.036	-.036	0 %100
180	M137A	Z	.021	.021	0 %100
181	M138B	X	-.036	-.036	0 %100
182	M138B	Z	.021	.021	0 %100
183	M139B	X	-.036	-.036	0 %100
184	M139B	Z	.021	.021	0 %100
185	M140A	X	-.036	-.036	0 %100
186	M140A	Z	.021	.021	0 %100
187	M141B	X	-.036	-.036	0 %100
188	M141B	Z	.021	.021	0 %100
189	M142B	X	-.036	-.036	0 %100
190	M142B	Z	.021	.021	0 %100
191	M143A	X	-.036	-.036	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
192	M143A	Z	.021	.021	0	%100
193	M144A	X	-.036	-.036	0	%100
194	M144A	Z	.021	.021	0	%100
195	M145A	X	-.036	-.036	0	%100
196	M145A	Z	.021	.021	0	%100
197	M146A	X	-.036	-.036	0	%100
198	M146A	Z	.021	.021	0	%100
199	M147A	X	-.012	-.012	0	%100
200	M147A	Z	.007	.007	0	%100
201	M148A	X	-.012	-.012	0	%100
202	M148A	Z	.007	.007	0	%100
203	M149A	X	-.012	-.012	0	%100
204	M149A	Z	.007	.007	0	%100
205	M150B	X	-.012	-.012	0	%100
206	M150B	Z	.007	.007	0	%100
207	M151	X	-.012	-.012	0	%100
208	M151	Z	.007	.007	0	%100
209	M152A	X	-.012	-.012	0	%100
210	M152A	Z	.007	.007	0	%100
211	M153B	X	-.012	-.012	0	%100
212	M153B	Z	.007	.007	0	%100
213	M154B	X	-.012	-.012	0	%100
214	M154B	Z	.007	.007	0	%100
215	M155D	X	-.012	-.012	0	%100
216	M155D	Z	.007	.007	0	%100
217	M156D	X	-.012	-.012	0	%100
218	M156D	Z	.007	.007	0	%100
219	M157C	X	-.036	-.036	0	%100
220	M157C	Z	.021	.021	0	%100
221	M158C	X	-.036	-.036	0	%100
222	M158C	Z	.021	.021	0	%100
223	M159A	X	-.036	-.036	0	%100
224	M159A	Z	.021	.021	0	%100
225	M160	X	-.036	-.036	0	%100
226	M160	Z	.021	.021	0	%100
227	M161	X	-.036	-.036	0	%100
228	M161	Z	.021	.021	0	%100
229	M162B	X	-.036	-.036	0	%100
230	M162B	Z	.021	.021	0	%100
231	M163A	X	-.036	-.036	0	%100
232	M163A	Z	.021	.021	0	%100
233	M164A	X	-.036	-.036	0	%100
234	M164A	Z	.021	.021	0	%100
235	M165	X	-.036	-.036	0	%100
236	M165	Z	.021	.021	0	%100
237	M166	X	-.036	-.036	0	%100
238	M166	Z	.021	.021	0	%100
239	MP4C	X	-.426	-.426	0	%100
240	MP4C	Z	.246	.246	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
7	M4	X	-1.047	-1.047	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-1.047	-1.047	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-1.07	-1.07	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-1.07	-1.07	0	%100
14	M7	Z	0	0	0	%100
15	M18	X	-818	-818	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-734	-734	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-898	-898	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	0	0	0	%100
33	M37	X	0	0	0	%100
34	M37	Z	0	0	0	%100
35	M38	X	-1.047	-1.047	0	%100
36	M38	Z	0	0	0	%100
37	M39	X	-1.047	-1.047	0	%100
38	M39	Z	0	0	0	%100
39	M40	X	-1.07	-1.07	0	%100
40	M40	Z	0	0	0	%100
41	M41	X	-1.07	-1.07	0	%100
42	M41	Z	0	0	0	%100
43	M52	X	-818	-818	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	-734	-734	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	-898	-898	0	%100
48	M54	Z	0	0	0	%100
49	M55	X	0	0	0	%100
50	M55	Z	0	0	0	%100
51	M56	X	0	0	0	%100
52	M56	Z	0	0	0	%100
53	M57	X	0	0	0	%100
54	M57	Z	0	0	0	%100
55	M58	X	0	0	0	%100
56	M58	Z	0	0	0	%100
57	M60	X	-.056	-.056	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	-.056	-.056	0	%100
60	M61	Z	0	0	0	%100
61	M62	X	-.056	-.056	0	%100
62	M62	Z	0	0	0	%100
63	M63	X	-.056	-.056	0	%100
64	M63	Z	0	0	0	%100
65	M69	X	-.441	-.441	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]	
66	M69	Z	0	0	0	%100
67	M70	X	-0.028	-0.028	0	%100
68	M70	Z	0	0	0	%100
69	M71	X	-0.441	-0.441	0	%100
70	M71	Z	0	0	0	%100
71	M72	X	-0.028	-0.028	0	%100
72	M72	Z	0	0	0	%100
73	M73	X	-0.441	-0.441	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-0.028	-0.028	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-0.441	-0.441	0	%100
78	M75	Z	0	0	0	%100
79	M76	X	-0.028	-0.028	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	-0.492	-0.492	0	%100
82	M77	Z	0	0	0	%100
83	M90	X	0	0	0	%100
84	M90	Z	0	0	0	%100
85	M103	X	-0.492	-0.492	0	%100
86	M103	Z	0	0	0	%100
87	M116	X	0	0	0	%100
88	M116	Z	0	0	0	%100
89	MP3A	X	-0.492	-0.492	0	%100
90	MP3A	Z	0	0	0	%100
91	MP1A	X	-0.492	-0.492	0	%100
92	MP1A	Z	0	0	0	%100
93	M129	X	-0.244	-0.244	0	%100
94	M129	Z	0	0	0	%100
95	M132	X	-0.244	-0.244	0	%100
96	M132	Z	0	0	0	%100
97	M135	X	-0.244	-0.244	0	%100
98	M135	Z	0	0	0	%100
99	M138	X	-0.244	-0.244	0	%100
100	M138	Z	0	0	0	%100
101	M141	X	0	0	0	%100
102	M141	Z	0	0	0	%100
103	M142	X	0	0	0	%100
104	M142	Z	0	0	0	%100
105	M143	X	-0.064	-0.064	0	%100
106	M143	Z	0	0	0	%100
107	M144	X	-0.064	-0.064	0	%100
108	M144	Z	0	0	0	%100
109	M145	X	0	0	0	%100
110	M145	Z	0	0	0	%100
111	M146	X	0	0	0	%100
112	M146	Z	0	0	0	%100
113	M147	X	-0.064	-0.064	0	%100
114	M147	Z	0	0	0	%100
115	M148	X	-0.064	-0.064	0	%100
116	M148	Z	0	0	0	%100
117	OVP1	X	-0.402	-0.402	0	%100
118	OVP1	Z	0	0	0	%100
119	MP2D	X	-0.492	-0.492	0	%100
120	MP2D	Z	0	0	0	%100
121	MP1D	X	-0.492	-0.492	0	%100
122	MP1D	Z	0	0	0	%100
123	MP2C	X	-0.492	-0.492	0	%100
124	MP2C	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
125	MP1C	X	-492	-492	0	%100
126	MP1C	Z	0	0	0	%100
127	MP2B	X	-492	-492	0	%100
128	MP2B	Z	0	0	0	%100
129	MP1B	X	-492	-492	0	%100
130	MP1B	Z	0	0	0	%100
131	MP2A	X	-492	-492	0	%100
132	MP2A	Z	0	0	0	%100
133	MP4A	X	-492	-492	0	%100
134	MP4A	Z	0	0	0	%100
135	MP3D	X	-492	-492	0	%100
136	MP3D	Z	0	0	0	%100
137	MP3C	X	-492	-492	0	%100
138	MP3C	Z	0	0	0	%100
139	MP5C	X	-492	-492	0	%100
140	MP5C	Z	0	0	0	%100
141	MP3B	X	-492	-492	0	%100
142	MP3B	Z	0	0	0	%100
143	MP4B	X	-492	-492	0	%100
144	MP4B	Z	0	0	0	%100
145	MP4D	X	-492	-492	0	%100
146	MP4D	Z	0	0	0	%100
147	M156B	X	-056	-056	0	%100
148	M156B	Z	0	0	0	%100
149	M152	X	-056	-056	0	%100
150	M152	Z	0	0	0	%100
151	M153	X	-056	-056	0	%100
152	M153	Z	0	0	0	%100
153	M154A	X	-056	-056	0	%100
154	M154A	Z	0	0	0	%100
155	M155C	X	-056	-056	0	%100
156	M155C	Z	0	0	0	%100
157	M156C	X	-056	-056	0	%100
158	M156C	Z	0	0	0	%100
159	M127A	X	0	0	0	%100
160	M127A	Z	0	0	0	%100
161	M128	X	0	0	0	%100
162	M128	Z	0	0	0	%100
163	M129B	X	0	0	0	%100
164	M129B	Z	0	0	0	%100
165	M130B	X	0	0	0	%100
166	M130B	Z	0	0	0	%100
167	M131A	X	0	0	0	%100
168	M131A	Z	0	0	0	%100
169	M132A	X	0	0	0	%100
170	M132A	Z	0	0	0	%100
171	M133A	X	0	0	0	%100
172	M133A	Z	0	0	0	%100
173	M134A	X	0	0	0	%100
174	M134A	Z	0	0	0	%100
175	M135A	X	0	0	0	%100
176	M135A	Z	0	0	0	%100
177	M136A	X	0	0	0	%100
178	M136A	Z	0	0	0	%100
179	M137A	X	-056	-056	0	%100
180	M137A	Z	0	0	0	%100
181	M138B	X	-056	-056	0	%100
182	M138B	Z	0	0	0	%100
183	M139B	X	-056	-056	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
184	M139B	Z	0	0	0	%100
185	M140A	X	-.056	-.056	0	%100
186	M140A	Z	0	0	0	%100
187	M141B	X	-.056	-.056	0	%100
188	M141B	Z	0	0	0	%100
189	M142B	X	-.056	-.056	0	%100
190	M142B	Z	0	0	0	%100
191	M143A	X	-.056	-.056	0	%100
192	M143A	Z	0	0	0	%100
193	M144A	X	-.056	-.056	0	%100
194	M144A	Z	0	0	0	%100
195	M145A	X	-.056	-.056	0	%100
196	M145A	Z	0	0	0	%100
197	M146A	X	-.056	-.056	0	%100
198	M146A	Z	0	0	0	%100
199	M147A	X	0	0	0	%100
200	M147A	Z	0	0	0	%100
201	M148A	X	0	0	0	%100
202	M148A	Z	0	0	0	%100
203	M149A	X	0	0	0	%100
204	M149A	Z	0	0	0	%100
205	M150B	X	0	0	0	%100
206	M150B	Z	0	0	0	%100
207	M151	X	0	0	0	%100
208	M151	Z	0	0	0	%100
209	M152A	X	0	0	0	%100
210	M152A	Z	0	0	0	%100
211	M153B	X	0	0	0	%100
212	M153B	Z	0	0	0	%100
213	M154B	X	0	0	0	%100
214	M154B	Z	0	0	0	%100
215	M155D	X	0	0	0	%100
216	M155D	Z	0	0	0	%100
217	M156D	X	0	0	0	%100
218	M156D	Z	0	0	0	%100
219	M157C	X	-.056	-.056	0	%100
220	M157C	Z	0	0	0	%100
221	M158C	X	-.056	-.056	0	%100
222	M158C	Z	0	0	0	%100
223	M159A	X	-.056	-.056	0	%100
224	M159A	Z	0	0	0	%100
225	M160	X	-.056	-.056	0	%100
226	M160	Z	0	0	0	%100
227	M161	X	-.056	-.056	0	%100
228	M161	Z	0	0	0	%100
229	M162B	X	-.056	-.056	0	%100
230	M162B	Z	0	0	0	%100
231	M163A	X	-.056	-.056	0	%100
232	M163A	Z	0	0	0	%100
233	M164A	X	-.056	-.056	0	%100
234	M164A	Z	0	0	0	%100
235	M165	X	-.056	-.056	0	%100
236	M165	Z	0	0	0	%100
237	M166	X	-.056	-.056	0	%100
238	M166	Z	0	0	0	%100
239	MP4C	X	-.492	-.492	0	%100
240	MP4C	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.177	-.177	0	%100
2	M1	Z	-.102	-.102	0	%100
3	M2	X	-.159	-.159	0	%100
4	M2	Z	-.092	-.092	0	%100
5	M3	X	-.194	-.194	0	%100
6	M3	Z	-.112	-.112	0	%100
7	M4	X	-.68	-.68	0	%100
8	M4	Z	-.393	-.393	0	%100
9	M5	X	-.68	-.68	0	%100
10	M5	Z	-.393	-.393	0	%100
11	M6	X	-.695	-.695	0	%100
12	M6	Z	-.401	-.401	0	%100
13	M7	X	-.695	-.695	0	%100
14	M7	Z	-.401	-.401	0	%100
15	M18	X	-.531	-.531	0	%100
16	M18	Z	-.307	-.307	0	%100
17	M19	X	-.477	-.477	0	%100
18	M19	Z	-.275	-.275	0	%100
19	M20	X	-.583	-.583	0	%100
20	M20	Z	-.337	-.337	0	%100
21	M21	X	-.227	-.227	0	%100
22	M21	Z	-.131	-.131	0	%100
23	M22	X	-.227	-.227	0	%100
24	M22	Z	-.131	-.131	0	%100
25	M23	X	-.232	-.232	0	%100
26	M23	Z	-.134	-.134	0	%100
27	M24	X	-.232	-.232	0	%100
28	M24	Z	-.134	-.134	0	%100
29	M35	X	-.177	-.177	0	%100
30	M35	Z	-.102	-.102	0	%100
31	M36	X	-.159	-.159	0	%100
32	M36	Z	-.092	-.092	0	%100
33	M37	X	-.194	-.194	0	%100
34	M37	Z	-.112	-.112	0	%100
35	M38	X	-.68	-.68	0	%100
36	M38	Z	-.393	-.393	0	%100
37	M39	X	-.68	-.68	0	%100
38	M39	Z	-.393	-.393	0	%100
39	M40	X	-.695	-.695	0	%100
40	M40	Z	-.401	-.401	0	%100
41	M41	X	-.695	-.695	0	%100
42	M41	Z	-.401	-.401	0	%100
43	M52	X	-.531	-.531	0	%100
44	M52	Z	-.307	-.307	0	%100
45	M53	X	-.477	-.477	0	%100
46	M53	Z	-.275	-.275	0	%100
47	M54	X	-.583	-.583	0	%100
48	M54	Z	-.337	-.337	0	%100
49	M55	X	-.227	-.227	0	%100
50	M55	Z	-.131	-.131	0	%100
51	M56	X	-.227	-.227	0	%100
52	M56	Z	-.131	-.131	0	%100
53	M57	X	-.232	-.232	0	%100
54	M57	Z	-.134	-.134	0	%100
55	M58	X	-.232	-.232	0	%100
56	M58	Z	-.134	-.134	0	%100
57	M60	X	-.036	-.036	0	%100
58	M60	Z	-.021	-.021	0	%100
59	M61	X	-.036	-.036	0	%100



Company :
 Designer :
 Job Number :
 Model Name :

