Robinson+Cole

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Also admitted in Massachusetts
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June 24, 2021

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification**
100 Pocono Road, Brookfield, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. The tower and Cellco's shared use of the tower were approved in September 2016 (Docket No. 467). A copy of the Council's Docket No. 467 Decision and Order is included in Attachment 1.

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

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

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

1. The proposed modifications will not result in an increase in the height of the existing tower. Cellco's replacement antennas and RRHs will be installed on Cellco's existing mount.

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

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

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

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

6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna platform can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4. Also included in Attachment 4 is a separate letter prepared by the consulting engineer responsible for the preparation of the MA verifying that the antenna model described in the MA as a VZS01 Antenna or L-Sub6 Antenna, is the Samsung 64T64R model antenna.

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

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Stephen C. Dunn, Brookfield First Selectman
Alice Dew, Land Use Director
Karla Hanna

Stephen C. Dunn, First Selectman
Town of Brookfield
100 Pocono Road
Brookfield, CT 06804

Alice Dew, Land Use Director
Town of Brookfield
100 Pocono Road
Brookfield, CT 06804

Karla Hanna
Verizon Wireless
20 Alexander Drive
Wallingford, CT 06492
karla.hanna@verizonwireless.com

ATTACHMENT 1

DOCKET NO. 467 - Homeland Towers, LLC and Cellco Partnership d/b/a Verizon Wireless application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a telecommunications facility located at Brookfield Tax Assessor Map E10, Lot 014, 100 Pocono Road, Brookfield, Connecticut.	}	Connecticut
	}	Siting
	}	Council
		October 13, 2016

Decision and Order

Pursuant to Connecticut General Statutes §16-50p and the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, maintenance, and operation of a telecommunications facility, including effects on the natural environment; ecological 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 Homeland Towers, LLC, hereinafter referred to as the Certificate Holder, for a telecommunications facility at 100 Pocono Road, Brookfield, Connecticut.

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

1. The tower shall be constructed as a monopole at a height of 150 feet above ground level to provide the proposed wireless services, sufficient to accommodate the antennas of Cellco Partnership d/b/a Verizon Wireless, the Town of Brookfield and other entities, both public and private. The height of the tower may be extended after the date of this Decision and Order pursuant to regulations of the Federal Communications Commission.

2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Brookfield for comment and submitted to and approved by the Council prior to the commencement of facility construction and shall include:
   a) final site plan(s) for development of the facility to include specifications for the tower and tower foundation that employ the governing standard in the State of Connecticut for tower design in accordance with the currently adopted International Building Code, antennas, equipment compound including, but not limited to, fence with anti-climb features, radio equipment, access road, utility line, and emergency backup generator;
   b) construction plans for site clearing, grading, landscaping, water drainage and stormwater control, and erosion and sedimentation controls consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended; and
   c) hours of construction.

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

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

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

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

7. Any request for extension of the time period referred to in Condition 6 shall be filed with the Council not later than 60 days prior to the expiration date of this Certificate and shall be served on the Town of Brookfield.

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

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

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

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

12. This Certificate may be transferred in accordance with Conn. Gen. Stat. §16-50k(b), provided both the Certificate Holder/transferor and the transferee are current with payments to the Council for their respective annual assessments and invoices under Conn. Gen. Stat. §16-50v. In addition, both the Certificate Holder/transferor and the transferee shall provide the Council a written agreement as to the entity responsible for any quarterly assessment charges under Conn. Gen. Stat. §16-50v(b)(2) that may be associated with this facility.

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

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

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

We hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed in the Service List, dated June 7, 2016, and notice of issuance published in the Yankee Pennysaver.

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

ATTACHMENT 2

verizon

WIRELESS COMMUNICATIONS FACILITY

BROOKFIELD SOUTH CT
100 POCONO ROAD
BROOKFIELD, CT 06804-3322

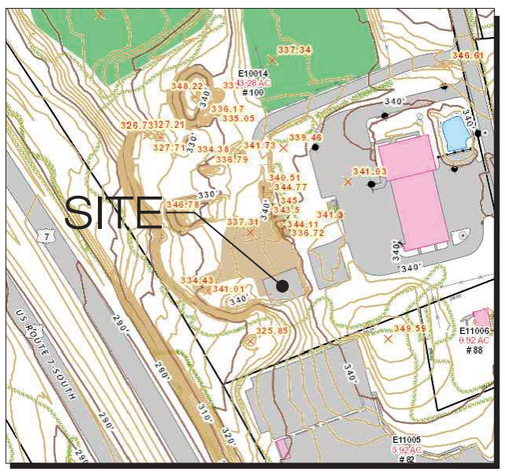
DRAWING INDEX

SITE DIRECTIONS

START: 20 ALEXANDER DRIVE
WALLINGFORD, CONNECTICUT 06492

END: 100 POCONO ROAD
BROOKFIELD, CT 06804-3322

1.	HEAD SOUTH TOWARD ALEXANDER DRIVE	279 FT
2.	SLIGHT RIGHT TOWARDS ALEXANDER DRIVE	289 FT
3.	TURN RIGHT TOWARD ALEXANDER DRIVE	167 FT
4.	TURN RIGHT ONTO ALEXANDER DRIVE	0.3 MI
5.	TURN RIGHT ONTO BARNES INDUSTRIAL ROAD S.	0.1 MI
6.	TURN LEFT AT THE 1ST CROSS STREET ONTO CT-68W	0.4 MI
7.	TURN RIGHT	0.2 MI
8.	TURN RIGHT TO MERGE ONTO CT-15 N TOWARD HARTFORD	0.5 MI
9.	MERGE ONTO CT-15 N	3.1 MI
10.	USE THE MIDDLE LANE TO STAY ON CT-15 N	0.1 MI
11.	TAKE EXIT 68W TO MERGE ONTO I-691 W TOWARD MERIDEN/WATERBURY	7.9 MI
12.	USE LEFT 2 LANES TO TAKE EXIT 1 FOR I-84 W TOWARD WATERBURY/DANBURY	1.0 MI
13.	TURN LEFT ONTO WEST AVENUE, DESTINATION WILL BE ON LEFT	0.5 MI
14.	MERGE ONTO I-84	28.1 MI
15.	TAKE EXIT 9 FOR CT-25 TOWARD BROOKFIELD	0.3 MI
16.	CONTINUE ON CT-25 N TO YOUR DESTINATION IN BROOKFIELD	4.4 MI



LOCATION MAP
SCALE : 1" = 1000'-0"

SITE INFORMATION

VZ SITE NAME: BROOKFIELD SOUTH CT
VZ PROJ FUZE I.D.: 16244657
VZ LOCATION CODE: 20202199134
VZ PROJECT CODE: 467677

LOCATION: 100 POCONO ROAD
BROOKFIELD, CT 06804-3322

PROJECT SCOPE: REFER TO NOTES ON SHEET C-1 FOR SCOPE OF WORK.

MAP/LOT: E10/014

ZONING DISTRICT: INDUSTRIAL ("IRC 80/40")

LATITUDE: 41° 27' 46.62" N (41.4629500° N)

LONGITUDE: 73° 23' 53.78" W (73.3982722° W)

SITE COORDINATES AND GROUND ELEVATION OBTAINED FROM GOOGLE EARTH.

GROUND ELEVATION: 337'± AMSL

PROPERTY OWNER: INSITE TOWERS, LLC
1199 N. FAIRFAX STREET, SUITE 700
ALEXANDRIA, VA 22314

APPLICANT: CELLCO PARTNERSHIP
d/b/a VERIZON WIRELESS
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

LEGAL/REGULATORY COUNSEL: ROBINSON & COLE, LLP
KENNETH C. BALDWIN, ESQ.
280 TRUMBULL STREET
HARTFORD, CT 06103

ENGINEER CONTACT: ALL-POINTS TECHNOLOGY CORP., P.C.
567 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385
(860) 663-1697

Cellco Partnership d/b/a
verizon
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

ALL-POINTS TECHNOLOGY CORPORATION
567 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385 PHONE: (860)-663-1697
WWW.ALLPOINTSTECH.COM FAX: (860)-663-0935

CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
0	02/08/21	FOR REVIEW: JRM
1	02/09/21	FOR REVIEW: JRM
2	02/22/21	FOR CONSTRUCTION: JRM
3		
4		
5		
6		

STATE OF CONNECTICUT
MICHAEL TRODDEN
33313
LICENSED
PROFESSIONAL ENGINEER

DESIGN PROFESSIONALS OF RECORD

PROF: MICHAEL S. TRODDEN P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL STREET EXT. SUITE 311 WATERFORD, CT 06385

OWNER: INSITE TOWERS, LLC
ADDRESS: 1199 N. FAIRFAX STREET, SUITE 700 ALEXANDRIA, VA 22314

BROOKFIELD SOUTH CT

SITE ADDRESS: 100 POCONO ROAD BROOKFIELD, CT 06804-3322

APT FILING NUMBER: CT141_11860

DRAWN BY: DRA

DATE: 02/08/21 **CHECKED BY:** JRM

VZ PROJECT CODE: 20202199134

VZ LOCATION CODE: 467677

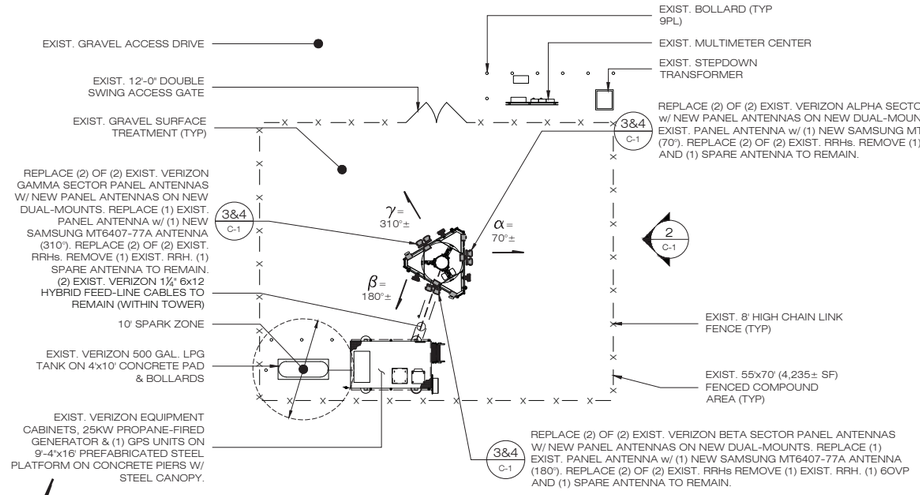
VZ FUZE ID: 16244657

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T-1

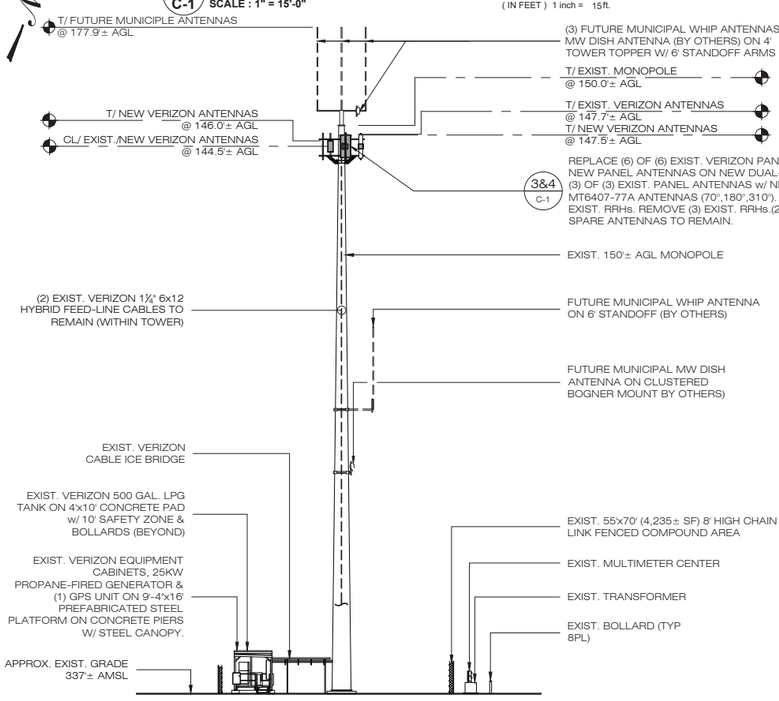


1 C-1 COMPOUND PLAN

SCALE : 1" = 15'-0"

15 0 7.5 15 30

(IN FEET) 1 inch = 15ft.

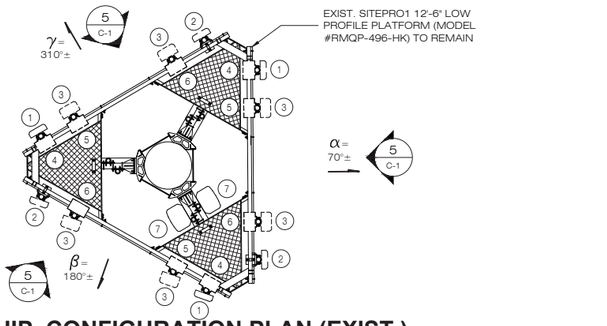


2 C-1 TOWER ELEVATION

SCALE : 1" = 20'-0"

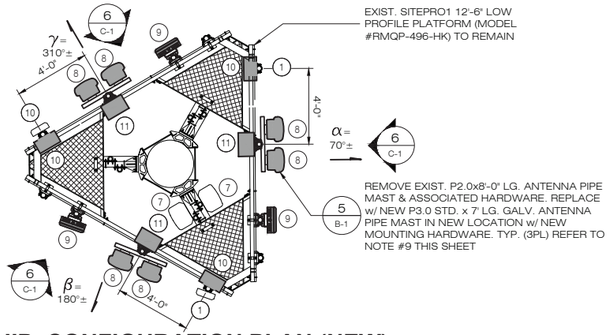
20 0 10 20 40

(IN FEET) 1 inch = 20ft.



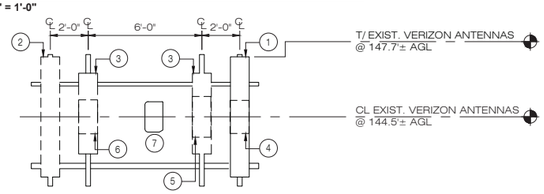
3 C-1 EQUIP. CONFIGURATION PLAN (EXIST.)

SCALE : ¼" = 1'-0"



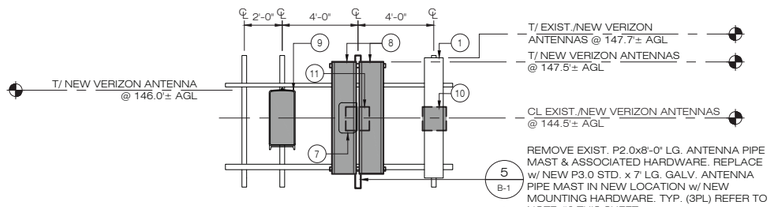
4 C-1 EQUIP. CONFIGURATION PLAN (NEW)

SCALE : ¼" = 1'-0"



EXISTNG ELEVATION (FRONT)

EXIST. AZIMUTHS
ALPHA: 70°
BETA: 180°
GAMMA: 310°



PROPOSED ELEVATION (FRONT)

NEW AZIMUTHS
ALPHA: 70°
BETA: 180°
GAMMA 310°

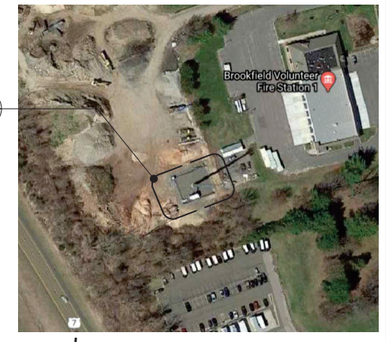
5 C-1 EQUIP. MOUNTING CONFIG. (EXIST.)

SCALE : ¼" = 1'-0"

6 C-1 EQUIP. MOUNTING CONFIG. (NEW)

SCALE : ¼" = 1'-0"

COMPOUND PLAN 1 C-1



LOCATION PLAN

SCALE: 1" = 200'

GENERAL ABBREVIATION LIST:

ABP	ABOVE BASE PLATE
AGL	ABOVE GROUND LEVEL
AMSL	ABOVE MEAN SEA LEVEL
AWS	ADVANCED WIRELESS SERVICE
HDG	HOT DIP GALVANIZED
OVP	OVER VOLTAGE PROTECTION
RRH	REMOTE RADIO HEAD
V.I.F.	VERIFY IN FIELD
W.P.	WORK POINT
A.F.R.	ABOVE FINISH ROOF

SCOPE OF WORK (ALL) SECTORS

1. EXIST. ANTENNA (TO REMAIN AS SPARE) MODEL: ANDREW KATHREIN 80010735V01
2. EXIST. ANTENNA (TO BE REPLACED) MODEL: ANDREW KATHREIN 80010735V01
3. EXIST. ANTENNA (TO BE REPLACED) MODEL: ANDREW HBXX-6516DS-A2M
4. EXIST. RRH (TO BE REPLACED) MODEL: NOKIA B13 RRH 4x30-700
5. EXIST. RRH (TO BE REPLACED) MODEL: NOKIA B66A 4x45W AWS RRH
6. EXIST. RRH (TO BE REMOVED) MODEL: NOKIA B25 4x30W PCS RRH
7. EXIST. 6 OVP (TO BE REMAIN @ ALPHA & BETA) MODEL: RAYCAP RRFDC3315-PF-48 (V.I.F.)
8. NEW ANTENNA MODEL: JMA MX06FRO660-03 MOUNTED ON NEW JMA DUAL MOUNT (P/N 91900314-02)
9. NEW ANTENNA MODEL: SAMSUNG MT6407-77A
10. NEW DUAL BAND RRH MODEL: SAMSUNG B13/B5 RRH-BR04C (RFV01U-D2A)
11. NEW DUAL BAND RRH MODEL: SAMSUNG B66/B2A RRH-BR049 (RFV01U-D1A)

NOTES:

1. REFER TO TOWER STRUCTURAL ANALYSIS REPORT PREPARED BY ALL POINTS TECHNOLOGY CORP., P.C. AVAILABLE UNDER SEPARATE COVER.
2. REFER TO MOUNT ANALYSIS REPORT PREPARED BY MASER CONSULTING, P.A., PROJECT #20777357A MARKED REV0, DATED 03.10.21 AVAILABLE UNDER SEPARATE COVER.
3. BASE MAPPING FROM FIELD MEASUREMENTS TAKEN BY ALL-POINTS TECH. CORP., P.C. ON 12/15/20.
4. PROJECT SCOPE INCLUDES THE FOLLOWING:
   - REPLACEMENT OF (6) OF (6) EXIST. PANEL ANTENNAS w/ NEW PANEL ANTENNAS ON DUAL-MOUNTS.
   - REPLACEMENT OF (3) OF (3) EXIST. PANEL ANTENNAS w/ NEW SAMSUNG MT6407-77A ANTENNAS.
   - REPLACEMENT OF (6) OF (6) RRHs
   - REMOVAL OF THREE (3) EXIST. RRHs.
   - REMOVAL OF ALL UN-USED COAXIAL CABLE FEED-LINES.
4. ALL EXPOSED STEEL AND HARDWARE TO BE HOT DIP GALV. (HDG). PAINT TO MATCH EXIST. (WHERE APPLICABLE)
5. CAP & WEATHERPROOF ALL UN-USED CABLE ENTRY PORTS (WHERE APPLICABLE).
6. MOUNT & GROUND ALL NEW EQUIPMENT IN ACCORDANCE WITH NEC (NFPA-70), NESC AND MANUFACTURERS SPECIFICATION.
7. SECURE ALL NEW ANTENNA CABLES PER MANUFACTURER RECOMMENDATIONS.
8. BOND NEW ANTENNA MOUNTING PIPES TO ANTENNA SECTOR GROUND BAR w/ # 2 AWG, BCW, (WHERE APPLICABLE).
9. CONTRACTOR SHALL INSTALL NEW SIDE-BY-SIDE & DUAL-MOUNT BRACKETS PER ANTENNA MOUNT MANUFACTURER RECOMMENDATIONS, INCLUDING VERIFICATION OF MINIMUM PIPE MAST DIAMETER REQUIRED TO INSTALL NEW MOUNT BRACKETS. UNLESS NOTED OTHER WISE, CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD SHOULD EXIST. PIPE MAST REQUIRE REPLACEMENT TO SUPPORT THE NEW MOUNT BRACKETS.
10. ANTENNA CONFIGURATIONS SHOWN HEREIN ARE FRONT ELEVATIONS.
11. ANTENNA SPACING DIMENSIONS ARE TO THE CENTER OF THE EXIST. ANTENNA AND NEW ANTENNA FACE.
12. REFER TO THE FINAL RFDS PROVIDED BY VERIZON FOR THE LATEST INFORMATION REGARDING EQUIPMENT MODELS, REQUIRED CABLING & DOWN-TILT INFORMATION.
13. APPLY 3M FILM OVER ALL EXPOSED MMWAVE ANTENNAS COLOR TO MATCH EXIST. STRUCTURE (WHERE APPLICABLE) COORDINATE WITH VERIZON CONSTRUCTION MANAGER AND LL.
14. PAINT ALL NON SAMSUNG MT6407-77A ANTENNAS & APPURTENANCES TO MATCH EXIST. STRUCTURE (WHERE APPLICABLE) COORDINATE W/ VERIZON CONSTRUCTION MANAGER & BUILDING OWNER.

Cellco Partnership d/b/a
verizon
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

ALL-POINTS TECHNOLOGY CORPORATION
567 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385 PHONE: (860)-663-1697
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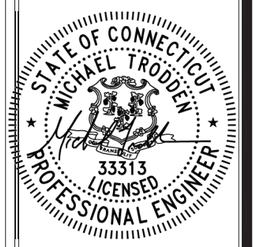


DESIGN PROFESSIONALS OF RECORD

PROF: MICHAEL S. TRODDEN P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL STREET EXT. SUITE 311 WATERFORD, CT 06385

OWNER: INSITE TOWERS, LLC
ADDRESS: 1199 N. FAIRFAX STREET, SUITE 700 ALEXANDRIA, VA 22314

BROOKFIELD SOUTH CT

SITE ADDRESS: 100 POCONO ROAD BROOKFIELD, CT 06804-3322

APT FILING NUMBER: CT141_11860

DRAWN BY: DRA
DATE: 02/08/21
CHECKED BY: JRM

VZ PROJECT CODE: 20202199134
VZ LOCATION CODE: 467677
VZ FUZE ID: 16244657

SHEET TITLE:
COMPOUND PLAN, TOWER ELEVATION, EQUIP. CONFIGURATION PLANS & ELEVATIONS

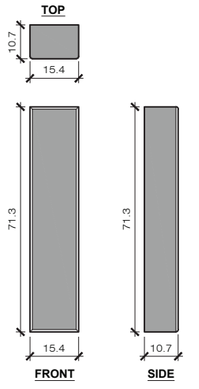
SHEET NUMBER:
C-1

EQUIPMENT DATA

EQUIPMENT SPECIFICATIONS

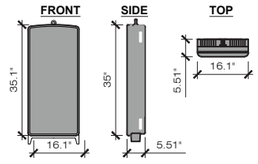
SECTOR	ANTENNA MAKE/MODEL	QTY	AZIMUTH	EQUIPMENT STATUS	HEIGHT (IN)	WIDTH (IN)	DEPTH (IN)	WEIGHT (LBS)
ALPHA	SPARE: KATHREIN 80010735V01	1	70°	ETR	76.1	11.9	3.9	30.9(2)
	700/850/1900/2100: JMA MX06FRO660-03	1	70°	NEW	71.3	15.4	10.7	60.0(2)
	700/850/1900/2100: JMA MX06FRO660-03	1	70°	NEW	71.3	15.4	10.7	60.0(2)
	SAMSUNG MT6407-77A	1	70°	NEW	35.1(5)	16.1(5)	5.51(5)	87.1(2)(5)
BETA	SPARE: KATHREIN 80010735V01	1	180°	ETR	76.1	11.9	3.9	30.9(2)
	700/850/1900/2100: JMA MX06FRO660-03	1	180°	NEW	71.3	15.4	10.7	60.0(2)
	700/850/1900/2100: JMA MX06FRO660-03	1	180°	NEW	71.3	15.4	10.7	60.0(2)
	SAMSUNG MT6407-77A	1	180°	NEW	35.1(5)	16.1(5)	5.51(5)	87.1(2)(5)
GAMMA	SPARE: KATHREIN 80010735V01	1	310°	ETR	76.1	11.9	3.9	30.9
	700/850/1900/2100: JMA MX06FRO660-03	1	310°	NEW	71.3	15.4	10.7	60.0(2)
	700/850/1900/2100: JMA MX06FRO660-03	1	310°	NEW	71.3	15.4	10.7	60.0(2)
	SAMSUNG MT6407-77A	1	310°	NEW	35.1(5)	16.1(5)	5.51(5)	87.1(2)(5)
	APPURTENANCE MAKE/MODEL							
	SAMSUNG B2/B66A RRH-BR049 (RFV01U-D1A)	3	-	NEW	14.9	14.9	10.04	97.5
	SAMSUNG B5/B13 RRH-BR04C (RFV01U-D2A)	3	-	NEW	14.9	14.9	8.14	82.0
	RAYCAP RRFDC-3315-PF-48	2	-	ETR	28.9	15.73	10.25	32

(1) 'ETR' DENOTES EXIST. TO REMAIN
(2) WEIGHT WITHOUT MOUNTING BRACKET.
(3) ANTENNA DATA BASED ON RFDS REV1 DATED 11/20/20
(4) EQUIPMENT CONFIGURATION INDICATED ABOVE VIEWED FROM BEHIND.
(5) NOT TO EXCEED



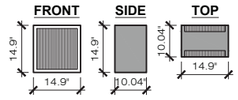
JMA MX06FRO660-03
HxWxD=71.3"x15.4"x10.7 60.0 Lbs)

2 B-1 NEW ANTENNA DETAIL
SCALE : ½" = 1'-0"

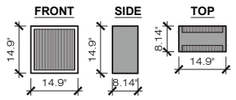


SAMSUNG MT6407-77A
HxWxD=35.1"x16.1"x5.51"
WT=87.1 Lbs
(NOT TO EXCEED)

3 B-1 NEW ANTENNA DETAIL
SCALE : ½" = 1'-0"



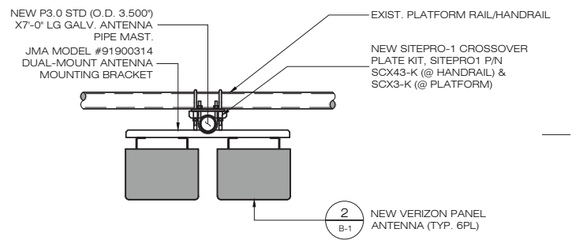
SAMSUNG DUAL HIGH BAND B2/B66A
RRH-BR049 (RFV01U-D1A)
RRH PCS/AWS
REMOTE RADIO HEAD (RRH)
WxDxH=14.9"x14.9"x10.04" (97.5 Lbs)



SAMSUNG DUAL HIGH BAND B5/B13
RRH-BR04C (RFV01U-D2A)
RRH 850/700
REMOTE RADIO HEAD (RRH)
WxDxH=14.9"x14.9"x8.14" (82.0 Lbs)

NOTE: WEIGHTS INCLUDE SOLAR SHEILD & MOUNTING BRACKET

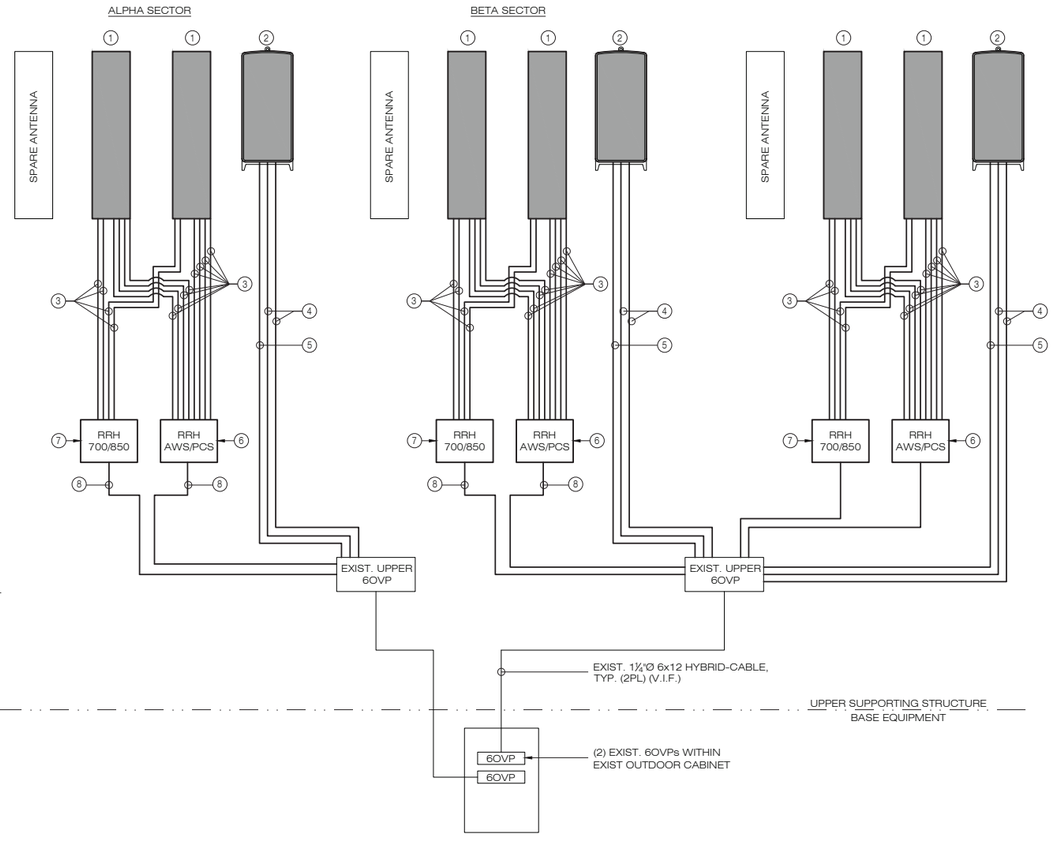
4 B-1 RRH EQUIPMENT DETAILS
SCALE : ½" = 1'-0"



5 B-1 RRH EQUIPMENT DETAILS
SCALE : ½" = 1'-0"

BILL OF MATERIALS				
		QUANTITY	LENGTH	COMMENTS
1	700/850/1900/2100	6		(JMA MX06FRO660-03) MOUNTED W/ NEW JMA DUAL MOUNT (P/N 91900314-02)
2	SAMSUNG MT6407-77A	3		MOUNTED ON EXIST. PIPE MAST
3	1/2" JUMPER CABLE	36	15 FT	ROUTE FROM RRH TO ANTENNAS
4	ANTENNA LINK CABLES	6	15 M	ROUTE FROM UPPER OVP TO ANTENNAS
5	ANTENNA POWER CABLES	3	15 M	PROPRIETARY POWER CABLE FROM UPPER OVP TO ANTENNAS
6	AWS/PCS RRH	3		SAMSUNG B2/B66 RRH-BR049 (RFV01U-D1A) MOUNTED TO EXIST. PIPE MAST
7	700/850 RRH	3		SAMSUNG B5/B13 RRH-BR04C (RFV01U-D2A) MOUNTED TO EXIST. PIPE MAST
8	RRH CABLES	6	15M	PROPRIETARY POWER & FIBER CABLES

NOTES:
1. INFORMATION SHOWN HEREON IS FOR USE BY VERIZON EQUIPMENT OPERATIONS.
2. INFORMATION IS BASED ON RFDS REV1 DATED 11/20/20.
3. * DENOTES EQUIPMENT DESIGNATED "FOR LEASING ONLY" (WHERE APPLICABLE)
4. INSTALL ALARM BOARDS AT ALL OVPs WHERE REQUIRED. COORDINATE w/ VERIZON EQUIPMENT ENGINEERING.
5. INSTALL UP-CONVERTER(S) LOCATED AT BASE OVPs WHERE REQUIRED. COORDINATE w/ VERIZON EQUIPMENT ENGINEERING AS NECESSARY.
6. COORDINATE ANTENNA CABLING REQUIREMENTS WITH VERIZON ENGINEERING.
7. CONTRACTOR SHALL INSTALL NEW SIDE-BY-SIDE & DUAL-MOUNT BRACKETS PER ANTENNA MOUNT MANUFACTURER RECOMMENDATIONS, INCLUDING VERIFICATION OF MINIMUM PIPE MAST DIAMETER REQUIRED TO INSTALL NEW MOUNT BRACKETS. UNLESS NOTED OTHER WISE, CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD SHOULD EXIST. PIPE MAST REQUIRE REPLACEMENT TO SUPPORT THE NEW MOUNT BRACKETS.