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 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft,%]	End Location[ft,%]
60	M61	Z	-.021	-.021	0	%100
61	M62	X	-.036	-.036	0	%100
62	M62	Z	-.021	-.021	0	%100
63	M63	X	-.036	-.036	0	%100
64	M63	Z	-.021	-.021	0	%100
65	M69	X	-.712	-.712	0	%100
66	M69	Z	-.411	-.411	0	%100
67	M70	X	-.003	-.003	0	%100
68	M70	Z	-.002	-.002	0	%100
69	M71	X	-.051	-.051	0	%100
70	M71	Z	-.03	-.03	0	%100
71	M72	X	-.045	-.045	0	%100
72	M72	Z	-.026	-.026	0	%100
73	M73	X	-.712	-.712	0	%100
74	M73	Z	-.411	-.411	0	%100
75	M74	X	-.003	-.003	0	%100
76	M74	Z	-.002	-.002	0	%100
77	M75	X	-.051	-.051	0	%100
78	M75	Z	-.03	-.03	0	%100
79	M76	X	-.045	-.045	0	%100
80	M76	Z	-.026	-.026	0	%100
81	M77	X	-.32	-.32	0	%100
82	M77	Z	-.185	-.185	0	%100
83	M90	X	-.107	-.107	0	%100
84	M90	Z	-.062	-.062	0	%100
85	M103	X	-.32	-.32	0	%100
86	M103	Z	-.185	-.185	0	%100
87	M116	X	-.107	-.107	0	%100
88	M116	Z	-.062	-.062	0	%100
89	MP3A	X	-.426	-.426	0	%100
90	MP3A	Z	-.246	-.246	0	%100
91	MP1A	X	-.426	-.426	0	%100
92	MP1A	Z	-.246	-.246	0	%100
93	M129	X	-.028	-.028	0	%100
94	M129	Z	-.016	-.016	0	%100
95	M132	X	-.395	-.395	0	%100
96	M132	Z	-.228	-.228	0	%100
97	M135	X	-.028	-.028	0	%100
98	M135	Z	-.016	-.016	0	%100
99	M138	X	-.395	-.395	0	%100
100	M138	Z	-.228	-.228	0	%100
101	M141	X	-.014	-.014	0	%100
102	M141	Z	-.008	-.008	0	%100
103	M142	X	-.014	-.014	0	%100
104	M142	Z	-.008	-.008	0	%100
105	M143	X	-.042	-.042	0	%100
106	M143	Z	-.024	-.024	0	%100
107	M144	X	-.042	-.042	0	%100
108	M144	Z	-.024	-.024	0	%100
109	M145	X	-.014	-.014	0	%100
110	M145	Z	-.008	-.008	0	%100
111	M146	X	-.014	-.014	0	%100
112	M146	Z	-.008	-.008	0	%100
113	M147	X	-.042	-.042	0	%100
114	M147	Z	-.024	-.024	0	%100
115	M148	X	-.042	-.042	0	%100
116	M148	Z	-.024	-.024	0	%100
117	OVP1	X	-.349	-.349	0	%100
118	OVP1	Z	-.201	-.201	0	%100



Company :
 Designer :
 Job Number :
 Model Name :

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
119	MP2D	X	-426	-426	0 %100
120	MP2D	Z	-246	-246	0 %100
121	MP1D	X	-426	-426	0 %100
122	MP1D	Z	-246	-246	0 %100
123	MP2C	X	-426	-426	0 %100
124	MP2C	Z	-246	-246	0 %100
125	MP1C	X	-426	-426	0 %100
126	MP1C	Z	-246	-246	0 %100
127	MP2B	X	-426	-426	0 %100
128	MP2B	Z	-246	-246	0 %100
129	MP1B	X	-426	-426	0 %100
130	MP1B	Z	-246	-246	0 %100
131	MP2A	X	-426	-426	0 %100
132	MP2A	Z	-246	-246	0 %100
133	MP4A	X	-426	-426	0 %100
134	MP4A	Z	-246	-246	0 %100
135	MP3D	X	-426	-426	0 %100
136	MP3D	Z	-246	-246	0 %100
137	MP3C	X	-426	-426	0 %100
138	MP3C	Z	-246	-246	0 %100
139	MP5C	X	-426	-426	0 %100
140	MP5C	Z	-246	-246	0 %100
141	MP3B	X	-426	-426	0 %100
142	MP3B	Z	-246	-246	0 %100
143	MP4B	X	-426	-426	0 %100
144	MP4B	Z	-246	-246	0 %100
145	MP4D	X	-426	-426	0 %100
146	MP4D	Z	-246	-246	0 %100
147	M156B	X	-036	-036	0 %100
148	M156B	Z	-021	-021	0 %100
149	M152	X	-036	-036	0 %100
150	M152	Z	-021	-021	0 %100
151	M153	X	-036	-036	0 %100
152	M153	Z	-021	-021	0 %100
153	M154A	X	-036	-036	0 %100
154	M154A	Z	-021	-021	0 %100
155	M155C	X	-036	-036	0 %100
156	M155C	Z	-021	-021	0 %100
157	M156C	X	-036	-036	0 %100
158	M156C	Z	-021	-021	0 %100
159	M127A	X	-012	-012	0 %100
160	M127A	Z	-007	-007	0 %100
161	M128	X	-012	-012	0 %100
162	M128	Z	-007	-007	0 %100
163	M129B	X	-012	-012	0 %100
164	M129B	Z	-007	-007	0 %100
165	M130B	X	-012	-012	0 %100
166	M130B	Z	-007	-007	0 %100
167	M131A	X	-012	-012	0 %100
168	M131A	Z	-007	-007	0 %100
169	M132A	X	-012	-012	0 %100
170	M132A	Z	-007	-007	0 %100
171	M133A	X	-012	-012	0 %100
172	M133A	Z	-007	-007	0 %100
173	M134A	X	-012	-012	0 %100
174	M134A	Z	-007	-007	0 %100
175	M135A	X	-012	-012	0 %100
176	M135A	Z	-007	-007	0 %100
177	M136A	X	-012	-012	0 %100

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

	Member Label	Direction	Start Magnitude/lb/ft...	End Magnitude/lb/ft...	Start Location/ft, %]	End Location/ft, %]
178	M136A	Z	-.007	-.007	0	%100
179	M137A	X	-.036	-.036	0	%100
180	M137A	Z	-.021	-.021	0	%100
181	M138B	X	-.036	-.036	0	%100
182	M138B	Z	-.021	-.021	0	%100
183	M139B	X	-.036	-.036	0	%100
184	M139B	Z	-.021	-.021	0	%100
185	M140A	X	-.036	-.036	0	%100
186	M140A	Z	-.021	-.021	0	%100
187	M141B	X	-.036	-.036	0	%100
188	M141B	Z	-.021	-.021	0	%100
189	M142B	X	-.036	-.036	0	%100
190	M142B	Z	-.021	-.021	0	%100
191	M143A	X	-.036	-.036	0	%100
192	M143A	Z	-.021	-.021	0	%100
193	M144A	X	-.036	-.036	0	%100
194	M144A	Z	-.021	-.021	0	%100
195	M145A	X	-.036	-.036	0	%100
196	M145A	Z	-.021	-.021	0	%100
197	M146A	X	-.036	-.036	0	%100
198	M146A	Z	-.021	-.021	0	%100
199	M147A	X	-.012	-.012	0	%100
200	M147A	Z	-.007	-.007	0	%100
201	M148A	X	-.012	-.012	0	%100
202	M148A	Z	-.007	-.007	0	%100
203	M149A	X	-.012	-.012	0	%100
204	M149A	Z	-.007	-.007	0	%100
205	M150B	X	-.012	-.012	0	%100
206	M150B	Z	-.007	-.007	0	%100
207	M151	X	-.012	-.012	0	%100
208	M151	Z	-.007	-.007	0	%100
209	M152A	X	-.012	-.012	0	%100
210	M152A	Z	-.007	-.007	0	%100
211	M153B	X	-.012	-.012	0	%100
212	M153B	Z	-.007	-.007	0	%100
213	M154B	X	-.012	-.012	0	%100
214	M154B	Z	-.007	-.007	0	%100
215	M155D	X	-.012	-.012	0	%100
216	M155D	Z	-.007	-.007	0	%100
217	M156D	X	-.012	-.012	0	%100
218	M156D	Z	-.007	-.007	0	%100
219	M157C	X	-.036	-.036	0	%100
220	M157C	Z	-.021	-.021	0	%100
221	M158C	X	-.036	-.036	0	%100
222	M158C	Z	-.021	-.021	0	%100
223	M159A	X	-.036	-.036	0	%100
224	M159A	Z	-.021	-.021	0	%100
225	M160	X	-.036	-.036	0	%100
226	M160	Z	-.021	-.021	0	%100
227	M161	X	-.036	-.036	0	%100
228	M161	Z	-.021	-.021	0	%100
229	M162B	X	-.036	-.036	0	%100
230	M162B	Z	-.021	-.021	0	%100
231	M163A	X	-.036	-.036	0	%100
232	M163A	Z	-.021	-.021	0	%100
233	M164A	X	-.036	-.036	0	%100
234	M164A	Z	-.021	-.021	0	%100
235	M165	X	-.036	-.036	0	%100
236	M165	Z	-.021	-.021	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
237	M166	X	-.036	-.036	0	%100
238	M166	Z	-.021	-.021	0	%100
239	MP4C	X	-.426	-.426	0	%100
240	MP4C	Z	-.246	-.246	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.307	-.307	0	%100
2	M1	Z	-.531	-.531	0	%100
3	M2	X	-.275	-.275	0	%100
4	M2	Z	-.477	-.477	0	%100
5	M3	X	-.337	-.337	0	%100
6	M3	Z	-.583	-.583	0	%100
7	M4	X	-.131	-.131	0	%100
8	M4	Z	-.227	-.227	0	%100
9	M5	X	-.131	-.131	0	%100
10	M5	Z	-.227	-.227	0	%100
11	M6	X	-.134	-.134	0	%100
12	M6	Z	-.232	-.232	0	%100
13	M7	X	-.134	-.134	0	%100
14	M7	Z	-.232	-.232	0	%100
15	M18	X	-.102	-.102	0	%100
16	M18	Z	-.177	-.177	0	%100
17	M19	X	-.092	-.092	0	%100
18	M19	Z	-.159	-.159	0	%100
19	M20	X	-.112	-.112	0	%100
20	M20	Z	-.194	-.194	0	%100
21	M21	X	-.393	-.393	0	%100
22	M21	Z	-.68	-.68	0	%100
23	M22	X	-.393	-.393	0	%100
24	M22	Z	-.68	-.68	0	%100
25	M23	X	-.401	-.401	0	%100
26	M23	Z	-.695	-.695	0	%100
27	M24	X	-.401	-.401	0	%100
28	M24	Z	-.695	-.695	0	%100
29	M35	X	-.307	-.307	0	%100
30	M35	Z	-.531	-.531	0	%100
31	M36	X	-.275	-.275	0	%100
32	M36	Z	-.477	-.477	0	%100
33	M37	X	-.337	-.337	0	%100
34	M37	Z	-.583	-.583	0	%100
35	M38	X	-.131	-.131	0	%100
36	M38	Z	-.227	-.227	0	%100
37	M39	X	-.131	-.131	0	%100
38	M39	Z	-.227	-.227	0	%100
39	M40	X	-.134	-.134	0	%100
40	M40	Z	-.232	-.232	0	%100
41	M41	X	-.134	-.134	0	%100
42	M41	Z	-.232	-.232	0	%100
43	M52	X	-.102	-.102	0	%100
44	M52	Z	-.177	-.177	0	%100
45	M53	X	-.092	-.092	0	%100
46	M53	Z	-.159	-.159	0	%100
47	M54	X	-.112	-.112	0	%100
48	M54	Z	-.194	-.194	0	%100
49	M55	X	-.393	-.393	0	%100
50	M55	Z	-.68	-.68	0	%100
51	M56	X	-.393	-.393	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
52	M56	Z	-68	-68	0	%100
53	M57	X	-401	-401	0	%100
54	M57	Z	-695	-695	0	%100
55	M58	X	-401	-401	0	%100
56	M58	Z	-695	-695	0	%100
57	M60	X	-007	-007	0	%100
58	M60	Z	-012	-012	0	%100
59	M61	X	-007	-007	0	%100
60	M61	Z	-012	-012	0	%100
61	M62	X	-007	-007	0	%100
62	M62	Z	-012	-012	0	%100
63	M63	X	-007	-007	0	%100
64	M63	Z	-012	-012	0	%100
65	M69	X	-411	-411	0	%100
66	M69	Z	-712	-712	0	%100
67	M70	X	-002	-002	0	%100
68	M70	Z	-003	-003	0	%100
69	M71	X	-.03	-.03	0	%100
70	M71	Z	-.051	-.051	0	%100
71	M72	X	-.026	-.026	0	%100
72	M72	Z	-.045	-.045	0	%100
73	M73	X	-411	-411	0	%100
74	M73	Z	-712	-712	0	%100
75	M74	X	-002	-002	0	%100
76	M74	Z	-003	-003	0	%100
77	M75	X	-.03	-.03	0	%100
78	M75	Z	-.051	-.051	0	%100
79	M76	X	-.026	-.026	0	%100
80	M76	Z	-.045	-.045	0	%100
81	M77	X	-.062	-.062	0	%100
82	M77	Z	-.107	-.107	0	%100
83	M90	X	-185	-185	0	%100
84	M90	Z	-.32	-.32	0	%100
85	M103	X	-.062	-.062	0	%100
86	M103	Z	-.107	-.107	0	%100
87	M116	X	-185	-185	0	%100
88	M116	Z	-.32	-.32	0	%100
89	MP3A	X	-246	-246	0	%100
90	MP3A	Z	-426	-426	0	%100
91	MP1A	X	-246	-246	0	%100
92	MP1A	Z	-426	-426	0	%100
93	M129	X	-.016	-.016	0	%100
94	M129	Z	-.028	-.028	0	%100
95	M132	X	-.228	-.228	0	%100
96	M132	Z	-.395	-.395	0	%100
97	M135	X	-.016	-.016	0	%100
98	M135	Z	-.028	-.028	0	%100
99	M138	X	-.228	-.228	0	%100
100	M138	Z	-.395	-.395	0	%100
101	M141	X	-.024	-.024	0	%100
102	M141	Z	-.042	-.042	0	%100
103	M142	X	-.024	-.024	0	%100
104	M142	Z	-.042	-.042	0	%100
105	M143	X	-.008	-.008	0	%100
106	M143	Z	-.014	-.014	0	%100
107	M144	X	-.008	-.008	0	%100
108	M144	Z	-.014	-.014	0	%100
109	M145	X	-.024	-.024	0	%100
110	M145	Z	-.042	-.042	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
111	M146	X	-.024	-.024	0 %100
112	M146	Z	-.042	-.042	0 %100
113	M147	X	-.008	-.008	0 %100
114	M147	Z	-.014	-.014	0 %100
115	M148	X	-.008	-.008	0 %100
116	M148	Z	-.014	-.014	0 %100
117	OVP1	X	-.201	-.201	0 %100
118	OVP1	Z	-.349	-.349	0 %100
119	MP2D	X	-.246	-.246	0 %100
120	MP2D	Z	-.426	-.426	0 %100
121	MP1D	X	-.246	-.246	0 %100
122	MP1D	Z	-.426	-.426	0 %100
123	MP2C	X	-.246	-.246	0 %100
124	MP2C	Z	-.426	-.426	0 %100
125	MP1C	X	-.246	-.246	0 %100
126	MP1C	Z	-.426	-.426	0 %100
127	MP2B	X	-.246	-.246	0 %100
128	MP2B	Z	-.426	-.426	0 %100
129	MP1B	X	-.246	-.246	0 %100
130	MP1B	Z	-.426	-.426	0 %100
131	MP2A	X	-.246	-.246	0 %100
132	MP2A	Z	-.426	-.426	0 %100
133	MP4A	X	-.246	-.246	0 %100
134	MP4A	Z	-.426	-.426	0 %100
135	MP3D	X	-.246	-.246	0 %100
136	MP3D	Z	-.426	-.426	0 %100
137	MP3C	X	-.246	-.246	0 %100
138	MP3C	Z	-.426	-.426	0 %100
139	MP5C	X	-.246	-.246	0 %100
140	MP5C	Z	-.426	-.426	0 %100
141	MP3B	X	-.246	-.246	0 %100
142	MP3B	Z	-.426	-.426	0 %100
143	MP4B	X	-.246	-.246	0 %100
144	MP4B	Z	-.426	-.426	0 %100
145	MP4D	X	-.246	-.246	0 %100
146	MP4D	Z	-.426	-.426	0 %100
147	M156B	X	-.007	-.007	0 %100
148	M156B	Z	-.012	-.012	0 %100
149	M152	X	-.007	-.007	0 %100
150	M152	Z	-.012	-.012	0 %100
151	M153	X	-.007	-.007	0 %100
152	M153	Z	-.012	-.012	0 %100
153	M154A	X	-.007	-.007	0 %100
154	M154A	Z	-.012	-.012	0 %100
155	M155C	X	-.007	-.007	0 %100
156	M155C	Z	-.012	-.012	0 %100
157	M156C	X	-.007	-.007	0 %100
158	M156C	Z	-.012	-.012	0 %100
159	M127A	X	-.021	-.021	0 %100
160	M127A	Z	-.036	-.036	0 %100
161	M128	X	-.021	-.021	0 %100
162	M128	Z	-.036	-.036	0 %100
163	M129B	X	-.021	-.021	0 %100
164	M129B	Z	-.036	-.036	0 %100
165	M130B	X	-.021	-.021	0 %100
166	M130B	Z	-.036	-.036	0 %100
167	M131A	X	-.021	-.021	0 %100
168	M131A	Z	-.036	-.036	0 %100
169	M132A	X	-.021	-.021	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
170	M132A	Z	-0.036	-0.036	0 %100
171	M133A	X	-0.021	-0.021	0 %100
172	M133A	Z	-0.036	-0.036	0 %100
173	M134A	X	-0.021	-0.021	0 %100
174	M134A	Z	-0.036	-0.036	0 %100
175	M135A	X	-0.021	-0.021	0 %100
176	M135A	Z	-0.036	-0.036	0 %100
177	M136A	X	-0.021	-0.021	0 %100
178	M136A	Z	-0.036	-0.036	0 %100
179	M137A	X	-0.007	-0.007	0 %100
180	M137A	Z	-0.012	-0.012	0 %100
181	M138B	X	-0.007	-0.007	0 %100
182	M138B	Z	-0.012	-0.012	0 %100
183	M139B	X	-0.007	-0.007	0 %100
184	M139B	Z	-0.012	-0.012	0 %100
185	M140A	X	-0.007	-0.007	0 %100
186	M140A	Z	-0.012	-0.012	0 %100
187	M141B	X	-0.007	-0.007	0 %100
188	M141B	Z	-0.012	-0.012	0 %100
189	M142B	X	-0.007	-0.007	0 %100
190	M142B	Z	-0.012	-0.012	0 %100
191	M143A	X	-0.007	-0.007	0 %100
192	M143A	Z	-0.012	-0.012	0 %100
193	M144A	X	-0.007	-0.007	0 %100
194	M144A	Z	-0.012	-0.012	0 %100
195	M145A	X	-0.007	-0.007	0 %100
196	M145A	Z	-0.012	-0.012	0 %100
197	M146A	X	-0.007	-0.007	0 %100
198	M146A	Z	-0.012	-0.012	0 %100
199	M147A	X	-0.021	-0.021	0 %100
200	M147A	Z	-0.036	-0.036	0 %100
201	M148A	X	-0.021	-0.021	0 %100
202	M148A	Z	-0.036	-0.036	0 %100
203	M149A	X	-0.021	-0.021	0 %100
204	M149A	Z	-0.036	-0.036	0 %100
205	M150B	X	-0.021	-0.021	0 %100
206	M150B	Z	-0.036	-0.036	0 %100
207	M151	X	-0.021	-0.021	0 %100
208	M151	Z	-0.036	-0.036	0 %100
209	M152A	X	-0.021	-0.021	0 %100
210	M152A	Z	-0.036	-0.036	0 %100
211	M153B	X	-0.021	-0.021	0 %100
212	M153B	Z	-0.036	-0.036	0 %100
213	M154B	X	-0.021	-0.021	0 %100
214	M154B	Z	-0.036	-0.036	0 %100
215	M155D	X	-0.021	-0.021	0 %100
216	M155D	Z	-0.036	-0.036	0 %100
217	M156D	X	-0.021	-0.021	0 %100
218	M156D	Z	-0.036	-0.036	0 %100
219	M157C	X	-0.007	-0.007	0 %100
220	M157C	Z	-0.012	-0.012	0 %100
221	M158C	X	-0.007	-0.007	0 %100
222	M158C	Z	-0.012	-0.012	0 %100
223	M159A	X	-0.007	-0.007	0 %100
224	M159A	Z	-0.012	-0.012	0 %100
225	M160	X	-0.007	-0.007	0 %100
226	M160	Z	-0.012	-0.012	0 %100
227	M161	X	-0.007	-0.007	0 %100
228	M161	Z	-0.012	-0.012	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
229	M162B	X	-0.07	-0.07	0	%100
230	M162B	Z	-0.12	-0.12	0	%100
231	M163A	X	-0.07	-0.07	0	%100
232	M163A	Z	-0.12	-0.12	0	%100
233	M164A	X	-0.07	-0.07	0	%100
234	M164A	Z	-0.12	-0.12	0	%100
235	M165	X	-0.07	-0.07	0	%100
236	M165	Z	-0.12	-0.12	0	%100
237	M166	X	-0.07	-0.07	0	%100
238	M166	Z	-0.12	-0.12	0	%100
239	MP4C	X	-246	-246	0	%100
240	MP4C	Z	-426	-426	0	%100

Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M54	Y	-1.3	-1.3	.208	1.792
2	M55	Y	-1.912	-1.912	0	1.109
3	M55	Y	-1.912	-1.909	1.109	2.217
4	M55	Y	-1.909	-2.037	2.217	3.326
5	M55	Y	-2.037	-1.629	3.326	4.434
6	M55	Y	-1.629	-.551	4.434	5.543
7	M57	Y	-.49	-1.343	0	1.208
8	M57	Y	-1.343	-2.192	1.208	2.417
9	M57	Y	-2.192	-2.036	2.417	3.625
10	M57	Y	-2.036	-1.238	3.625	4.833
11	M57	Y	-1.238	-.803	4.833	6.042
12	M60	Y	-5.2	-5.2	.396	1.188
13	M61	Y	-5.204	-5.204	.396	1.188
14	M62	Y	-2.682	-2.577	0	.792
15	M62	Y	-2.577	-2.473	.792	1.584
16	M63	Y	-.181	-2.682	0	.317
17	M63	Y	-2.682	-5.897	.317	.634
18	M63	Y	-5.897	-5.919	.634	.95
19	M63	Y	-5.919	-2.708	.95	1.267
20	M63	Y	-2.708	-.181	1.267	1.584
21	M147	Y	-.598	-2.114	0	.317
22	M147	Y	-2.114	-3.351	.317	.634
23	M147	Y	-3.351	-3.353	.634	.95
24	M147	Y	-3.353	-2.115	.95	1.267
25	M147	Y	-2.115	-.596	1.267	1.584
26	M156B	Y	-2.6	-2.6	.396	1.188
27	M56	Y	-.829	-1.303	0	1.108
28	M56	Y	-1.303	-1.708	1.108	2.217
29	M56	Y	-1.708	-1.879	2.217	3.325
30	M56	Y	-1.879	-1.882	3.325	4.434
31	M56	Y	-1.882	-1.882	4.434	5.542
32	M58	Y	-.821	-1.202	0	1.208
33	M58	Y	-1.202	-2.003	1.208	2.417
34	M58	Y	-2.003	-2.19	2.417	3.625
35	M58	Y	-2.19	-1.34	3.625	4.833
36	M58	Y	-1.34	-.488	4.833	6.042
37	M148	Y	-.596	-2.115	0	.317
38	M148	Y	-2.115	-3.353	.317	.634
39	M148	Y	-3.353	-3.351	.634	.95
40	M148	Y	-3.351	-2.114	.95	1.267
41	M148	Y	-2.114	-.598	1.267	1.584
42	M160A	Y	-2.937	-2.937	0	.25
43	M152	Y	-5.2	-5.2	.396	1.188



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Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
44	M153	Y	-5.202	-5.202	.396	1.188
45	M154A	Y	-2.474	-2.577	0	.792
46	M154A	Y	-2.577	-2.681	.792	1.584
47	M155C	Y	-.181	-2.708	0	.317
48	M155C	Y	-2.708	-5.919	.317	.634
49	M155C	Y	-5.919	-5.897	.634	.95
50	M155C	Y	-5.897	-2.682	.95	1.267
51	M155C	Y	-2.682	-.181	1.267	1.584
52	M156C	Y	-2.6	-2.6	.396	1.188
53	M3	Y	-1.3	-1.3	.208	1.792
54	M4	Y	-1.901	-1.901	0	1.108
55	M4	Y	-1.901	-1.899	1.108	2.217
56	M4	Y	-1.899	-1.879	2.217	3.325
57	M4	Y	-1.879	-1.418	3.325	4.433
58	M4	Y	-1.418	-.533	4.433	5.542
59	M6	Y	-.501	-1.353	0	1.208
60	M6	Y	-1.353	-2.202	1.208	2.417
61	M6	Y	-2.202	-2.183	2.417	3.625
62	M6	Y	-2.183	-1.414	3.625	4.833
63	M6	Y	-1.414	-.76	4.833	6.042
64	M141	Y	-.303	-2.723	0	.317
65	M141	Y	-2.723	-4.088	.317	.633
66	M141	Y	-4.088	-3.514	.633	.95
67	M141	Y	-3.514	-2.223	.95	1.267
68	M141	Y	-2.223	-1.094	1.267	1.583
69	M127A	Y	-5.2	-5.2	.397	1.188
70	M128	Y	-5.204	-5.204	.397	1.188
71	M129B	Y	-5.222	-5.222	.394	1.191
72	M130B	Y	-.248	-3.8	0	.317
73	M130B	Y	-3.8	-3.858	.317	.634
74	M130B	Y	-3.858	-3.85	.634	.95
75	M130B	Y	-3.85	-3.787	.95	1.267
76	M130B	Y	-3.787	-.248	1.267	1.584
77	M131A	Y	-2.6	-2.6	.397	1.188
78	M5	Y	-.829	-1.303	0	1.108
79	M5	Y	-1.303	-1.708	1.108	2.217
80	M5	Y	-1.708	-1.878	2.217	3.325
81	M5	Y	-1.878	-1.881	3.325	4.433
82	M5	Y	-1.881	-1.881	4.433	5.542
83	M7	Y	-.821	-1.202	0	1.208
84	M7	Y	-1.202	-2.002	1.208	2.417
85	M7	Y	-2.002	-2.189	2.417	3.625
86	M7	Y	-2.189	-1.339	3.625	4.833
87	M7	Y	-1.339	-.487	4.833	6.042
88	M142	Y	-.596	-2.115	0	.317
89	M142	Y	-2.115	-3.353	.317	.633
90	M142	Y	-3.353	-3.351	.633	.95
91	M142	Y	-3.351	-2.114	.95	1.267
92	M142	Y	-2.114	-.598	1.267	1.583
93	M126	Y	-2.936	-2.936	0	.25
94	M132A	Y	-5.2	-5.2	.397	1.188
95	M133A	Y	-5.204	-5.204	.397	1.188
96	M134A	Y	0	-2.576	0	.792
97	M134A	Y	-2.576	-2.68	.792	1.584
98	M135A	Y	-.181	-2.706	0	.317
99	M135A	Y	-2.706	-5.916	.317	.634
100	M135A	Y	-5.916	-5.894	.634	.95
101	M135A	Y	-5.894	-2.681	.95	1.267
102	M135A	Y	-2.681	-.181	1.267	1.584



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Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.-%]	End Location[ft.-%]
103	M136A	Y	-2.6	-2.6	.397	1.188
104	M20	Y	-1.3	-1.3	.208	1.792
105	M21	Y	-1.882	-1.882	0	1.109
106	M21	Y	-1.882	-1.879	1.109	2.217
107	M21	Y	-1.879	-1.708	2.217	3.326
108	M21	Y	-1.708	-1.303	3.326	4.434
109	M21	Y	-1.303	-.829	4.434	5.543
110	M23	Y	-.518	-1.37	0	1.208
111	M23	Y	-1.37	-2.22	1.208	2.417
112	M23	Y	-2.22	-2.337	2.417	3.625
113	M23	Y	-2.337	-1.537	3.625	4.833
114	M23	Y	-1.537	-.548	4.833	6.042
115	M143	Y	-.596	-2.115	0	.317
116	M143	Y	-2.115	-3.353	.317	.634
117	M143	Y	-3.353	-3.351	.634	.95
118	M143	Y	-3.351	-2.114	.95	1.267
119	M143	Y	-2.114	-.598	1.267	1.584
120	M137A	Y	-5.2	-5.2	.396	1.188
121	M138B	Y	-5.202	-5.202	.396	1.188
122	M139B	Y	-2.474	-2.577	0	.792
123	M139B	Y	-2.577	-2.681	.792	1.584
124	M140A	Y	-.181	-2.708	0	.317
125	M140A	Y	-2.708	-5.919	.317	.634
126	M140A	Y	-5.919	-5.897	.634	.95
127	M140A	Y	-5.897	-2.682	.95	1.267
128	M140A	Y	-2.682	-.181	1.267	1.584
129	M141B	Y	-2.6	-2.6	.396	1.188
130	M22	Y	-.548	-1.633	0	1.108
131	M22	Y	-1.633	-2.043	1.108	2.217
132	M22	Y	-2.043	-1.912	2.217	3.325
133	M22	Y	-1.912	-1.912	3.325	4.433
134	M22	Y	-1.912	-1.911	4.433	5.542
135	M24	Y	-.801	-1.24	0	1.208
136	M24	Y	-1.24	-2.04	1.208	2.417
137	M24	Y	-2.04	-2.194	2.417	3.625
138	M24	Y	-2.194	-1.342	3.625	4.833
139	M24	Y	-1.342	-.49	4.833	6.042
140	M144	Y	-.598	-2.114	0	.317
141	M144	Y	-2.114	-3.351	.317	.634
142	M144	Y	-3.351	-3.352	.634	.95
143	M144	Y	-3.352	-2.115	.95	1.267
144	M144	Y	-2.115	-.596	1.267	1.584
145	M142B	Y	-5.2	-5.2	.396	1.188
146	M143A	Y	-5.202	-5.202	.396	1.188
147	M144A	Y	-2.666	-2.564	0	.792
148	M144A	Y	-2.564	-2.461	.792	1.584
149	M145A	Y	-.181	-2.681	0	.317
150	M145A	Y	-2.681	-5.893	.317	.634
151	M145A	Y	-5.893	-5.915	.634	.95
152	M145A	Y	-5.915	-2.706	.95	1.267
153	M145A	Y	-2.706	-.181	1.267	1.584
154	M146A	Y	-2.6	-2.6	.397	1.188
155	M37	Y	-1.3	-1.3	.208	1.792
156	M38	Y	-1.882	-1.882	0	1.109
157	M38	Y	-1.882	-1.879	1.109	2.217
158	M38	Y	-1.879	-1.708	2.217	3.326
159	M38	Y	-1.708	-1.303	3.326	4.434
160	M38	Y	-1.303	-.829	4.434	5.543
161	M40	Y	-.518	-1.37	0	1.208

Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
162	M40	Y	-1.37	-2.22	1.208	2.417
163	M40	Y	-2.22	-2.338	2.417	3.625
164	M40	Y	-2.338	-1.537	3.625	4.833
165	M40	Y	-1.537	-.548	4.833	6.042
166	M145	Y	-.596	-2.115	0	.317
167	M145	Y	-2.115	-3.353	.317	.634
168	M145	Y	-3.353	-3.351	.634	.95
169	M145	Y	-3.351	-2.114	.95	1.267
170	M145	Y	-2.114	-.598	1.267	1.584
171	M147A	Y	-5.2	-5.2	.396	1.188
172	M148A	Y	-5.202	-5.202	.396	1.188
173	M149A	Y	-2.474	-2.578	0	.792
174	M149A	Y	-2.578	-2.681	.792	1.584
175	M150B	Y	-.181	-2.707	0	.317
176	M150B	Y	-2.707	-5.918	.317	.634
177	M150B	Y	-5.918	-5.896	.634	.95
178	M150B	Y	-5.896	-2.681	.95	1.267
179	M150B	Y	-2.681	-.181	1.267	1.584
180	M151	Y	-2.6	-2.6	.396	1.188
181	M39	Y	-.827	-1.306	0	1.108
182	M39	Y	-1.306	-1.713	1.108	2.217
183	M39	Y	-1.713	-1.881	2.217	3.325
184	M39	Y	-1.881	-1.881	3.325	4.433
185	M39	Y	-1.881	-1.881	4.433	5.542
186	M41	Y	-.819	-1.205	0	1.208
187	M41	Y	-1.205	-2.008	1.208	2.417
188	M41	Y	-2.008	-2.192	2.417	3.625
189	M41	Y	-2.192	-1.34	3.625	4.833
190	M41	Y	-1.34	-.488	4.833	6.042
191	M146	Y	-.596	-2.115	0	.317
192	M146	Y	-2.115	-3.352	.317	.634
193	M146	Y	-3.352	-3.351	.634	.95
194	M146	Y	-3.351	-2.114	.95	1.267
195	M146	Y	-2.114	-.598	1.267	1.584
196	M150	Y	-2.932	-2.932	0	.25
197	M152A	Y	-5.2	-5.2	.397	1.188
198	M153B	Y	-5.203	-5.203	.396	1.188
199	M154B	Y	-2.461	-2.563	0	.792
200	M154B	Y	-2.563	-2.665	.792	1.584
201	M155D	Y	-.181	-2.706	0	.317
202	M155D	Y	-2.706	-5.917	.317	.634
203	M155D	Y	-5.917	-5.898	.634	.95
204	M155D	Y	-5.898	-2.684	.95	1.267
205	M155D	Y	-2.684	-.181	1.267	1.584
206	M156D	Y	-2.6	-2.6	.397	1.188