1 B-1 PLUMBING DIAGRAM
SCALE : ½" = 1'-0"

NOTE: EQUIPMENT CONFIGURATION AS VIEWED FROM BEHIND.

Cellco Partnership d/b/a
verizon
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

ALL-POINTS TECHNOLOGY CORPORATION
567 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385 PHONE: (860)-663-1697
WWW.ALLPOINTSTECH.COM FAX: (860)-663-0935

CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
0	02/08/21	FOR REVIEW: JRM
1	02/09/21	FOR REVIEW: JRM
2	02/22/21	FOR CONSTRUCTION: JRM
3		
4		
5		
6		

STATE OF CONNECTICUT
MICHAEL TRODDEN
33313
LICENSED
PROFESSIONAL ENGINEER

DESIGN PROFESSIONALS OF RECORD

PROF: MICHAEL S. TRODDEN P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL STREET EXT. SUITE 311 WATERFORD, CT 06385

OWNER: INSITE TOWERS, LLC
ADDRESS: 1199 N. FAIRFAX STREET, SUITE 700 ALEXANDRIA, VA 22314

BROOKFIELD SOUTH CT

SITE ADDRESS: 100 POCONO ROAD BROOKFIELD, CT 06804-3322

APT FILING NUMBER: CT141_11860

DRAWN BY: DRA
DATE: 02/08/21
CHECKED BY: JRM

VZ PROJECT CODE: 20202199134
VZ LOCATION CODE: 467677
VZ FUZE ID: 16244657

SHEET TITLE:
RF BILL OF MATERIALS, MECHANICAL SPECIFICATIONS & EQUIPMENT DETAILS

SHEET NUMBER:
B-1

DESIGN BASIS:

GOVERNING CODES/DESIGN STANDARDS:

2015 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED BY THE 2018 CONNECTICUT STATE BUILDING CODE
ASCE 7-10
TIA-222-G (TOWER)

DESIGN CRITERIA (TOWER):

STRUCTURE CLASS :	II	(TIA-222-G, TABLE 2-1 & ANNEX A.)
RISK CATEGORY:	II	(IBC 2015 TABLE 1604.5)

WIND LOADS:

ULTIMATE BASIC WIND SPEED, V_{ULT}: (3-SECOND GUST)	120 MPH	(2018 CSBC APPENDIX N)
NOMINAL BASIC WIND SPEED, V_{3S}: (3-SECOND GUST)	93 MPH	(2018 CSBC APPENDIX N)
EXPOSURE CATEGORY	C	(2015 IBC SEC. 1609.4.3)
WIND IMPORTANCE FACTOR, I_W:	1.0	(TIA-222G, TABLE 2-3)

ICE LOADS:

ICE THICKNESS, T_I:	0.75 IN	(TIA-222G, ANNEX B)
ICE THICKNESS IMPORTANCE FACTOR, I_I:	1.0	(TIA-222G, TABLE 2-3)
NOMINAL BASIC WIND SPEED W/ ICE, VI (3-SECOND GUST)	50 MPH	(TIA-222G, ANNEX B)
WIND LOAD W/ICE IMPORTANCE FACTOR, I_{WI}:	1.0	(TIA-222G, TABLE 2-3)

SEISMIC LOAD:

REFER TO SECTION 1613 OF THE 2015 IBC/2018 CONNECTICUT STATE BUILDING CODE FOR SEISMIC CLASSIFICATION AND LOADING DETERMINATION.

01 GENERAL:

ABBREVIATIONS USED IN THESE SPECIFICATIONS INCLUDE THE FOLLOWING:

ACI	AMERICAN CONCRETE INSTITUTE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AWS	AMERICAN WELDING SOCIETY
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN STANDARDS AND TESTING METHODS
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
ICC-ES	INTERNATIONAL CODE COUNCIL EVALUATION SERVICE
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
UL	UNDERWIRTERS LABORATORIES
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

EVERY INDIVIDUAL TRADE, DISCIPLINE, AND CONTRACTOR SHALL INCLUDE THESE GENERAL SPECIFICATIONS.

THE ENGINEER IS NOT RESPONSIBLE FOR NOR A GUARANTOR OF THE INSTALLING CONTRACTORS WORK, ADEQUACY OF ANY SITE COMPONENT, SUPERVISION OF ANY WORK, AND SAFETY IN, ON, OR ABOUT THE WORK SITE.

ANY REFERENCE HEREIN TO AN OR EQUAL ITEM, THAT EQUAL ITEM SHALL BE PRE-APPROVED BY THE CONSTRUCTION MANAGER BEFORE INSTALLATION

ALL TRADES SHALL COORDINATE THEIR WORK WITH ALL OTHER TRADES AND OTHER WORK AND CONDITIONS AS APNEWRIATE OR REQUIRED TO AVOID CONFLICTS. RESOLVE AND COORDINATE ALL CONFLICTS WITH ALL AFFECTED WORK AND SITE OPERATIONS. COORDINATION WITH THE SITE SHALL BE WITH THE OWNER, OR OWNER'S SPECIFIED REPRESENTATIVE, FOR EVERYTHING RELATED TO THE INSTALLATION OF THIS PROJECT.

ALL WORK SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE EDITIONS OF ALL APPLICABLE CODES AND SHALL BE ACCEPTABLE TO ALL AUTHORITIES HAVING JURISDICTION (AHJ). WHERE A CONFLICT EXISTS BETWEEN CODES, PLANS, SPECIFICATIONS, AND/OR AHJ, THE MORE STRINGENT AUTHORITY SHALL APPLY. WHERE CONFLICT EXISTS BETWEEN PLANS AND SPECIFICATIONS, PLAN SHALL APPLY. WHERE CONFLICT EXISTS BETWEEN PLAN SHEETS, CONSTRUCTION MANAGER SHALL BE CONSULTED PRIOR TO COMMENCING ANY WORK.

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR A COMPLETE AND NEWERLY OPERATIVE AND USABLE SYSTEM THROUGHOUT AND AS INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN AND/OR OTHERWISE REQUIRED.

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, INSTALLATIONS, AND EQUIPMENT IN THE FIELD PRIOR TO BID, FABRICATION, AND INSTALLATION OF ANY WORK.

CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. THE ENGINEER SHALL BE NOTIFIED FOR INSPECTIONS PRIOR TO CLOSING PENETRATIONS AND OF ANY CONDITIONS WHICH PRECLUDE COMPLETION OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

CONTRACTOR SHALL VISIT THE SITE TO MANAGE AND GAIN APPROVAL FOR ALL TENANT DISRUPTIONS, POWER OUTAGES, WORK SCHEDULES, DEFINITION OF WORK AREA AND WORK STORAGE, NEWER BUILDING/SITE ACCESS, NOISE AND CLEANLINESS REQUIREMENTS WITH THE BUILDING/SITE MANAGEMENT PRIOR TO ALL WORK. ANY DISRUPTIONS SHALL BE KEPT TO A MINIMUM AND SHALL BE IMPLEMENTED ONLY UPON WRITTEN APPROVAL OF THE OWNER.

THE CONTRACTOR SHALL SAFEGUARD AGAINST CREATING ANY HAZARD AFFECTING TENANT EGRESS OR COMPROMISING SITE SECURITY MEASURES.

PRIOR TO ALL BELOW-GRADE WORK AND ANY SURFACE WORK IN A NEW AREA FOR STRUCTURES OR VEHICLES, CONTRACTOR SHALL ENGAGE A MARKOUT SERVICE TO IDENTIFY ANY UNDERGROUND STRUCTURES, CONDUITS, AND PIPELINES IN THE AREA. ALL EXISTING SEWER, WATER, GAS, ELECTRIC, FIBER OPTIC, AND OTHER UNDERGROUND UTILITIES IDENTIFIED OR ENCOUNTERED, SHALL BE PROTECTED AT ALL TIMES. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN DIGGING OR EXCAVATING IN ANY MANNER AROUND OR NEAR SUCH UTILITIES. CONTRACTOR IS RESPONSIBLE FOR REPAIRS, REPLACEMENT, AND ALL DAMAGES DUE TO DAMAGE OF UTILITIES BY HIS OPERATIONS.

ALL EXISTING AND NEW EQUIPMENT AND MATERIAL LOCATIONS, ROUTING, ORIENTATION, MOUNTING, SPECIFICATIONS AND GENERAL INSTALLED CHARACTERISTICS SHALL BE CONSIDERED DIAGRAMMATIC ON THE PLANS. EXACT CONDITIONS SHALL BE DETERMINED IN THE FIELD PRIOR TO ANY INSTALLATION. ANY DIFFERENCES THAT MAY CAUSE SCHEDULE, COST, OR QUALITY SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR ENGINEER PRIOR TO ANY WORK.

ALL REFERENCES HEREIN TO VERIFICATION OF ANY CONDITION OF SITE, FIELD, PLANS, OR SPECIFICATIONS PRIOR TO ANY WORK SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR. ANY AND ALL ADDITIONS, MODIFICATIONS, CHANGES, REPAIR, OR DEMOLITION AS A RESULT OF FAILURE TO BRING ANY EXISTING CONDITION NEWERLY TO THE ATTENTION OF THE OWNER OR ENGINEER SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR WITHOUT DELAY, COST, OR CHANGES IN QUALITY.

ALL NOTES THIS SHEET SHALL APPLY UNLESS SPECIFICALLY NOTED OTHERWISE ON THE INCLUDED DRAWINGS OR IN SEPARATE PROJECT SPECIFICATIONS AS APPLICABLE. ALL SPECIFICATIONS SHALL BE CONSIDERED REQUIRED UNLESS APPROVED EQUAL BY THE OWNER, CONSTRUCTION MANAGER, OR ENGINEER AS APPLICABLE.

THE WORDS “PROVIDE” OR “INSTALL” SHALL MEAN FURNISH AND INSTALL.

CONTRACTOR SHALL PROVIDE ALL CUTTING AND PATCHING AS REQUIRED FOR THE INSTALLATION OF HIS WORK. ANY PATCHING SHALL MATCH EXISTING SURROUNDING AREA IN ALL RESPECTS. ALL REMOVED MATERIAL SHALL BE REMOVED FROM THE PREMISES DAILY IN AN APPROVED SAFE MANNER.

ALL SURPLUS MATERIAL SHALL BE REMOVED FROM THE SITE PROMPTLY WHEN DEEMED TO BE SURPLUS.

EVERY CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF HIS WORK AND NEWLY INSTALLED OR EXISTING WORK, INCLUDING PROTECTION OF THE SITE, ALL STRUCTURES, AND ALL OCCUPANTS. FURNISH, INSTALL, MAINTAIN, AND REMOVE AS APNEWRIATE, ALL APNEWRIATE BARRIERS, SAFETY GUARDS, SIGNAGE, AND SECURITY AS REQUIRED.

EVERY CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR RESPECTIVE FEES, PERMITS, INSPECTIONS, TESTING, CERTIFICATES, AND ALL MANAGEMENT OF SAME REQUIRED FOR COMPLETION OF AND LEGAL OCCUPANCY OF THE FINISHED PROJECT.

ALL CONTRACTORS SHALL PROVIDE ALL NECESSARY TOOLS, FIXTURES, SERVICES, MATERIALS, JOB AIDS, AND PERSONNEL REQUIRED FOR THE EXECUTION OF THEIR WORK.

EACH CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP BY THEM TO BE FREE OF DEFECTS AND MAINTAINED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE INSTALLATION BY THE OWNER AND ENGINEER.

ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS IN THE TRADE HAVING JURISDICTION.

ANY DEVIATION, MODIFICATION, ADDITION, OR CHANGE IN DESIGN SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE OWNER OR ENGINEER.

ALL CONTRACTORS SHALL SUBMIT SHOP DRAWINGS OF ALL EQUIPMENT AND MATERIALS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION, AND SHALL NOT PROCEED UNTIL ENGINEER APPROVAL IN WRITING IS RETURNED. EACH CONTRACTOR SHALL MAINTAIN ON JOB SITE A COMPLETE SET OF SHOP DRAWINGS WITH ANY DEVIATIONS FROM THE ORIGINAL DESIGN SHALL BE NOTED.

ALL MATERIALS AND EQUIPMENT SHALL BE NEW, WITHOUT BLEMISH OR DEFECT, AND SUITABLE AND LISTED FOR THE INSTALLATION AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS OR SPECIFICATIONS. ALL ITEMS OF EQUIPMENT OR MATERIAL THAT ARE OF ONE GENERIC TYPE SHALL BE ONE MANUFACTURER THROUGHOUT.

ALL MATERIALS, EQUIPMENT, TOOLS, AND ITEMS UNDER THE CONTRACTOR'S RESPONSIBILITY ON THE JOBSITE SHALL BE ADEQUATELY SECURED, MAINTAINED, AND PROTECTED, SO AS NOT TO BECOME DAMAGED OR CREATE ANY HAZARD TO PERSONNEL OR NEWERTY.

THE CONTRACTORS HOURS OF WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND ORDINANCES AND BE APPROVED BY THE OWNER.

CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR ALL OF HIS CREW AND INSURE THAT EVERY CREW MEMBER FOLLOWS SAVE WORK PRACTICES. SAFETY TRAINING SHALL INCLUDE, BUT NOT BE LIMITED TO, FALL PROTECTION, CONFINED SPACE ENTRY, ELECTRICAL SAFETY, AND TRENCHING/EXCAVATION SAFETY WHERE SUCH WORK IS EXECUTED OR ENCOUNTERED.

ALL TEMPORARY WORK REQUIRED OR SPECIFIED AS A PART OF THIS WORK, SHALL MEET ALL OF THE SAME REQUIREMENTS AS PERMANENT INSTALLATIONS, SHALL MEET ALL APPLICABLE CODE REQUIREMENTS, AND SHALL BE COMPLETELY REMOVED AFTER ITS PURPOSES HAVE BEEN SERVED.

ANY EXISTING UTILITY, SERVICE, STRUCTURE, EQUIPMENT, OR FIXTURE OBSTRUCTING THE WORK SHALL BE REMOVED AND/OR RELOCATED AS DIRECTED BY THE CONSTRUCTION MANAGER.

IF ASBESTOS IS ENCOUNTERED DURING WORK EXECUTION, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CONSTRUCTION MANAGER AND CEASE ALL ACTIVITIES IN AFFECTED AREAS UNTIL NOTIFIED BY THE CONSTRUCTION TO RESUME OPERATIONS.

EXIST. ELECTRICAL AND MECHANICAL FIXTURES, PIPING, WIRING AND EQUIPMENT OBSTRUCTING THE WORK SHALL BE REMOVED AND/OR RELOCATED AS DIRECTED BY THE CONSTRUCTION MANAGER. TEMPORARY SERVICE INTERRUPTIONS MUST BE COORDINATED WITH OWNER.

05 STEEL:

THESE SPECIFICATIONS SHALL INCLUDE THE GENERAL SPECIFICATIONS HEREIN.

MATERIALS:

WIDE FLANGE	ASTM A992, GR 50
TUBING	ASTM A500, GR B
PIPE	ASTM A53, GR B
BOLTS	ASTM A325
GRATING	TYPE GW-2 (1-1/4"x3/16" BARS)
EXISTING METALS	ASTM A36

PROVIDE CERTIFICATION THAT WELDERS TO BE USED IN WORK ARE LICENSED AND HAVE SATISFACTORILY PASSED AWS QUALIFICATION TEST UNDER THE PROVISIONS OF APPENDIX D, PARTS II AND III OF THE AWS CODE FOR WELDING IN BUILDING CONSTRUCTION.

ALL BUILDING CONNECTION POINTS TO BE CENTERED ON EXISTING STRUCTURAL BEARING POINTS AND THE LOCATIONS ARE TO BE VERIFIED IN FIELD PRIOR TO THE FABRICATION OF STEEL.

DESIGN AND CONSTRUCTION OF STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF AISC SPECIFICATION FOR *"THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS"*.

NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIAMETER GALVANIZED ASTM A 307 BOLTS UNLESS OTHERWISE NOTED.

ALL STEEL MATERIAL SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIPPED GALVANIZED) COATINGS" ON IRON AND STEEL PRODUCTS WITH A COATING WEIGHT OF 2 OZ/SF.

ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE EXPOSED TO WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE."

DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY TOUCHING UP ALL DAMAGED GALVANIZED STEEL WITH COLD ZINC, "GALVANOX", "DRY GALV", OR "ZINC IT", IN ACCORDANCE WITH MANUFACTURERS GUIDELINES. TOUCH UP DAMAGED NON-GALVANIZED STEEL WITH SAME PAINT APPLIED IN SHOP OR FIELD.

THE ENGINEER SHALL BE NOTIFIED OF ANY INCORRECTLY FABRICATED, DAMAGED OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE ENGINEER REVIEW. FIELD CUTTING OF STRUCTURAL STEEL IS NOT PERMITTED EXCEPT WITH THE PRIOR APPROVAL OF THE ENGINEER.

CONTRACTOR TO REMOVE AND RE-INSTALL ALL FIRE PROOFING AS REQUIRED DURING CONSTRUCTION.

THE STEEL STRUCTURE SHALL BE DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER COMPLETION. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION.

ALL STEEL ELEMENTS SHALL BE INSTALLED PLUMB AND LEVEL.

TOWER MANUFACTURER'S DESIGNS SHALL PREVAIL FOR TOWER.

CONNECTIONS SHALL BE DESIGNED BY THE FABRICATOR AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC *"MANUAL OF STEEL CONSTRUCTION"*. CONNECTIONS SHALL BE PROVIDED TO CONFORM TO THE REQUIREMENTS OF TYPE 2 CONSTRUCTION.

STRUCTURAL CONNECTION BOLTS SHALL CONFORM TO ASTM A325. ALL BOLTS SHALL BE MINIMUM 3/4" DIAMETER AND EACH CONNECTION SHALL HAVE MINIMUM TWO BOLTS. LOCK WASHERS ARE NOT PERMITTED FOR A325 STEEL ASSEMBLIES. IF TENSION CONTROL BOLTS ARE USED, CONNECTIONS SHALL BE DESIGNED FOR SLIP CRITICAL BOLT ALLOWABLE LOAD VALUES.

DESIGN CONNECTIONS AT BEAM ENDS FOR 10 KIPS (MIN).

ALL U-BOLTED CONNECTIONS SHALL BE COMPLETED WITH DOUBLE NUTS OR A LOCK WASHER.

CONTRACTOR SHALL COMPLY WITH AWS CODE FOR PROCEDURES, APPEARANCE AND QUALITY OF WELDS, AND WELDING PROCESSES SHALL BE QUALIFIED IN ACCORDANCE WITH AWS *"STANDARD QUALIFICATION PROCEDURES"*. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND SHALL CONFORM TO AISC AND D1.1. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE LARGER OF 1/4" FILLET OR MINIMUM SIZE PER TABLE J2.4 IN THE AISC *"MANUAL OF STEEL CONSTRUCTION"*. AT THE COMPLETION OF WELDING, ALL DAMAGE TO GALVANIZED COATING SHALL BE REPAIRED. SEE NOTE REGARDING DAMAGED GALVANIZED SURFACES.

ALL ARC AND GAS WELDING SHALL BE DONE BY A LICENSED AND CERTIFIED WELDER IN ACCORDANCE WITH AWS.

SEAL ALL PENETRATIONS AND SEAMS BETWEEN MASONRY AND STEEL WITH DOW CORNING 790 SILICONE BUILDING SEALANT OR EQUAL.

26 ELECTRICAL:

THESE SPECIFICATIONS SHALL INCLUDE THE GENERAL SPECIFICATIONS HEREIN.

ALL ELECTRICAL CONDUCTORS:

- INSULATION SHALL BE MINIMUM 600V TYPE THHN, THWN-2, OR XHHW.
- BRANCH CIRCUIT CONDUCTORS SHALL BE SOFT DRAWN 98% MINIMUM CONDUCTIVITY NEWERLY REFINED COPPER.
- FEEDER CIRCUIT CONDUCTORS SHALL BE EITHER COPPER OR ALUMINUM OF THE APNEWRIATE SIZE FOR THE APPLICATION, OR AS SPECIFICALLY NOTED.
- PERMANENTLY LABEL OR TAG ALL CONDUCTORS WITH THEIR CIRCUIT DESIGNATION AT ALL TERMINATION ENDS, SPLICES, AND VISIBLE AS PASS-THROUGH IN ALL ENCLOSURES.

ALL CONDUIT, RACEWAY, WIREWAYS, DUCTS, ETC. SHALL BE LISTED AND SUITABLE FOR THE APPLICATION. ONLY THE FOLLOWING CONDUITS AS APPROVED AND LISTED FOR THE APPLICATION SHALL BE ACCEPTABLE:

- ELECTRICAL METALLIC TUBING (EMT).
- COMPRESSION COUPLINGS AND CONNECTORS ONLY MADE UP WRENCH TIGHT.
- FLEXIBLE METAL CONDUIT (FMC) AND LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LFMC).
- FINAL CONNECTIONS TO VIBRATING OR ADJUSTABLE EQUIPMENT INCLUDING, BUT NOT LIMITED TO, LIGHT FIXTURES, HVAC UNITS, TRANSFORMERS, MOTORS, ETC. OR WHERE EQUIPMENT IS PLACED UPON SLAB ON-GRADE.
- RIGID GALVANIZED STEEL (RGS).
- ALL FITTINGS, CONNECTORS, AND COUPLINGS SHALL BE THREADED MADE UP WRENCH TIGHT.
- RIGID POLYVINYL CHLORIDE (PVC) SCHEDULE 40 OR SCHEDULE 80.
- MAY BE USED FOR SERVICES, EXTERIOR, BELOW GRADE, AND WET LOCATIONS.
- SHALL NOT BE USED IN CONCRETE SLABS NOR EXPOSED WITHIN A BUILDING OR STRUCTURE.
- METAL-CLAD CABLE (MC)
- CONCEALED INSTALLATIONS ONLY.
- WITHIN A DUCT WITH SMOOTH OR CORRUGATED METAL JACKET AND NO OUTER COVERING OVER THE METAL JACKET.

IN FINISHED SPACES, ALL CONDUITS SHALL BE CONCEALED EXCEPT TO MAKE A FINAL CONNECTION TO EQUIPMENT NOT MOUNTED IN OR AGAINST FINISH MATERIAL.

ALL FEEDER AND BRANCH CIRCUITS SHALL HAVE A SEPARATE NEWERLY SIZED AND MARKED GROUNDING CONDUCTOR, PER APPLICABLE CODES, THAT BONDS ALL ENCLOSURES, BOXES, ETC. CONDUIT SHALL NOT BE USED AS A GROUNDING OR BONDING CONDUCTOR.

IF EXISTING ELECTRIC SERVICE IS TO REMAIN, CONTRACTOR SHALL BE VERIFY THAT IT MEETS PROJECT REQUIREMENTS WITHOUT MODIFICATION. IF IT IS TO BE ADDED OR REPLACED AS A PART OF THIS WORK, CONTRACTOR SHALL ORDER FROM, COORDINATE WITH, AND GAIN APPROVAL FROM THE ELECTRICAL UTILITY. ALL ELECTRICAL EQUIPMENT SHALL BE AS SPECIFIED AND AS APPROVED BY THE LOCAL UTILITY WHERE APPLICABLE.

ALL EQUIPMENT, ENCLOSURES, ETC. SHALL BE SUITABLE FOR THE INSTALLED ENVIRONMENT, MINIMUM NEMA 3R FOR ALL EXTERIOR INSTALLATIONS.

WIRING DEVICES SHALL BE SPECIFICATION GRADE AND WIRING DEVICE COVER PLATES SHALL BE PLASTIC WITH ENGRAVING AS SPECIFIED. COLOR SHALL BE IVORY. ALL DEVICES AND COVER PLATES SHALL BE OF THE SAME MANUFACTURER.

ALL FIRE-RATED PENETRATIONS SHALL BE SEALED USING A SUITABLE AND LISTED FIRE SEALING DEVICE OR GROUT THAT WILL MAINTAIN THE FIRE RATING OF THE STRUCTURE PENETRATED.

PROVIDE PERMANENTLY AFFIXED ENGRAVED NAMEPLATES FOR ALL CODE REQUIRED LABELING AND ON ALL PANELS, METERING, DISCONNECTS, AND ELECTRICAL EQUIPMENT THAT IDENTIFIES EQUIPMENT SERVED, ELECTRICAL SOURCE WITH CIRCUIT IDENTIFICATION, AND VOLTAGES WITHIN.

ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL FINAL TERMINATIONS TO ALL EQUIPMENT.

ALL ELECTRICAL APPURTENANCES THAT ARE DISCONNECTED SHALL BE COMPLETELY REMOVED WITH EXISTING STRUCTURES TO REMAIN, REPAIRED, FINISHED, FILLED, PAINTED, ETC. ALL PANEL SCHEDULES, EQUIPMENT LABELING, AND CODE-REQUIRED LABELING, SHALL BE VERIFIED AND NEWERLY COMPLETED TO MATCH THE INSTALLATION.

26 GROUNDING:

THESE SPECIFICATIONS SHALL INCLUDE THE GENERAL SPECIFICATIONS HEREIN.

GROUND ALL SYSTEMS AND EQUIPMENT IN ACCORDANCE WITH BEST INDUSTRY PRACTICE, THE REQUIREMENTS OF THE NFPA 70 NATIONAL ELECTRICAL CODE (NEC), AND ALL OTHER APPLICABLE CODES AND REGULATIONS.

ALL GROUNDING ELECTRODES PRESENT AT EACH SERVICE LOCATION SHALL BE BONDED TOGETHER TO FORM THE GROUNDING ELECTRODE SYSTEM.

ALL EQUIPMENT ENCLOSURES, DEVICES, AND CONDUITS SHALL BE GROUNDED BY THE INSTALLATION OF A SEPARATE GROUNDING CONDUCTOR FOR ALL FEEDER AND BRANCH CIRCUITS THAT IS SIZED PER CODE OR IS OF THE SIZE INDICATED ON THE DRAWINGS, SHALL BE CONTINUOUS IN LENGTH, AND SHALL BE BONDED TO EACH ENCLOSURE PASSED THROUGH. CONDUIT SHALL NOT BE USED AS A GROUNDING OR BONDING WIRE OR CIRCUIT.

BOND ALL METALLIC CONDUITS TOGETHER THAT ARE CONNECTED TO NON-METALLIC ENCLOSURES, IN-GROUND BOXES, AND TO AN ENCLOSURE WHERE A GROUND BUS IS SPECIFIED OR SUPPLIED. ACCOMPLISH THIS BOND WITH GROUNDING CONDUCTORS MINIMUM SIZED TO THE LARGEST GROUNDING CONDUCTOR PRESENT IN THE ENCLOSURE CONNECTED TO A GROUNDING TYPE BUSHING EQUALLY SIZED OR MAXIMUM GROUND WIRE ACCOMMODATION AVAILABLE IN STANDARD MANUFACTURE FOR THE CONDUIT SIZE, WHICHEVER IS LESS.