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M54	Y	-2.75	-2.75	.208	1.792
2	M55	Y	-4.044	-4.044	0	1.109
3	M55	Y	-4.044	-4.039	1.109	2.217
4	M55	Y	-4.039	-4.309	2.217	3.326
5	M55	Y	-4.309	-3.445	3.326	4.434
6	M55	Y	-3.445	-1.165	4.434	5.543
7	M57	Y	-1.037	-2.84	0	1.208
8	M57	Y	-2.84	-4.638	1.208	2.417
9	M57	Y	-4.638	-4.307	2.417	3.625
10	M57	Y	-4.307	-2.619	3.625	4.833



Company
Designer
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Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
11	M57	Y	-2.619	-1.699	4.833	6.042
12	M60	Y	-11	-11	.396	1.188
13	M61	Y	-11.008	-11.008	.396	1.188
14	M62	Y	-5.673	-5.452	0	.792
15	M62	Y	-5.452	-5.231	.792	1.584
16	M63	Y	-.382	-5.674	0	.317
17	M63	Y	-5.674	-12.474	.317	.634
18	M63	Y	-12.474	-12.521	.634	.95
19	M63	Y	-12.521	-5.728	.95	1.267
20	M63	Y	-5.728	-.382	1.267	1.584
21	M147	Y	-1.265	-4.472	0	.317
22	M147	Y	-4.472	-7.089	.317	.634
23	M147	Y	-7.089	-7.092	.634	.95
24	M147	Y	-7.092	-4.474	.95	1.267
25	M147	Y	-4.474	-1.262	1.267	1.584
26	M156B	Y	-5.5	-5.5	.396	1.188
27	M56	Y	-1.754	-2.757	0	1.108
28	M56	Y	-2.757	-3.614	1.108	2.217
29	M56	Y	-3.614	-3.975	2.217	3.325
30	M56	Y	-3.975	-3.98	3.325	4.434
31	M56	Y	-3.98	-3.98	4.434	5.542
32	M58	Y	-1.737	-2.543	0	1.208
33	M58	Y	-2.543	-4.238	1.208	2.417
34	M58	Y	-4.238	-4.632	2.417	3.625
35	M58	Y	-4.632	-2.834	3.625	4.833
36	M58	Y	-2.834	-1.032	4.833	6.042
37	M148	Y	-1.262	-4.474	0	.317
38	M148	Y	-4.474	-7.092	.317	.634
39	M148	Y	-7.092	-7.089	.634	.95
40	M148	Y	-7.089	-4.472	.95	1.267
41	M148	Y	-4.472	-1.265	1.267	1.584
42	M160A	Y	-6.213	-6.213	0	.25
43	M152	Y	-11	-11	.396	1.188
44	M153	Y	-11.005	-11.005	.396	1.188
45	M154A	Y	-5.233	-5.452	0	.792
46	M154A	Y	-5.452	-5.671	.792	1.584
47	M155C	Y	-.382	-5.728	0	.317
48	M155C	Y	-5.728	-12.521	.317	.634
49	M155C	Y	-12.521	-12.474	.634	.95
50	M155C	Y	-12.474	-5.674	.95	1.267
51	M155C	Y	-5.674	-.382	1.267	1.584
52	M156C	Y	-5.5	-5.5	.396	1.188
53	M3	Y	-2.75	-2.75	.208	1.792
54	M4	Y	-4.022	-4.022	0	1.108
55	M4	Y	-4.022	-4.017	1.108	2.217
56	M4	Y	-4.017	-3.974	2.217	3.325
57	M4	Y	-3.974	-3	3.325	4.433
58	M4	Y	-3	-1.128	4.433	5.542
59	M6	Y	-1.06	-2.862	0	1.208
60	M6	Y	-2.862	-4.659	1.208	2.417
61	M6	Y	-4.659	-4.619	2.417	3.625
62	M6	Y	-4.619	-2.991	3.625	4.833
63	M6	Y	-2.991	-1.607	4.833	6.042
64	M141	Y	-.64	-5.76	0	.317
65	M141	Y	-5.76	-8.647	.317	.633
66	M141	Y	-8.647	-7.435	.633	.95
67	M141	Y	-7.435	-4.702	.95	1.267
68	M141	Y	-4.702	-2.315	1.267	1.583
69	M127A	Y	-11	-11	.397	1.188



Company :
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 Job Number :
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Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
70	M128	Y	-11.008	-11.008	.397	1.188
71	M129B	Y	-11.046	-11.046	.394	1.191
72	M130B	Y	-5.24	-8.039	0	.317
73	M130B	Y	-8.039	-8.161	.317	.634
74	M130B	Y	-8.161	-8.145	.634	.95
75	M130B	Y	-8.145	-8.012	.95	1.267
76	M130B	Y	-8.012	-.524	1.267	1.584
77	M131A	Y	-5.5	-5.5	.397	1.188
78	M5	Y	-1.754	-2.756	0	1.108
79	M5	Y	-2.756	-3.612	1.108	2.217
80	M5	Y	-3.612	-3.973	2.217	3.325
81	M5	Y	-3.973	-3.979	3.325	4.433
82	M5	Y	-3.979	-3.979	4.433	5.542
83	M7	Y	-1.737	-2.542	0	1.208
84	M7	Y	-2.542	-4.235	1.208	2.417
85	M7	Y	-4.235	-4.63	2.417	3.625
86	M7	Y	-4.63	-2.833	3.625	4.833
87	M7	Y	-2.833	-1.031	4.833	6.042
88	M142	Y	-1.262	-4.474	0	.317
89	M142	Y	-4.474	-7.092	.317	.633
90	M142	Y	-7.092	-7.089	.633	.95
91	M142	Y	-7.089	-4.472	.95	1.267
92	M142	Y	-4.472	-1.265	1.267	1.583
93	M126	Y	-6.21	-6.21	0	.25
94	M132A	Y	-11	-11	.397	1.188
95	M133A	Y	-11.008	-11.008	.397	1.188
96	M134A	Y	-5.228	-5.449	0	.792
97	M134A	Y	-5.449	-5.67	.792	1.584
98	M135A	Y	-.382	-5.725	0	.317
99	M135A	Y	-5.725	-12.514	.317	.634
100	M135A	Y	-12.514	-12.468	.634	.95
101	M135A	Y	-12.468	-5.671	.95	1.267
102	M135A	Y	-5.671	-.382	1.267	1.584
103	M136A	Y	-5.5	-5.5	.397	1.188
104	M20	Y	-2.75	-2.75	.208	1.792
105	M21	Y	-3.98	-3.98	0	1.109
106	M21	Y	-3.98	-3.975	1.109	2.217
107	M21	Y	-3.975	-3.614	2.217	3.326
108	M21	Y	-3.614	-2.757	3.326	4.434
109	M21	Y	-2.757	-1.754	4.434	5.543
110	M23	Y	-1.096	-2.899	0	1.208
111	M23	Y	-2.899	-4.697	1.208	2.417
112	M23	Y	-4.697	-4.945	2.417	3.625
113	M23	Y	-4.945	-3.25	3.625	4.833
114	M23	Y	-3.25	-1.159	4.833	6.042
115	M143	Y	-1.262	-4.474	0	.317
116	M143	Y	-4.474	-7.092	.317	.634
117	M143	Y	-7.092	-7.089	.634	.95
118	M143	Y	-7.089	-4.472	.95	1.267
119	M143	Y	-4.472	-1.265	1.267	1.584
120	M137A	Y	-11	-11	.396	1.188
121	M138B	Y	-11.005	-11.005	.396	1.188
122	M139B	Y	-5.233	-5.452	0	.792
123	M139B	Y	-5.452	-5.671	.792	1.584
124	M140A	Y	-.382	-5.728	0	.317
125	M140A	Y	-5.728	-12.521	.317	.634
126	M140A	Y	-12.521	-12.474	.634	.95
127	M140A	Y	-12.474	-5.674	.95	1.267
128	M140A	Y	-5.674	-.382	1.267	1.584



Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
129	M141B	Y	-5.5	-5.5	.396	1.188
130	M22	Y	-1.159	-3.453	0	1.108
131	M22	Y	-3.453	-4.323	1.108	2.217
132	M22	Y	-4.323	-4.044	2.217	3.325
133	M22	Y	-4.044	-4.044	3.325	4.433
134	M22	Y	-4.044	-4.043	4.433	5.542
135	M24	Y	-1.695	-2.624	0	1.208
136	M24	Y	-2.624	-4.316	1.208	2.417
137	M24	Y	-4.316	-4.642	2.417	3.625
138	M24	Y	-4.642	-2.839	3.625	4.833
139	M24	Y	-2.839	-1.037	4.833	6.042
140	M144	Y	-1.265	-4.472	0	.317
141	M144	Y	-4.472	-7.089	.317	.634
142	M144	Y	-7.089	-7.092	.634	.95
143	M144	Y	-7.092	-4.474	.95	1.267
144	M144	Y	-4.474	-1.262	1.267	1.584
145	M142B	Y	-10.999	-10.999	.396	1.188
146	M143A	Y	-11.005	-11.005	.396	1.188
147	M144A	Y	-5.639	-5.423	0	.792
148	M144A	Y	-5.423	-5.206	.792	1.584
149	M145A	Y	-.382	-5.671	0	.317
150	M145A	Y	-5.671	-12.466	.317	.634
151	M145A	Y	-12.466	-12.513	.634	.95
152	M145A	Y	-12.513	-5.725	.95	1.267
153	M145A	Y	-5.725	-.382	1.267	1.584
154	M146A	Y	-5.5	-5.5	.397	1.188
155	M37	Y	-2.75	-2.75	.208	1.792
156	M38	Y	-3.98	-3.98	0	1.109
157	M38	Y	-3.98	-3.975	1.109	2.217
158	M38	Y	-3.975	-3.614	2.217	3.326
159	M38	Y	-3.614	-2.757	3.326	4.434
160	M38	Y	-2.757	-1.754	4.434	5.543
161	M40	Y	-1.096	-2.899	0	1.208
162	M40	Y	-2.899	-4.697	1.208	2.417
163	M40	Y	-4.697	-4.945	2.417	3.625
164	M40	Y	-4.945	-3.251	3.625	4.833
165	M40	Y	-3.251	-1.159	4.833	6.042
166	M145	Y	-1.262	-4.474	0	.317
167	M145	Y	-4.474	-7.092	.317	.634
168	M145	Y	-7.092	-7.089	.634	.95
169	M145	Y	-7.089	-4.472	.95	1.267
170	M145	Y	-4.472	-1.265	1.267	1.584
171	M147A	Y	-11	-11	.396	1.188
172	M148A	Y	-11.005	-11.005	.396	1.188
173	M149A	Y	-5.234	-5.453	0	.792
174	M149A	Y	-5.453	-5.671	.792	1.584
175	M150B	Y	-.382	-5.727	0	.317
176	M150B	Y	-5.727	-12.519	.317	.634
177	M150B	Y	-12.519	-12.471	.634	.95
178	M150B	Y	-12.471	-5.672	.95	1.267
179	M150B	Y	-5.672	-.382	1.267	1.584
180	M151	Y	-5.5	-5.5	.396	1.188
181	M39	Y	-1.75	-2.763	0	1.108
182	M39	Y	-2.763	-3.625	1.108	2.217
183	M39	Y	-3.625	-3.98	2.217	3.325
184	M39	Y	-3.98	-3.98	3.325	4.433
185	M39	Y	-3.98	-3.979	4.433	5.542
186	M41	Y	-1.732	-2.55	0	1.208
187	M41	Y	-2.55	-4.248	1.208	2.417



Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
188	M41	Y	-4.248	-4.636	2.417	3.625
189	M41	Y	-4.636	-2.834	3.625	4.833
190	M41	Y	-2.834	-1.032	4.833	6.042
191	M146	Y	-1.262	-4.474	0	.317
192	M146	Y	-4.474	-7.092	.317	.634
193	M146	Y	-7.092	-7.089	.634	.95
194	M146	Y	-7.089	-4.472	.95	1.267
195	M146	Y	-4.472	-1.265	1.267	1.584
196	M150	Y	-6.202	-6.202	0	.25
197	M152A	Y	-11.001	-11.001	.397	1.188
198	M153B	Y	-11.007	-11.007	.396	1.188
199	M154B	Y	-5.205	-5.422	0	.792
200	M154B	Y	-5.422	-5.639	.792	1.584
201	M155D	Y	-.382	-5.725	0	.317
202	M155D	Y	-5.725	-12.516	.317	.634
203	M155D	Y	-12.516	-12.476	.634	.95
204	M155D	Y	-12.476	-5.678	.95	1.267
205	M155D	Y	-5.678	-.382	1.267	1.584
206	M156D	Y	-5.5	-5.5	.397	1.188

Member Distributed Loads (BLC 89 : BLC 84 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M54	Y	-.055	-.055	.208	1.792
2	M55	Y	-.081	-.081	0	1.109
3	M55	Y	-.081	-.081	1.109	2.217
4	M55	Y	-.081	-.087	2.217	3.326
5	M55	Y	-.087	-.069	3.326	4.434
6	M55	Y	-.069	-.023	4.434	5.543
7	M57	Y	-.021	-.057	0	1.208
8	M57	Y	-.057	-.093	1.208	2.417
9	M57	Y	-.093	-.087	2.417	3.625
10	M57	Y	-.087	-.053	3.625	4.833
11	M57	Y	-.053	-.034	4.833	6.042
12	M60	Y	-.221	-.221	.396	1.188
13	M61	Y	-.221	-.221	.396	1.188
14	M62	Y	-.114	-.11	0	.792
15	M62	Y	-.11	-.105	.792	1.584
16	M63	Y	-.008	-.114	0	.317
17	M63	Y	-.114	-.251	.317	.634
18	M63	Y	-.251	-.252	.634	.95
19	M63	Y	-.252	-.115	.95	1.267
20	M63	Y	-.115	-.008	1.267	1.584
21	M147	Y	-.025	-.09	0	.317
22	M147	Y	-.09	-.142	.317	.634
23	M147	Y	-.142	-.142	.634	.95
24	M147	Y	-.142	-.09	.95	1.267
25	M147	Y	-.09	-.025	1.267	1.584
26	M156B	Y	-.11	-.11	.396	1.188
27	M56	Y	-.035	-.055	0	1.108
28	M56	Y	-.055	-.073	1.108	2.217
29	M56	Y	-.073	-.08	2.217	3.325
30	M56	Y	-.08	-.08	3.325	4.434
31	M56	Y	-.08	-.08	4.434	5.542
32	M58	Y	-.035	-.051	0	1.208
33	M58	Y	-.051	-.085	1.208	2.417
34	M58	Y	-.085	-.093	2.417	3.625
35	M58	Y	-.093	-.057	3.625	4.833
36	M58	Y	-.057	-.021	4.833	6.042



Company :
 Designer :
 Job Number :
 Model Name :