EQUIPMENT GROUNDING AND LOAD SIDE BONDING CONDUCTORS SHALL BE SIZED PER THE CIRCUIT'S OVER-CURRENT PROTECTIVE DEVICE (OCPD) SIZE. WHERE THE UNGROUNDED CONDUCTORS ARE INCREASED IN SIZE ABOVE THE STANDARD FOR THE CIRCUIT'S OCPD, INCREASE THE GROUNDING CONDUCTOR NEWORTIONATELY TO THE CROSS-SECTIONAL AREA OF THE UNGROUNDED CONDUCTORS.

SERVICE MAIN BONDING JUMPERS AND GROUNDING ELECTRODE CONDUCTORS SHALL BE SIZED AND INSTALLED PER THE MINIMUM OF ALL APPLICABLE CODES AND REGULATIONS.

26 LIGHTNING PROTECTION:

THESE SPECIFICATIONS SHALL INCLUDE THE GENERAL SPECIFICATIONS AND THE GROUNDING SPECIFICATIONS HEREIN.

THE LIGHTNING PROTECTION GROUNDING SYSTEM (LPGS) SHALL CONSIST OF BONDING ALL EQUIPMENT AND CONDUCTIVE STRUCTURES TO LOCALIZED SINGLE-POINT GROUNDING CONNECTIONS (TYPICALLY GROUND BARS) WHICH ARE BONDED TOGETHER AND TO AN IN-GROUND SYSTEM. IF THE LPGS IS ON A BUILDING, IT SHALL BE EFFECTIVELY BONDED TO THE ELECTRICAL SERVICE MAIN BONDING JUMPER AND TO ADDITIONAL IN-GROUND ELECTRODES AS MAY BE REQUIRED OR INDICATED. IF THE LPGS IS ON A DEDICATED COMMUNICATION SITE, ALL EQUIPMENT AREAS AND TOWERS SHALL EACH HAVE THEIR OWN IN-GROUND RING WITH EVERY RING BONDED TOGETHER, AND ALL CONDUCTIVE STRUCTURES IN CLOSE PROXIMITY (FENCES, ICE BRIDGES, ISOLATED EQUIPMENT, ETC.) ALSO BONDED TO PROVIDE A COMMON ELECTRICAL EQUIPOTENTIAL SYSTEM FOR ALL CONDUCTIVE ELEMENTS AND STRUCTURES.

CONDUCTORS:

- MIN #2 AWG SOLID BARE TINNED COPPER (SBTC) FOR ALL IN-GROUND CONDUCTORS.
- MIN #2 AWG COPPER GREEN STRANDED FOR BONDING STRUCTURES, AND FOR INTER-SYSTEM BONDING OF INDIVIDUAL ELEMENTS SUCH AS GROUND BAR TO GROUND BAR.
- MIN #6 AWG COPPER GREEN STRANDED OR ALL EQUIPMENT BONDING.
- INSTALL ALL IN-GROUND CONDUCTORS IN THE SAME HORIZONTAL PLANE OR IN A DOWNWARD DIRECTION AWAY FROM THE TOWER AND EQUIPMENT AREAS.
- AVOID LONG RUNS. MAKE DIRECT RUNS AS MUCH AS POSSIBLE.
- PLACE THROUGH NON-METALLIC SLEEVES WHEN PASSING THROUGH FLOORS, WALLS, CEILINGS, AND SIMILAR STRUCTURES.
- MAKE ALL CONNECTIONS IN CONTACT WITH EARTH WITH EXOTHERMIC WELDING. MAKE ALL OTHER CONNECTIONS WITH EXOTHERMIC WELDING, IRREVERSIBLE COMPRESSION CONNECTORS, OR LISTED COMPRESSION TWO-HOLE LUGS.
- INSTALL ALL CONDUCTORS WITH A MINIMUM 18 INCH BEND RADIUS AND NO BEND LONGER THAN A 90 DEGREE ARC. ALL BENDS SHALL BE HORIZONTAL, OR DOWNWARD TOWARDS EARTH.
- ALL CONDUCTORS PASSING FROM ABOVE-GROUND TO IN-GROUND CONNECTIONS, WHERE EXPOSED, SHALL BE COVERED AND PROTECTED WITH A NON-METALLIC CONDUIT SEALED AT BOTH ENDS.
- IF 2 OR MORE IN-GROUND CONDUCTOS ARE IN THE SAME PATH (2 RINGS OVERLAPPING, BONDING FOLLOWING ANOTHER RING OR RADIAL, OR SIMILAR), COMBINE WITH A SHARED SINGLE CONDUCTOR.

EQUIPMENT AND TOWER GROUND RINGS SHALL BE:

- BONDED TO ANY CONDUCTIVE OBJECT OR STRUCTURE WITHIN 5 FEET OF EQUIPMENT GROUND RINGS AND WITHIN 20 FEET OF TOWER GROUND RINGS.
- INSTALLED MINIMUM 18 INCHES FROM FOUNDATIONS, FOOTINGS, AND SIMILAR.

INSTALL ALL IN-GROUND RINGS, RADIALS, BONDS CONNECTING THEM, AND ALL SIMILAR GROUNDING:

- MIN 30 INCHES BELOW GRADE, OR 6 INCHES BELOW THE FROST LINE, WHICHEVER IS GREATER DEPTH.
- MIN 2 FEET FROM FOUNDATIONS, FOOTINGS, OTHER GROUNDING SYSTEMS, AND SIMILAR STRUCTURES, EXCEPT WHEN MAKING A BOND TO ANY OF THESE STRUCTURES. DO NOT BOND TO FOUNDATION INTERNAL REINFORCEMENT.

ALL EQUIPMENT GROUPED IN A COMMON AREA, COMPOUND, STRUCTURE, OR SIMILAR SHALL BE BONDED TO A SINGLE-POINT GROUND, PREFERABLY AN ISOLATED GROUND BAR. BOND THE GROUND BAR TO THE SYSTEM WITH MINIMUM SINGLE BONDING CONDUCTOR. IF BONDING TO AN IN-GROUND RING, INSTALL 2 BONDING CONDUCTORS MINIMUM WITH EACH CONDUCTOR INSTALLED DIRECTIONALLY AWAY FROM EACH OTHER AND PARALLEL TO THE IN-GROUND CONDUCTOR, WITH NO TEE CONNECTIONS.

TOWER GROUNDING:

- EACH TOWER LEG SHALL BE BONDED TO ITS RING. SINGLE-LEGGED TOWERS, OR MONOPOLES, SHALL HAVE 2 BONDS ON OPPOSITE SIDES.
- BOND TO TOWER BASE, NOT TO VERTICAL TOWER STRUCTURE, AWAY FROM TOWER MOUNTING HARDWARE.
- EACH BOND SHALL HAVE A CORRESPONDING GROUND ROD ON THE RING.
- EACH BOND SHALL CONSIST OF 2 CONDUCTORS FROM THE TOWER TO ITS RING WITH EACH CONDUCTOR DIRECTED IN OPPOSITE DIRECTIONS WITH A PARALLEL CONNECTION ON THE RING ON OPPOSITE SIDES OF THE GROUND ROD.

EQUIPMENT AREA GROUNDING:

- COMMUNICATION AREAS ON EARTH SHALL HAVE A GROUND RING.
- BOND ALL EQUIPMENT TO A SINGLE-POINT GROUND (GROUND BAR).
- BOND THE EQIPMENT SINGLE-POINT GROUND TO THE EQUIPMENT GROUND RING WITH MINIMUM 2 CONDUCTORS DIRECTED IN OPPOSITE DIRECTIONS WITH PARALLEL CONNECTIONS ON THE RING.
- IF EQUIPMENT IS ENCLOSED IN A SHELTER:
- IF THE SHELTER IS CONSIDERED TO BE EXPOSED TO A DIRECT LIGHTNING STRIKE, INSTALL A BUILDING LIGHTNING PROTECTION SYSTEM PER APPLICABLE VERSION OF NFPA 780.
- BOND ALL FIXED CONDUCTIVE BUILDING COMPONENTS TOGETHER AND TO THE BUILDING RING GROUND AT THE CORNERS. THIS IS TYPICALLY CALLED THE HALO GROUND. DO NOT BOND EQUIPMENT TO THE HALO GROUND.
- BOND ALL EQUIPMENT TOGETHER TO A SINGLE-POINT OR INTERIOR EQUIPMENT RING GROUND (IEGR). BOND THE SINGLE-POINT OR IEGR TO THE EXTERNAL EQUIPMENT RING GROUND.
- PLACE GROUND RODS AT THE EQUIPMENT GROUND RING CORNERS.

GROUND RODS:

- SEPARATION SPACE BETWEEN ANY 2 GROUND RODS SHALL BE NO CLOSER THAN THEIR DEPTH. THIS APPLIES TO ALL RODS IN THE COMPLETE SYSTEM.
- DRIVE VERTICALLY IN UNDISTURBED SOIL WITH THE TOP AT SAME DEPTH AS THE IN-GROUND CONDUCTOR. IF NOT POSSIBLE TO INSTALL VERTICALLY, PLACE AS CLOSE TO VERTICAL AS POSSIBLE AND IN A DIRECTION AWAY FROM THE NEAREST ABOVE-GROUND CONDUCTIVE ELEMENT (TOWER, EQUIPMENT, ETC.).

RADIALS (TYP. NEW DEDICATED COMMUNICATION SITES):

- WHERE FEASIBLE WITH ENOUGH SPACE AVAILABLE, INSTALL A MINIMUM OF 4, MAXIMUM 10 RING RADIALS.
- EACH RADIAL'S LENGTH SHALL BE MIN 20 FT, MAX 80 FT.
- EXTEND RADIALS PERPENDICULAR FROM RINGS IN AS STRAIGHT LINE AS POSSIBLE, AWAY FROM OTHER RING GROUNDS, RADIALS, BONDS, AND SIMILAR.
- A COMMON PRACTICE IS TO PLACE 4 RADIALS FROM THE TOWER RING TO THE 4 CORNERS OF THE AVAILABLE AREA.

AT A MINIMUM, BOND ALL COMPOUND CONDUCTIVE FENCE CORNER POSTS AND GATE POSTS TO THE LPGS. PREFERABLY, INSTALL A GROUND RING THAT FOLLOWS THE FENCE LINE, BONDING ALL POSTS TO THE RING.

27 ANTENNAS & CABLES:

THESE SPECIFICATIONS SHALL INCLUDE THE GENERAL SPECIFICATIONS HEREIN.

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRANSMISSION CABLES, JUMPERS, CONNECTORS, GROUNDING STRAPS, ANTENNAS, MOUNT AND HARDWARE. ALL MATERIALS SHALL BE INSPECTED BY THE CONTRACTOR FOR DAMAGE UPON DELIVERY. JUMPERS SHALL BE SUPPLIED AT ANTENNAS AND EQUIPMENT INSIDE SHELTER. COORDINATE LENGTH OF JUMPER CABLES WITH OWNER. COORDINATE AND VERIFY ALL OF THE MATERIALS TO BE PROVIDED WITH OWNER PRIOR TO SUBMITTING BID AND ORDERING MATERIALS.

AFTER INSTALLATION, THE TRANSMISSION LINE SYSTEM SHALL BE PIM / SWEEP TESTED FOR NEWER INSTALLATION AND DAMAGE WITH ANTENNAS CONNECTED. CONTRACTOR SHALL OBTAIN AND USE LATEST TESTING PROCEDURES FROM OWNER OR MANUFACTURER PRIOR TO BIDDING.

ANTENNA CABLES SHALL BE UNIQUELY COLOR-CODED AT THE ANTENNAS, BOTH SIDES OF EQUIPMENT SHELTER WALL, AND JUMPER CABLES AT THE EQUIPMENT.

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL CONNECTORS, ASSOCIATED CABLE MOUNTING AND GROUNDING HARDWARE, WALL MOUNTS, STANDOFFS, AND ALL ASSOCIATED HARDWARE TO INSTALL ALL CABLES AND ANTENNAS TO THE MANUFACTURER'S AND OWNER'S SPECIFICATIONS.

ANTENNA CABLES SHALL BE FOAM DIELECTRIC COAXIAL CABLES AS FOLLOWS:

- BASE STATION ANTENNAS:
  - 7/8" DIAMETER FOR CABLE LENGTHS UP TO 100 FT.
  - 1-5/8" DIAMETER FOR CABLE LENGTHS GREATER THAN 100 FT.
  - GPS ANTENNAS:
  - 7/8" DIAMETER FOR CABLE LENGTHS UP TO 200 FT.
  - 1-5/8" DIAMETER FOR CABLE LENGTHS GREATER THAN 200 FT.

MINIMUM BENDING RADIUS FOR COAXIAL CABLES SHALL BE:

- 15 FT FOR 7/8" COAXIAL CABLES.
- 25 FT FOR 1-5/8" COAXIAL CABLES.

CABLE SHALL BE INSTALLED WITH A MINIMUM NUMBER OF BENDS WHERE POSSIBLE. CABLE SHALL NOT BE LEFT UNTERMINATED AND SHALL BE SEALED IMMEDIATELY AFTER BEING INSTALLED.

ALL EXTERIOR CABLE CONNECTIONS SHALL BE COVERED WITH A WATERPROOF SPLICING KIT.

CONTRACTOR SHALL VERIFY EXACT LENGTH AND DIRECTION OF TRAVEL IN FIELD PRIOR TO CONSTRUCTION.

CABLE SHALL BE FURNISHED AND INSTALLED WITHOUT SPLICES AND WITH CONNECTORS AT EACH END.

27 CABLE TRAY:

THESE SPECIFICATIONS SHALL INCLUDE THE GENERAL SPECIFICATIONS HEREIN.

CABLE TRAY SHALL BE MADE OF EITHER CORROSION RESISTANT METAL OR WITH A CORROSION RESISTANT FINISH.

CABLE TRAY SHALL BE OF LADDER TRAY TYPE WITH FLAT COVER CLAMPED TO SIDE RAILS.

CABLE LADDER SHALL BE SIZED TO FIT ALL CABLES IN ACCORDANCE WITH NEC AND NEMA 11-15-84.

CABLE LADDER TRAYS SHALL BE NEMA CLASS 12A BY PW INDUSTRIES, INC. OR EQUAL.

CABLE LADDER TRAY SHALL BE SUPPORTED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

ALL WORKMANSHIP SHALL CONFORM TO THESE REQUIREMENTS AND ALL LOCAL CODES AND STANDARDS TO ENSURE SAFE AND ADEQUATE GROUNDING SYSTEM.

Cellco Partnership d/b/a

verizon✓

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

ALL-POINTS
TECHNOLOGY CORPORATION

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CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
0	02/08/21	FOR REVIEW: JRM
1	02/09/21	FOR REVIEW: JRM
2	02/22/21	FOR CONSTRUCTION: JRM
3		
4		
5		
6		

MICHAEL TRODDEN
33313

DESIGN PROFESSIONALS OF RECORD

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COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
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SUITE 700
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BROOKFIELD SOUTH CT

SITE ADDRESS: 100 POCONO ROAD
BROOKFIELD, CT 06804-3322

APT FILING NUMBER: CT141_11860

DRAWN BY: DRA

DATE: 02/08/21

CHECKED BY: JRM

VZ PROJECT CODE: 20202199134

VZ LOCATION CODE: 467677

VZ FUZE ID: 16244657

SHEET TITLE:

NOTES & SPECIFICATIONS

SHEET NUMBER:

N-1

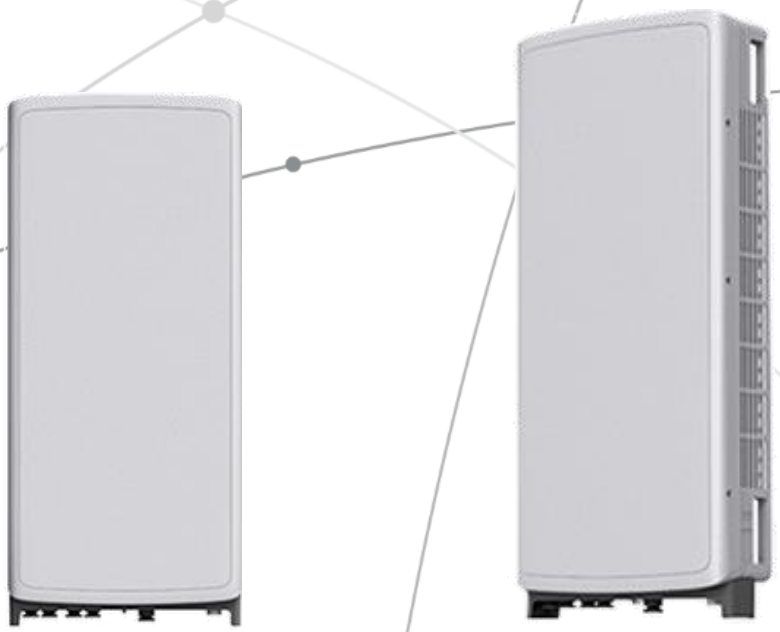
SAMSUNG

SAMSUNG C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

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

Model Code : MT6407-77A

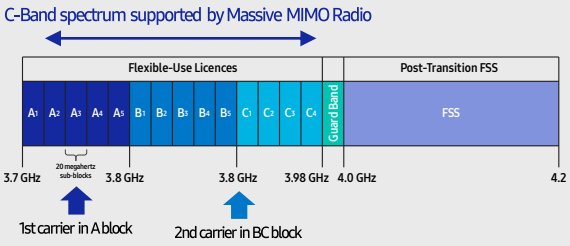


Points of Differentiation

Wide Bandwidth

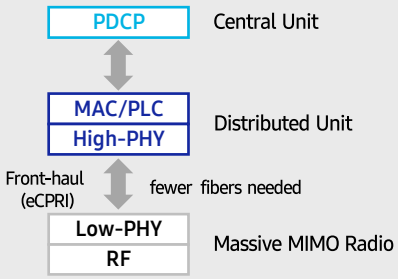
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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



Future Proof Product

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



Enhanced Performance

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

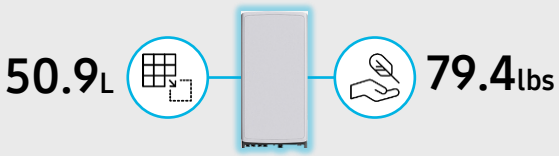
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

Well Matched Design

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

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



Technical Specifications

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

SAMSUNG

About Samsung Electronics Co., Ltd.

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

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

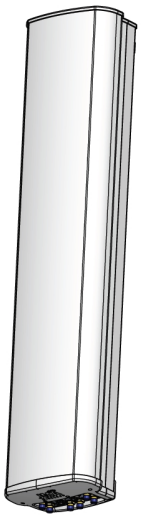
MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

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

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

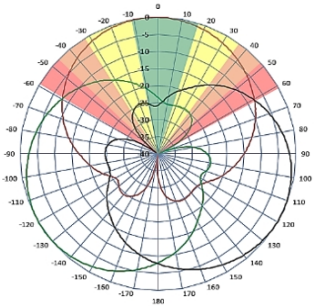
- Fast Roll Off (FRO™) azimuth beam pattern improves Intra- and Inter-cell SINR
- Compatible with dual band 700/850 MHz radios with independent low band EDT without external diplexers
- Fully integrated (iRETs) with independent RET control for low and high bands for ease of network optimization
- SON-Ready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



Fast Roll-Off antennas increase data throughput without compromising coverage

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

Non-FRO antenna



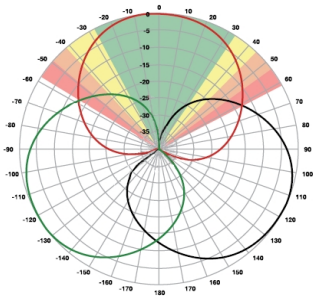
Large traditional antenna pattern overlap creates harmful interference.

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

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

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

JMA FRO antenna



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

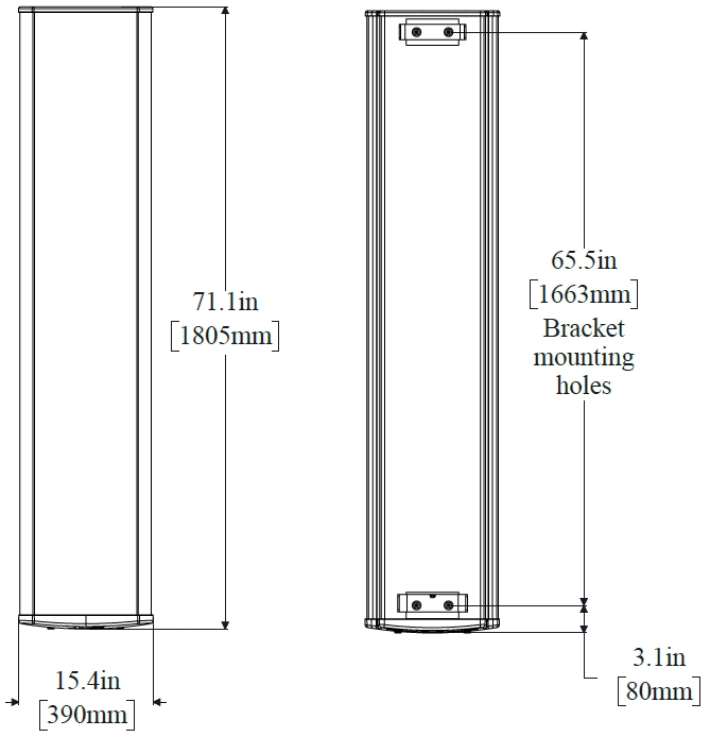
[1] Typical value over frequency and tilt

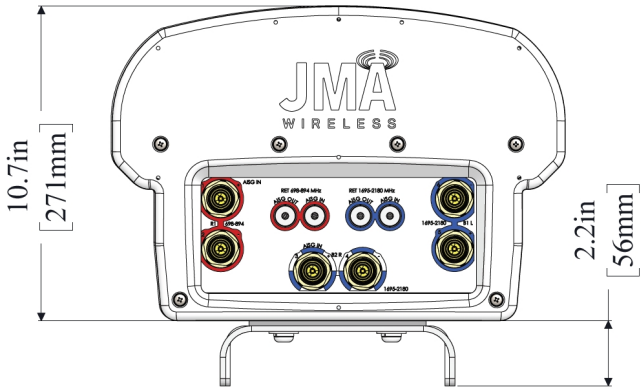
MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

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

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





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

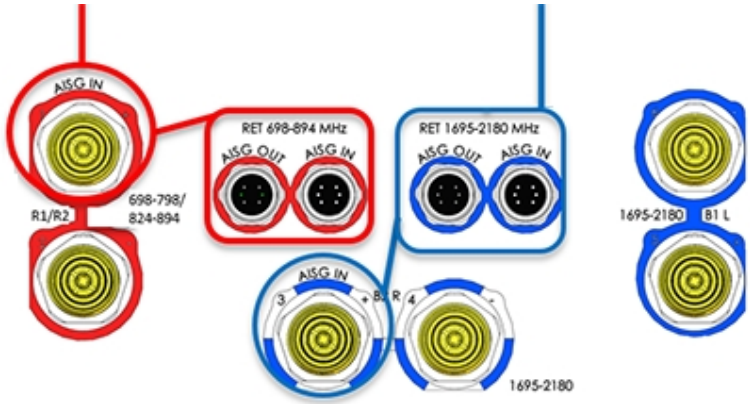
Remote electrical tilt (RET 1000) information	
RET location	Integrated into antenna
RET interface connector type	8-pin AISG connector per IEC 60130-9
RET connector torque	Min 0.5 N·m to max 1.0 N·m (hand pressure & finger tight)
RET interface connector quantity	2 pairs of AISG male/female connectors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

RET and RF connector topology

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

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

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

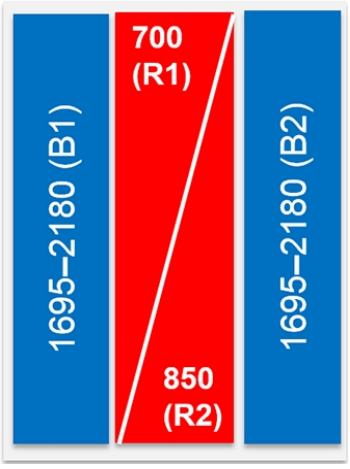


Array topology

3 sets of radiating arrays

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

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



SAMSUNG

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

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

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

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

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

Features and Benefits

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

Key Technical Specifications

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

SAMSUNG

Dual-Band Radio Unit
700/850MHz (B13/B5)
RFV01U-D2A

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

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

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

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

Features and Benefits

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

Key Technical Specifications

Duplex Type: FDD
Operating Frequencies:
B13: DL(746-756MHz)/UL(777-787MHz)
B5: DL(869-894MHz)/UL(824-849MHz)
Instantaneous Bandwidth: 10MHz(B13) + 25MHz(B5)
RF Chain: 4T4R/2T4R/2T2R
Output Power: Total 320W
DU-RU Interface: CPRI (10Gbps)
Dimensions: 380 x 380 x 207mm (29.9L)
Weight: 31.9kg
Input Power: -48V DC
Operating Temp.: -40 - 55°(w/o solar load)
Cooling: Natural convection

ATTACHMENT 3

	General	Power	Density					
Site Name: Brookfield S								
Tower Height: Verizon @ 146ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**CALC. POWER DENS**	**FREQ.**	**MAX. PERMISS. EXP.**	**FRACTION MPE**	**Total**
*Town	1	398	160	154.8	0.0060	0.2000	0.30%	
*Town	1	398	160	159.1	0.0060	0.2000	0.30%	
*Town	1	398	160	155.6	0.0060	0.2000	0.30%	
*Town	1	141	150	4900	0.0024	1.0000	0.02%	
*Town	1	141	60	4900	0.0174	1.0000	0.17%	
*Town	1	receive only	75			1.0000	0.00%	
VZW 700	**4**	623	**146**	0.0042	**751**	**0.5007**	**0.84%**	
VZW Cellular	**4**	623	**146**	0.0042	**874**	**0.5827**	**0.72%**	
VZW PCS	**4**	1462	**146**	0.0099	**1980**	**1.0000**	**0.99%**	
VZW AWS	**4**	1566	**146**	0.0106	**2120**	**1.0000**	**1.06%**	
VZW CBAND	**4**	6531	**146**	0.0441	**3730.005**	**1.0000**	**4.41%**	
								9.12%
* Source: Siting Council								

ATTACHMENT 4

AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure	:	**149 ft Monopole**
ATC Site Name	:	**Brookfield 2, CT**
ATC Asset Number	:	**209271**
Engineering Number	:	**OAA766168_C3_01**
Proposed Carrier	:	**VERIZON WIRELESS**
Carrier Site Name	:	**Brookfield_South_CT**
Carrier Site Number	:	**N/A**
Site Location	:	**N/A** **Brookfield, CT 06804** **41.463000,-73.398300**
County	:	**Fairfield**
Date	:	**June 9, 2021**
Max Usage	:	**25%**
Result	:	**Pass**

Prepared By:
Johnny Munoz-Cedeno, E.I.
Structural Engineer

Johnny Munoz

Reviewed By:

COA: PEC.0001553

AMERICAN TOWER®
CORPORATION

Table of Contents

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 149 ft monopole to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower Drawings	Ambor Structures Job #C15019008, dated December 7, 2016
Foundation Drawing	Ambor Structures Job #C15019008, dated December 7, 2016
Geotechnical Report	Nobis Engineering Inc. Project #92230.00, dated November 5, 2016

Analysis

The tower was analyzed using American Tower Corporation's tower analysis software. This program considers an elastic three-dimensional model and second-order effects per ANSI/TIA-222.

Basic Wind Speed:	115 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" radial ice concurrent
Code:	ANSI/TIA-222-H / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Crest Height (H):	0 ft
Spectral Response:	Ss = 0.21, S_1 = 0.05
Site Class:	D - Stiff Soil

Conclusion

Based on the analysis results, the structure meets the requirements per the applicable codes listed above. The tower and foundation can support the equipment as described in this report.

If you have any questions or require additional information, please contact American Tower via email at Engineering@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.

Existing and Reserved Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
146.0	3	Kathrein Scala 800 10735V01	Triangular Platform with Handrails and Kickers	(2) 1 5/8" Coax	VERIZON WIRELESS
2.0	2	RFS DB-T1-6Z-8AB-0Z	Flush	-	

Equipment to be Removed

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
146.0	3	Alcatel-Lucent RRH 2X60 850 MHz w/ solar shield	-	-	VERIZON WIRELESS
	3	Alcatel-Lucent RRH2X60-AWS			
	3	Kathrein Scala 800 10735V01			
	6	Commscope HBXX-6516DS-A2M			
	3	Alcatel-Lucent RRH2x60 700			

Proposed Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
146.0	3	Samsung B5/B13 RRH-BR04C	Triangular Platform with Handrails and Kickers	-	VERIZON WIRELESS
	3	Samsung B2/B66A RRH-BR049			
	3	Samsung MT6407-77A			
	6	JMA Wireless MX06FRO660-03			

[1] Contracted elevations are shown for appurtenances within contracted installation tolerances. Appurtenances outside of contract limits are shown at installed elevations.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	22%	Pass
Shaft	23%	Pass
Base Plate	4%	Pass

Foundations

Reaction Component	Analysis Reactions	% of Usage
Moment (Kips-Ft)	1,421.8	23%
Axial (Kips)	40.6	10%
Shear (Kips)	16.3	25%

The structure base reactions resulting from this analysis were found to be acceptable through analysis based on geotechnical and foundation information, therefore no modification or reinforcement of the foundation will be required.

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
146.0	Samsung B5/B13 RRH-BR04C	VERIZON WIRELESS	0.400	0.287
	Samsung B2/B66A RRH-BR049			
	Samsung MT6407-77A			
	JMA Wireless MX06FRO660-03			

***Deflection and Sway was evaluated considering a design wind speed of 60 mph (3-Second Gust) per ANSI/TIA-222-H**

Standard Conditions

All engineering services performed by A.T. Engineering Service, PLLC are prepared on the basis that the information used is current and correct. This information may consist of, but is not limited to the following:

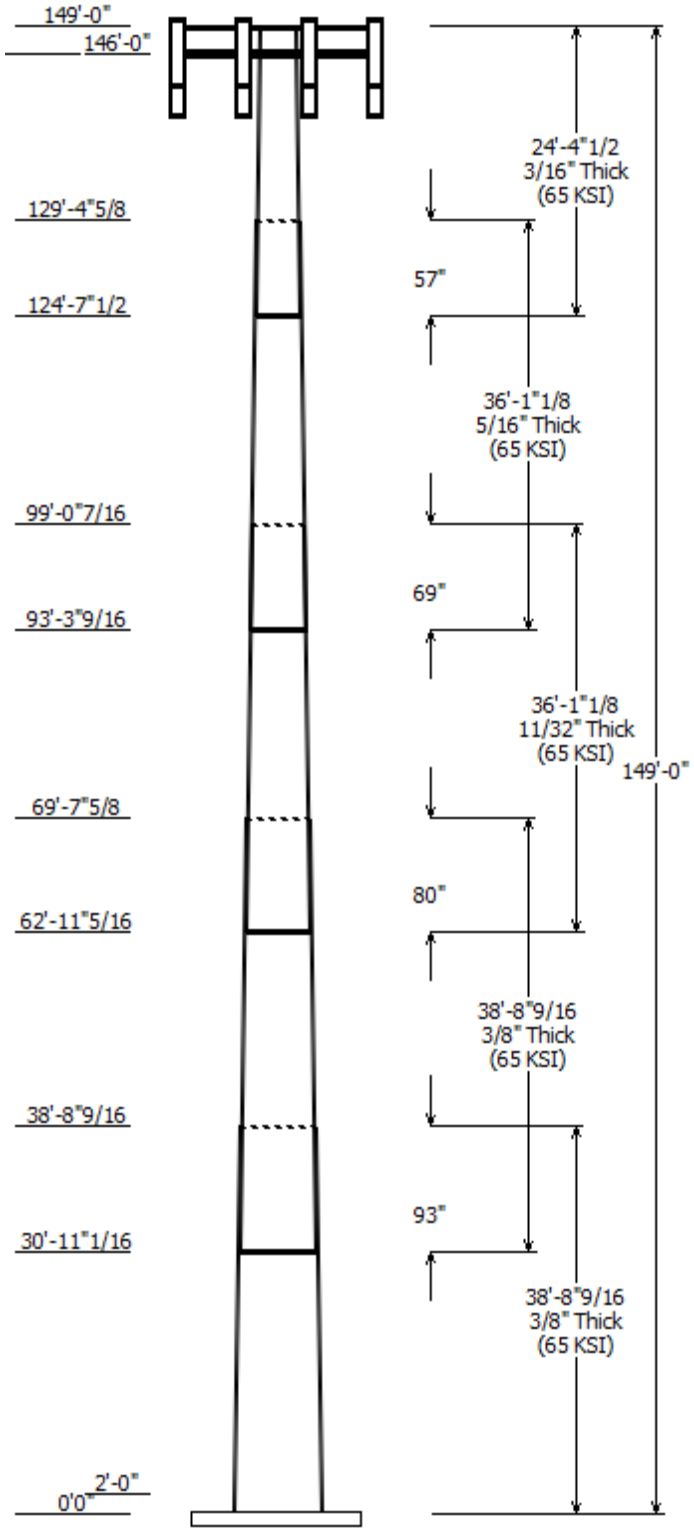
- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

It is the responsibility of the client to ensure that the information provided to A.T. Engineering Service, PLLC and used in the performance of our engineering services is correct and complete.

All assets of American Tower Corporation, its affiliates and subsidiaries (collectively "American Tower") are inspected at regular intervals. Based upon these inspections and in the absence of information to the contrary, American Tower assumes that all structures were constructed in accordance with the drawings and specifications.

Unless explicitly agreed by both the client and A.T. Engineering Service, PLLC, all services will be performed in accordance with the current revision of ANSI/TIA-222.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. A.T. Engineering Service, PLLC is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.



Job Information

Client :	VERIZON WIRELESS		
Pole :	209271	Code:	ANSI/TIA-222-H
Location :	Brookfield 2, CT		
Description :		Risk Category :	II
Shape :	18 Sides	Exposure :	B
Height :	149.00 (ft)	Topo Method :	Method 1
Base Elev (ft):	0.00	Topographic Category :	1
Taper:	0.291057 (in/ft)		

Sections Properties

Shaft Section	Length (ft)	Diameter (in) Accross Flats Top	Bottom	Thick (in)	Joint Type	Overlap Length (in)	Steel Grade Shape	(ksi)
1	38.711	55.66	66.93	0.375		0.000	18 Sides	65
2	38.711	47.41	58.68	0.375	Slip Joint	93.469	18 Sides	65
3	36.091	39.54	50.04	0.344	Slip Joint	80.281	18 Sides	65
4	36.091	31.33	41.83	0.313	Slip Joint	68.875	18 Sides	65
5	24.375	26.00	33.09	0.188	Slip Joint	57.125	18 Sides	65

Discrete Appurtenance

Attach Elev (ft)	Force Elev (ft)	Qty	Description
146.000	146.000	1	Generic Round Platform with
146.000	146.000	1	Generic Mount Reinforcement
146.000	146.000	6	JMA Wireless MX06FRO660-03
146.000	144.600	3	Kathrein Scala 800 10735V01
146.000	146.000	3	Samsung MT6407-77A
146.000	146.000	3	Samsung B2/B66A RRH-BR049
146.000	146.000	3	Samsung B5/B13 RRH-BR04C
2.000	2.000	2	RFS DB-T1-6Z-8AB-0Z

Linear Appurtenance

Elev (ft) From	To	Description	Exposed To Wind
0.000	146.0	1 5/8" Coax	No

Load Cases

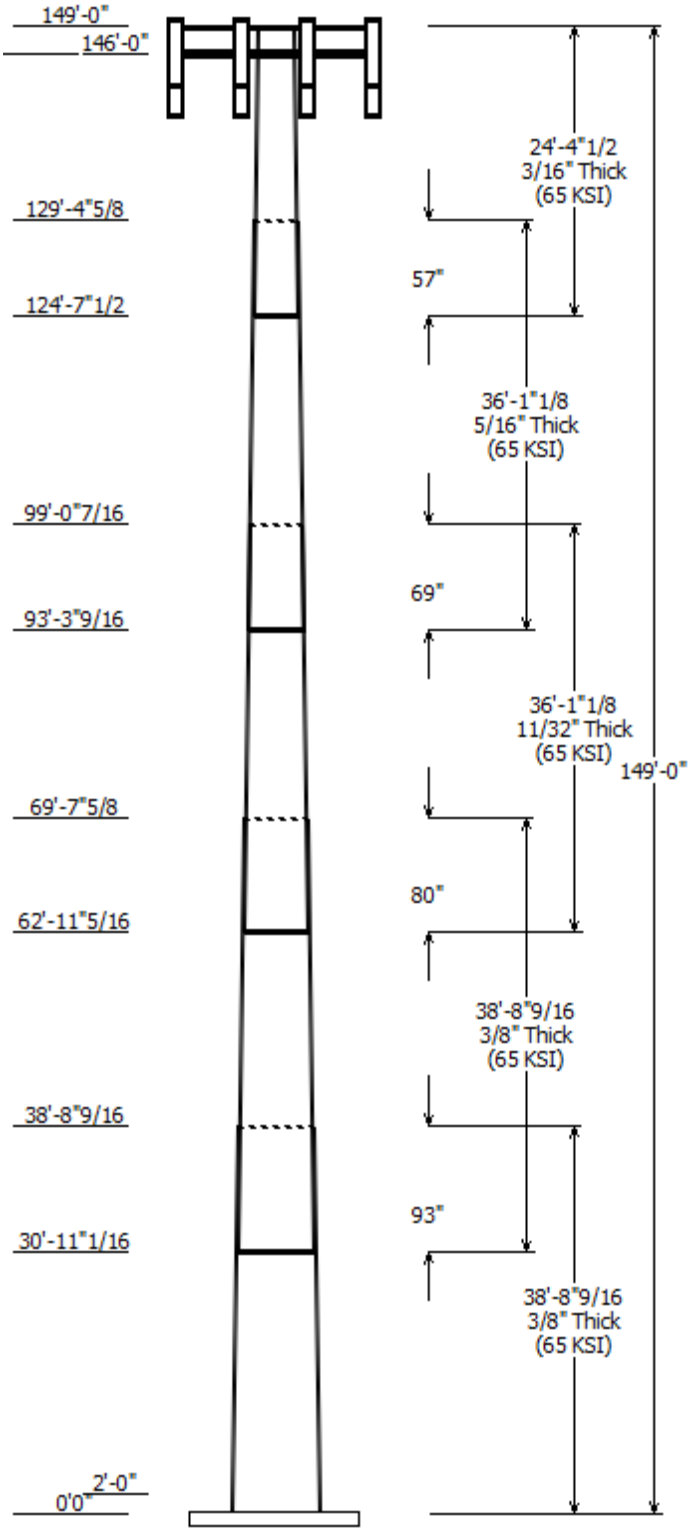
1.2D + 1.0W	115 mph with No Ice
0.9D + 1.0W	115 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.00 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

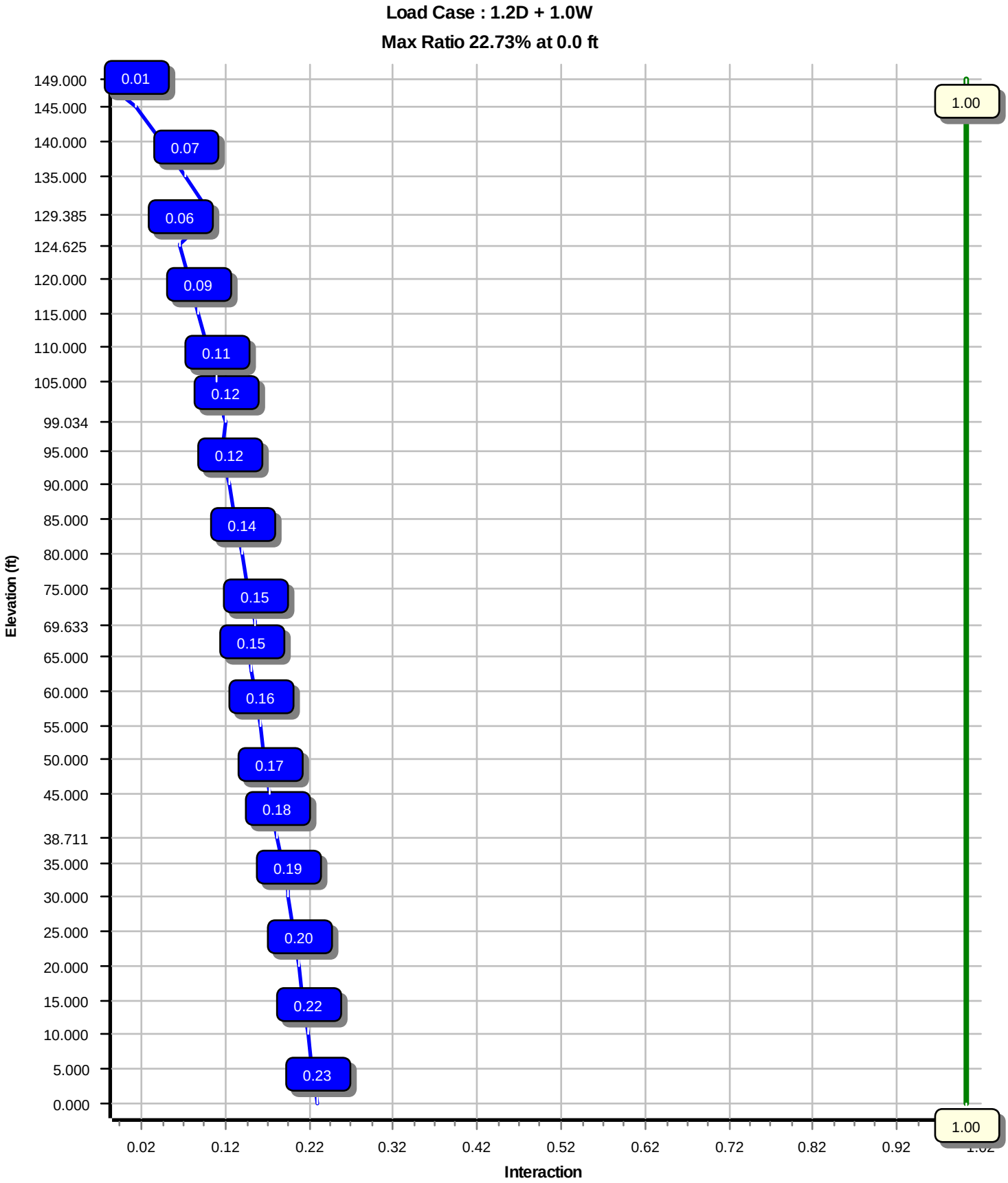
Reactions

Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.0W	1421.78	16.28	40.58
0.9D + 1.0W	1416.10	16.28	30.44
1.2D + 1.0Di + 1.0Wi	434.03	5.06	52.02
1.2D + 1.0Ev + 1.0Eh	151.20	1.41	41.44
0.9D - 1.0Ev + 1.0Eh	150.44	1.41	28.45
1.0D + 1.0W	345.31	3.96	33.82

Dish Deflections

Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
	0.00	0.000	0.000


149'-0"
146'-0"
129'-4"5/8
124'-7"1/2
99'-0"7/16
93'-3"9/16
69'-7"5/8
62'-11"5/16
38'-8"9/16
30'-11"1/16
2'-0"
0'0"
24'-4"1/2
3/16" Thick
(65 KSI)
57"
36'-1"1/8
5/16" Thick
(65 KSI)
69"
36'-1"1/8
11/32" Thick
(65 KSI)
80"
38'-8"9/16
3/8" Thick
(65 KSI)
93"
38'-8"9/16
3/8" Thick
(65 KSI)
149'-0"


Load Case : 1.2D + 1.0W
Max Ratio 22.73% at 0.0 ft
Elevation (ft)
149.000
145.000
140.000
135.000
129.385
124.625
120.000
115.000
110.000
105.000
99.034
95.000
90.000
85.000
80.000
75.000
69.633
65.000
60.000
55.000
50.000
45.000
38.711
35.000
30.000
25.000
20.000
15.000
10.000
5.000
0.000
0.01
0.07
0.06
0.09
0.11
0.12
0.12
0.14
0.15
0.15
0.16
0.17
0.18
0.19
0.20
0.22
0.23
1.00
1.00
0.02
0.12
0.22
0.32
0.42
0.52
0.62
0.72
0.82
0.92
Interaction

Site Number: 209271 **Code:** ANSI/TIA-222-H

Site Name: Brookfield 2, CT **Engineering Number:**OAA766168_C3_01 **6/9/2021 6:20:44 PM**

Customer: VERIZON WIRELESS

Analysis Parameters

Location :	Fairfield County, CT	**Height (ft) :**	149
Code :	ANSI/TIA-222-H	**Base Diameter (in) :**	66.93
Shape :	18 Sides	**Top Diameter (in) :**	26.00
Pole Type :	Taper	**Taper (in/ft) :**	0.291
Pole Manfacturer :		**Rotation (deg) :**	0.00
Kd (non-service) :	0.95	**Ke :**	0.99

Ice & Wind Parameters

Exposure Category:	B	**Design Wind Speed Without Ice:**	115 mph
Risk Category:	II	**Design Wind Speed With Ice:**	50 mph
Topographic Factor Procedure:	Method 1	**Operational Wind Speed:**	60 mph
Topographic Category:	1	**Design Ice Thickness:**	1.00 in
Crest Height:	0 ft	**HMSL:**	336.00 ft

Seismic Parameters

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil				
Period Based on Rayleigh Method (sec):	1.41				
T_L (sec):	6	**p:**	1	**C_s:**	0.042
S_s:	0.212	**S_1:**	0.055	**C_s Max:**	0.042
F_a:	1.600	**F_v:**	2.400	**C_s Min:**	0.030
S_{ds}:	0.226	**S_{d1}:**	0.088		

Load Cases

1.2D + 1.0W	115 mph with No Ice
0.9D + 1.0W	115 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.00 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

Shaft Section Properties

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Slip Joint Len (in)	Weight (lb)	Bottom Dia (in)	Bottom Elev (ft)	Bottom Area (in²)	Bottom Ix (in⁴)	Bottom W/t Ratio	Bottom D/t Ratio	Top Dia (in)	Top Elev (ft)	Top Area (in²)	Top Ix (in⁴)	Top W/t Ratio	Top D/t Ratio	Taper (in/ft)
1-18	38.711	0.3750	65		0.00	9,551	66.93	0.00	79.21	44332.0	29.71	178.48	55.66	38.71	65.80	25413.6	24.41	148.43	0.291057
2-18	38.711	0.3750	65	Slip	93.47	8,258	58.68	30.92	69.39	29805.2	25.83	156.48	47.41	69.63	55.98	15650.2	20.53	126.43	0.291057
3-18	36.091	0.3438	65	Slip	80.28	5,956	50.04	62.94	54.23	16926.1	23.91	145.59	39.54	99.03	42.77	8302.7	18.52	115.03	0.291057
4-18	36.091	0.3125	65	Slip	68.88	4,418	41.83	93.29	41.19	8973.4	21.84	133.88	31.33	129.39	30.77	3740.9	15.92	100.27	0.291057
5-18	24.375	0.1875	65	Slip	57.13	1,449	33.09	124.63	19.58	2679.2	29.36	176.50	26.00	149.00	15.36	1293.1	22.69	138.67	0.291057
				Shaft Weight		29,633													

Discrete Appurtenance Properties

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	No Ice Weight (lb)	No Ice EPAa (sf)	No Ice Orientation Factor	Ice Weight (lb)	Ice EPAa (sf)	Ice Orientation Factor
146.00	Samsung B5/B13 RRH-BR04C	3	0.75	0.000	70.30	1.875	0.50	108.40	2.476	0.50
146.00	Samsung B2/B66A RRH-BR049	3	0.75	0.000	84.40	1.875	0.50	126.89	2.476	0.50
146.00	Samsung MT6407-77A	3	0.75	0.000	81.60	4.709	0.61	149.48	5.721	0.61
146.00	Generic Mount Reinforcement	1	1.00	0.000	200.00	7.500	1.00	328.89	12.487	1.00
146.00	Kathrein Scala 800 10735V01	3	0.75	-1.400	30.90	8.635	0.63	131.77	10.602	0.63
146.00	JMA Wireless MX06FRO660-03	6	0.75	0.000	60.00	9.872	0.71	219.68	11.700	0.71
146.00	Generic Round Platform with	1	1.00	0.000	2,500.00	27.200	1.00	3,578.74	43.480	1.00
2.00	RFS DB-T1-6Z-8AB-0Z	2	0.75	0.000	44.00	4.800	0.72	94.94	5.375	0.72
Totals	Num Loadings:8	22			3,949.60			6,965.24		

Linear Appurtenance Properties

Load Case Azimuth (deg) : 0

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Dia (in)	Coax Wt (lb/ft)	Flat	Max Coax / Row	Dist Between Rows (in)	Dist Between Cols (in)	Azimuth (deg)	Dist From Face (in)	Exposed To Wind	Carrier
0.00	146.00	2	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	VERIZON WIRELESS

Segment Properties (Max Len : 5. ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	F'y (ksi)	S (in^3)	Z (in^3)	Weight (lb)
0.00		0.3750	66.930	79.214	44,332.0	29.71	178.48	66.5	1304.	0.0	0.0
2.00		0.3750	66.348	78.521	43,178.9	29.43	176.93	66.8	1281.	0.0	536.7
5.00		0.3750	65.475	77.482	41,487.1	29.02	174.60	67.3	1248.	0.0	796.3
10.00		0.3750	64.019	75.750	38,766.5	28.34	170.72	68.1	1192.	0.0	1,303.5
15.00		0.3750	62.564	74.018	36,167.6	27.65	166.84	68.9	1138.	0.0	1,274.1
20.00		0.3750	61.109	72.286	33,687.5	26.97	162.96	69.7	1085.	0.0	1,244.6
25.00		0.3750	59.654	70.554	31,323.4	26.29	159.08	70.5	1034.	0.0	1,215.1
30.00		0.3750	58.198	68.822	29,072.6	25.60	155.20	71.3	983.9	0.0	1,185.7
30.92	Bot - Section 2	0.3750	57.930	68.502	28,669.8	25.48	154.48	71.4	974.8	0.0	215.4
35.00		0.3750	56.743	67.090	26,932.3	24.92	151.31	72.1	934.9	0.0	1,894.0
38.71	Top - Section 1	0.3750	56.413	66.697	26,461.9	24.76	150.43	72.3	923.9	0.0	1,689.4
40.00		0.3750	56.038	66.250	25,934.0	24.59	149.43	72.5	911.5	0.0	291.6
45.00		0.3750	54.582	64.518	23,952.6	23.90	145.55	73.3	864.3	0.0	1,112.4
50.00		0.3750	53.127	62.786	22,074.8	23.22	141.67	74.1	818.4	0.0	1,083.0
55.00		0.3750	51.672	61.054	20,297.8	22.53	137.79	74.9	773.7	0.0	1,053.5
60.00		0.3750	50.217	59.322	18,618.8	21.85	133.91	75.7	730.3	0.0	1,024.0
62.94	Bot - Section 3	0.3750	49.360	58.302	17,675.3	21.45	131.63	76.2	705.3	0.0	588.9
65.00		0.3750	48.761	57.590	17,035.0	21.16	130.03	76.5	688.1	0.0	783.0
69.63	Top - Section 2	0.3438	48.100	52.104	15,013.7	22.91	139.93	74.5	614.8	0.0	1,728.2
70.00		0.3438	47.994	51.987	14,913.1	22.86	139.62	74.5	612.0	0.0	65.0
75.00		0.3438	46.538	50.399	13,588.0	22.11	135.38	75.4	575.1	0.0	871.0
80.00		0.3438	45.083	48.811	12,343.9	21.36	131.15	76.3	539.3	0.0	844.0
85.00		0.3438	43.628	47.224	11,178.1	20.62	126.92	77.2	504.6	0.0	817.0
90.00		0.3438	42.172	45.636	10,088.1	19.87	122.68	78.0	471.2	0.0	790.0
93.29	Bot - Section 4	0.3438	41.214	44.590	9,410.1	19.38	119.89	78.6	449.7	0.0	505.7
95.00		0.3438	40.717	44.048	9,071.3	19.12	118.45	78.9	438.8	0.0	494.9
99.03	Top - Section 3	0.3125	40.168	39.530	7,933.4	20.90	128.54	76.8	389.0	0.0	1,146.4
100.0		0.3125	39.887	39.251	7,766.7	20.74	127.64	77.0	383.5	0.0	129.5
105.0		0.3125	38.432	37.808	6,941.0	19.92	122.98	78.0	355.7	0.0	655.5
110.0		0.3125	36.976	36.365	6,176.0	19.10	118.32	78.9	329.0	0.0	631.0
115.0		0.3125	35.521	34.921	5,469.3	18.28	113.67	79.9	303.3	0.0	606.4
120.0		0.3125	34.066	33.478	4,818.8	17.46	109.01	80.9	278.6	0.0	581.9
124.6	Bot - Section 5	0.3125	32.720	32.143	4,264.9	16.70	104.70	81.8	256.7	0.0	516.4
125.0		0.3125	32.610	32.034	4,222.0	16.64	104.35	81.8	255.0	0.0	65.9
129.3	Top - Section 4	0.1875	31.709	18.759	2,354.9	28.06	169.11	68.4	146.3	0.0	754.2
130.0		0.1875	31.530	18.652	2,315.0	27.89	168.16	68.6	144.6	0.0	39.1
135.0		0.1875	30.075	17.786	2,007.3	26.52	160.40	70.2	131.5	0.0	310.0
140.0		0.1875	28.620	16.920	1,728.1	25.15	152.64	71.8	118.9	0.0	295.2
145.0		0.1875	27.164	16.054	1,476.1	23.78	144.88	73.4	107.0	0.0	280.5
146.0		0.1875	26.873	15.881	1,428.8	23.51	143.32	73.8	104.7	0.0	54.3
149.0		0.1875	26.000	15.361	1,293.1	22.69	138.67	74.7	98.0	0.0	159.5
											29,632.7

Site Number: 209271 | Code: ANSI/TIA-222-H |

Site Name: Brookfield 2, CT | Engineering Number:OAA766168_C3_01 | 6/9/2021 6:20:44 PM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0W | 115 mph with No Ice | 20 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.20
Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		100.7	0.0					0.0	0.0	100.7	0.0	0.0	0.0
2.00	Appurtenance(s)	250.1	644.1	126.8	0.0	0.0	105.6	0.0	3.9	377.0	753.6	0.0	0.0
5.00		394.1	955.5					0.0	5.9	394.1	961.4	0.0	0.0
10.00		483.8	1,564.2					0.0	9.8	483.8	1,574.1	0.0	0.0
15.00		472.8	1,528.9					0.0	9.8	472.8	1,538.7	0.0	0.0
20.00		461.8	1,493.5					0.0	9.8	461.8	1,503.4	0.0	0.0
25.00		450.8	1,458.2					0.0	9.8	450.8	1,468.0	0.0	0.0
30.00		263.3	1,422.8					0.0	9.8	263.3	1,432.6	0.0	0.0
30.92	Bot - Section 2	224.7	258.5					0.0	1.8	224.7	260.3	0.0	0.0
35.00		353.6	2,272.8					0.0	8.0	353.6	2,280.8	0.0	0.0
38.71	Top - Section 1	228.8	2,027.3					0.0	7.3	228.8	2,034.6	0.0	0.0
40.00		290.3	349.9					0.0	2.5	290.3	352.4	0.0	0.0
45.00		463.3	1,334.9					0.0	9.8	463.3	1,344.8	0.0	0.0
50.00		464.7	1,299.6					0.0	9.8	464.7	1,309.4	0.0	0.0
55.00		464.5	1,264.2					0.0	9.8	464.5	1,274.0	0.0	0.0
60.00		368.0	1,228.8					0.0	9.8	368.0	1,238.7	0.0	0.0
62.94	Bot - Section 3	232.1	706.7					0.0	5.8	232.1	712.5	0.0	0.0
65.00		311.4	939.6					0.0	4.0	311.4	943.6	0.0	0.0
69.63	Top - Section 2	232.3	2,073.8					0.0	9.1	232.3	2,083.0	0.0	0.0
70.00		247.0	78.0					0.0	0.7	247.0	78.8	0.0	0.0
75.00		457.2	1,045.2					0.0	9.8	457.2	1,055.0	0.0	0.0
80.00		451.1	1,012.8					0.0	9.8	451.1	1,022.6	0.0	0.0
85.00		444.2	980.4					0.0	9.8	444.2	990.2	0.0	0.0
90.00		363.2	947.9					0.0	9.8	363.2	957.8	0.0	0.0
93.29	Bot - Section 4	217.3	606.8					0.0	6.5	217.3	613.3	0.0	0.0
95.00		248.3	593.8					0.0	3.4	248.3	597.2	0.0	0.0
99.03	Top - Section 3	215.1	1,375.7					0.0	7.9	215.1	1,383.7	0.0	0.0
100.00		251.6	155.4					0.0	1.9	251.6	157.3	0.0	0.0
105.00		415.7	786.6					0.0	9.8	415.7	796.5	0.0	0.0
110.00		405.3	757.2					0.0	9.8	405.3	767.0	0.0	0.0
115.00		394.3	727.7					0.0	9.8	394.3	737.5	0.0	0.0
120.00		368.9	698.2					0.0	9.8	368.9	708.1	0.0	0.0
124.63	Bot - Section 5	188.6	619.6					0.0	9.1	188.6	628.7	0.0	0.0
125.00		176.2	79.1					0.0	0.7	176.2	79.8	0.0	0.0
129.39	Top - Section 4	184.4	905.0					0.0	8.6	184.4	913.7	0.0	0.0
130.00		200.4	46.9					0.0	1.2	200.4	48.1	0.0	0.0
135.00		349.5	372.0					0.0	9.8	349.5	381.8	0.0	0.0
140.00		336.1	354.3					0.0	9.8	336.1	364.1	0.0	0.0
145.00		196.7	336.6					0.0	9.8	196.7	346.4	0.0	0.0
146.00	Appurtenance(s)	113.7	65.2	3,430.1	0.0	-657.7	4,633.9	0.0	2.0	3,543.8	4,701.1	0.0	0.0
149.00		81.6	191.4					0.0	0.0	81.6	191.4	0.0	0.0
								Totals:		16,373.9	40,586.0	0.00	0.00

Load Case: 1.2D + 1.0W — 115 mph with No Ice — 20 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.20
Wind Load Factor :1.00