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Member Distributed Loads (BLC 89 : BLC 84 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
37	M148	Y	-.025	-.09	0	.317
38	M148	Y	-.09	-.142	.317	.634
39	M148	Y	-.142	-.142	.634	.95
40	M148	Y	-.142	-.09	.95	1.267
41	M148	Y	-.09	-.025	1.267	1.584
42	M160A	Y	-.125	-.125	0	.25
43	M152	Y	-.221	-.221	.396	1.188
44	M153	Y	-.221	-.221	.396	1.188
45	M154A	Y	-.105	-.11	0	.792
46	M154A	Y	-.11	-.114	.792	1.584
47	M155C	Y	-.008	-.115	0	.317
48	M155C	Y	-.115	-.252	.317	.634
49	M155C	Y	-.252	-.251	.634	.95
50	M155C	Y	-.251	-.114	.95	1.267
51	M155C	Y	-.114	-.008	1.267	1.584
52	M156C	Y	-.11	-.11	.396	1.188
53	M3	Y	-.055	-.055	.208	1.792
54	M4	Y	-.081	-.081	0	1.108
55	M4	Y	-.081	-.081	1.108	2.217
56	M4	Y	-.081	-.08	2.217	3.325
57	M4	Y	-.08	-.06	3.325	4.433
58	M4	Y	-.06	-.023	4.433	5.542
59	M6	Y	-.021	-.057	0	1.208
60	M6	Y	-.057	-.094	1.208	2.417
61	M6	Y	-.094	-.093	2.417	3.625
62	M6	Y	-.093	-.06	3.625	4.833
63	M6	Y	-.06	-.032	4.833	6.042
64	M141	Y	-.013	-.116	0	.317
65	M141	Y	-.116	-.174	.317	.633
66	M141	Y	-.174	-.149	.633	.95
67	M141	Y	-.149	-.094	.95	1.267
68	M141	Y	-.094	-.047	1.267	1.583
69	M127A	Y	-.221	-.221	.397	1.188
70	M128	Y	-.221	-.221	.397	1.188
71	M129B	Y	-.222	-.222	.394	1.191
72	M130B	Y	-.011	-.162	0	.317
73	M130B	Y	-.162	-.164	.317	.634
74	M130B	Y	-.164	-.164	.634	.95
75	M130B	Y	-.164	-.161	.95	1.267
76	M130B	Y	-.161	-.011	1.267	1.584
77	M131A	Y	-.11	-.11	.397	1.188
78	M5	Y	-.035	-.055	0	1.108
79	M5	Y	-.055	-.073	1.108	2.217
80	M5	Y	-.073	-.08	2.217	3.325
81	M5	Y	-.08	-.08	3.325	4.433
82	M5	Y	-.08	-.08	4.433	5.542
83	M7	Y	-.035	-.051	0	1.208
84	M7	Y	-.051	-.085	1.208	2.417
85	M7	Y	-.085	-.093	2.417	3.625
86	M7	Y	-.093	-.057	3.625	4.833
87	M7	Y	-.057	-.021	4.833	6.042
88	M142	Y	-.025	-.09	0	.317
89	M142	Y	-.09	-.142	.317	.633
90	M142	Y	-.142	-.142	.633	.95
91	M142	Y	-.142	-.09	.95	1.267
92	M142	Y	-.09	-.025	1.267	1.583
93	M126	Y	-.125	-.125	0	.25
94	M132A	Y	-.221	-.221	.397	1.188
95	M133A	Y	-.221	-.221	.397	1.188

Member Distributed Loads (BLC 89 : BLC 84 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
96	M134A	Y	-.105	-.109	0	.792
97	M134A	Y	-.109	-.114	.792	1.584
98	M135A	Y	-.008	-.115	0	.317
99	M135A	Y	-.115	-.251	.317	.634
100	M135A	Y	-.251	-.25	.634	.95
101	M135A	Y	-.25	-.114	.95	1.267
102	M135A	Y	-.114	-.008	1.267	1.584
103	M136A	Y	-.11	-.11	.397	1.188
104	M20	Y	-.055	-.055	.208	1.792
105	M21	Y	-.08	-.08	0	1.109
106	M21	Y	-.08	-.08	1.109	2.217
107	M21	Y	-.08	-.073	2.217	3.326
108	M21	Y	-.073	-.055	3.326	4.434
109	M21	Y	-.055	-.035	4.434	5.543
110	M23	Y	-.022	-.058	0	1.208
111	M23	Y	-.058	-.094	1.208	2.417
112	M23	Y	-.094	-.099	2.417	3.625
113	M23	Y	-.099	-.065	3.625	4.833
114	M23	Y	-.065	-.023	4.833	6.042
115	M143	Y	-.025	-.09	0	.317
116	M143	Y	-.09	-.142	.317	.634
117	M143	Y	-.142	-.142	.634	.95
118	M143	Y	-.142	-.09	.95	1.267
119	M143	Y	-.09	-.025	1.267	1.584
120	M137A	Y	-.221	-.221	.396	1.188
121	M138B	Y	-.221	-.221	.396	1.188
122	M139B	Y	-.105	-.11	0	.792
123	M139B	Y	-.11	-.114	.792	1.584
124	M140A	Y	-.008	-.115	0	.317
125	M140A	Y	-.115	-.252	.317	.634
126	M140A	Y	-.252	-.251	.634	.95
127	M140A	Y	-.251	-.114	.95	1.267
128	M140A	Y	-.114	-.008	1.267	1.584
129	M141B	Y	-.11	-.11	.396	1.188
130	M22	Y	-.023	-.069	0	1.108
131	M22	Y	-.069	-.087	1.108	2.217
132	M22	Y	-.087	-.081	2.217	3.325
133	M22	Y	-.081	-.081	3.325	4.433
134	M22	Y	-.081	-.081	4.433	5.542
135	M24	Y	-.034	-.053	0	1.208
136	M24	Y	-.053	-.087	1.208	2.417
137	M24	Y	-.087	-.093	2.417	3.625
138	M24	Y	-.093	-.057	3.625	4.833
139	M24	Y	-.057	-.021	4.833	6.042
140	M144	Y	-.025	-.09	0	.317
141	M144	Y	-.09	-.142	.317	.634
142	M144	Y	-.142	-.142	.634	.95
143	M144	Y	-.142	-.09	.95	1.267
144	M144	Y	-.09	-.025	1.267	1.584
145	M142B	Y	-.221	-.221	.396	1.188
146	M143A	Y	-.221	-.221	.396	1.188
147	M144A	Y	-.113	-.109	0	.792
148	M144A	Y	-.109	-.105	.792	1.584
149	M145A	Y	-.008	-.114	0	.317
150	M145A	Y	-.114	-.25	.317	.634
151	M145A	Y	-.25	-.251	.634	.95
152	M145A	Y	-.251	-.115	.95	1.267
153	M145A	Y	-.115	-.008	1.267	1.584
154	M146A	Y	-.11	-.11	.397	1.188

Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft...]	Start Location[ft.%]	End Location[ft.%]
4	M55	Z	-.203	-.216	2.217	3.326
5	M55	Z	-.216	-.173	3.326	4.434
6	M55	Z	-.173	-.058	4.434	5.543
7	M57	Z	-.052	-.143	0	1.208
8	M57	Z	-.143	-.233	1.208	2.417
9	M57	Z	-.233	-.216	2.417	3.625
10	M57	Z	-.216	-.131	3.625	4.833
11	M57	Z	-.131	-.085	4.833	6.042
12	M60	Z	-.552	-.552	.396	1.188
13	M61	Z	-.552	-.552	.396	1.188
14	M62	Z	-.285	-.274	0	.792
15	M62	Z	-.274	-.262	.792	1.584
16	M63	Z	-.019	-.285	0	.317
17	M63	Z	-.285	-.626	.317	.634
18	M63	Z	-.626	-.628	.634	.95
19	M63	Z	-.628	-.287	.95	1.267
20	M63	Z	-.287	-.019	1.267	1.584
21	M147	Z	-.063	-.224	0	.317
22	M147	Z	-.224	-.356	.317	.634
23	M147	Z	-.356	-.356	.634	.95
24	M147	Z	-.356	-.225	.95	1.267
25	M147	Z	-.225	-.063	1.267	1.584
26	M156B	Z	-.276	-.276	.396	1.188
27	M56	Z	-.088	-.138	0	1.108
28	M56	Z	-.138	-.181	1.108	2.217
29	M56	Z	-.181	-.199	2.217	3.325
30	M56	Z	-.199	-.2	3.325	4.434
31	M56	Z	-.2	-.2	4.434	5.542
32	M58	Z	-.087	-.128	0	1.208
33	M58	Z	-.128	-.213	1.208	2.417
34	M58	Z	-.213	-.232	2.417	3.625
35	M58	Z	-.232	-.142	3.625	4.833
36	M58	Z	-.142	-.052	4.833	6.042
37	M148	Z	-.063	-.225	0	.317
38	M148	Z	-.225	-.356	.317	.634
39	M148	Z	-.356	-.356	.634	.95
40	M148	Z	-.356	-.224	.95	1.267
41	M148	Z	-.224	-.063	1.267	1.584
42	M160A	Z	-.312	-.312	0	.25
43	M152	Z	-.552	-.552	.396	1.188
44	M153	Z	-.552	-.552	.396	1.188
45	M154A	Z	-.263	-.274	0	.792
46	M154A	Z	-.274	-.285	.792	1.584
47	M155C	Z	-.019	-.287	0	.317
48	M155C	Z	-.287	-.628	.317	.634
49	M155C	Z	-.628	-.626	.634	.95
50	M155C	Z	-.626	-.285	.95	1.267
51	M155C	Z	-.285	-.019	1.267	1.584
52	M156C	Z	-.276	-.276	.396	1.188
53	M3	Z	-.138	-.138	.208	1.792
54	M4	Z	-.202	-.202	0	1.108
55	M4	Z	-.202	-.202	1.108	2.217
56	M4	Z	-.202	-.199	2.217	3.325
57	M4	Z	-.199	-.151	3.325	4.433
58	M4	Z	-.151	-.057	4.433	5.542
59	M6	Z	-.053	-.144	0	1.208
60	M6	Z	-.144	-.234	1.208	2.417
61	M6	Z	-.234	-.232	2.417	3.625
62	M6	Z	-.232	-.15	3.625	4.833



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Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
63	M6	Z	-15	-.081	4.833	6.042
64	M141	Z	-.032	-.289	0	.317
65	M141	Z	-.289	-.434	.317	.633
66	M141	Z	-.434	-.373	.633	.95
67	M141	Z	-.373	-.236	.95	1.267
68	M141	Z	-.236	-.116	1.267	1.583
69	M127A	Z	-.552	-.552	.397	1.188
70	M128	Z	-.552	-.552	.397	1.188
71	M129B	Z	-.554	-.554	.394	1.191
72	M130B	Z	-.026	-.403	0	.317
73	M130B	Z	-.403	-.41	.317	.634
74	M130B	Z	-.41	-.409	.634	.95
75	M130B	Z	-.409	-.402	.95	1.267
76	M130B	Z	-.402	-.026	1.267	1.584
77	M131A	Z	-.276	-.276	.397	1.188
78	M5	Z	-.088	-.138	0	1.108
79	M5	Z	-.138	-.181	1.108	2.217
80	M5	Z	-.181	-.199	2.217	3.325
81	M5	Z	-.199	-.2	3.325	4.433
82	M5	Z	-.2	-.2	4.433	5.542
83	M7	Z	-.087	-.128	0	1.208
84	M7	Z	-.128	-.213	1.208	2.417
85	M7	Z	-.213	-.232	2.417	3.625
86	M7	Z	-.232	-.142	3.625	4.833
87	M7	Z	-.142	-.052	4.833	6.042
88	M142	Z	-.063	-.225	0	.317
89	M142	Z	-.225	-.356	.317	.633
90	M142	Z	-.356	-.356	.633	.95
91	M142	Z	-.356	-.224	.95	1.267
92	M142	Z	-.224	-.063	1.267	1.583
93	M126	Z	-.312	-.312	0	.25
94	M132A	Z	-.552	-.552	.397	1.188
95	M133A	Z	-.552	-.552	.397	1.188
96	M134A	Z	-.262	-.273	0	.792
97	M134A	Z	-.273	-.285	.792	1.584
98	M135A	Z	-.019	-.287	0	.317
99	M135A	Z	-.287	-.628	.317	.634
100	M135A	Z	-.628	-.626	.634	.95
101	M135A	Z	-.626	-.285	.95	1.267
102	M135A	Z	-.285	-.019	1.267	1.584
103	M136A	Z	-.276	-.276	.397	1.188
104	M20	Z	-.138	-.138	.208	1.792
105	M21	Z	-.2	-.2	0	1.109
106	M21	Z	-.2	-.199	1.109	2.217
107	M21	Z	-.199	-.181	2.217	3.326
108	M21	Z	-.181	-.138	3.326	4.434
109	M21	Z	-.138	-.088	4.434	5.543
110	M23	Z	-.055	-.145	0	1.208
111	M23	Z	-.145	-.236	1.208	2.417
112	M23	Z	-.236	-.248	2.417	3.625
113	M23	Z	-.248	-.163	3.625	4.833
114	M23	Z	-.163	-.058	4.833	6.042
115	M143	Z	-.063	-.225	0	.317
116	M143	Z	-.225	-.356	.317	.634
117	M143	Z	-.356	-.356	.634	.95
118	M143	Z	-.356	-.224	.95	1.267
119	M143	Z	-.224	-.063	1.267	1.584
120	M137A	Z	-.552	-.552	.396	1.188
121	M138B	Z	-.552	-.552	.396	1.188

Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
122	M139B	Z	-.263	-.274	0	.792
123	M139B	Z	-.274	-.285	.792	1.584
124	M140A	Z	-.019	-.287	0	.317
125	M140A	Z	-.287	-.628	.317	.634
126	M140A	Z	-.628	-.626	.634	.95
127	M140A	Z	-.626	-.285	.95	1.267
128	M140A	Z	-.285	-.019	1.267	1.584
129	M141B	Z	-.276	-.276	.396	1.188
130	M22	Z	-.058	-.173	0	1.108
131	M22	Z	-.173	-.217	1.108	2.217
132	M22	Z	-.217	-.203	2.217	3.325
133	M22	Z	-.203	-.203	3.325	4.433
134	M22	Z	-.203	-.203	4.433	5.542
135	M24	Z	-.085	-.132	0	1.208
136	M24	Z	-.132	-.217	1.208	2.417
137	M24	Z	-.217	-.233	2.417	3.625
138	M24	Z	-.233	-.142	3.625	4.833
139	M24	Z	-.142	-.052	4.833	6.042
140	M144	Z	-.063	-.224	0	.317
141	M144	Z	-.224	-.356	.317	.634
142	M144	Z	-.356	-.356	.634	.95
143	M144	Z	-.356	-.225	.95	1.267
144	M144	Z	-.225	-.063	1.267	1.584
145	M142B	Z	-.552	-.552	.396	1.188
146	M143A	Z	-.552	-.552	.396	1.188
147	M144A	Z	-.283	-.272	0	.792
148	M144A	Z	-.272	-.261	.792	1.584
149	M145A	Z	-.019	-.285	0	.317
150	M145A	Z	-.285	-.626	.317	.634
151	M145A	Z	-.626	-.628	.634	.95
152	M145A	Z	-.628	-.287	.95	1.267
153	M145A	Z	-.287	-.019	1.267	1.584
154	M146A	Z	-.276	-.276	.397	1.188
155	M37	Z	-.138	-.138	.208	1.792
156	M38	Z	-.2	-.2	0	1.109
157	M38	Z	-.2	-.199	1.109	2.217
158	M38	Z	-.199	-.181	2.217	3.326
159	M38	Z	-.181	-.138	3.326	4.434
160	M38	Z	-.138	-.088	4.434	5.543
161	M40	Z	-.055	-.145	0	1.208
162	M40	Z	-.145	-.236	1.208	2.417
163	M40	Z	-.236	-.248	2.417	3.625
164	M40	Z	-.248	-.163	3.625	4.833
165	M40	Z	-.163	-.058	4.833	6.042
166	M145	Z	-.063	-.225	0	.317
167	M145	Z	-.225	-.356	.317	.634
168	M145	Z	-.356	-.356	.634	.95
169	M145	Z	-.356	-.224	.95	1.267
170	M145	Z	-.224	-.063	1.267	1.584
171	M147A	Z	-.552	-.552	.396	1.188
172	M148A	Z	-.552	-.552	.396	1.188
173	M149A	Z	-.263	-.274	0	.792
174	M149A	Z	-.274	-.285	.792	1.584
175	M150B	Z	-.019	-.287	0	.317
176	M150B	Z	-.287	-.628	.317	.634
177	M150B	Z	-.628	-.626	.634	.95
178	M150B	Z	-.626	-.285	.95	1.267
179	M150B	Z	-.285	-.019	1.267	1.584
180	M151	Z	-.276	-.276	.396	1.188

Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
181	M39	Z	-088	-139	0	1.108
182	M39	Z	-139	-182	1.108	2.217
183	M39	Z	-182	-2	2.217	3.325
184	M39	Z	-2	-2	3.325	4.433
185	M39	Z	-2	-2	4.433	5.542
186	M41	Z	-087	-128	0	1.208
187	M41	Z	-128	-213	1.208	2.417
188	M41	Z	-213	-233	2.417	3.625
189	M41	Z	-233	-142	3.625	4.833
190	M41	Z	-142	-052	4.833	6.042
191	M146	Z	-063	-225	0	.317
192	M146	Z	-225	-356	.317	.634
193	M146	Z	-356	-356	.634	.95
194	M146	Z	-356	-224	.95	1.267
195	M146	Z	-224	-063	1.267	1.584
196	M150	Z	-311	-311	0	.25
197	M152A	Z	-552	-552	.397	1.188
198	M153B	Z	-552	-552	.396	1.188
199	M154B	Z	-261	-272	0	.792
200	M154B	Z	-272	-283	.792	1.584
201	M155D	Z	-019	-287	0	.317
202	M155D	Z	-287	-628	.317	.634
203	M155D	Z	-628	-626	.634	.95
204	M155D	Z	-626	-285	.95	1.267
205	M155D	Z	-285	-019	1.267	1.584
206	M156D	Z	-276	-276	.397	1.188

Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M54	X	.138	.138	.208	1.792
2	M55	X	.203	.203	0	1.109
3	M55	X	.203	.203	1.109	2.217
4	M55	X	.203	.216	2.217	3.326
5	M55	X	.216	.173	3.326	4.434
6	M55	X	.173	.058	4.434	5.543
7	M57	X	.052	.143	0	1.208
8	M57	X	.143	.233	1.208	2.417
9	M57	X	.233	.216	2.417	3.625
10	M57	X	.216	.131	3.625	4.833
11	M57	X	.131	.085	4.833	6.042
12	M60	X	.552	.552	.396	1.188
13	M61	X	.552	.552	.396	1.188
14	M62	X	.285	.274	0	.792
15	M62	X	.274	.262	.792	1.584
16	M63	X	.019	.285	0	.317
17	M63	X	.285	.626	.317	.634
18	M63	X	.626	.628	.634	.95
19	M63	X	.628	.287	.95	1.267
20	M63	X	.287	.019	1.267	1.584
21	M147	X	.063	.224	0	.317
22	M147	X	.224	.356	.317	.634
23	M147	X	.356	.356	.634	.95
24	M147	X	.356	.225	.95	1.267
25	M147	X	.225	.063	1.267	1.584
26	M156B	X	.276	.276	.396	1.188
27	M56	X	.088	.138	0	1.108
28	M56	X	.138	.181	1.108	2.217
29	M56	X	.181	.199	2.217	3.325



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Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft...]	Start Location[ft,%]	End Location[ft,%]
30	M56	X	.199	.2	3.325	4.434
31	M56	X	.2	.2	4.434	5.542
32	M58	X	.087	.128	0	1.208
33	M58	X	.128	.213	1.208	2.417
34	M58	X	.213	.232	2.417	3.625
35	M58	X	.232	.142	3.625	4.833
36	M58	X	.142	.052	4.833	6.042
37	M148	X	.063	.225	0	.317
38	M148	X	.225	.356	.317	.634
39	M148	X	.356	.356	.634	.95
40	M148	X	.356	.224	.95	1.267
41	M148	X	.224	.063	1.267	1.584
42	M160A	X	.312	.312	0	.25
43	M152	X	.552	.552	.396	1.188
44	M153	X	.552	.552	.396	1.188
45	M154A	X	.263	.274	0	.792
46	M154A	X	.274	.285	.792	1.584
47	M155C	X	.019	.287	0	.317
48	M155C	X	.287	.628	.317	.634
49	M155C	X	.628	.626	.634	.95
50	M155C	X	.626	.285	.95	1.267
51	M155C	X	.285	.019	1.267	1.584
52	M156C	X	.276	.276	.396	1.188
53	M3	X	.138	.138	.208	1.792
54	M4	X	.202	.202	0	1.108
55	M4	X	.202	.202	1.108	2.217
56	M4	X	.202	.199	2.217	3.325
57	M4	X	.199	.151	3.325	4.433
58	M4	X	.151	.057	4.433	5.542
59	M6	X	.053	.144	0	1.208
60	M6	X	.144	.234	1.208	2.417
61	M6	X	.234	.232	2.417	3.625
62	M6	X	.232	.15	3.625	4.833
63	M6	X	.15	.081	4.833	6.042
64	M141	X	.032	.289	0	.317
65	M141	X	.289	.434	.317	.633
66	M141	X	.434	.373	.633	.95
67	M141	X	.373	.236	.95	1.267
68	M141	X	.236	.116	1.267	1.583
69	M127A	X	.552	.552	.397	1.188
70	M128	X	.552	.552	.397	1.188
71	M129B	X	.554	.554	.394	1.191
72	M130B	X	.026	.403	0	.317
73	M130B	X	.403	.41	.317	.634
74	M130B	X	.41	.409	.634	.95
75	M130B	X	.409	.402	.95	1.267
76	M130B	X	.402	.026	1.267	1.584
77	M131A	X	.276	.276	.397	1.188
78	M5	X	.088	.138	0	1.108
79	M5	X	.138	.181	1.108	2.217
80	M5	X	.181	.199	2.217	3.325
81	M5	X	.199	.2	3.325	4.433
82	M5	X	.2	.2	4.433	5.542
83	M7	X	.087	.128	0	1.208
84	M7	X	.128	.213	1.208	2.417
85	M7	X	.213	.232	2.417	3.625
86	M7	X	.232	.142	3.625	4.833
87	M7	X	.142	.052	4.833	6.042
88	M142	X	.063	.225	0	.317



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Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
89	M142	X	.225	.356	.317	.633
90	M142	X	.356	.356	.633	.95
91	M142	X	.356	.224	.95	1.267
92	M142	X	.224	.063	1.267	1.583
93	M126	X	.312	.312	0	.25
94	M132A	X	.552	.552	.397	1.188
95	M133A	X	.552	.552	.397	1.188
96	M134A	X	.262	.273	0	.792
97	M134A	X	.273	.285	.792	1.584
98	M135A	X	.019	.287	0	.317
99	M135A	X	.287	.628	.317	.634
100	M135A	X	.628	.626	.634	.95
101	M135A	X	.626	.285	.95	1.267
102	M135A	X	.285	.019	1.267	1.584
103	M135A	X	.276	.276	.397	1.188
104	M136A	X	.138	.138	.208	1.792
105	M20	X	.2	.2	0	1.109
106	M21	X	.2	.199	1.109	2.217
107	M21	X	.199	.181	2.217	3.326
108	M21	X	.181	.138	3.326	4.434
109	M21	X	.138	.088	4.434	5.543
110	M23	X	.055	.145	0	1.208
111	M23	X	.145	.236	1.208	2.417
112	M23	X	.236	.248	2.417	3.625
113	M23	X	.248	.163	3.625	4.833
114	M23	X	.163	.058	4.833	6.042
115	M143	X	.063	.225	0	.317
116	M143	X	.225	.356	.317	.634
117	M143	X	.356	.356	.634	.95
118	M143	X	.356	.224	.95	1.267
119	M143	X	.224	.063	1.267	1.584
120	M137A	X	.552	.552	.396	1.188
121	M138B	X	.552	.552	.396	1.188
122	M139B	X	.263	.274	0	.792
123	M139B	X	.274	.285	.792	1.584
124	M140A	X	.019	.287	0	.317
125	M140A	X	.287	.628	.317	.634
126	M140A	X	.628	.626	.634	.95
127	M140A	X	.626	.285	.95	1.267
128	M140A	X	.285	.019	1.267	1.584
129	M141B	X	.276	.276	.396	1.188
130	M22	X	.058	.173	0	1.108
131	M22	X	.173	.217	1.108	2.217
132	M22	X	.217	.203	2.217	3.325
133	M22	X	.203	.203	3.325	4.433
134	M22	X	.203	.203	4.433	5.542
135	M24	X	.085	.132	0	1.208
136	M24	X	.132	.217	1.208	2.417
137	M24	X	.217	.233	2.417	3.625
138	M24	X	.233	.142	3.625	4.833
139	M24	X	.142	.052	4.833	6.042
140	M144	X	.063	.224	0	.317
141	M144	X	.224	.356	.317	.634
142	M144	X	.356	.356	.634	.95
143	M144	X	.356	.225	.95	1.267
144	M144	X	.225	.063	1.267	1.584
145	M142B	X	.552	.552	.396	1.188
146	M143A	X	.552	.552	.396	1.188
147	M144A	X	.283	.272	0	.792



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Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude lb/ft...	End Magnitude lb/ft...	Start Location ft,%	End Location ft,%
148	M144A	X	.272	.261	.792	1.584
149	M145A	X	.019	.285	0	.317
150	M145A	X	.285	.626	.317	.634
151	M145A	X	.626	.628	.634	.95
152	M145A	X	.628	.287	.95	1.267
153	M145A	X	.287	.019	1.267	1.584
154	M146A	X	.276	.276	.397	1.188
155	M37	X	.138	.138	.208	1.792
156	M38	X	.2	.2	0	1.109
157	M38	X	.2	.199	1.109	2.217
158	M38	X	.199	.181	2.217	3.326
159	M38	X	.181	.138	3.326	4.434
160	M38	X	.138	.088	4.434	5.543
161	M40	X	.055	.145	0	1.208
162	M40	X	.145	.236	1.208	2.417
163	M40	X	.236	.248	2.417	3.625
164	M40	X	.248	.163	3.625	4.833
165	M40	X	.163	.058	4.833	6.042
166	M145	X	.063	.225	0	.317
167	M145	X	.225	.356	.317	.634
168	M145	X	.356	.356	.634	.95
169	M145	X	.356	.224	.95	1.267
170	M145	X	.224	.063	1.267	1.584
171	M147A	X	.552	.552	.396	1.188
172	M148A	X	.552	.552	.396	1.188
173	M149A	X	.263	.274	0	.792
174	M149A	X	.274	.285	.792	1.584
175	M150B	X	.019	.287	0	.317
176	M150B	X	.287	.628	.317	.634
177	M150B	X	.628	.626	.634	.95
178	M150B	X	.626	.285	.95	1.267
179	M150B	X	.285	.019	1.267	1.584
180	M151	X	.276	.276	.396	1.188
181	M39	X	.088	.139	0	1.108
182	M39	X	.139	.182	1.108	2.217
183	M39	X	.182	.2	2.217	3.325
184	M39	X	.2	.2	3.325	4.433
185	M39	X	.2	.2	4.433	5.542
186	M41	X	.087	.128	0	1.208
187	M41	X	.128	.213	1.208	2.417
188	M41	X	.213	.233	2.417	3.625
189	M41	X	.233	.142	3.625	4.833
190	M41	X	.142	.052	4.833	6.042
191	M146	X	.063	.225	0	.317
192	M146	X	.225	.356	.317	.634
193	M146	X	.356	.356	.634	.95
194	M146	X	.356	.224	.95	1.267
195	M146	X	.224	.063	1.267	1.584
196	M150	X	.311	.311	0	.25
197	M152A	X	.552	.552	.397	1.188
198	M153B	X	.552	.552	.396	1.188
199	M154B	X	.261	.272	0	.792
200	M154B	X	.272	.283	.792	1.584
201	M155D	X	.019	.287	0	.317
202	M155D	X	.287	.628	.317	.634
203	M155D	X	.628	.626	.634	.95
204	M155D	X	.626	.285	.95	1.267
205	M155D	X	.285	.019	1.267	1.584
206	M156D	X	.276	.276	.397	1.188

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N280C	N103	N99	N273C	Y	Two Way	-.005
2	N103	N215	N274E	N99	Y	Two Way	-.005
3	N280A	N10	N6	N227B	Y	Two Way	-.005
4	N10	N218A	N236B	N6	Y	Two Way	-.005
5	N41	N293B	N247	N37	Y	Two Way	-.005
6	N244A	N41	N37	N256A	Y	Two Way	-.005
7	N72	N280B	N267B	N68	Y	Two Way	-.005
8	N72	N270	N276B	N68	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N280C	N103	N99	N273C	Y	Two Way	-.011
2	N103	N215	N274E	N99	Y	Two Way	-.011
3	N280A	N10	N6	N227B	Y	Two Way	-.011
4	N10	N218A	N236B	N6	Y	Two Way	-.011
5	N41	N293B	N247	N37	Y	Two Way	-.011
6	N244A	N41	N37	N256A	Y	Two Way	-.011
7	N72	N280B	N267B	N68	Y	Two Way	-.011
8	N72	N270	N276B	N68	Y	Two Way	-.011

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N280C	N103	N99	N273C	Y	Two Way	-.000221
2	N103	N215	N274E	N99	Y	Two Way	-.000221
3	N280A	N10	N6	N227B	Y	Two Way	-.000221
4	N10	N218A	N236B	N6	Y	Two Way	-.000221
5	N41	N293B	N247	N37	Y	Two Way	-.000221
6	N244A	N41	N37	N256A	Y	Two Way	-.000221
7	N72	N280B	N267B	N68	Y	Two Way	-.000221
8	N72	N270	N276B	N68	Y	Two Way	-.000221

Member Area Loads (BLC 85 : Structure Eh (0 Deg))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N280C	N103	N99	N273C	Z	Two Way	-.000552
2	N103	N215	N274E	N99	Z	Two Way	-.000552
3	N280A	N10	N6	N227B	Z	Two Way	-.000552
4	N10	N218A	N236B	N6	Z	Two Way	-.000552
5	N41	N293B	N247	N37	Z	Two Way	-.000552
6	N244A	N41	N37	N256A	Z	Two Way	-.000552
7	N72	N280B	N267B	N68	Z	Two Way	-.000552
8	N72	N270	N276B	N68	Z	Two Way	-.000552

Member Area Loads (BLC 86 : Structure Eh (90 Deg))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N280C	N103	N99	N273C	X	Two Way	.000552
2	N103	N215	N274E	N99	X	Two Way	.000552
3	N280A	N10	N6	N227B	X	Two Way	.000552
4	N10	N218A	N236B	N6	X	Two Way	.000552
5	N41	N293B	N247	N37	X	Two Way	.000552
6	N244A	N41	N37	N256A	X	Two Way	.000552
7	N72	N280B	N267B	N68	X	Two Way	.000552
8	N72	N270	N276B	N68	X	Two Way	.000552

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	N95	max	918.828	9	2776.816	19	2674.325	1	-4.317	64	2.019	9	1.227	16
2		min	-916.01	3	874.498	64	-2598.064	7	-13.805	19	-2.023	3	-953	34
3	N2	max	1926.618	10	3001.655	16	1012.955	1	.118	25	2.339	7	15.155	16
4		min	-1849.337	4	951.991	73	-1012.35	7	-.783	43	-2.347	1	4.763	73
5	N33	max	655.208	11	3458.389	13	1727.057	1	18.813	13	1.528	5	.236	28
6		min	-660.774	5	1091.104	70	-1798.718	7	5.866	70	-1.513	11	-.293	22
7	N64	max	1694.238	10	2148.271	22	152.984	1	1.095	13	.221	9	-3.302	67
8		min	-1765.684	4	694.242	67	-158.198	7	-.49	31	-.23	3	-10.374	22
9	Totals:	max	5011.661	10	11297.246	20	5567.322	1						
10		min	-5011.652	4	3654.911	65	-5567.33	7						