Calculated Forces

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 (deg)	Ratio
0.00	-40.58	-16.28	0.00	-1,421.78	0.00	1,421.78	4,738.09	1,390.21	8,356.57	6,502.75	0.00	0.00	0.227
2.00	-39.82	-15.92	0.00	-1,389.22	0.00	1,389.22	4,719.40	1,378.05	8,211.04	6,420.13	0.00	-0.02	0.225
5.00	-38.85	-15.55	0.00	-1,341.47	0.00	1,341.47	4,690.61	1,359.81	7,995.15	6,296.03	0.02	-0.05	0.221
10.00	-37.27	-15.09	0.00	-1,263.73	0.00	1,263.73	4,640.62	1,329.41	7,641.72	6,088.89	0.10	-0.09	0.216
15.00	-35.72	-14.64	0.00	-1,188.28	0.00	1,188.28	4,588.12	1,299.02	7,296.27	5,881.55	0.21	-0.13	0.210
20.00	-34.20	-14.20	0.00	-1,115.06	0.00	1,115.06	4,533.11	1,268.62	6,958.82	5,674.24	0.38	-0.18	0.204
25.00	-32.73	-13.77	0.00	-1,044.04	0.00	1,044.04	4,475.60	1,238.22	6,629.36	5,467.18	0.59	-0.23	0.198
30.00	-31.29	-13.52	0.00	-975.16	0.00	975.16	4,415.57	1,207.82	6,307.88	5,260.60	0.86	-0.27	0.193
30.92	-31.02	-13.31	0.00	-962.70	0.00	962.70	4,404.23	1,202.22	6,249.48	5,222.59	0.91	-0.28	0.192
35.00	-28.74	-12.96	0.00	-908.43	0.00	908.43	4,353.04	1,177.42	5,994.40	5,054.74	1.16	-0.32	0.186
38.71	-26.70	-12.73	0.00	-860.34	0.00	860.34	4,338.50	1,170.53	5,924.40	5,008.16	1.43	-0.35	0.178
40.00	-26.34	-12.45	0.00	-843.93	0.00	843.93	4,321.83	1,162.69	5,845.34	4,955.29	1.52	-0.36	0.177
45.00	-24.99	-12.00	0.00	-781.68	0.00	781.68	4,255.57	1,132.29	5,543.72	4,750.90	1.93	-0.41	0.171
50.00	-23.68	-11.54	0.00	-721.69	0.00	721.69	4,186.80	1,101.89	5,250.09	4,547.78	2.38	-0.45	0.164
55.00	-22.40	-11.08	0.00	-663.99	0.00	663.99	4,115.52	1,071.50	4,964.44	4,346.16	2.88	-0.50	0.158
60.00	-21.16	-10.72	0.00	-608.57	0.00	608.57	4,041.73	1,041.10	4,686.79	4,146.27	3.43	-0.54	0.152
62.94	-20.44	-10.49	0.00	-577.03	0.00	577.03	3,997.13	1,023.21	4,527.11	4,029.52	3.77	-0.57	0.148
65.00	-19.50	-10.18	0.00	-555.45	0.00	555.45	3,965.43	1,010.70	4,417.12	3,948.33	4.02	-0.59	0.146
69.63	-17.41	-9.93	0.00	-508.31	0.00	508.31	3,491.42	914.42	3,944.27	3,433.00	4.62	-0.63	0.153
70.00	-17.33	-9.69	0.00	-504.67	0.00	504.67	3,486.62	912.37	3,926.63	3,420.56	4.66	-0.63	0.153
75.00	-16.27	-9.23	0.00	-456.23	0.00	456.23	3,419.96	884.51	3,690.47	3,251.95	5.35	-0.68	0.145
80.00	-15.25	-8.78	0.00	-410.07	0.00	410.07	3,350.79	856.64	3,461.64	3,085.07	6.09	-0.72	0.138
85.00	-14.26	-8.33	0.00	-366.17	0.00	366.17	3,279.11	828.78	3,240.12	2,920.12	6.87	-0.77	0.130
90.00	-13.30	-7.97	0.00	-324.50	0.00	324.50	3,204.92	800.91	3,025.93	2,757.33	7.70	-0.81	0.122
93.29	-12.69	-7.74	0.00	-298.26	0.00	298.26	3,154.67	782.55	2,888.81	2,651.38	8.27	-0.84	0.117
95.00	-12.09	-7.49	0.00	-285.05	0.00	285.05	3,128.22	773.05	2,819.07	2,596.95	8.58	-0.86	0.114
99.03	-10.71	-7.26	0.00	-254.82	0.00	254.82	2,732.93	693.76	2,497.42	2,241.19	9.32	-0.89	0.118
100.00	-10.55	-7.01	0.00	-247.81	0.00	247.81	2,720.24	688.86	2,462.30	2,214.92	9.50	-0.90	0.116
105.00	-9.76	-6.59	0.00	-212.75	0.00	212.75	2,653.07	663.53	2,284.56	2,080.17	10.46	-0.94	0.106
110.00	-8.99	-6.18	0.00	-179.80	0.00	179.80	2,583.39	638.20	2,113.47	1,947.58	11.47	-0.98	0.096
115.00	-8.26	-5.78	0.00	-148.91	0.00	148.91	2,511.20	612.87	1,949.04	1,817.37	12.52	-1.02	0.085
120.00	-7.56	-5.40	0.00	-120.03	0.00	120.03	2,436.51	587.53	1,791.27	1,689.79	13.61	-1.05	0.074
124.63	-6.93	-5.20	0.00	-95.06	0.00	95.06	2,365.18	564.10	1,651.26	1,574.30	14.65	-1.08	0.063
125.00	-6.85	-5.02	0.00	-93.10	0.00	93.10	2,359.30	562.20	1,640.16	1,565.05	14.73	-1.09	0.062
129.39	-5.94	-4.82	0.00	-71.07	0.00	71.07	1,154.81	329.21	937.25	750.40	15.74	-1.11	0.100
130.00	-5.89	-4.62	0.00	-68.11	0.00	68.11	1,151.57	327.34	926.64	744.03	15.89	-1.11	0.097
135.00	-5.52	-4.27	0.00	-44.98	0.00	44.98	1,123.87	312.14	842.59	692.21	17.07	-1.15	0.070
140.00	-5.16	-3.93	0.00	-23.63	0.00	23.63	1,093.66	296.95	762.54	640.60	18.29	-1.17	0.042
145.00	-4.82	-3.73	0.00	-3.98	0.00	3.98	1,060.94	281.75	686.49	589.42	19.53	-1.18	0.011
146.00	-0.19	-0.09	0.00	-0.26	0.00	0.26	1,054.09	278.71	671.76	579.25	19.78	-1.18	0.001
149.00	0.00	-0.08	0.00	0.00	0.00	0.00	1,032.95	269.59	628.52	548.93	20.52	-1.19	0.000

Load Case: 0.9D + 1.0W — 115 mph with No Ice (Reduced DL) — 20 Iterations

Gust Response Factor :1.10
Dead Load Factor :0.90
Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		100.7	0.0					0.0	0.0	100.7	0.0	0.0	0.0
2.00	Appurtenance(s)	250.1	483.1	126.8	0.0	0.0	79.2	0.0	3.0	377.0	565.2	0.0	0.0
5.00		394.1	716.6					0.0	4.4	394.1	721.1	0.0	0.0
10.00		483.8	1,173.2					0.0	7.4	483.8	1,180.6	0.0	0.0
15.00		472.8	1,146.7					0.0	7.4	472.8	1,154.0	0.0	0.0
20.00		461.8	1,120.1					0.0	7.4	461.8	1,127.5	0.0	0.0
25.00		450.8	1,093.6					0.0	7.4	450.8	1,101.0	0.0	0.0
30.00		263.3	1,067.1					0.0	7.4	263.3	1,074.5	0.0	0.0
30.92	Bot - Section 2	224.7	193.9					0.0	1.4	224.7	195.2	0.0	0.0
35.00		353.6	1,704.6					0.0	6.0	353.6	1,710.6	0.0	0.0
38.71	Top - Section 1	228.8	1,520.4					0.0	5.5	228.8	1,525.9	0.0	0.0
40.00		290.3	262.4					0.0	1.9	290.3	264.3	0.0	0.0
45.00		463.3	1,001.2					0.0	7.4	463.3	1,008.6	0.0	0.0
50.00		464.7	974.7					0.0	7.4	464.7	982.1	0.0	0.0
55.00		464.5	948.1					0.0	7.4	464.5	955.5	0.0	0.0
60.00		368.0	921.6					0.0	7.4	368.0	929.0	0.0	0.0
62.94	Bot - Section 3	232.1	530.0					0.0	4.3	232.1	534.4	0.0	0.0
65.00		311.4	704.7					0.0	3.0	311.4	707.7	0.0	0.0
69.63	Top - Section 2	232.3	1,555.4					0.0	6.8	232.3	1,562.2	0.0	0.0
70.00		247.0	58.5					0.0	0.5	247.0	59.1	0.0	0.0
75.00		457.2	783.9					0.0	7.4	457.2	791.3	0.0	0.0
80.00		451.1	759.6					0.0	7.4	451.1	767.0	0.0	0.0
85.00		444.2	735.3					0.0	7.4	444.2	742.6	0.0	0.0
90.00		363.2	711.0					0.0	7.4	363.2	718.3	0.0	0.0
93.29	Bot - Section 4	217.3	455.1					0.0	4.9	217.3	460.0	0.0	0.0
95.00		248.3	445.4					0.0	2.5	248.3	447.9	0.0	0.0
99.03	Top - Section 3	215.1	1,031.8					0.0	6.0	215.1	1,037.7	0.0	0.0
100.00		251.6	116.5					0.0	1.4	251.6	118.0	0.0	0.0
105.00		415.7	590.0					0.0	7.4	415.7	597.4	0.0	0.0
110.00		405.3	567.9					0.0	7.4	405.3	575.3	0.0	0.0
115.00		394.3	545.8					0.0	7.4	394.3	553.2	0.0	0.0
120.00		368.9	523.7					0.0	7.4	368.9	531.1	0.0	0.0
124.63	Bot - Section 5	188.6	464.7					0.0	6.8	188.6	471.6	0.0	0.0
125.00		176.2	59.3					0.0	0.6	176.2	59.9	0.0	0.0
129.39	Top - Section 4	184.4	678.8					0.0	6.5	184.4	685.2	0.0	0.0
130.00		200.4	35.2					0.0	0.9	200.4	36.1	0.0	0.0
135.00		349.5	279.0					0.0	7.4	349.5	286.4	0.0	0.0
140.00		336.1	265.7					0.0	7.4	336.1	273.1	0.0	0.0
145.00		196.7	252.5					0.0	7.4	196.7	259.8	0.0	0.0
146.00	Appurtenance(s)	113.7	48.9	3,430.1	0.0	-657.7	3,475.4	0.0	1.5	3,543.8	3,525.8	0.0	0.0
149.00		81.6	143.5					0.0	0.0	81.6	143.5	0.0	0.0
								Totals:		16,373.9	30,439.5	0.00	0.00

Load Case: 0.9D + 1.0W — 115 mph with No Ice (Reduced DL) — 20 Iterations

Gust Response Factor :1.10
Dead Load Factor :0.90
Wind Load Factor :1.00

Calculated Forces

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 (deg)	Ratio
0.00	-30.44	-16.28	0.00	-1,416.10	0.00	1,416.10	4,738.09	1,390.21	8,356.57	6,502.75	0.00	0.00	0.224
2.00	-29.87	-15.91	0.00	-1,383.55	0.00	1,383.55	4,719.40	1,378.05	8,211.04	6,420.13	0.00	-0.02	0.222
5.00	-29.13	-15.54	0.00	-1,335.81	0.00	1,335.81	4,690.61	1,359.81	7,995.15	6,296.03	0.02	-0.04	0.219
10.00	-27.94	-15.07	0.00	-1,258.13	0.00	1,258.13	4,640.62	1,329.41	7,641.72	6,088.89	0.10	-0.09	0.213
15.00	-26.78	-14.62	0.00	-1,182.77	0.00	1,182.77	4,588.12	1,299.02	7,296.27	5,881.55	0.21	-0.13	0.207
20.00	-25.64	-14.17	0.00	-1,109.68	0.00	1,109.68	4,533.11	1,268.62	6,958.82	5,674.24	0.38	-0.18	0.201
25.00	-24.53	-13.74	0.00	-1,038.81	0.00	1,038.81	4,475.60	1,238.22	6,629.36	5,467.18	0.59	-0.22	0.196
30.00	-23.45	-13.48	0.00	-970.12	0.00	970.12	4,415.57	1,207.82	6,307.88	5,260.60	0.85	-0.27	0.190
30.92	-23.25	-13.27	0.00	-957.69	0.00	957.69	4,404.23	1,202.22	6,249.48	5,222.59	0.90	-0.28	0.189
35.00	-21.53	-12.92	0.00	-903.59	0.00	903.59	4,353.04	1,177.42	5,994.40	5,054.74	1.16	-0.32	0.184
38.71	-20.01	-12.69	0.00	-855.66	0.00	855.66	4,338.50	1,170.53	5,924.40	5,008.16	1.42	-0.35	0.176
40.00	-19.74	-12.41	0.00	-839.30	0.00	839.30	4,321.83	1,162.69	5,845.34	4,955.29	1.52	-0.36	0.174
45.00	-18.72	-11.95	0.00	-777.28	0.00	777.28	4,255.57	1,132.29	5,543.72	4,750.90	1.92	-0.41	0.168
50.00	-17.73	-11.49	0.00	-717.53	0.00	717.53	4,186.80	1,101.89	5,250.09	4,547.78	2.37	-0.45	0.162
55.00	-16.77	-11.03	0.00	-660.07	0.00	660.07	4,115.52	1,071.50	4,964.44	4,346.16	2.87	-0.50	0.156
60.00	-15.84	-10.67	0.00	-604.92	0.00	604.92	4,041.73	1,041.10	4,686.79	4,146.27	3.41	-0.54	0.150
62.94	-15.31	-10.43	0.00	-573.53	0.00	573.53	3,997.13	1,023.21	4,527.11	4,029.52	3.76	-0.57	0.146
65.00	-14.60	-10.12	0.00	-552.07	0.00	552.07	3,965.43	1,010.70	4,417.12	3,948.33	4.00	-0.59	0.144
69.63	-13.03	-9.88	0.00	-505.17	0.00	505.17	3,491.42	914.42	3,944.27	3,433.00	4.59	-0.63	0.151
70.00	-12.97	-9.64	0.00	-501.54	0.00	501.54	3,486.62	912.37	3,926.63	3,420.56	4.64	-0.63	0.150
75.00	-12.18	-9.18	0.00	-453.36	0.00	453.36	3,419.96	884.51	3,690.47	3,251.95	5.33	-0.68	0.143
80.00	-11.41	-8.73	0.00	-407.45	0.00	407.45	3,350.79	856.64	3,461.64	3,085.07	6.06	-0.72	0.136
85.00	-10.67	-8.28	0.00	-363.81	0.00	363.81	3,279.11	828.78	3,240.12	2,920.12	6.84	-0.77	0.128
90.00	-9.95	-7.92	0.00	-322.39	0.00	322.39	3,204.92	800.91	3,025.93	2,757.33	7.66	-0.81	0.120
93.29	-9.49	-7.70	0.00	-296.31	0.00	296.31	3,154.67	782.55	2,888.81	2,651.38	8.23	-0.84	0.115
95.00	-9.04	-7.45	0.00	-283.18	0.00	283.18	3,128.22	773.05	2,819.07	2,596.95	8.53	-0.85	0.112
99.03	-8.00	-7.22	0.00	-253.15	0.00	253.15	2,732.93	693.76	2,497.42	2,241.19	9.27	-0.89	0.116
100.00	-7.89	-6.97	0.00	-246.17	0.00	246.17	2,720.24	688.86	2,462.30	2,214.92	9.45	-0.89	0.114
105.00	-7.29	-6.55	0.00	-211.33	0.00	211.33	2,653.07	663.53	2,284.56	2,080.17	10.41	-0.94	0.104
110.00	-6.72	-6.14	0.00	-178.59	0.00	178.59	2,583.39	638.20	2,113.47	1,947.58	11.41	-0.98	0.094
115.00	-6.17	-5.74	0.00	-147.91	0.00	147.91	2,511.20	612.87	1,949.04	1,817.37	12.46	-1.01	0.084
120.00	-5.64	-5.36	0.00	-119.22	0.00	119.22	2,436.51	587.53	1,791.27	1,689.79	13.54	-1.05	0.073
124.63	-5.17	-5.17	0.00	-94.41	0.00	94.41	2,365.18	564.10	1,651.26	1,574.30	14.57	-1.08	0.062
125.00	-5.12	-4.99	0.00	-92.48	0.00	92.48	2,359.30	562.20	1,640.16	1,565.05	14.65	-1.08	0.061
129.39	-4.43	-4.79	0.00	-70.59	0.00	70.59	1,154.81	329.21	937.25	750.40	15.66	-1.10	0.098
130.00	-4.40	-4.59	0.00	-67.64	0.00	67.64	1,151.57	327.34	926.64	744.03	15.80	-1.11	0.095
135.00	-4.12	-4.24	0.00	-44.67	0.00	44.67	1,123.87	312.14	842.59	692.21	16.98	-1.14	0.068
140.00	-3.85	-3.90	0.00	-23.46	0.00	23.46	1,093.66	296.95	762.54	640.60	18.19	-1.17	0.040
145.00	-3.59	-3.70	0.00	-3.95	0.00	3.95	1,060.94	281.75	686.49	589.42	19.42	-1.18	0.010
146.00	-0.14	-0.08	0.00	-0.25	0.00	0.25	1,054.09	278.71	671.76	579.25	19.67	-1.18	0.001
149.00	0.00	-0.08	0.00	0.00	0.00	0.00	1,032.95	269.59	628.52	548.93	20.41	-1.18	0.000

Site Number: 209271 Code: ANSI/TIA-222-H

Site Name: Brookfield 2, CT Engineering Number:OAA766168_C3_01 6/9/2021 6:20:45 PM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph with 1.00 in Radial Ice 19 Iterations

Gust Response Factor :1.10 Ice Dead Load Factor :1.00

Dead Load Factor :1.20 Ice Importance Factor :1.00

Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		31.9	0.0					0.0	0.0	31.9	0.0	0.0	0.0
2.00	Appurtenance(s)	79.5	762.6	26.8	0.0	0.0	171.4	0.0	3.9	106.3	937.8	0.0	0.0
5.00		125.6	1,154.6					0.0	5.9	125.6	1,160.5	0.0	0.0
10.00		154.4	1,914.8					0.0	9.8	154.4	1,924.6	0.0	0.0
15.00		151.2	1,889.8					0.0	9.8	151.2	1,899.6	0.0	0.0
20.00		147.9	1,858.4					0.0	9.8	147.9	1,868.2	0.0	0.0
25.00		144.6	1,823.7					0.0	9.8	144.6	1,833.5	0.0	0.0
30.00		84.5	1,786.9					0.0	9.8	84.5	1,796.7	0.0	0.0
30.92	Bot - Section 2	72.2	326.0					0.0	1.8	72.2	327.8	0.0	0.0
35.00		113.6	2,571.6					0.0	8.0	113.6	2,579.7	0.0	0.0
38.71	Top - Section 1	73.6	2,297.2					0.0	7.3	73.6	2,304.5	0.0	0.0
40.00		93.5	443.7					0.0	2.5	93.5	446.2	0.0	0.0
45.00		149.3	1,692.2					0.0	9.8	149.3	1,702.1	0.0	0.0
50.00		150.0	1,651.5					0.0	9.8	150.0	1,661.3	0.0	0.0
55.00		150.1	1,610.2					0.0	9.8	150.1	1,620.0	0.0	0.0
60.00		119.1	1,568.4					0.0	9.8	119.1	1,578.2	0.0	0.0
62.94	Bot - Section 3	75.2	904.5					0.0	5.8	75.2	910.3	0.0	0.0
65.00		100.9	1,078.7					0.0	4.0	100.9	1,082.8	0.0	0.0
69.63	Top - Section 2	75.3	2,380.4					0.0	9.1	75.3	2,389.5	0.0	0.0
70.00		80.2	102.4					0.0	0.7	80.2	103.1	0.0	0.0
75.00		148.6	1,367.9					0.0	9.8	148.6	1,377.8	0.0	0.0
80.00		146.9	1,327.8					0.0	9.8	146.9	1,337.6	0.0	0.0
85.00		144.9	1,287.4					0.0	9.8	144.9	1,297.2	0.0	0.0
90.00		118.6	1,246.8					0.0	9.8	118.6	1,256.6	0.0	0.0
93.29	Bot - Section 4	71.1	800.3					0.0	6.5	71.1	806.8	0.0	0.0
95.00		81.3	694.6					0.0	3.4	81.3	697.9	0.0	0.0
99.03	Top - Section 3	70.4	1,608.1					0.0	7.9	70.4	1,616.0	0.0	0.0
100.00		82.6	210.8					0.0	1.9	82.6	212.7	0.0	0.0
105.00		136.6	1,064.1					0.0	9.8	136.6	1,074.0	0.0	0.0
110.00		133.5	1,025.8					0.0	9.8	133.5	1,035.6	0.0	0.0
115.00		130.2	987.2					0.0	9.8	130.2	997.1	0.0	0.0
120.00		122.1	948.6					0.0	9.8	122.1	958.4	0.0	0.0
124.63	Bot - Section 5	62.6	843.3					0.0	9.1	62.6	852.4	0.0	0.0
125.00		58.6	97.4					0.0	0.7	58.6	98.1	0.0	0.0
129.39	Top - Section 4	61.3	1,111.6					0.0	8.6	61.3	1,120.2	0.0	0.0
130.00		66.8	75.8					0.0	1.2	66.8	77.0	0.0	0.0
135.00		116.8	596.7					0.0	9.8	116.8	606.5	0.0	0.0
140.00		112.7	569.4					0.0	9.8	112.7	579.2	0.0	0.0
145.00		66.1	541.9					0.0	9.8	66.1	551.8	0.0	0.0
146.00	Appurtenance(s)	40.1	105.9	885.8	0.0	-152.6	6,919.7	0.0	2.0	925.8	7,027.6	0.0	0.0
149.00		29.3	309.9					0.0	0.0	29.3	309.9	0.0	0.0
								Totals:		5,086.33	52,016.9	0.00	0.00

Site Number: 209271 Code: ANSI/TIA-222-H

Site Name: Brookfield 2, CT Engineering Number:OAA766168_C3_01 6/9/2021 6:20:45 PM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph with 1.00 in Radial Ice 19 Iterations

Gust Response Factor :1.10 Ice Dead Load Factor :1.00

Dead Load Factor :1.20 Ice Importance Factor :1.00

Wind Load Factor :1.00

Calculated Forces

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 (deg)	Ratio
0.00	-52.02	-5.06	0.00	-434.03	0.00	434.03	4,738.09	1,390.21	8,356.57	6,502.75	0.00	0.00	0.078
2.00	-51.08	-4.96	0.00	-423.91	0.00	423.91	4,719.40	1,378.05	8,211.04	6,420.13	0.00	-0.01	0.077
5.00	-49.92	-4.84	0.00	-409.05	0.00	409.05	4,690.61	1,359.81	7,995.15	6,296.03	0.01	-0.01	0.076
10.00	-47.99	-4.70	0.00	-384.85	0.00	384.85	4,640.62	1,329.41	7,641.72	6,088.89	0.03	-0.03	0.074
15.00	-46.09	-4.55	0.00	-361.37	0.00	361.37	4,588.12	1,299.02	7,296.27	5,881.55	0.07	-0.04	0.071
20.00	-44.22	-4.42	0.00	-338.60	0.00	338.60	4,533.11	1,268.62	6,958.82	5,674.24	0.12	-0.05	0.069
25.00	-42.39	-4.28	0.00	-316.52	0.00	316.52	4,475.60	1,238.22	6,629.36	5,467.18	0.18	-0.07	0.067
30.00	-40.59	-4.20	0.00	-295.12	0.00	295.12	4,415.57	1,207.82	6,307.88	5,260.60	0.26	-0.08	0.065
30.92	-40.26	-4.13	0.00	-291.25	0.00	291.25	4,404.23	1,202.22	6,249.48	5,222.59	0.28	-0.09	0.065
35.00	-37.68	-4.02	0.00	-274.40	0.00	274.40	4,353.04	1,177.42	5,994.40	5,054.74	0.35	-0.10	0.063
38.71	-35.38	-3.95	0.00	-259.49	0.00	259.49	4,338.50	1,170.53	5,924.40	5,008.16	0.43	-0.11	0.060
40.00	-34.93	-3.86	0.00	-254.40	0.00	254.40	4,321.83	1,162.69	5,845.34	4,955.29	0.46	-0.11	0.059
45.00	-33.23	-3.71	0.00	-235.11	0.00	235.11	4,255.57	1,132.29	5,543.72	4,750.90	0.59	-0.12	0.057
50.00	-31.57	-3.57	0.00	-216.55	0.00	216.55	4,186.80	1,101.89	5,250.09	4,547.78	0.72	-0.14	0.055
55.00	-29.95	-3.42	0.00	-198.71	0.00	198.71	4,115.52	1,071.50	4,964.44	4,346.16	0.88	-0.15	0.053
60.00	-28.37	-3.30	0.00	-181.62	0.00	181.62	4,041.73	1,041.10	4,686.79	4,146.27	1.04	-0.16	0.051
62.94	-27.46	-3.23	0.00	-171.90	0.00	171.90	3,997.13	1,023.21	4,527.11	4,029.52	1.15	-0.17	0.050
65.00	-26.37	-3.13	0.00	-165.27	0.00	165.27	3,965.43	1,010.70	4,417.12	3,948.33	1.22	-0.18	0.049
69.63	-23.98	-3.05	0.00	-150.78	0.00	150.78	3,491.42	914.42	3,944.27	3,433.00	1.40	-0.19	0.051
70.00	-23.88	-2.97	0.00	-149.66	0.00	149.66	3,486.62	912.37	3,926.63	3,420.56	1.41	-0.19	0.051
75.00	-22.50	-2.82	0.00	-134.82	0.00	134.82	3,419.96	884.51	3,690.47	3,251.95	1.62	-0.20	0.048
80.00	-21.16	-2.67	0.00	-120.72	0.00	120.72	3,350.79	856.64	3,461.64	3,085.07	1.84	-0.22	0.045
85.00	-19.87	-2.53	0.00	-107.35	0.00	107.35	3,279.11	828.78	3,240.12	2,920.12	2.08	-0.23	0.043
90.00	-18.61	-2.41	0.00	-94.71	0.00	94.71	3,204.92	800.91	3,025.93	2,757.33	2.33	-0.24	0.040
93.29	-17.80	-2.34	0.00	-86.78	0.00	86.78	3,154.67	782.55	2,888.81	2,651.38	2.50	-0.25	0.038
95.00	-17.11	-2.25	0.00	-82.80	0.00	82.80	3,128.22	773.05	2,819.07	2,596.95	2.59	-0.26	0.037
99.03	-15.49	-2.18	0.00	-73.71	0.00	73.71	2,732.93	693.76	2,497.42	2,241.19	2.81	-0.27	0.039
100.00	-15.28	-2.10	0.00	-71.60	0.00	71.60	2,720.24	688.86	2,462.30	2,214.92	2.87	-0.27	0.038
105.00	-14.20	-1.96	0.00	-61.13	0.00	61.13	2,653.07	663.53	2,284.56	2,080.17	3.15	-0.28	0.035
110.00	-13.17	-1.82	0.00	-51.34	0.00	51.34	2,583.39	638.20	2,113.47	1,947.58	3.46	-0.29	0.031
115.00	-12.17	-1.69	0.00	-42.24	0.00	42.24	2,511.20	612.87	1,949.04	1,817.37	3.77	-0.30	0.028
120.00	-11.21	-1.56	0.00	-33.81	0.00	33.81	2,436.51	587.53	1,791.27	1,689.79	4.09	-0.31	0.025
124.63	-10.36	-1.50	0.00	-26.58	0.00	26.58	2,365.18	564.10	1,651.26	1,574.30	4.40	-0.32	0.021
125.00	-10.26	-1.44	0.00	-26.02	0.00	26.02	2,359.30	562.20	1,640.16	1,565.05	4.43	-0.32	0.021
129.39	-9.14	-1.37	0.00	-19.72	0.00	19.72	1,154.81	329.21	937.25	750.40	4.72	-0.33	0.034
130.00	-9.07	-1.30	0.00	-18.88	0.00	18.88	1,151.57	327.34	926.64	744.03	4.77	-0.33	0.033
135.00	-8.46	-1.18	0.00	-12.36	0.00	12.36	1,123.87	312.14	842.59	692.21	5.12	-0.34	0.025
140.00	-7.88	-1.07	0.00	-6.44	0.00	6.44	1,093.66	296.95	762.54	640.60	5.48	-0.35	0.017
145.00	-7.33	-1.00	0.00	-1.09	0.00	1.09	1,060.94	281.75	686.49	589.42	5.84	-0.35	0.009
146.00	-0.31	-0.03	0.00	-0.09	0.00	0.09	1,054.09	278.71	671.76	579.25	5.92	-0.35	0.000
149.00	0.00	-0.03	0.00	0.00	0.00	0.00	1,032.95	269.59	628.52	548.93	6.14	-0.35	0.000

Load Case: 1.0D + 1.0W Serviceability 60 mph 19 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.00
Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		24.5	0.0					0.0	0.0	24.5	0.0	0.0	0.0
2.00	Appurtenance(s)	60.9	536.7	30.9	0.0	0.0	88.0	0.0	3.3	91.8	628.0	0.0	0.0
5.00		96.0	796.3					0.0	4.9	96.0	801.2	0.0	0.0
10.00		117.8	1,303.5					0.0	8.2	117.8	1,311.7	0.0	0.0
15.00		115.1	1,274.1					0.0	8.2	115.1	1,282.3	0.0	0.0
20.00		112.5	1,244.6					0.0	8.2	112.5	1,252.8	0.0	0.0
25.00		109.8	1,215.1					0.0	8.2	109.8	1,223.3	0.0	0.0
30.00		64.1	1,185.7					0.0	8.2	64.1	1,193.9	0.0	0.0
30.92	Bot - Section 2	54.7	215.4					0.0	1.5	54.7	216.9	0.0	0.0
35.00		86.1	1,894.0					0.0	6.7	86.1	1,900.7	0.0	0.0
38.71	Top - Section 1	55.7	1,689.4					0.0	6.1	55.7	1,695.5	0.0	0.0
40.00		70.7	291.6					0.0	2.1	70.7	293.7	0.0	0.0
45.00		112.8	1,112.4					0.0	8.2	112.8	1,120.6	0.0	0.0
50.00		113.2	1,083.0					0.0	8.2	113.2	1,091.2	0.0	0.0
55.00		113.1	1,053.5					0.0	8.2	113.1	1,061.7	0.0	0.0
60.00		89.6	1,024.0					0.0	8.2	89.6	1,032.2	0.0	0.0
62.94	Bot - Section 3	56.5	588.9					0.0	4.8	56.5	593.7	0.0	0.0
65.00		75.8	783.0					0.0	3.4	75.8	786.4	0.0	0.0
69.63	Top - Section 2	56.6	1,728.2					0.0	7.6	56.6	1,735.8	0.0	0.0
70.00		60.2	65.0					0.0	0.6	60.2	65.6	0.0	0.0
75.00		111.3	871.0					0.0	8.2	111.3	879.2	0.0	0.0
80.00		109.9	844.0					0.0	8.2	109.9	852.2	0.0	0.0
85.00		108.2	817.0					0.0	8.2	108.2	825.2	0.0	0.0
90.00		88.5	790.0					0.0	8.2	88.5	798.2	0.0	0.0
93.29	Bot - Section 4	52.9	505.7					0.0	5.4	52.9	511.1	0.0	0.0
95.00		60.5	494.9					0.0	2.8	60.5	497.7	0.0	0.0
99.03	Top - Section 3	52.4	1,146.4					0.0	6.6	52.4	1,153.0	0.0	0.0
100.00		61.3	129.5					0.0	1.6	61.3	131.1	0.0	0.0
105.00		101.2	655.5					0.0	8.2	101.2	663.7	0.0	0.0
110.00		98.7	631.0					0.0	8.2	98.7	639.2	0.0	0.0
115.00		96.0	606.4					0.0	8.2	96.0	614.6	0.0	0.0
120.00		89.8	581.9					0.0	8.2	89.8	590.1	0.0	0.0
124.63	Bot - Section 5	45.9	516.4					0.0	7.6	45.9	523.9	0.0	0.0
125.00		42.9	65.9					0.0	0.6	42.9	66.5	0.0	0.0
129.39	Top - Section 4	44.9	754.2					0.0	7.2	44.9	761.4	0.0	0.0
130.00		48.8	39.1					0.0	1.0	48.8	40.1	0.0	0.0
135.00		85.1	310.0					0.0	8.2	85.1	318.2	0.0	0.0
140.00		81.9	295.2					0.0	8.2	81.9	303.4	0.0	0.0
145.00		47.9	280.5					0.0	8.2	47.9	288.7	0.0	0.0
146.00	Appurtenance(s)	27.7	54.3	835.4	0.0	-160.2	3,861.6	0.0	1.6	863.1	3,917.6	0.0	0.0
149.00		19.9	159.5					0.0	0.0	19.9	159.5	0.0	0.0
								Totals:		3,988.01	33,821.7	0.00	0.00

Load Case: 1.0D + 1.0W Serviceability 60 mph 19 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.00
Wind Load Factor :1.00

Calculated Forces

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 (deg)	Ratio
0.00	-33.82	-3.96	0.00	-345.31	0.00	345.31	4,738.09	1,390.21	8,356.57	6,502.75	0.00	0.00	0.060
2.00	-33.19	-3.88	0.00	-337.39	0.00	337.39	4,719.40	1,378.05	8,211.04	6,420.13	0.00	0.00	0.060
5.00	-32.39	-3.78	0.00	-325.76	0.00	325.76	4,690.61	1,359.81	7,995.15	6,296.03	0.01	-0.01	0.059
10.00	-31.08	-3.67	0.00	-306.84	0.00	306.84	4,640.62	1,329.41	7,641.72	6,088.89	0.02	-0.02	0.057
15.00	-29.80	-3.56	0.00	-288.48	0.00	288.48	4,588.12	1,299.02	7,296.27	5,881.55	0.05	-0.03	0.056
20.00	-28.54	-3.45	0.00	-270.67	0.00	270.67	4,533.11	1,268.62	6,958.82	5,674.24	0.09	-0.04	0.054
25.00	-27.32	-3.35	0.00	-253.40	0.00	253.40	4,475.60	1,238.22	6,629.36	5,467.18	0.14	-0.05	0.052
30.00	-26.12	-3.29	0.00	-236.66	0.00	236.66	4,415.57	1,207.82	6,307.88	5,260.60	0.21	-0.07	0.051
30.92	-25.91	-3.23	0.00	-233.63	0.00	233.63	4,404.23	1,202.22	6,249.48	5,222.59	0.22	-0.07	0.051
35.00	-24.01	-3.15	0.00	-220.44	0.00	220.44	4,353.04	1,177.42	5,994.40	5,054.74	0.28	-0.08	0.049
38.71	-22.31	-3.09	0.00	-208.75	0.00	208.75	4,338.50	1,170.53	5,924.40	5,008.16	0.35	-0.09	0.047
40.00	-22.02	-3.02	0.00	-204.77	0.00	204.77	4,321.83	1,162.69	5,845.34	4,955.29	0.37	-0.09	0.046
45.00	-20.90	-2.91	0.00	-189.64	0.00	189.64	4,255.57	1,132.29	5,543.72	4,750.90	0.47	-0.10	0.045
50.00	-19.80	-2.80	0.00	-175.08	0.00	175.08	4,186.80	1,101.89	5,250.09	4,547.78	0.58	-0.11	0.043
55.00	-18.74	-2.69	0.00	-161.06	0.00	161.06	4,115.52	1,071.50	4,964.44	4,346.16	0.70	-0.12	0.042
60.00	-17.71	-2.60	0.00	-147.61	0.00	147.61	4,041.73	1,041.10	4,686.79	4,146.27	0.83	-0.13	0.040
62.94	-17.12	-2.55	0.00	-139.96	0.00	139.96	3,997.13	1,023.21	4,527.11	4,029.52	0.92	-0.14	0.039
65.00	-16.33	-2.47	0.00	-134.72	0.00	134.72	3,965.43	1,010.70	4,417.12	3,948.33	0.98	-0.14	0.038
69.63	-14.59	-2.41	0.00	-123.28	0.00	123.28	3,491.42	914.42	3,944.27	3,433.00	1.12	-0.15	0.040
70.00	-14.53	-2.35	0.00	-122.39	0.00	122.39	3,486.62	912.37	3,926.63	3,420.56	1.13	-0.15	0.040
75.00	-13.65	-2.24	0.00	-110.64	0.00	110.64	3,419.96	884.51	3,690.47	3,251.95	1.30	-0.16	0.038
80.00	-12.80	-2.13	0.00	-99.44	0.00	99.44	3,350.79	856.64	3,461.64	3,085.07	1.48	-0.18	0.036
85.00	-11.97	-2.02	0.00	-88.79	0.00	88.79	3,279.11	828.78	3,240.12	2,920.12	1.67	-0.19	0.034
90.00	-11.17	-1.93	0.00	-78.69	0.00	78.69	3,204.92	800.91	3,025.93	2,757.33	1.87	-0.20	0.032
93.29	-10.66	-1.88	0.00	-72.32	0.00	72.32	3,154.67	782.55	2,888.81	2,651.38	2.01	-0.20	0.031
95.00	-10.16	-1.82	0.00	-69.12	0.00	69.12	3,128.22	773.05	2,819.07	2,596.95	2.08	-0.21	0.030
99.03	-9.01	-1.76	0.00	-61.79	0.00	61.79	2,732.93	693.76	2,497.42	2,241.19	2.26	-0.22	0.031
100.00	-8.88	-1.70	0.00	-60.09	0.00	60.09	2,720.24	688.86	2,462.30	2,214.92	2.31	-0.22	0.030
105.00	-8.22	-1.60	0.00	-51.58	0.00	51.58	2,653.07	663.53	2,284.56	2,080.17	2.54	-0.23	0.028
110.00	-7.58	-1.50	0.00	-43.59	0.00	43.59	2,583.39	638.20	2,113.47	1,947.58	2.78	-0.24	0.025
115.00	-6.96	-1.40	0.00	-36.10	0.00	36.10	2,511.20	612.87	1,949.04	1,817.37	3.04	-0.25	0.023
120.00	-6.37	-1.31	0.00	-29.10	0.00	29.10	2,436.51	587.53	1,791.27	1,689.79	3.30	-0.26	0.020
124.63	-5.85	-1.26	0.00	-23.05	0.00	23.05	2,365.18	564.10	1,651.26	1,574.30	3.55	-0.26	0.017
125.00	-5.78	-1.22	0.00	-22.57	0.00	22.57	2,359.30	562.20	1,640.16	1,565.05	3.58	-0.26	0.017
129.39	-5.02	-1.17	0.00	-17.23	0.00	17.23	1,154.81	329.21	937.25	750.40	3.82	-0.27	0.027
130.00	-4.98	-1.12	0.00	-16.51	0.00	16.51	1,151.57	327.34	926.64	744.03	3.85	-0.27	0.027
135.00	-4.66	-1.04	0.00	-10.91	0.00	10.91	1,123.87	312.14	842.59	692.21	4.14	-0.28	0.020
140.00	-4.36	-0.95	0.00	-5.73	0.00	5.73	1,093.66	296.95	762.54	640.60	4.44	-0.28	0.013
145.00	-4.07	-0.90	0.00	-0.97	0.00	0.97	1,060.94	281.75	686.49	589.42	4.74	-0.29	0.005
146.00	-0.16	-0.02	0.00	-0.06	0.00	0.06	1,054.09	278.71	671.76	579.25	4.80	-0.29	0.000
149.00	0.00	-0.02	0.00	0.00	0.00	0.00	1,032.95	269.59	628.52	548.93	4.98	-0.29	0.000

Equivalent Lateral Forces Method Analysis

Spectral Response Acceleration for Short Period (S_s):	0.21
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.05
Long-Period Transition Period (T_L):	6
Importance Factor (I_E):	1.00
Site Coefficient F_a:	1.60
Site Coeffiecient F_v:	2.40
Response Modification Coefficient (R):	1.50
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.23
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.09
Seismic Response Coefficient (C_s):	0.04
Upper Limit C_s	0.04
Lower Limit C_s	0.03
Period based on Rayleigh Method (sec):	1.41
Redundancy Factor (p):	1.00
Seismic Force Distribution Exponent (k):	1.45
Total Unfactored Dead Load:	33.82 k
Seismic Base Shear (E):	1.41 k

Load Case 1.2D + 1.0Ev + 1.0Eh Seismic

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
40	147.50	159	228	0.012	17	199
39	145.50	56	78	0.004	6	70
38	142.50	289	392	0.021	30	360
37	137.50	303	392	0.021	30	378
36	132.50	318	389	0.021	30	396
35	129.69	40	48	0.003	4	50
34	127.19	761	877	0.048	67	948
33	124.81	67	75	0.004	6	83
32	122.31	524	570	0.031	44	652
31	117.50	590	606	0.033	47	735
30	112.50	615	592	0.032	45	765
29	107.50	639	577	0.031	44	796
28	102.50	664	559	0.030	43	827
27	99.52	131	106	0.006	8	163
26	97.02	1,153	896	0.049	69	1,436
25	94.15	498	370	0.020	28	620
24	91.65	511	366	0.020	28	636
23	87.50	798	534	0.029	41	994
22	82.50	825	507	0.028	39	1,028
21	77.50	852	478	0.026	37	1,061
20	72.50	879	447	0.024	34	1,095
19	69.82	66	32	0.002	2	82
18	67.32	1,736	793	0.043	61	2,161
17	63.97	786	333	0.018	26	979
16	61.47	594	238	0.013	18	739

15	57.50	1,032	375	0.020	29	1,285
14	52.50	1,062	338	0.018	26	1,322
13	47.50	1,091	300	0.016	23	1,359
12	42.50	1,121	262	0.014	20	1,395
11	39.36	294	61	0.003	5	366
10	36.86	1,695	322	0.018	25	2,111
9	32.96	1,901	307	0.017	24	2,367
8	30.46	217	31	0.002	2	270
7	27.50	1,194	148	0.008	11	1,487
6	22.50	1,223	113	0.006	9	1,523
5	17.50	1,253	81	0.004	6	1,560
4	12.50	1,282	51	0.003	4	1,597
3	7.50	1,312	25	0.001	2	1,633
2	3.50	801	5	0.000	0	998
1	1.00	540	1	0.000	0	672
Samsung B5/B13 RRH-B	146.00	211	297	0.016	23	263
Samsung B2/B66A RRH-	146.00	253	357	0.019	27	315
Samsung MT6407-77A	146.00	245	345	0.019	26	305
Generic Mount Reinfo	146.00	200	282	0.015	22	249
Kathrein Scala 800 1	146.00	93	131	0.007	10	115
JMA Wireless MX06FRO	146.00	360	507	0.028	39	448
Generic Round Platfo	146.00	2,500	3,521	0.192	270	3,113
RFS DB-T1-6Z-8AB-0Z	2.00	88	0	0.000	0	110
		33,822	18,339	1.000	1,408	42,116

Load Case 0.9D - 1.0Ev + 1.0Eh Seismic (Reduced DL)

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
40	147.50	159	228	0.012	17	136
39	145.50	56	78	0.004	6	48
38	142.50	289	392	0.021	30	247
37	137.50	303	392	0.021	30	259
36	132.50	318	389	0.021	30	272
35	129.69	40	48	0.003	4	34
34	127.19	761	877	0.048	67	651
33	124.81	67	75	0.004	6	57
32	122.31	524	570	0.031	44	448
31	117.50	590	606	0.033	47	504
30	112.50	615	592	0.032	45	525
29	107.50	639	577	0.031	44	546
28	102.50	664	559	0.030	43	567
27	99.52	131	106	0.006	8	112
26	97.02	1,153	896	0.049	69	986
25	94.15	498	370	0.020	28	425
24	91.65	511	366	0.020	28	437
23	87.50	798	534	0.029	41	682
22	82.50	825	507	0.028	39	705
21	77.50	852	478	0.026	37	728
20	72.50	879	447	0.024	34	752
19	69.82	66	32	0.002	2	56
18	67.32	1,736	793	0.043	61	1,484
17	63.97	786	333	0.018	26	672
16	61.47	594	238	0.013	18	508
15	57.50	1,032	375	0.020	29	882
14	52.50	1,062	338	0.018	26	908
13	47.50	1,091	300	0.016	23	933
12	42.50	1,121	262	0.014	20	958
11	39.36	294	61	0.003	5	251
10	36.86	1,695	322	0.018	25	1,449
9	32.96	1,901	307	0.017	24	1,625

8	30.46	217	31	0.002	2	185
7	27.50	1,194	148	0.008	11	1,020
6	22.50	1,223	113	0.006	9	1,046
5	17.50	1,253	81	0.004	6	1,071
4	12.50	1,282	51	0.003	4	1,096
3	7.50	1,312	25	0.001	2	1,121
2	3.50	801	5	0.000	0	685
1	1.00	540	1	0.000	0	462
Samsung B5/B13 RRH-B	146.00	211	297	0.016	23	180
Samsung B2/B66A RRH-	146.00	253	357	0.019	27	216
Samsung MT6407-77A	146.00	245	345	0.019	26	209
Generic Mount Reinfo	146.00	200	282	0.015	22	171
Kathrein Scala 800 1	146.00	93	131	0.007	10	79
JMA Wireless MX06FRO	146.00	360	507	0.028	39	308
Generic Round Platfo	146.00	2,500	3,521	0.192	270	2,137
RFS DB-T1-6Z-8AB-0Z	2.00	88	0	0.000	0	75
		33,822	18,339	1.000	1,408	28,910

Load Case 1.2D + 1.0Ev + 1.0Eh Seismic

Calculated Forces

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 (deg)	Ratio
0.00	-41.44	-1.41	0.00	-151.20	0.00	151.20	4,738.09	1,390.21	8,356.57	6,502.75	0.00	0.00	0.032
2.00	-40.34	-1.41	0.00	-148.39	0.00	148.39	4,719.40	1,378.05	8,211.04	6,420.13	0.00	0.00	0.032
5.00	-38.70	-1.41	0.00	-144.16	0.00	144.16	4,690.61	1,359.81	7,995.15	6,296.03	0.00	0.00	0.031
10.00	-37.11	-1.41	0.00	-137.12	0.00	137.12	4,640.62	1,329.41	7,641.72	6,088.89	0.01	-0.01	0.031
15.00	-35.55	-1.40	0.00	-130.08	0.00	130.08	4,588.12	1,299.02	7,296.27	5,881.55	0.02	-0.01	0.030
20.00	-34.02	-1.40	0.00	-123.06	0.00	123.06	4,533.11	1,268.62	6,958.82	5,674.24	0.04	-0.02	0.029
25.00	-32.54	-1.39	0.00	-116.06	0.00	116.06	4,475.60	1,238.22	6,629.36	5,467.18	0.06	-0.02	0.028
30.00	-32.27	-1.39	0.00	-109.12	0.00	109.12	4,415.57	1,207.82	6,307.88	5,260.60	0.09	-0.03	0.028
30.92	-29.90	-1.37	0.00	-107.84	0.00	107.84	4,404.23	1,202.22	6,249.48	5,222.59	0.10	-0.03	0.027
35.00	-27.79	-1.34	0.00	-102.27	0.00	102.27	4,353.04	1,177.42	5,994.40	5,054.74	0.13	-0.03	0.027
38.71	-27.42	-1.34	0.00	-97.29	0.00	97.29	4,338.50	1,170.53	5,924.40	5,008.16	0.16	-0.04	0.026
40.00	-26.03	-1.32	0.00	-95.57	0.00	95.57	4,321.83	1,162.69	5,845.34	4,955.29	0.17	-0.04	0.025
45.00	-24.67	-1.30	0.00	-88.98	0.00	88.98	4,255.57	1,132.29	5,543.72	4,750.90	0.21	-0.05	0.025
50.00	-23.34	-1.27	0.00	-82.50	0.00	82.50	4,186.80	1,101.89	5,250.09	4,547.78	0.26	-0.05	0.024
55.00	-22.06	-1.24	0.00	-76.15	0.00	76.15	4,115.52	1,071.50	4,964.44	4,346.16	0.32	-0.06	0.023
60.00	-21.32	-1.23	0.00	-69.93	0.00	69.93	4,041.73	1,041.10	4,686.79	4,146.27	0.38	-0.06	0.022
62.94	-20.34	-1.20	0.00	-66.32	0.00	66.32	3,997.13	1,023.21	4,527.11	4,029.52	0.42	-0.06	0.022
65.00	-18.18	-1.14	0.00	-63.86	0.00	63.86	3,965.43	1,010.70	4,417.12	3,948.33	0.44	-0.07	0.021
69.63	-18.10	-1.14	0.00	-58.59	0.00	58.59	3,491.42	914.42	3,944.27	3,433.00	0.51	-0.07	0.022
70.00	-17.00	-1.10	0.00	-58.17	0.00	58.17	3,486.62	912.37	3,926.63	3,420.56	0.52	-0.07	0.022
75.00	-15.94	-1.06	0.00	-52.66	0.00	52.66	3,419.96	884.51	3,690.47	3,251.95	0.59	-0.08	0.021
80.00	-14.91	-1.03	0.00	-47.34	0.00	47.34	3,350.79	856.64	3,461.64	3,085.07	0.68	-0.08	0.020
85.00	-13.92	-0.98	0.00	-42.21	0.00	42.21	3,279.11	828.78	3,240.12	2,920.12	0.76	-0.09	0.019
90.00	-13.28	-0.96	0.00	-37.29	0.00	37.29	3,204.92	800.91	3,025.93	2,757.33	0.86	-0.09	0.018
93.29	-12.66	-0.93	0.00	-34.14	0.00	34.14	3,154.67	782.55	2,888.81	2,651.38	0.92	-0.09	0.017
95.00	-11.23	-0.86	0.00	-32.55	0.00	32.55	3,128.22	773.05	2,819.07	2,596.95	0.96	-0.10	0.016
99.03	-11.06	-0.85	0.00	-29.10	0.00	29.10	2,732.93	693.76	2,497.42	2,241.19	1.04	-0.10	0.017
100.00	-10.24	-0.81	0.00	-28.28	0.00	28.28	2,720.24	688.86	2,462.30	2,214.92	1.06	-0.10	0.017
105.00	-9.44	-0.76	0.00	-24.25	0.00	24.25	2,653.07	663.53	2,284.56	2,080.17	1.17	-0.11	0.015
110.00	-8.68	-0.71	0.00	-20.45	0.00	20.45	2,583.39	638.20	2,113.47	1,947.58	1.28	-0.11	0.014
115.00	-7.94	-0.67	0.00	-16.87	0.00	16.87	2,511.20	612.87	1,949.04	1,817.37	1.40	-0.12	0.012
120.00	-7.29	-0.62	0.00	-13.54	0.00	13.54	2,436.51	587.53	1,791.27	1,689.79	1.52	-0.12	0.011
124.63	-7.21	-0.62	0.00	-10.66	0.00	10.66	2,365.18	564.10	1,651.26	1,574.30	1.64	-0.12	0.010
125.00	-6.26	-0.55	0.00	-10.43	0.00	10.43	2,359.30	562.20	1,640.16	1,565.05	1.65	-0.12	0.009
129.39	-6.21	-0.54	0.00	-8.03	0.00	8.03	1,154.81	329.21	937.25	750.40	1.77	-0.13	0.016
130.00	-5.81	-0.51	0.00	-7.69	0.00	7.69	1,151.57	327.34	926.64	744.03	1.78	-0.13	0.015
135.00	-5.44	-0.48	0.00	-5.12	0.00	5.12	1,123.87	312.14	842.59	692.21	1.92	-0.13	0.012
140.00	-5.08	-0.45	0.00	-2.71	0.00	2.71	1,093.66	296.95	762.54	640.60	2.05	-0.13	0.009
145.00	-5.01	-0.45	0.00	-0.45	0.00	0.45	1,060.94	281.75	686.49	589.42	2.19	-0.13	0.005
146.00	0.00	0.00	0.00	0.00	0.00	0.00	1,054.09	278.71	671.76	579.25	2.22	-0.13	0.000
149.00	0.00	0.00	0.00	0.00	0.00	0.00	1,032.95	269.59	628.52	548.93	2.31	-0.13	0.000

Load Case 0.9D - 1.0Ev + 1.0Eh Seismic (Reduced DL)

Calculated Forces

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 (deg)	Ratio
0.00	-28.45	-1.41	0.00	-150.44	0.00	150.44	4,738.09	1,390.21	8,356.57	6,502.75	0.00	0.00	0.029
2.00	-27.69	-1.41	0.00	-147.62	0.00	147.62	4,719.40	1,378.05	8,211.04	6,420.13	0.00	0.00	0.029
5.00	-26.57	-1.41	0.00	-143.40	0.00	143.40	4,690.61	1,359.81	7,995.15	6,296.03	0.00	0.00	0.028
10.00	-25.47	-1.41	0.00	-136.36	0.00	136.36	4,640.62	1,329.41	7,641.72	6,088.89	0.01	-0.01	0.028
15.00	-24.40	-1.40	0.00	-129.33	0.00	129.33	4,588.12	1,299.02	7,296.27	5,881.55	0.02	-0.01	0.027
20.00	-23.35	-1.39	0.00	-122.33	0.00	122.33	4,533.11	1,268.62	6,958.82	5,674.24	0.04	-0.02	0.027
25.00	-22.33	-1.38	0.00	-115.36	0.00	115.36	4,475.60	1,238.22	6,629.36	5,467.18	0.06	-0.02	0.026
30.00	-22.15	-1.38	0.00	-108.44	0.00	108.44	4,415.57	1,207.82	6,307.88	5,260.60	0.09	-0.03	0.026
30.92	-20.52	-1.36	0.00	-107.16	0.00	107.16	4,404.23	1,202.22	6,249.48	5,222.59	0.10	-0.03	0.025
35.00	-19.07	-1.34	0.00	-101.62	0.00	101.62	4,353.04	1,177.42	5,994.40	5,054.74	0.13	-0.03	0.024
38.71	-18.82	-1.33	0.00	-96.66	0.00	96.66	4,338.50	1,170.53	5,924.40	5,008.16	0.15	-0.04	0.024
40.00	-17.86	-1.31	0.00	-94.94	0.00	94.94	4,321.83	1,162.69	5,845.34	4,955.29	0.17	-0.04	0.023
45.00	-16.93	-1.29	0.00	-88.39	0.00	88.39	4,255.57	1,132.29	5,543.72	4,750.90	0.21	-0.05	0.023
50.00	-16.02	-1.26	0.00	-81.94	0.00	81.94	4,186.80	1,101.89	5,250.09	4,547.78	0.26	-0.05	0.022
55.00	-15.14	-1.24	0.00	-75.62	0.00	75.62	4,115.52	1,071.50	4,964.44	4,346.16	0.31	-0.06	0.021
60.00	-14.63	-1.22	0.00	-69.44	0.00	69.44	4,041.73	1,041.10	4,686.79	4,146.27	0.38	-0.06	0.020
62.94	-13.96	-1.19	0.00	-65.85	0.00	65.85	3,997.13	1,023.21	4,527.11	4,029.52	0.41	-0.06	0.020
65.00	-12.48	-1.13	0.00	-63.40	0.00	63.40	3,965.43	1,010.70	4,417.12	3,948.33	0.44	-0.07	0.019
69.63	-12.42	-1.13	0.00	-58.16	0.00	58.16	3,491.42	914.42	3,944.27	3,433.00	0.51	-0.07	0.021
70.00	-11.67	-1.09	0.00	-57.75	0.00	57.75	3,486.62	912.37	3,926.63	3,420.56	0.51	-0.07	0.020
75.00	-10.94	-1.06	0.00	-52.27	0.00	52.27	3,419.96	884.51	3,690.47	3,251.95	0.59	-0.08	0.019
80.00	-10.24	-1.02	0.00	-46.99	0.00	46.99	3,350.79	856.64	3,461.64	3,085.07	0.67	-0.08	0.018
85.00	-9.55	-0.98	0.00	-41.89	0.00	41.89	3,279.11	828.78	3,240.12	2,920.12	0.76	-0.09	0.017
90.00	-9.12	-0.95	0.00	-37.00	0.00	37.00	3,204.92	800.91	3,025.93	2,757.33	0.85	-0.09	0.016
93.29	-8.69	-0.92	0.00	-33.87	0.00	33.87	3,154.67	782.55	2,888.81	2,651.38	0.92	-0.09	0.016
95.00	-7.71	-0.85	0.00	-32.30	0.00	32.30	3,128.22	773.05	2,819.07	2,596.95	0.95	-0.10	0.015
99.03	-7.59	-0.84	0.00	-28.87	0.00	28.87	2,732.93	693.76	2,497.42	2,241.19	1.03	-0.10	0.016
100.00	-7.03	-0.80	0.00	-28.06	0.00	28.06	2,720.24	688.86	2,462.30	2,214.92	1.05	-0.10	0.015
105.00	-6.48	-0.75	0.00	-24.06	0.00	24.06	2,653.07	663.53	2,284.56	2,080.17	1.16	-0.11	0.014
110.00	-5.96	-0.71	0.00	-20.28	0.00	20.28	2,583.39	638.20	2,113.47	1,947.58	1.27	-0.11	0.013
115.00	-5.45	-0.66	0.00	-16.74	0.00	16.74	2,511.20	612.87	1,949.04	1,817.37	1.39	-0.11	0.011
120.00	-5.00	-0.62	0.00	-13.43	0.00	13.43	2,436.51	587.53	1,791.27	1,689.79	1.51	-0.12	0.010
124.63	-4.95	-0.61	0.00	-10.57	0.00	10.57	2,365.18	564.10	1,651.26	1,574.30	1.63	-0.12	0.009
125.00	-4.30	-0.54	0.00	-10.35	0.00	10.35	2,359.30	562.20	1,640.16	1,565.05	1.64	-0.12	0.008
129.39	-4.26	-0.54	0.00	-7.96	0.00	7.96	1,154.81	329.21	937.25	750.40	1.75	-0.12	0.014
130.00	-3.99	-0.51	0.00	-7.63	0.00	7.63	1,151.57	327.34	926.64	744.03	1.77	-0.12	0.014
135.00	-3.73	-0.48	0.00	-5.08	0.00	5.08	1,123.87	312.14	842.59	692.21	1.90	-0.13	0.011
140.00	-3.48	-0.45	0.00	-2.69	0.00	2.69	1,093.66	296.95	762.54	640.60	2.04	-0.13	0.007
145.00	-3.44	-0.44	0.00	-0.44	0.00	0.44	1,060.94	281.75	686.49	589.42	2.18	-0.13	0.004
146.00	0.00	0.00	0.00	0.00	0.00	0.00	1,054.09	278.71	671.76	579.25	2.21	-0.13	0.000
149.00	0.00	0.00	0.00	0.00	0.00	0.00	1,032.95	269.59	628.52	548.93	2.29	-0.13	0.000

Analysis Summary

	Reactions						Max Usage	
Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.0W	16.28	0.00	40.58	0.00	0.00	1421.78	0.00	0.23
0.9D + 1.0W	16.28	0.00	30.44	0.00	0.00	1416.10	0.00	0.22
1.2D + 1.0Di + 1.0Wi	5.06	0.00	52.02	0.00	0.00	434.03	0.00	0.08
1.2D + 1.0Ev + 1.0Eh	1.41	0.00	41.44	0.00	0.00	151.20	0.00	0.03
0.9D - 1.0Ev + 1.0Eh	1.41	0.00	28.45	0.00	0.00	150.44	0.00	0.03
1.0D + 1.0W	3.96	0.00	33.82	0.00	0.00	345.31	0.00	0.06

Site Name: Brookfield 2, CT
Site Number: 209271
Tower Type: MP
Design Loads (Factored) - Analysis per TIA-222-H Standards