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

Member	Shape	Code Check	Loc(ft)	LC	Shear	Loc(ft)	Dir	LC	phi*Pnc [k]	phi*Pnt [lb]	phi*Mn y [k-ft]	phi*Mn z [k-ft]	Cb	Eqn	
1	M1	HSS5X3X8	.525	0	18	.070	0	y	19	219729.6	249228	21.045	30.464	1...	H1-1b
2	M2	HSS5X3X8	.000	0	7	.000	0	y	24	248273.1	249228	21.045	30.464	2...	H1-1b
3	M3	HSS6X4X6	.101	0	19	.092	.208	y	19	251773.1	255852	30.843	41.055	1...	H1-1b
4	M4	C5.56x2.063	.247	5.542	11	.080	5.542	y	22	54491.974	70889.904	2.33	10.913	2...	H1-1b
5	M5	C5.56x2.063	.287	0	3	.065	5.253	z	14	54491.974	70889.904	2.33	10.913	1...	H1-1b
6	M6	C5.56x2.063	.333	6.042	22	.153	4.783	y	22	53656.581	70889.904	2.33	10.913	1	H1-1b
7	M7	C5.56x2.063	.218	0	3	.165	1.259	y	22	53656.581	70889.904	2.33	10.913	1	H1-1b
8	M18	HSS5X3X8	.646	0	23	.055	0	y	22	219729.6	249228	21.045	30.464	1.4	H1-1b
9	M19	HSS5X3X8	.000	0	10	.000	0	y	21	248273.1	249228	21.045	30.464	2...	H1-1b
10	M20	HSS6X4X6	.147	0	17	.051	.208	y	16	251773.1	255852	30.843	41.055	1...	H1-1b
11	M21	C5.56x2.063	.178	5.543	8	.084	5.543	z	20	54490.467	70889.904	2.33	10.913	1	H1-1b
12	M22	C5.56x2.063	.202	0	12	.069	0	z	18	54491.974	70889.904	2.33	10.913	2...	H1-1b
13	M23	C5.56x2.063	.443	6.042	14	.132	1.762	y	17	53656.581	70889.904	2.33	10.913	1	H1-1b
14	M24	C5.56x2.063	.406	0	19	.099	0	y	19	53656.581	70889.904	2.33	10.913	1	H1-1b
15	M35	HSS5X3X8	.350	0	21	.075	0	y	13	219729.6	249228	21.045	30.464	1...	H1-1b
16	M36	HSS5X3X8	.000	0	7	.000	0	y	18	248273.1	249228	21.045	30.464	2...	H1-1b
17	M37	HSS6X4X6	.059	0	20	.060	0	y	13	251773.1	255852	30.843	41.055	1...	H1-1b
18	M38	C5.56x2.063	.204	5.543	10	.073	5.543	y	15	54490.467	70889.904	2.33	10.913	1...	H1-1b
19	M39	C5.56x2.063	.210	0	10	.057	0	y	17	54491.974	70889.904	2.33	10.913	1...	H1-1b
20	M40	C5.56x2.063	.218	6.042	10	.165	4.783	y	16	53656.581	70889.904	2.33	10.913	1	H1-1b
21	M41	C5.56x2.063	.183	0	10	.168	1.259	y	16	53656.581	70889.904	2.33	10.913	1	H1-1b
22	M52	HSS5X3X8	.466	0	20	.089	0	y	16	219729.6	249228	21.045	30.464	1...	H1-1b
23	M53	HSS5X3X8	.000	0	10	.000	0	y	23	248273.1	249228	21.045	30.464	2...	H1-1b
24	M54	HSS6X4X6	.094	0	21	.096	.208	y	33	251773.1	255852	30.843	41.055	1...	H1-1b
25	M55	C5.56x2.063	.211	5.543	8	.079	.346	y	34	54490.467	70889.904	2.33	10.913	2...	H1-1b
26	M56	C5.56x2.063	.251	0	12	.061	0	z	6	54490.467	70889.904	2.33	10.913	2...	H1-1b
27	M57	C5.56x2.063	.289	6.042	36	.129	4.783	z	1	53656.581	70889.904	2.33	10.913	1	H1-1b
28	M58	C5.56x2.063	.303	0	7	.094	1.259	z	6	53656.581	70889.904	2.33	10.913	1	H1-1b
29	M60	PL 1/4x4.375	.096	1.584	1	.053	0	y	25	3561.409	35437.5	.185	3.23	2...	H1-1b
30	M61	PL 1/4x4.375	.088	1.584	1	.049	0	y	25	3561.409	35437.5	.185	3.23	2...	H1-1b
31	M62	PL 1/4x4.375	.113	1.584	1	.041	0	y	25	3561.409	35437.5	.185	3.23	2...	H1-1b
32	M63	PL 1/4x4.375	.115	1.584	1	.032	0	y	25	3561.409	35437.5	.185	3.23	2...	H1-1b
33	M69	C5.56x2.063	.024	.767	8	.045	.767	z	24	67347.421	70889.904	2.33	10.913	1...	H1-1b
34	M70	PL 1/4x4.375	.106	1.274	16	.021	0	y	33	4118.471	35437.5	.185	3.23	1...	H1-1b
35	M71	C5.56x2.063	.041	.767	4	.096	.767	z	13	67347.421	70889.904	2.33	10.913	1...	H1-1b
36	M72	PL 1/4x4.375	.161	1.473	16	.071	0	y	18	4118.471	35437.5	.185	3.23	1...	H1-1b
37	M73	C5.56x2.063	.037	.767	11	.094	.767	z	18	67347.421	70889.904	2.33	10.913	1...	H1-1b
38	M74	PL 1/4x4.375	.121	1.473	21	.049	0	y	19	4118.471	35437.5	.185	3.23	1...	H1-1b
39	M75	C5.56x2.063	.024	.767	2	.047	.767	z	31	67347.421	70889.904	2.33	10.913	1...	H1-1b
40	M76	PL 1/4x4.375	.094	.752	15	.047	1.473	y	32	4118.471	35437.5	.185	3.23	1...	H1-1b
41	M77	PIPE 2.0	.277	12.24	13	.067	4.427		13	6295.422	32130	1.872	1.872	3...	H1-1b
42	M90	PIPE 2.0	.312	8.073	17	.126	4.427		13	6295.422	32130	1.872	1.872	2...	H1-1b
43	M103	PIPE 2.0	.159	.26	13	.038	4.427		16	6295.422	32130	1.872	1.872	3...	H1-1b



Company :
 Designer :
 Job Number :
 Model Name :

Jan 5, 2024
 1:27 PM
 Checked By: _____

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

Member	Shape	Code Check	Loc(ft)	LC	Shear	Loc(ft)	Dir	LC	phi*Pnc [phi*Pnt [lb]	phi*Mn y	phi*Mn z	Cb	Eqn
103	M150B	PL1/4x4.375	.175	1.584	4	.038	0	y	4	3561.409	35437.5	.185	3.23	2... H1-1b
104	M151	PL1/4x4.375	.168	1.584	24	.027	0	y	11	3561.409	35437.5	.185	3.23	2... H1-1b
105	M152A	PL1/4x4.375	.145	1.584	4	.039	0	y	3	3561.409	35437.5	.185	3.23	2... H1-1b
106	M153B	PL1/4x4.375	.145	1.584	4	.039	0	y	3	3561.409	35437.5	.185	3.23	2... H1-1b
107	M154B	PL1/4x4.375	.175	1.584	4	.039	0	y	3	3561.409	35437.5	.185	3.23	2... H1-1b
108	M155D	PL1/4x4.375	.182	1.584	4	.041	0	y	4	3561.409	35437.5	.185	3.23	2... H1-1b
109	M156D	PL1/4x4.375	.136	0	9	.033	0	y	3	3561.409	35437.5	.185	3.23	2... H1-1b
110	M157C	PL1/4x4.375	.101	1.584	1	.053	0	y	25	3561.409	35437.5	.185	3.23	2... H1-1b
111	M158C	PL1/4x4.375	.093	1.584	1	.049	0	y	25	3561.409	35437.5	.185	3.23	2... H1-1b
112	M159A	PL1/4x4.375	.117	1.584	1	.041	0	y	25	3561.409	35437.5	.185	3.23	2... H1-1b
113	M160	PL1/4x4.375	.121	1.584	1	.032	0	y	25	3561.409	35437.5	.185	3.23	2... H1-1b
114	M161	PL1/4x4.375	.251	1.584	36	.053	1.584	y	36	3561.409	35437.5	.185	3.23	2... H1-1b
115	M162B	PL1/4x4.375	.072	1.584	5	.020	0	y	5	3561.409	35437.5	.185	3.23	2... H1-1b
116	M163A	PL1/4x4.375	.065	1.584	6	.019	0	y	5	3561.409	35437.5	.185	3.23	2... H1-1b
117	M164A	PL1/4x4.375	.073	0	1	.019	0	y	1	3561.409	35437.5	.185	3.23	2... H1-1b
118	M165	PL1/4x4.375	.139	1.584	1	.035	0	y	1	3561.409	35437.5	.185	3.23	2... H1-1b
119	M166	PL1/4x4.375	.138	1.584	14	.019	0	y	35	3561.409	35437.5	.185	3.23	2... H1-1b
120	MP4C	PIPE 2.0	.297	5.25	8	.108	5.25		12	14916.096	32130	1.872	1.872	1... H1-1b

I. Mount-to-Tower Connection Check

Custom Orientation Required

No

Tower Connection Bolt Checks

Yes

Bolt Orientation

Parallel

Bolt Quantity per Reaction:

4

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

7

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

7

Bolt Type:

A325N

Bolt Diameter (in):

0.625

Required Tensile Strength / bolt (kips):

16.7

Required Shear Strength / bolt (kips):

1.0

Tensile Capacity / bolt (kips):

20.7

Shear Capacity / bolt (kips):

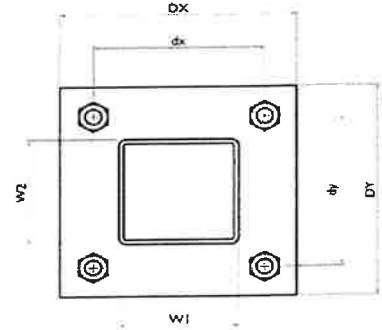
12.4

Bolt Overall Utilization:

80.5%

Tower Connection Baseplate Checks

No



ATTACHMENT 6



C Squared Systems, LLC
65 Dartmouth Drive
Auburn, NH 03032
(603) 644-2800

support@csquaredsystems.com

Calculated Radio Frequency Emissions Report

verizon^v

Southbury South 2
459 Burr Road, Southbury, CT 06488

February 6, 2024

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1. Introduction

The purpose of this report is to investigate compliance with applicable FCC regulations for the proposed installation of Verizon's antenna arrays to be mounted at 137' AGL on an existing monopole tower located at 459 Burr Road in Southbury, CT. The coordinates of the monopole tower are 41° 26' 55.120" N, 73° 10' 57.610" W.

Verizon is proposing the following:

- 1) Install eight (8) multi-band antennas (two (2) per sector) to support its commercial LTE and 5G network.
- 2) Install three (3) c-band antennas (one (1) per sector)

This report considers the planned antenna configuration for Verizon¹ and the existing antennas for AT&T, Dish Network, and T-Mobile to derive the resulting % MPE of its proposed installation.

2. FCC Guidelines for Evaluating RF Radiation Exposure Limits

In 1985, the FCC established rules to regulate radio frequency (RF) exposure from FCC licensed antenna facilities. In 1996, the FCC updated these rules, which were further amended in August 1997 by OET Bulletin 65 Edition 97-01. These new rules include Maximum Permissible Exposure (MPE) limits for transmitters operating between 300 kHz and 100 GHz. The FCC MPE limits are based upon those recommended by the National Council on Radiation Protection and Measurements (NCRP), developed by the Institute of Electrical and Electronics Engineers, Inc., (IEEE) and adopted by the American National Standards Institute (ANSI).

The FCC general population/uncontrolled limits set the maximum exposure to which most people may be subjected. General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

Public exposure to radio frequencies is regulated and enforced in units of milliwatts per square centimeter (mW/cm²). The general population exposure limits for the various frequency ranges are defined in the attached "FCC Limits for Maximum Permissible Exposure (MPE)" in Attachment C of this report.

Higher exposure limits are permitted under the occupational/controlled exposure category, but only for persons who are exposed as a consequence of their employment and who have been made fully aware of the potential for exposure, and they must be able to exercise control over their exposure. General population/uncontrolled limits are five times more stringent than the levels that are acceptable for occupational, or radio frequency trained individuals. Attachment C contains excerpts from OET Bulletin 65 and defines the Maximum Exposure Limit.

Finally, it should be noted that the MPE limits adopted by the FCC for both general population/uncontrolled exposure and for occupational/controlled exposure incorporate a substantial margin of safety and have been established to be well below levels generally accepted as having the potential to cause adverse health effects.

¹ As referenced to Verizon's Radio Frequency Design Sheet updated 12/20/2023.

3. RF Exposure Prediction Methods

The emission field calculation results displayed in the following figures were generated using the following formula as outlined in FCC bulletin OET 65:

$$\text{Power Density} = \left(\frac{\text{GRF}^2 \times 1.64 \times \text{ERP}}{4\pi \times R^2} \right) \times \text{Off Beam Loss}$$

Where:

EIRP = Effective Isotropic Radiated Power

R = Radial Distance = $\sqrt{(H^2 + V^2)}$

H = Horizontal Distance from antenna in meters

V = Vertical Distance from radiation center of antenna in meters

Off Beam Loss is determined by the selected antenna patterns

Ground reflection factor of 1.6

These calculations assume that the antennas are operating at 100 percent capacity, that all antenna channels are transmitting simultaneously, and that the radio transmitters are operating at full power. Obstructions (trees, buildings, etc.) that would normally attenuate the signal are not taken into account. The calculations assume even terrain in the area of study and do not take into account actual terrain elevations which could attenuate the signal. As a result, the predicted signal levels reported below are much higher than the actual signal levels will be from the final installations.

4. Antenna Inventory

Table 1 below outlines Verizon’s proposed antenna configuration for the site. The associated data sheets and antenna patterns for these specific antenna models are included in Attachments C.

Operator	Sector / Azimuth	TX Freq (MHz)	Power at Antenna (Watts)	Ant Gain (dBi)	Power EIRP (Watts)	Antenna Model	Beam Width	Mech. Tilt	Length (ft)	Antenna Centerline Height (ft)
Verizon	Alpha / 10°	750	160	17.2	9207	MX06FRO840	42	0	7.99	137
		885	160	17.6	10095		37			
		1900	160	19.5	17544		36			
		2100	240	20	28854		34			
		3700	320	25.5	113540	MT6413-77A	-			
	Beta / 170°	750	160	17.2	5422	MX06FRO840	42	0	7.99	137
		885	160	17.6	4509		37			
		1900	160	19.5	9866		36			
		2100	240	20	15857		34			
	Beta / 195°	3700	320	25.5	113540	MT6413-77A	-	0	3.42	137
	Gamma / 220°	750	160	17.2	9207	MX06FRO840	42	0	7.99	137
		885	160	17.6	10095		37			
		1900	160	19.5	17544		36			
		2100	240	20	28854		34			
	Delta / 290°	750	160	17.2	9207	MX06FRO840	42	0	7.99	137
		885	160	17.6	10095		37			
		1900	160	19.5	17544		36			
		2100	240	20	28854		34			
		3700	320	25.5	113540	MT6413-77A	-			

Table 1: Proposed Antenna Inventory^{2 3}

² Antenna heights are in reference to Verizon’s Radio Frequency Design Sheet updated 12/20/2023.

³ Transmit power assumes 0 dB of cable loss.

5. Calculation Results

The calculated power density results are shown in Figure 1 below. For completeness, the calculations for this analysis range from 0 feet horizontal distance (directly below the antennas) to a value of 3,000 feet horizontal distance from the site. In addition to the other worst-case scenario considerations that were previously mentioned, the power density calculations to each horizontal distance point away from the antennas was completed using a local maximum off beam antenna gain (within ± 5 degrees of the true mathematical angle) to incorporate a realistic worst-case scenario.

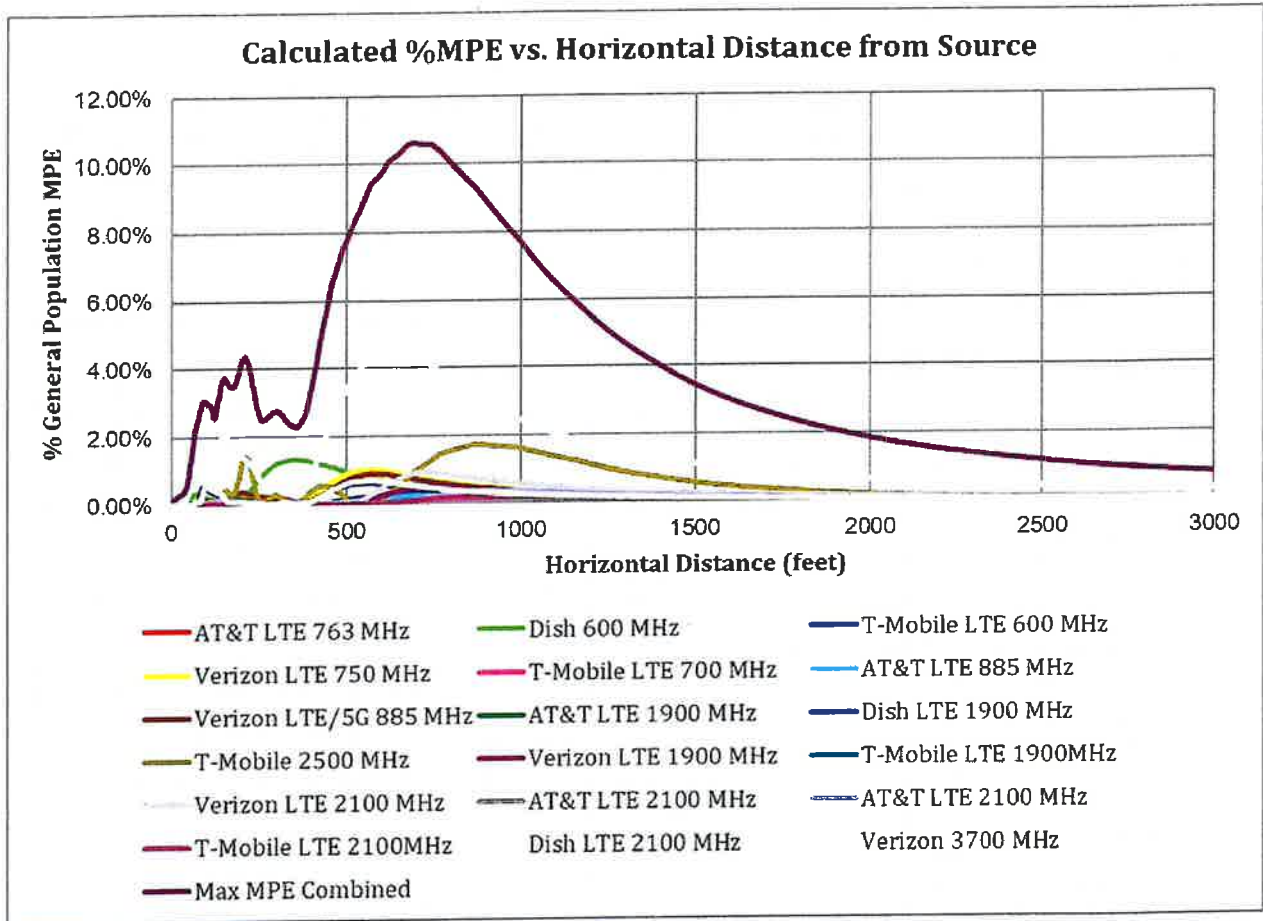


Figure 1: Graph of General Population % MPE vs. Distance

The highest percent of MPE (10.63% of the General Population limit) is calculated to occur at a horizontal distance of 689 feet from antennas. Please note that the percent of MPE calculations close to the site take into account off beam loss, which is determined from the vertical pattern of the antennas used. Therefore, RF power density levels may increase as the distance from the site increases. At distances of approximately 1500 feet and beyond, one would now be in the main beam of the antenna pattern and off beam loss is no longer considered. Beyond this point, RF levels become calculated solely on distance from the site and the percent of MPE decreases significantly as distance from the site increases.