Monolithic Mat & Pier Foundation Analysis

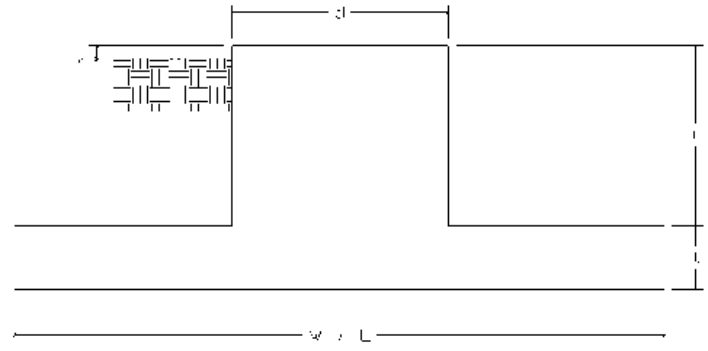
Foundation Analysis Parameters		
Design / Analysis / Mapping:	Analysis	-
Compression/Leg:	40.6	k
Uplift/Leg:	0.0	k
Total Shear:	16.3	k
Moment:	1,421.8	k-ft
Tower + Appurtenance Weight:	40.6	k
Depth to Base of Foundation (l + t - h):	5.5	ft
Diameter of Pier (d):	8	ft
Length of Pier (l):	4	ft
Height of Pier above Ground (h):	0.5	ft
Width of Pad (W):	30	ft
Length of Pad (L):	30	ft
Thickness of Pad (t):	2	ft
Tower Leg Center to Center:	0	ft
Number of Tower Legs:	1	-
Tower Center from Mat Center:	0	ft
Depth Below Ground Surface to Water Table:	19	ft
Unit Weight of Concrete:	150	pcf
Unit Weight of Soil Above Water Table:	125	pcf
Unit Weight of Water:	62.4	pcf
Unit Weight of Soil Below Water Table:	62.6	pcf
Friction Angle of Uplift:	15	°
Coefficient of Shear Friction:	0.3	-
Ultimate Compressive Bearing Pressure:	12,000	psf
Ultimate Passive Pressure on Pad Face:	1,687	psf
$f_{Soil\ and\ Concrete\ Weight}$:	0.9	-
f_{Soil}:	0.75	-

Overturning Moment Usage		
Design OTM:	1519.5	k-ft
OTM Resistance:	9886.3	k-ft
Design OTM / OTM Resistance:	15%	Pass

Soil Bearing Pressure Usage		
Net Bearing Pressure:	875	psf
Factored Nominal Bearing Pressure:	9000	psf
Factored Nominal (Net) Bearing Pressure:	10%	Pass
Load Direction Controling Design Bearing Pressure:	*Diagonal to Pad Edge*	

Sliding Factor of Safety		
Ultimate Friction Resistance:	211.7	k
Ultimate Passive Pressure Resistance:	75.9	k
Total Factored Sliding Resistance:	215.7	k
Sliding Design / Sliding Resistance:	8%	Pass

Foundation Steel Parameters		
Shear/Leg (Compression):	10.9	k
Shear/Leg (Uplift):	9.0	k
Concrete Strength (f'_c):	3,000	psi
Pad Tension Steel Depth:	20.38	in
Dead Load Factor:	0.9	-
f_{Shear}:	0.75	-
$f_{Flexure\ /\ Tension}$:	0.9	-
$f_{Compression:}$	0.65	-
b:	0.85	-
Bottom Pad Rebar Size #:	10	-
# of Bottom Pad Rebar:	42	-
Pad Bottom Steel Area:	53.34	in^2
Pad Steel F_y:	60,000	psi
Top Pad Rebar Size #:	10	-
# of Top Pad Rebar:	42	-
Pad Top Steel Area:	53.34	in^2
Pier Rebar Size #:	10	-
Pier Steel Area (Single Bar):	1.27	in^2
# of Pier Rebar:	32	-
Pier Steel F_y:	60,000	psi
Pier Cage Diameter:	87.5	in
Rebar Strain Limit:	0.008	-
Steel Elastic Modulus:	29,000	ksi
Tie Rebar Size #:	5	-
Tie Steel Area (Single Bar):	0.31	in^2
Tie Spacing:	6	in
Tie Steel F_y:	60,000	psi
Clear Cover:	3	in



Pad Strength Capacity			
Factored One Way Shear (V_u):	152.3	k	
One Way Shear Capacity (fV_c):	602.6	k	*ACI 318-14 25.5.5.1*
V_u / fV_c:	25%	Pass	
Load Direction Controling Shear Capacity:	*Parallel to Pad Edge*		
Lower Steel Pad Factored Moment (M_u):	1040.7	k-ft	
Lower Steel Pad Moment Capacity (fM_n):	4535.0	k-ft	*ACI 318-14 22.3.1.1*
M_u / fM_n:	23%	Pass	
Load Direction Controling Flexural Capacity:	*Parallel to Pad Edge*		
Upper Steel Pad Factored Moment (M_u):	211.4	k-ft	
Upper Steel Pad Moment Capacity (fM_n):	4535.0	k-ft	
M_u / fM_n:	5%	Pass	
Lower Pad Flexural Reinforcement Ratio:	0.0073		*OK - ACI 318-14 7.6.1.1 & 8.6.1.1*
Upper Pad Flexural Reinforcement Ratio:	0.0073		*OK - ACI 318-14 7.6.1.1 & 8.6.1.1*
Pad Shrinkage Reinforcement Ratio:	0.0145		*OK - ACI 318-14 24.4.3.2*
Lower Pad Reinforcement Spacing:	8.6	in	*OK - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3*
Upper Pad Reinforcement Spacing:	8.6	in	*OK - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3*
Ultimate Punching Shear Stress, v_u:	29.66	psi	*ACI 318-14 R8.4.4.2.3*
Nominal Punching Shear Capacity (f_cv_c):	164.3	psi	*ACI 318-14 22.6.5.2*
v_u / f_cv_c:	18%	Pass	
Pier Moment Pad Flexure Transfer Ratio, γ_f:	0.60		*TIA-222-H 9.4.2*
Moment Transfer Effective Flexural Width, B_{eff}:	14.00	ft	*TIA-222-H 9.4.2*
Moment Transfer Through Pad Flexure:	10705.68	k-in	*TIA-222-H 9.4.2*
Moment Transfer Flexural Capacity ($fM_{sc,f}$):	26456.87	k-in	
g_fM_{sc} / $fM_{sc,f}$:	0%	Pass	

Pier Strength Capacity			
Factored Moment in Pier (M_u):	1486.9	k-ft	
Pier Moment Capacity (fM_n):	7829.1	k-ft	
M_u / fM_n:	19%	Pass	
Factored Shear in Pier (V_u):	16.3	k	
Pier Shear Capacity (fV_n):	953.5	k	*ACI 318-14 22.5.1.1*
V_u / fV_c:	2%	Pass	
Pier Shear Reinforcement Ratio:	0.0005		*OK - No Ties Necessary for Shear - ACI11.5.6.1*
Factored Tension in Pier (T_u):	0.0	k	
Pier Tension Capacity (fT_n):	2194.6	k	
T_u / fT_n:	0%	Pass	
Factored Compression in Pier (P_u):	40.6	k	
Pier Compression Capacity (fP_n):	9583.6	k	*ACI 318-14 22.4.2.1*
P_u / fP_n:	0%	Pass	
Pier Compression Reinforcement Ratio:	0.006		*OK - TIA-222-H 9.4.1*
Minimum Depth to Develop Vertical Rebar:	52	in	*ACI 318-14 25.4.2.3*
Minimum Hook Development Length:	28	in	*ACI 318-14 25.4.3.1*
Minimum Mat Thickness / Edge Distance from Pier:	31.0	in	
Minimum Foundation Depth:	7.18	ft	
$M_u/f_BM_n + T_u/f_TT_n$:	19%	Pass	

Base Plate & Anchor Rod Analysis

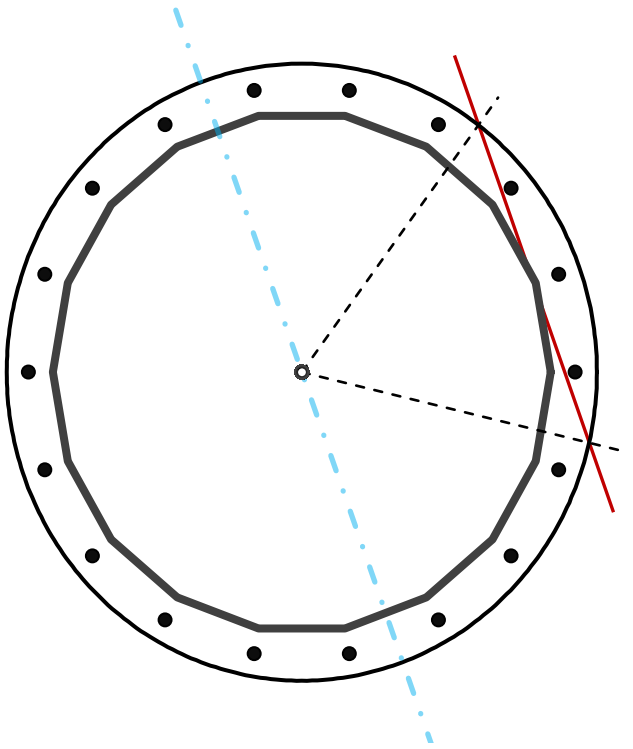
Pole Dimensions		
Number of Sides	18	-
Diameter	66.93	in
Thickness	3/8	in
Orientation Offset	0	°

Base Reactions		
Moment, Mu	1,421.8	k-ft
Axial, Pu	40.6	k
Shear, Vu	16.3	k
Neutral Axis	290	°

Report Capacities		
Component	Capacity	Result
Base Plate	4%	Pass
Anchor Rods	22%	Pass
Dwyidag	-	-

Base Plate		
Shape	Round	-
Diameter, ø	80.71	in
Thickness	3 1/8	in
Grade	A572-50	
Yield Strength, Fy	50	ksi
Tensile Strength, Fu	65	ksi
Clip	N/A	in
Orientation Offset	0	°
Anchor Rod Detail	d	η=0.5
Clear Distance	5	in
Applied Moment, Mu	198.1	k
Bending Stress, ϕMn	4874.3	k

Original Anchor Rods		
Arrangement	Radial	-
Quantity	18	-
Diameter, ø	2 1/4	in
Bolt Circle	74.8	in
Grade	A615-75	
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Spacing	13.1	in
Orientation Offset	0	°
Applied Force, Pu	54.6	k
Anchor Rods, ϕPn	243.6	k



Calculations for Monopole Base Plate & Anchor Rod Analysis

Reaction Distribution

Reaction	Shear Vu	Moment Mu	Factor
-	k	k-ft	-
Base Forces	16.3	1421.8	1.00
Anchor Rod Forces	16.3	1421.8	1.00
Additional Bolt (Grp1) Forces	0.0	0.0	0.00
Additional Bolt (Grp2) Forces	0.0	0.0	0.00
Dywidag Forces	0.0	0.0	0.00
Stiffener Forces	0.0	0.0	0.00

Geometric Properties

Section	Gross Area	Net Area	Individual Inertia	Threads per Inch	Moment of Inertia
-	in^2	in^2	in^4	#	in^4
Pole	78.0108	4.3339	0.2037		43197.93
Bolt	3.9761	3.2477	0.8393	4.5	38344.69
Bolt1	0.0000	0.0000	0.0000	0	0.00
Bolt2	0.0000	0.0000	0.0000	0	0.00
Dywidag	0.0000	0.0000	0.0000		0.00
Stiffener	0.0000	0.0000	0.0000		0.00

Base Plate		
Shape	Round	-
Diameter, D	80.71	in
Thickness, t	3.125	in
Yield Strength, Fy	50	ksi
Tensile Strength, Fu	65	ksi
Base Plate Chord	45.105	in
Detail Type	d	-
Detail Factor	0.50	-
Clear Distance	5	-

Anchor Rods		
Anchor Rod Quantity, N	18	-
Rod Diameter, d	2.25	in
Bolt Circle, BC	74.8	in
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	54.6	k
Applied Shear, Vu	0.2	k
Compressive Capacity, ϕPn	243.6	k
Tensile Capacity, ϕRnt	0.224	OK
Interaction Capacity	0.052	OK

External Base Plate		
Chord Length AA	38.457	in
Additional AA	5.910	in
Section Modulus, Z	108.317	in^3
Applied Moment, Mu	198.1	k-ft
Bending Capacity, ϕMn	4874.3	k-ft
Capacity, Mu/ϕMn	0.041	OK
Chord Length AB	36.594	in
Additional AB	5.910	in
Section Modulus, Z	103.769	in^3
Applied Moment, Mu	118.3	k-ft
Bending Capacity, ϕMn	4669.6	k-ft
Capacity, Mu/ϕMn	0.025	OK
Bend Line Length	44.858	in
Additional Bend Line	0.000	in
Section Modulus, Z	109.515	in^3
Applied Moment, Mu	198.1	k-ft
Bending Capacity, ϕMn	4928.2	k-ft
Capacity, Mu/ϕMn	0.040	OK

Internal Base Plate		
Arc Length	0.000	in
Section Modulus, Z	0.000	in^3
Moment Arm	0.000	in
Applied Moment, Mu	0.0	k-ft
Bending Capacity, ϕMn	0.0	k-ft
Capacity, Mu/ϕMn		

Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
(856) 797-0412
Greg.Dulnik@CollersEngineering.com

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10019438
Maser Consulting Connecticut Project #: 20777357A

March 10, 2021

Site Information	*Site ID:*	*467677-VZW / BROOKFIELD SOUTH CT*
	Site Name:	*BROOKFIELD SOUTH CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*100 Pocono Road* *Brookfield, Connecticut 06804* *Fairfield County*
	Latitude:	*41.46295000°*
	Longitude:	*-73.39827222°*
Structure Information	*Tower Type:*	*150-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

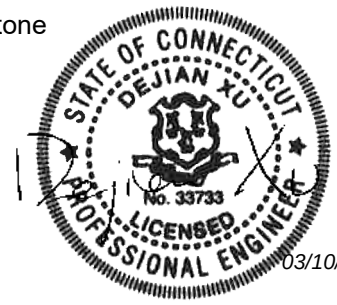
FUZE ID # 16244657

Analysis Results

Platform: **58.5% Pass**

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

Report Prepared By: Frank Centone



03/10/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 3047558, dated November 20, 2020*
Mount Mapping Report	*Tower Engineering Professionals, Site ID: 467677, dated November 16, 2020*
Construction Drawings	*All-Points Technology Corporation, APT Filing #: CT141_11860, dated February 08, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	115 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.988
Seismic Parameters:	S_S:	0.212
	S_1:	0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
143.00	146.00	6	JMA Wireless	MX06FRO660-03	Added
		3	-	VZS01	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		3	Kathrein	80010735V01	Retained
		2	Raycap	RRFDC-3315-PF-48	

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Larger Mount Pipe	*44.0%*	*Pass*
Mount Pipe	*49.8%*	*Pass*
Kicker	*10.2%*	*Pass*
Support Rail Corner	*58.5%*	*Pass*
Support Rail	*46.8%*	*Pass*
Face Horizontal	*27.4%*	*Pass*
Corner Plate	*22.1%*	*Pass*
Cross Arm Plate	*30.4%*	*Pass*
Grating Support	*14.0%*	*Pass*
Platform Crossmember	*11.7%*	*Pass*
Standoff Horizontal	*14.6%*	*Pass*
Connection Check	*26.7%*	*Pass*
Kicker Connection Check	*9.8%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**58.5%**

Recommendation:

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

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

Attachments:

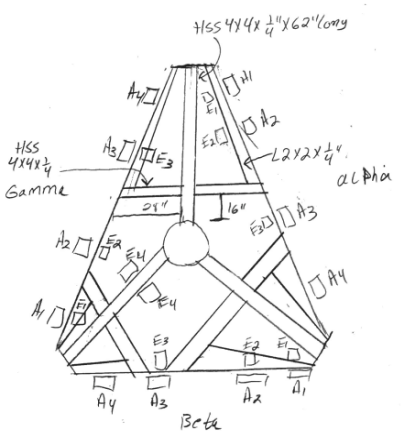
1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter

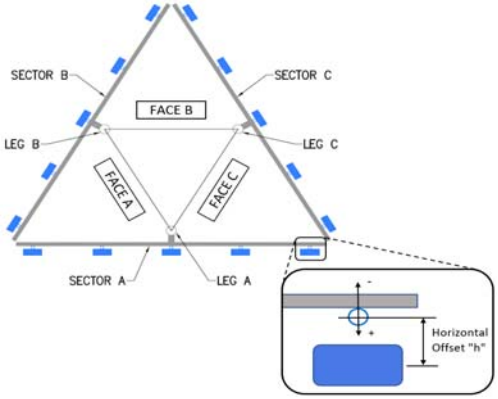
V3.0 Updated on 8-31-2020

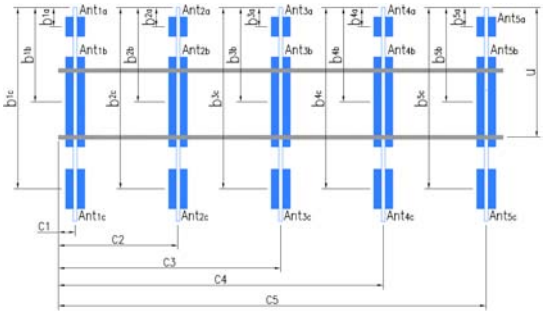
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
N/A

Tower Owner:	Unknown	**Mapping Date:**	11/16/20200
Site Name:	Brookfield South CT	**Tower Type:**	Monopole
Site Number or ID:	467677	**Tower Height (Ft.):**	150
Mapping Contractor:	TEP	**Mount Elevation (Ft.):**	142







Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2.4"Øx0.154"x8'-0"	85.00	16.00	C1	2.4"Øx0.154"x8'-0"	85.00	16.00
A2	2.4"Øx0.154"x8'-0"	85.00	39.00	C2	2.4"Øx0.154"x8'-0"	85.00	39.00
A3	2.4"Øx0.154"x8'-0"	85.00	112.50	C3	2.4"Øx0.154"x8'-0"	85.00	112.50
A4	2.4"Øx0.154"x8'-0"	85.00	134.50	C4	2.4"Øx0.154"x8'-0"	85.00	134.50
A5				C5			
A6				C6			
B1	2.4"Øx0.154"x8'-0"	85.00	16.00	D1			
B2	2.4"Øx0.154"x8'-0"	85.00	39.00	D2			
B3	2.4"Øx0.154"x8'-0"	85.00	112.50	D3			
B4	2.4"Øx0.154"x8'-0"	85.00	134.50	D4			
B5				D5			
B6				D6			

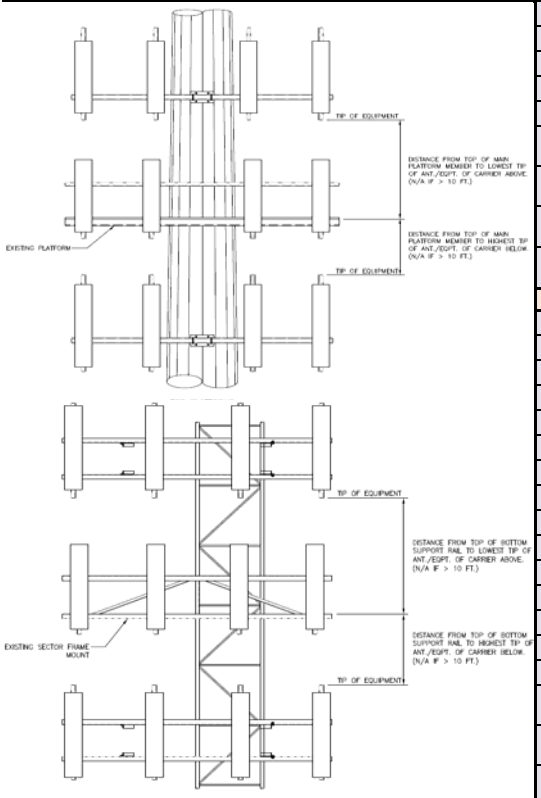
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	30.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	
Please enter additional infomation or comments below.	

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	18.43

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	80010735V01	11.90	3.90	76.00	er from R	141.75	58.00	8.50	325.00	163
Ant_{1c}	B13 RRH4x30	11.80	7.50	20.90		142.833	45.00	7.00		165
Ant_{2a}										
Ant_{2b}	HBXX6516DS-A2M	12.00	6.54	51.00	er from R	142.083	54.00	8.00	325.00	167
Ant_{2c}	B66a RRH4x45	11.80	7.20	25.80		142.583	48.00	6.50		169
Ant_{3a}										
Ant_{3b}	HBXX6516DS-A2M	12.00	6.54	51.00	er from R	142.083	54.00	8.00	325.00	174
Ant_{3c}	B25 RRH4x30	12.00	7.20	21.20		142.833	45.00	7.00		176
Ant_{4a}										
Ant_{4b}	80010735V01	11.90	3.90	76.00	er from R	141.75	58.00	8.50	325.00	178
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector		
Sector A:	325.00	Deg	Leg A:		Deg
Sector B:	85.00	Deg	Leg B:		Deg
Sector C:	205.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	90.00	Deg	Sector B
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	80010735V01	11.90	3.90	76.00	er from Ra	141.75	58.00	8.50	85.00	128
Ant_{1c}	B13 RRH4x30	11.80	7.50	20.90		142.833	45.00	7.00		130
Ant_{2a}										
Ant_{2b}	HBXX6516DS-A2M	12.00	6.54	51.00	er from Ra	142.083	54.00	8.00	85.00	132
Ant_{2c}	B66a RRH4x45	11.80	7.20	25.80		142.583	48.00	6.50		134
Ant_{3a}										
Ant_{3b}	HBXX6516DS-A2M	12.00	6.54	51.00	er from Ra	142.083	54.00	8.00	85.00	136
Ant_{3c}	B25 RRH4x30	12.00	7.20	21.20		142.833	45.00	7.00		138
Ant_{4a}										
Ant_{4b}	80010735V01	11.90	3.90	76.00	er from Ra	141.75	58.00	8.50	85.00	140
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	(2) RRFDC-3315-PF-48			1 1/4" Hybrid						157,160
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	80010735V01	11.90	3.90	76.00	er from Ra	141.75	58.00	8.50	205.00	143
Ant_{1c}	B13 RRH4x30	11.80	7.50	20.90		142.833	45.00	7.00		145
Ant_{2a}										
Ant_{2b}	HBXX6516DS-A2M	12.00	6.54	51.00	er from Ra	142.083	54.00	8.00	205.00	147
Ant_{2c}	B66a RRH4x45	11.80	7.20	25.80		142.583	48.00	6.50		149
Ant_{3a}										
Ant_{3b}	HBXX6516DS-A2M	12.00	6.54	51.00	er from Ra	142.083	54.00	8.00	205.00	151
Ant_{3c}	B25 RRH4x30	12.00	7.20	21.20		142.833	45.00	7.00		153
Ant_{4a}										
Ant_{4b}	80010735V01	11.90	3.90	76.00	er from Ra	141.75	58.00	8.50	205.00	155
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1		
2		
3		
4		
5		
6		
7		
8		

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

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

V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC # N/A

Tower Owner:	Unknown	**Mapping Date:**	11/16/20200
Site Name:	Brookfield South CT	**Tower Type:**	Monopole
Site Number or ID:	467677	**Tower Height (Ft.):**	150
Mapping Contractor:	TEP	**Mount Elevation (Ft.):**	142

Please Insert Sketches of the Antenna Mount

Brookfield South CT
467677-U2W
11/16/2020

Elevation CL
MNT: 142'
ANT: 144'-6"

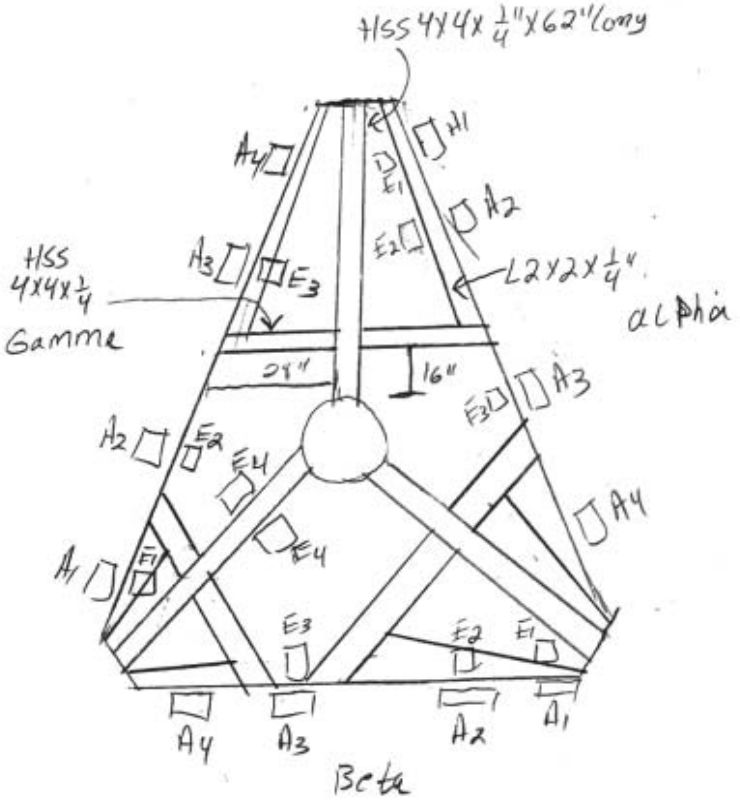
Kicker collar
28" below
MNT collar

Maser

Safety @ 90°
AZ
Alpha: 325°
Beta: 95°
Gamma: 205°

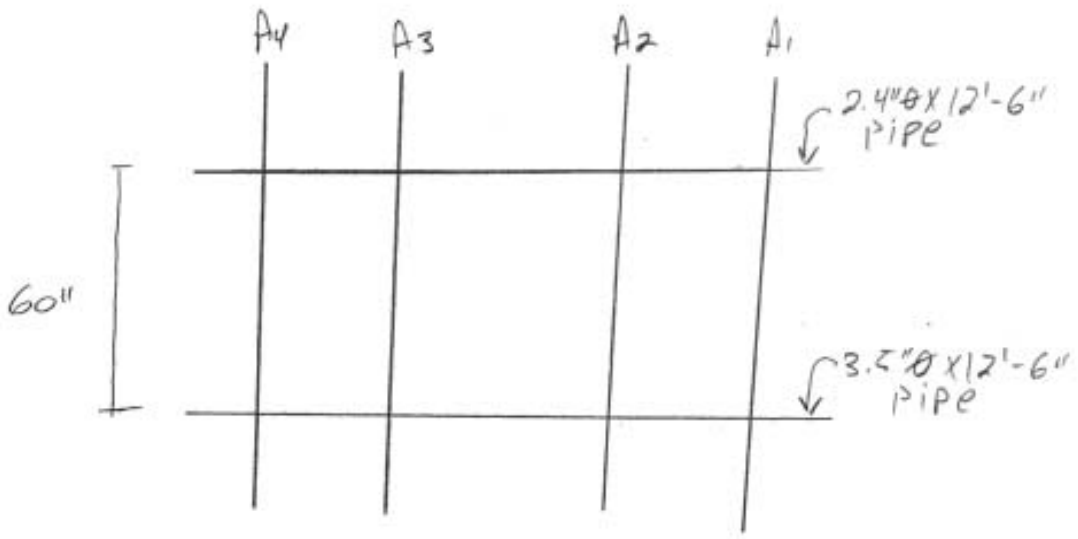
Coax
(2) 1 1/4" ø
Hybrids

Plan View

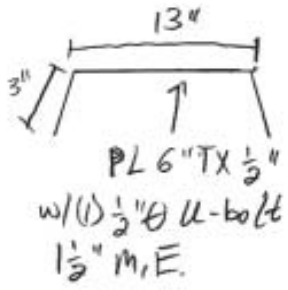


Please Insert Sketches of the Antenna Mount, cont'd

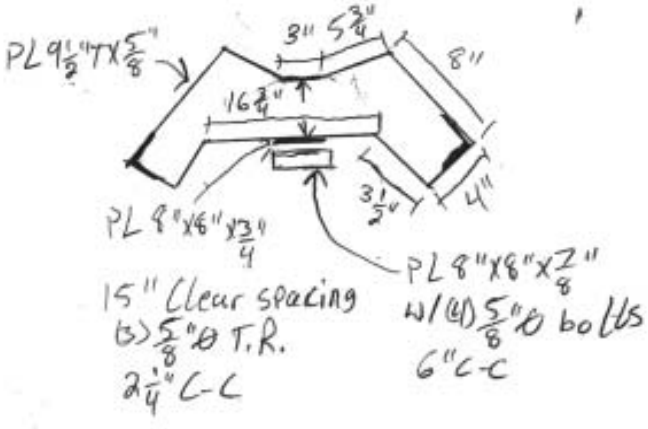
Front View



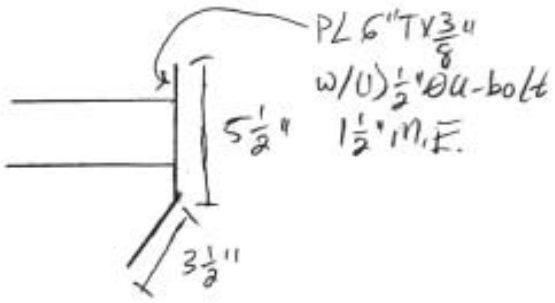
Face PIPE to MNT CNX



Collar - kicker / MNT



HSS to face CNX



Please Insert Sketches of the Antenna Mount, cont'd

Ticker

2 L 2½ x 2½" x ¼" x 53"
w/ (1) ⅝" ø bolt
1" M.E.

Ticker to Collar CNX

T- PL 8" x 8" x 4" D x ½"
w/ (4) ⅝" ø bolts
C" C-C

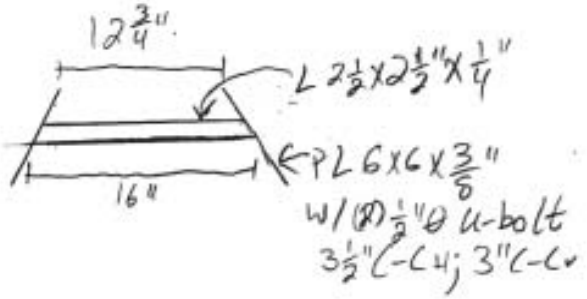
Ticker to MNT CNX

PL 7" x 8½" x ½"
w/ (4) ½" ø bolts

M.P. CNX

PL 6" x 6" x ⅜"
w/ (4) ½" ø U-bolts
Face: 4½" C-C_H ; 3" C-C_V
M.P.: 4½" C-C_V ; 3" C-C_H