Table 2 below lists percent of MPE values as well as the associated parameters that were included in the calculations. The highest percent of MPE value was calculated to occur at a horizontal distance of 689 feet from the site (reference Figure 1).

As stated in Section 3, all calculations assume that the antennas are operating at 100 percent capacity, that all antenna channels are transmitting simultaneously, and that the radio transmitters are operating at full power. Obstructions (trees, buildings etc.) that would normally attenuate the signal are not taken into account. In addition, a six foot height offset was considered in this analysis to account for average human height. As a result, the predicted signal levels are significantly higher than the actual signal levels will be from the final configuration. The results presented in Figure 1 and Table 2 assume level ground elevation from the base of the tower out to the horizontal distances calculated.

Carrier	Number of Transmitters	Power out of Base Station Per Transmitter (Watts)	Antenna Height (Feet)	Distance to the Base of Antennas (Feet)	Power Density (mW/cm ²)	Limit (mW/cm ²)	% MPE
AT&T LTE 1900 MHz	1	80.0	147.0	689	0.000118	1.000	0.01%
AT&T LTE 2100 MHz	1	80.0	147.0	689	0.000134	1.000	0.01%
AT&T LTE 2100 MHz	1	240.0	147.0	689	0.001128	1.000	0.11%
AT&T LTE 763 MHz	1	160.0	147.0	689	0.000904	0.509	0.18%
AT&T LTE 885 MHz	1	160.0	147.0	689	0.001441	0.590	0.24%
Dish 600 MHz	1	246.0	87.0	689	0.002288	0.421	0.54%
Dish LTE 1900 MHz	1	160.0	87.0	689	0.004495	1.000	0.45%
Dish LTE 2100 MHz	1	160.0	87.0	689	0.005404	1.000	0.54%
T-Mobile 2500 MHz	1	240.0	127.5	689	0.009037	1.000	0.90%
T-Mobile LTE 1900MHz	1	160.0	127.5	689	0.000015	1.000	0.00%
T-Mobile LTE 2100MHz	1	160.0	127.5	689	0.001012	1.000	0.10%
T-Mobile LTE 600 MHz	1	160.0	127.5	689	0.001178	0.400	0.29%
T-Mobile LTE 700 MHz	1	160.0	127.5	689	0.000024	0.467	0.01%
Verizon 3700 MHz	1	320.0	137.0	689	0.043254	1.000	4.33%
Verizon LTE 1900 MHz	1	160.0	137.0	689	0.004530	1.000	0.45%
Verizon LTE 2100 MHz	1	240.0	137.0	689	0.008862	1.000	0.89%
Verizon LTE 750 MHz	1	160.0	137.0	689	0.004104	0.497	0.83%
Verizon LTE/5G 885 MHz	1	160.0	137.0	689	0.004398	0.590	0.75%
Total							10.63%

Table 2: Maximum Percent of General Population Exposure Values⁴⁵⁶

⁴ Antenna information for DISH was taken from Fox Hill Telecom, Inc, Radio Frequency Emissions Analysis Report, dated 5/21/2022

⁵ Antenna information for AT&T was taken from Connecticut Siting Council Notice of Exempt Modification – 459 Burr Road, Southbury, Connecticut, dated 2/15/2019

⁶ Antenna information for T-Mobile was provided by Structure Consulting Group.

6. Conclusion

The above analysis verifies that RF exposure levels from the site with Verizon's proposed antenna configuration will be well below the maximum permissible levels as outlined by the FCC in the OET Bulletin 65 Ed. 97-01. Using the conservative calculation methods and parameters detailed above, the maximum cumulative percent of MPE in consideration of all transmitters is calculated to be **10.63% of the FCC limit (General Population/Uncontrolled)**. This maximum cumulative percent of MPE value is calculated to occur 689 feet away from the site.

7. Statement of Certification

I certify to the best of my knowledge that the statements in this report are true and accurate. The calculations follow guidelines set forth in ANSI/IEEE Std. C95.3, ANSI/IEEE Std. C95.1 and FCC OET Bulletin 65 Edition 97-01.



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February 5, 2024
Date



Reviewed/Approved By: _____
Martin J. Lavin
Senior RF Engineer
C Squared Systems, LLC

February 6, 2024
Date

Attachment A: References

OET Bulletin 65 - Edition 97-01 - August 1997 Federal Communications Commission Office of Engineering & Technology

IEEE C95.1-2005, IEEE Standard Safety Levels With Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz IEEE-SA Standards Board

IEEE C95.3-2002 (R2008), IEEE Recommended Practice for Measurements and Computations of Radio Frequency Electromagnetic Fields With Respect to Human Exposure to Such Fields, 100 kHz-300 GHz IEEE-SA Standards Board

Attachment B: FCC Limits for Maximum Permissible Exposure (MPE)

(A) Limits for Occupational/Controlled Exposure⁷

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (E) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f ²)*	6
30-300	61.4	0.163	1.0	6
300-1500	-	-	f/300	6
1500-100,000	-	-	5	6

(B) Limits for General Population/Uncontrolled Exposure⁸

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (E) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	-	-	f/1500	30
1500-100,000	-	-	1.0	30

f = frequency in MHz * Plane-wave equivalent power density

Table 3: FCC Limits for Maximum Permissible Exposure

⁷ Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

⁸ General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

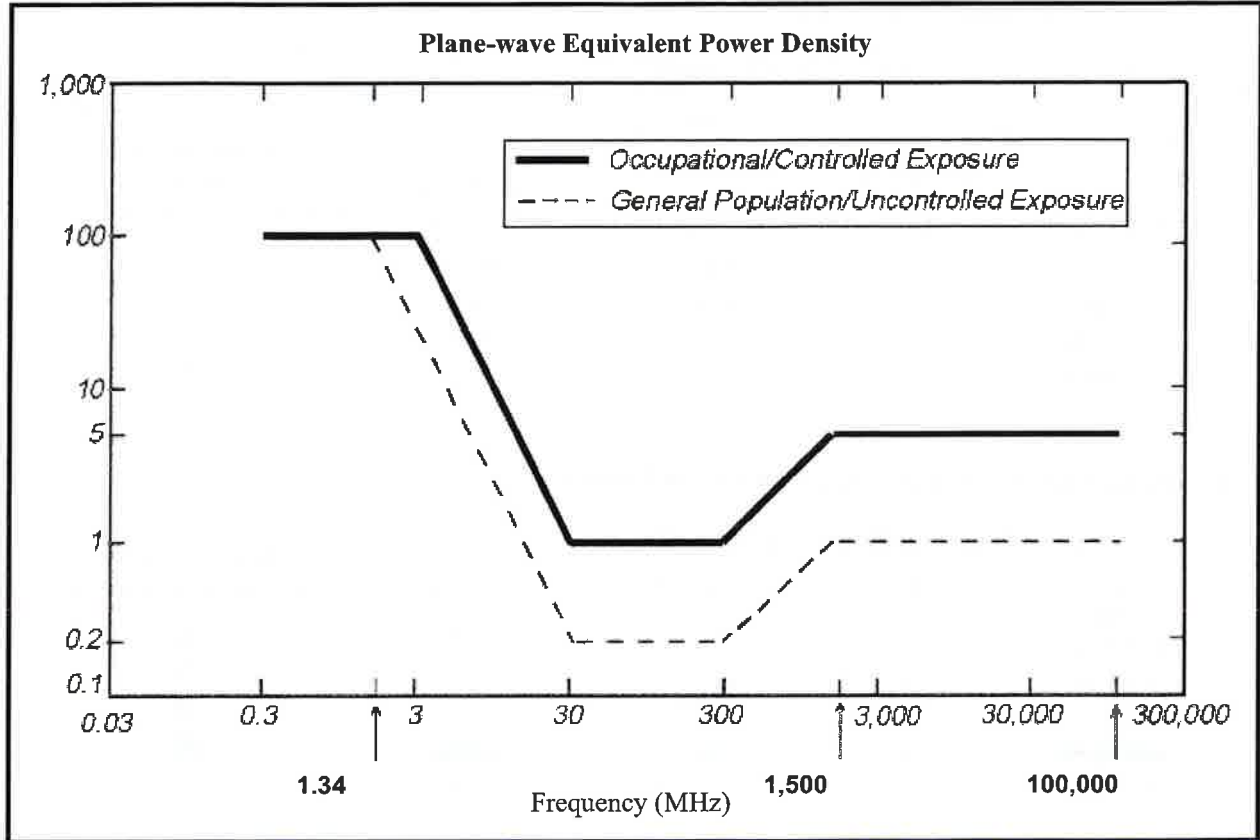
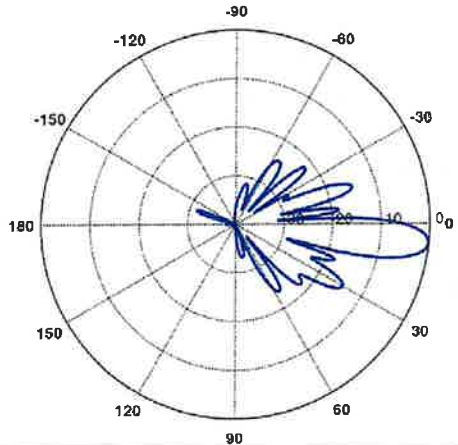
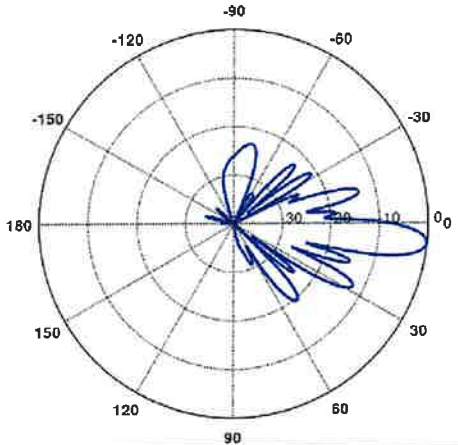
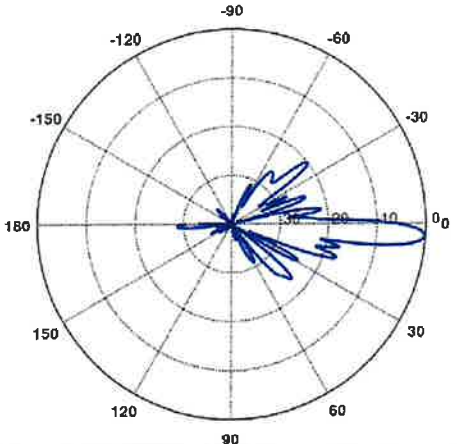


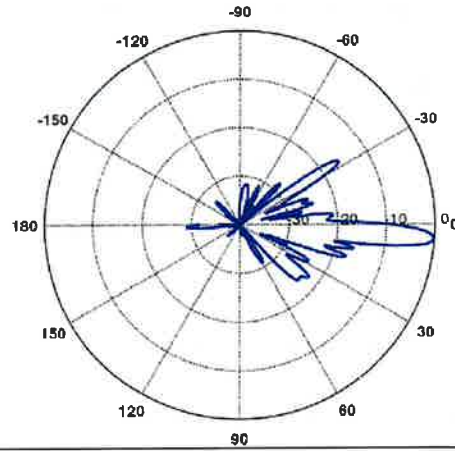
Figure 2: Graph of FCC Limits for Maximum Permissible Exposure (MPE)

Attachment C: Verizon Antenna Model Data Sheets and Electrical Patterns

<p>750 MHz</p> <p>Manufacturer: JMA Model #: MX06FRO0840 Frequency Band: 698-806 MHz Gain: 17.6 dBi Vertical Beamwidth: 9.0° Horizontal Beamwidth: 42° Polarization: ±45° Dimensions (L x W x D): 95.9" x 19.8" x 10.7"</p>	 <p>A polar plot showing the radiation pattern for 750 MHz. The plot is circular with concentric dashed lines representing gain levels and radial lines representing angles from 0 to 180 degrees. The main beam is directed towards 0 degrees, with a peak gain of approximately 17.6 dBi. The horizontal beamwidth is 42 degrees, and the vertical beamwidth is 9.0 degrees. There are minor side lobes visible.</p>
<p>885 MHz</p> <p>Manufacturer: JMA Model #: MX06FRO0840 Frequency Band: 806-894 MHz Gain: 18.0 dBi Vertical Beamwidth: 8.3° Horizontal Beamwidth: 37° Polarization: ±45° Dimensions (L x W x D): 95.9" x 19.8" x 10.7"</p>	 <p>A polar plot showing the radiation pattern for 885 MHz. The plot is circular with concentric dashed lines representing gain levels and radial lines representing angles from 0 to 180 degrees. The main beam is directed towards 0 degrees, with a peak gain of approximately 18.0 dBi. The horizontal beamwidth is 37 degrees, and the vertical beamwidth is 8.3 degrees. There are minor side lobes visible.</p>
<p>1900 MHz</p> <p>Manufacturer: JMA Model #: MX06FRO0840 Frequency Band: 1850-1990 MHz Gain: 20.4 dBi Vertical Beamwidth: 5.7° Horizontal Beamwidth: 36° Polarization: ±45° Dimensions (L x W x D): 95.9" x 19.8" x 10.7"</p>	 <p>A polar plot showing the radiation pattern for 1900 MHz. The plot is circular with concentric dashed lines representing gain levels and radial lines representing angles from 0 to 180 degrees. The main beam is directed towards 0 degrees, with a peak gain of approximately 20.4 dBi. The horizontal beamwidth is 36 degrees, and the vertical beamwidth is 5.7 degrees. There are minor side lobes visible.</p>

2100 MHz

Manufacturer: JMA
Model #: MX06FRO0840
Frequency Band: 1920-2200 MHz
Gain: 20.8 dBi
Vertical Beamwidth: 5.3°
Horizontal Beamwidth: 34°
Polarization: ±45°
Dimensions (L x W x D): 95.9" x 19.8" x 10.7"



ATTACHMENT 7

Certificate of Mailing — Firm



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

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 of Pieces Listed by Sender

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 Town of Southbury
 501 Main Street
 Southbury, CT 06488

2. Jordan Marcinko, Land Use Administrator
 Town of Southbury
 501 Main Street
 Southbury, CT 06488

3. SBA Communications Corporation
 Attn: Kierstyn Ferreira
 134 Flanders Road, Suite 125
 Westborough, MA 01581

4. Holly Hageman
 459 Burr Road
 Southbury, CT 06488

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