Handrail CNX



Raycap CNX

PL 7" W x 11" T x ⅜"
w/ (4) ½" ø T.R.
5½" C-C_H ; 7" C-C_V

Pipe: 2.4" ø x 5'
w/ (2) ½" ø U-bolts
3" C-C_H ; 9½" C-C_V

Please Insert Sketches of the Antenna Mount, cont'd

Alpha

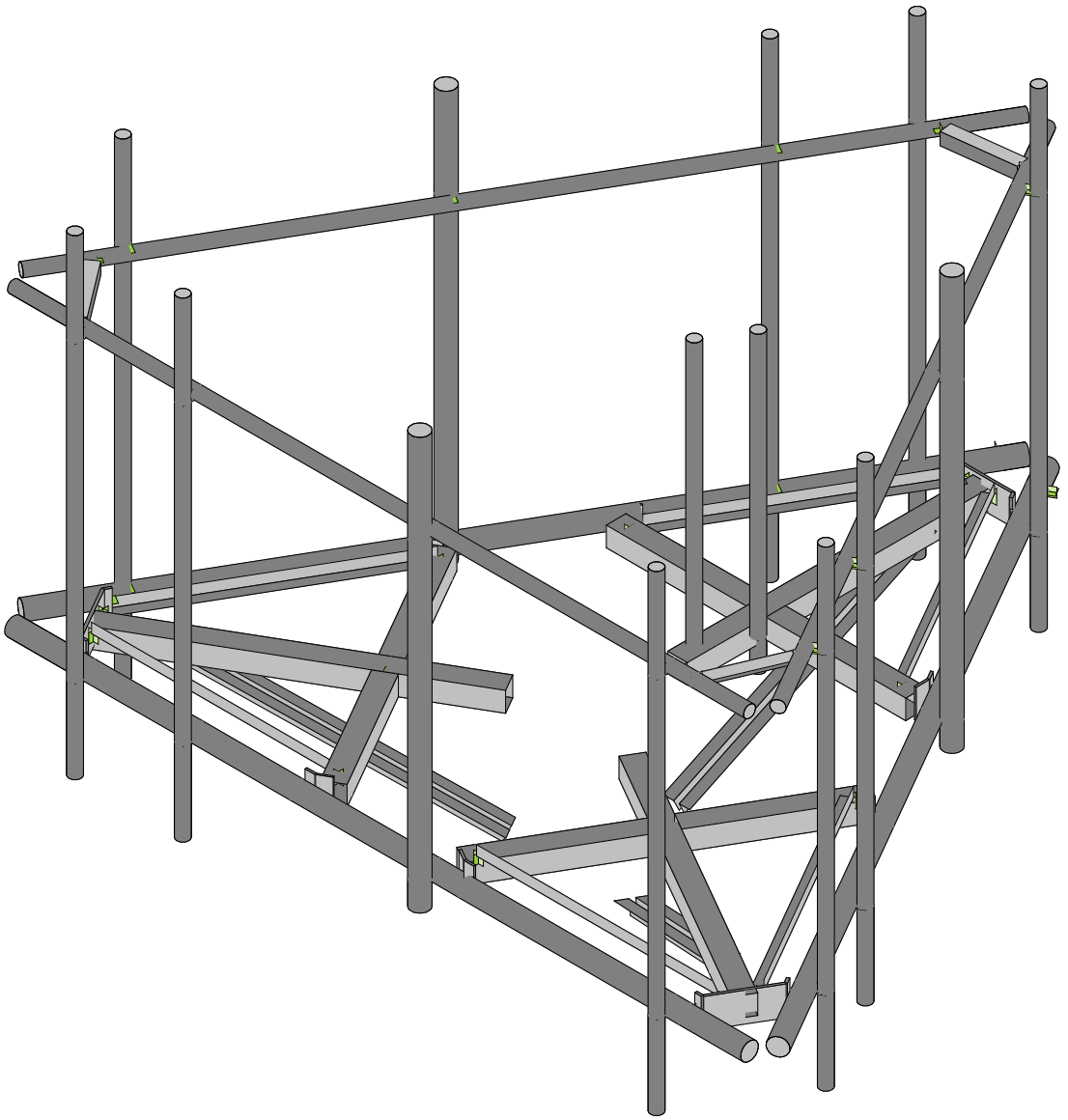
	m.p/location	u	b	H	c	model #
A1	2.4"Ø x 8'	85"	58"	8½"	16"	80010735V01
A2	↓	↓	54"	8"	39"	HBXX 6516DS-A2m
A3	↓	↓	54"	8"	112.5"	HBXX 6516DS-A2m
A4	↓	↓	58"	8½"	134.5"	80010735V01
E1	behind A1	–	45"	7"	–	B13 RRH 4X30
E2	behind A2	–	48"	6½"	–	B66a RRH 4X45
E3	behind A3	–	45"	7"	–	B25 RRH 4X30
E4	on MNT	–	–	–	–	RRFDC-3315-PF-48

Beta

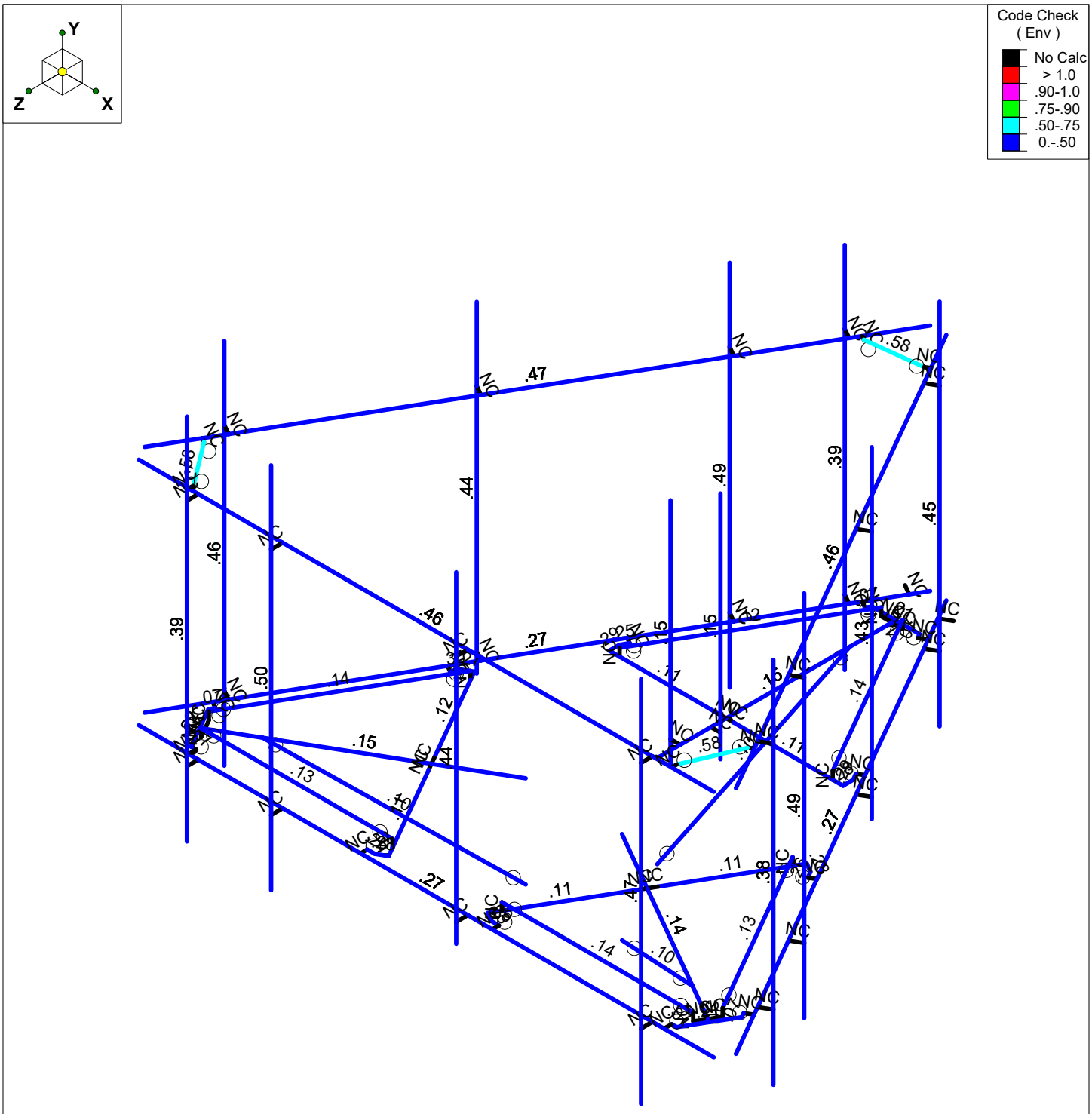
Same as alpha

Gamma

Same as Alpha

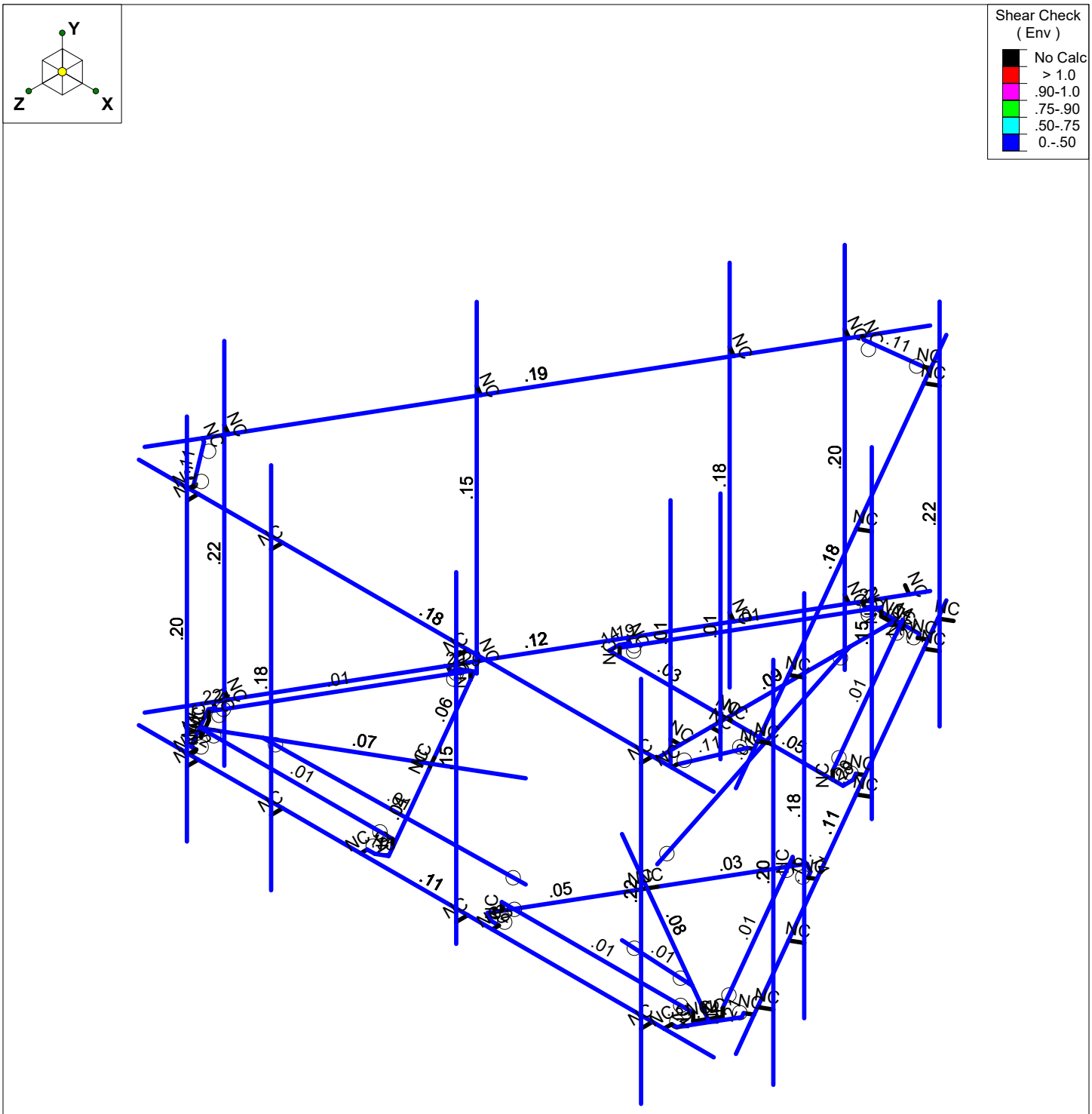


Maser Consulting Connect...	467677-VZW_MT_LO_H	SK - 4
FAC		Mar 10, 2021 at 3:16 PM
Project No. 10019438		467677-VZW_MT_LO_H.r3d



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

Maser Consulting Connect...	467677-VZW_MT_LO_H	SK - 5
FAC		Mar 10, 2021 at 3:16 PM
Project No. 10019438		467677-VZW_MT_LO_H.r3d



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

Maser Consulting Connect...	467677-VZW_MT_LO_H	SK - 6
FAC		Mar 10, 2021 at 3:16 PM
Project No. 10019438		467677-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					96			
2	Antenna Di	None					96			
3	Antenna Wo (0 Deg)	None					96			
4	Antenna Wo (30 Deg)	None					96			
5	Antenna Wo (60 Deg)	None					96			
6	Antenna Wo (90 Deg)	None					96			
7	Antenna Wo (120 Deg)	None					96			
8	Antenna Wo (150 Deg)	None					96			
9	Antenna Wo (180 Deg)	None					96			
10	Antenna Wo (210 Deg)	None					96			
11	Antenna Wo (240 Deg)	None					96			
12	Antenna Wo (270 Deg)	None					96			
13	Antenna Wo (300 Deg)	None					96			
14	Antenna Wo (330 Deg)	None					96			
15	Antenna Wi (0 Deg)	None					96			
16	Antenna Wi (30 Deg)	None					96			
17	Antenna Wi (60 Deg)	None					96			
18	Antenna Wi (90 Deg)	None					96			
19	Antenna Wi (120 Deg)	None					96			
20	Antenna Wi (150 Deg)	None					96			
21	Antenna Wi (180 Deg)	None					96			
22	Antenna Wi (210 Deg)	None					96			
23	Antenna Wi (240 Deg)	None					96			
24	Antenna Wi (270 Deg)	None					96			
25	Antenna Wi (300 Deg)	None					96			
26	Antenna Wi (330 Deg)	None					96			
27	Antenna Wm (0 Deg)	None					96			
28	Antenna Wm (30 Deg)	None					96			
29	Antenna Wm (60 Deg)	None					96			
30	Antenna Wm (90 Deg)	None					96			
31	Antenna Wm (120 Deg)	None					96			
32	Antenna Wm (150 Deg)	None					96			
33	Antenna Wm (180 Deg)	None					96			
34	Antenna Wm (210 Deg)	None					96			
35	Antenna Wm (240 Deg)	None					96			
36	Antenna Wm (270 Deg)	None					96			
37	Antenna Wm (300 Deg)	None					96			
38	Antenna Wm (330 Deg)	None					96			
39	Structure D	None		-1					3	
40	Structure Di	None						62	3	
41	Structure Wo (0 Deg)	None						124		
42	Structure Wo (30 Deg)	None						124		
43	Structure Wo (60 Deg)	None						124		
44	Structure Wo (90 Deg)	None						124		
45	Structure Wo (120 D...	None						124		
46	Structure Wo (150 D...	None						124		
47	Structure Wo (180 D...	None						124		
48	Structure Wo (210 D...	None						124		
49	Structure Wo (240 D...	None						124		
50	Structure Wo (270 D...	None						124		
51	Structure Wo (300 D...	None						124		
52	Structure Wo (330 D...	None						124		
53	Structure Wi (0 Deg)	None						124		
54	Structure Wi (30 Deg)	None						124		
55	Structure Wi (60 Deg)	None						124		
56	Structure Wi (90 Deg)	None						124		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						124		
58	Structure Wi (150 De...	None						124		
59	Structure Wi (180 De...	None						124		
60	Structure Wi (210 De...	None						124		
61	Structure Wi (240 De...	None						124		
62	Structure Wi (270 De...	None						124		
63	Structure Wi (300 De...	None						124		
64	Structure Wi (330 De...	None						124		
65	Structure Wm (0 Deg)	None						124		
66	Structure Wm (30 De...	None						124		
67	Structure Wm (60 De...	None						124		
68	Structure Wm (90 De...	None						124		
69	Structure Wm (120 D...	None						124		
70	Structure Wm (150 D...	None						124		
71	Structure Wm (180 D...	None						124		
72	Structure Wm (210 D...	None						124		
73	Structure Wm (240 D...	None						124		
74	Structure Wm (270 D...	None						124		
75	Structure Wm (300 D...	None						124		
76	Structure Wm (330 D...	None						124		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						30		
82	BLC 40 Transient Are...	None						30		

Load Combinations

	Description	Sol...	PD...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
1	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										

Load Combinations (Continued)

	Description	Sol...	PD...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
27	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic M...		Y		1	1	39	1																
53	1.2D + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	6.25	0	3.810523	0	
2	N2	-6.25	0	3.810523	0	
3	N3	0	0	-1.208333	0	
4	N5	-2.541667	0	-2.708333	0	
5	N6	2.315104	0.166667	-2.708333	0	
6	N7	-2.315104	0.166667	-2.708333	0	
7	N8	4.916667	0	3.810523	0	
8	N9	4.916667	0	4.060523	0	
9	N22	4.916667	-1.416667	4.060523	0	
10	N23	4.916667	6.583333	4.060523	0	
11	N24	0	0	-2.708333	0	
12	N27	0	0	-6.395833	0	
13	CP	0	0	0	0	
14	N29	2.315104	0	-2.708333	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N30	-2.315104	0	-2.708333	0	
16	N101	2.541667	0	-2.708333	0	
17	N102	-0.166667	0	-2.708333	0	
18	N103A	0.166667	0	-2.708333	0	
19	N104A	-2.541667	0	-2.927083	0	
20	N105	2.541667	0	-2.927083	0	
21	N131	2.458333	0	-3.071421	0	
22	N135	0.571615	0	-6.298857	0	
23	N144	-2.458333	0	-3.071421	0	
24	N148	-0.571615	0	-6.298857	0	
25	N86A	2.584629	0	-3.144338	0	
26	N86B	-2.584629	0	-3.144338	0	
27	N86C	-0.515625	0	-6.395833	0	
28	N87A	0.515625	0	-6.395833	0	
29	N86D	0.715429	0	-6.381888	0	
30	N86E	-0.715429	0	-6.381888	0	
31	N88A	0	0	-6.3125	0	
32	N87C	0.234238	0.166667	-6.3125	0	
33	N86G	0.234238	0	-6.3125	0	
34	N87B	-0.234238	0.166667	-6.3125	0	
35	N88C	-0.234238	0	-6.3125	0	
36	N87D	-1.046447	0	0.604167	0	
37	N88B	-1.074652	0	3.555315	0	
38	N89	-3.503038	0.166667	-0.650772	0	
39	N90	-1.187933	0.166667	3.359106	0	
40	N91	-2.345485	0	1.354167	0	
41	N92	-5.538954	0	3.197917	0	
42	N93	-3.503038	0	-0.650772	0	
43	N94	-1.187933	0	3.359106	0	
44	N95	-3.616319	0	-0.846981	0	
45	N96	-2.262152	0	1.498504	0	
46	N97	-2.428819	0	1.209829	0	
47	N98	-1.264095	0	3.66469	0	
48	N99	-3.805762	0	-0.737606	0	
49	N100	-3.889095	0	-0.593269	0	
50	N101A	-5.740777	0	2.654396	0	
51	N102A	-1.430762	0	3.66469	0	
52	N103	-5.169162	0	3.644461	0	
53	N104	-4.015391	0	-0.666185	0	
54	N105A	-1.430762	0	3.810523	0	
55	N106	-5.281142	0	3.644461	0	
56	N107	-5.796767	0	2.751372	0	
57	N108	-5.884591	0	2.571364	0	
58	N109	-5.169162	0	3.810523	0	
59	N110	-5.466785	0	3.15625	0	
60	N111	-5.583904	0.166667	2.953394	0	
61	N112	-5.583904	0	2.953394	0	
62	N113	-5.349667	0.166667	3.359106	0	
63	N114	-5.349667	0	3.359106	0	
64	N115	1.046447	0	0.604167	0	
65	N116	3.616319	0	-0.846981	0	
66	N117	1.187933	0.166667	3.359106	0	
67	N118	3.503038	0.166667	-0.650772	0	
68	N119	2.345485	0	1.354167	0	
69	N120	5.538954	0	3.197917	0	
70	N121	1.187933	0	3.359106	0	
71	N122	3.503038	0	-0.650772	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N123	1.074652	0	3.555315	0	
73	N124	2.428819	0	1.209829	0	
74	N125	2.262152	0	1.498504	0	
75	N126	3.805762	0	-0.737606	0	
76	N127	1.264095	0	3.66469	0	
77	N128	1.430762	0	3.66469	0	
78	N129	5.169162	0	3.644461	0	
79	N130	3.889095	0	-0.593269	0	
80	N131A	5.740777	0	2.654396	0	
81	N132	1.430762	0	3.810523	0	
82	N133	4.015391	0	-0.666186	0	
83	N134	5.796767	0	2.751372	0	
84	N135A	5.281142	0	3.644461	0	
85	N136	5.169162	0	3.810523	0	
86	N137	5.884591	0	2.571364	0	
87	N138	5.466785	0	3.15625	0	
88	N139	5.349667	0.166667	3.359106	0	
89	N140	5.349667	0	3.359106	0	
90	N141	5.583904	0.166667	2.953394	0	
91	N142	5.583904	0	2.953394	0	
92	N104B	0.17501	0	-7.31792	0	
93	N105B	6.42501	0	3.507397	0	
94	N124A	-6.42501	0	3.507397	0	
95	N125A	-0.17501	0	-7.31792	0	
96	N140B	6.25	5	3.810523	0	
97	N141B	-6.25	5	3.810523	0	
98	N142A	4.916667	5	3.810523	0	
99	N143	4.916667	5	4.060523	0	
100	N150	0.17501	5	-7.31792	0	
101	N151	6.42501	5	3.507397	0	
102	N158	-6.42501	5	3.507397	0	
103	N159	-0.17501	5	-7.31792	0	
104	N107B	5.333333	5	3.706357	0	
105	N113A	-5.166667	5	3.706357	0	
106	N116B	5.333333	5	3.810523	0	
107	N118A	-5.166667	5	3.810523	0	
108	N142B	0.42501	0	-6.884908	0	
109	N143A	0.641516	0	-7.009908	0	
110	N184	-0.341677	0	-7.029245	0	
111	N185	-0.558183	0	-7.154245	0	
112	N186	-0.558183	-2.083333	-7.154245	0	
113	N114A	5.793132	5	2.621286	0	
114	N115A	5.883343	5	2.569203	0	
115	N116A	-0.626466	5	-6.327643	0	
116	N117A	-0.716677	5	-6.379726	0	
117	N117B	0.543132	5	-6.47198	0	
118	N118B	0.633343	5	-6.524064	0	
119	N121A	-5.876466	5	2.765624	0	
120	N122A	-5.966677	5	2.713541	0	
121	N121B	.9	0	3.810523	0	
122	N122B	.9	0	4.060523	0	
123	N123A	.9	-0.416667	4.060523	0	
124	N124B	.9	6.583333	4.060523	0	
125	N125B	.9	5	3.810523	0	
126	N126A	.9	5	4.060523	0	
127	N127A	-3.125	0	3.810523	0	
128	N128A	-3.125	0	4.060523	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N129A	-3.125	-1.416667	4.060523	0	
130	N130A	-3.125	6.583333	4.060523	0	
131	N131B	-3.125	5	3.810523	0	
132	N132A	-3.125	5	4.060523	0	
133	N133A	-4.958333	0	3.810523	0	
134	N134A	-4.958333	0	4.060523	0	
135	N135B	-4.958333	-1.416667	4.060523	0	
136	N136A	-4.958333	6.583333	4.060523	0	
137	N137A	-4.958333	5	3.810523	0	
138	N138A	-4.958333	5	4.060523	0	
139	N139A	0.841677	0	-6.16322	0	
140	N140A	1.058183	0	-6.28822	0	
141	N141A	1.058183	-1.416667	-6.28822	0	
142	N142C	1.058183	6.583333	-6.28822	0	
143	N143B	0.841677	5	-6.16322	0	
144	N144A	1.058183	5	-6.28822	0	
145	N151A	4.86251	0	0.801068	0	
146	N152	5.079016	0	0.676068	0	
147	N153	5.079016	-1.416667	0.676068	0	
148	N154	5.079016	6.583333	0.676068	0	
149	N155	4.86251	5	0.801068	0	
150	N156	5.079016	5	0.676068	0	
151	N157	5.779177	0	2.388781	0	
152	N158A	5.995683	0	2.263781	0	
153	N159A	5.995683	-1.416667	2.263781	0	
154	N160	5.995683	6.583333	2.263781	0	
155	N161	5.779177	5	2.388781	0	
156	N162	5.995683	5	2.263781	0	
157	N163	-5.758343	0	2.352697	0	
158	N164	-5.97485	0	2.227697	0	
159	N165	-5.97485	-1.416667	2.227697	0	
160	N166	-5.97485	6.583333	2.227697	0	
161	N167	-5.758343	5	2.352697	0	
162	N168	-5.97485	5	2.227697	0	
163	N175	-1.73751	0	-4.611591	0	
164	N176	-1.954016	0	-4.736591	0	
165	N177	-1.954016	-1.416667	-4.736591	0	
166	N178	-1.954016	6.583333	-4.736591	0	
167	N179	-1.73751	5	-4.611591	0	
168	N180	-1.954016	5	-4.736591	0	
169	N181	-0.820843	0	-6.199304	0	
170	N182	-1.03735	0	-6.324304	0	
171	N183	-1.03735	-1.416667	-6.324304	0	
172	N184A	-1.03735	6.583333	-6.324304	0	
173	N185A	-0.820843	5	-6.199304	0	
174	N186A	-1.03735	5	-6.324304	0	
175	N187	0	0	-5.395833	0	
176	N188	0	-2	-1.208333	0	
177	N189	-4.672929	0	2.697917	0	
178	N190	-1.046447	-2	0.604167	0	
179	N191	4.672929	0	2.697917	0	
180	N192	1.046447	-2	0.604167	0	
181	N193	0	0	-1.708333	0	
182	N194	-0.208333	0	-1.708333	0	
183	N195	0	0	-2.375	0	
184	N196	0.208333	0	-2.375	0	
185	N197	-0.208333	-.5	-1.708333	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N198	0.208333	-.5	-2.375	0	
187	N199	-0.208333	4.5	-1.708333	0	
188	N200	0.208333	4.5	-2.375	0	
189	N189A	2.85001	0	-2.684684	0	
190	N190A	3.066516	0	-2.809684	0	
191	N191A	3.066516	-0.416667	-2.809684	0	
192	N192A	3.066516	6.583333	-2.809684	0	
193	N193A	2.85001	5	-2.684684	0	
194	N194A	3.066516	5	-2.809684	0	
195	N195A	-3.75001	0	-1.125839	0	
196	N196A	-3.966516	0	-1.250839	0	
197	N197A	-3.966516	-0.416667	-1.250839	0	
198	N198A	-3.966516	6.583333	-1.250839	0	
199	N199A	-3.75001	5	-1.125839	0	
200	N200A	-3.966516	5	-1.250839	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr....	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossmember	HSS4X4X4	Beam	SquareTube	A500 Gr....	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical	.944	.346	.346	.021
6	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Support Rail	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Support Rail Corner	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
10	Kicker	LL2.5x2.5...	Beam	Double Angle (3/...	A36 Gr.36	Typical	2.38	3.31	1.38	.052
11	Larger Mount Pipe	PIPE_3.0	Column	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
6	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
7	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
8	M35A	N7	N30			RIGID	None	None	RIGID	Typical
9	M36A	N6	N29			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
10	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
11	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
12	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
13	M58	N102	N24			RIGID	None	None	RIGID	Typical
14	M59	N24	N103A			RIGID	None	None	RIGID	Typical
15	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
16	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
17	M79	N131	N86A			RIGID	None	None	RIGID	Typical
18	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
19	M83	N135	N86D			RIGID	None	None	RIGID	Typical
20	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
21	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
22	M88	N144	N86B			RIGID	None	None	RIGID	Typical
23	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
24	M92	N148	N86E			RIGID	None	None	RIGID	Typical
25	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
26	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
27	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
28	M52A	N87D	N92			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
29	M53	N95	N97			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
30	M54	N96	N88B			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
31	M55	N106	N107			Corner Plate	Beam	BAR	A36 Gr.36	Typical
32	M56	N90	N94			RIGID	None	None	RIGID	Typical
33	M57	N89	N93			RIGID	None	None	RIGID	Typical
34	M58A	N111	N89			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
35	M59A	N90	N113			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
36	M60	N113	N114			RIGID	None	None	RIGID	Typical
37	M61	N96	N91			RIGID	None	None	RIGID	Typical
38	M62	N91	N97			RIGID	None	None	RIGID	Typical
39	M63	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
40	M64	N99	N100			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
41	M65	N100	N104			RIGID	None	None	RIGID	Typical
42	M66	N107	N101A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
43	M67	N101A	N108			RIGID	None	None	RIGID	Typical
44	M68	N88B	N98			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
45	M69	N98	N102A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
46	M70	N102A	N105A			RIGID	None	None	RIGID	Typical
47	M71	N106	N103			Corner Plate	Beam	BAR	A36 Gr.36	Typical
48	M72	N103	N109			RIGID	None	None	RIGID	Typical
49	M73	N114	N110			RIGID	None	None	RIGID	Typical
50	M74	N110	N112			RIGID	None	None	RIGID	Typical
51	M75	N111	N112			RIGID	None	None	RIGID	Typical
52	M76A	N115	N120			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
53	M77A	N123	N125			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
54	M78	N124	N116			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
55	M79A	N134	N135A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
56	M80A	N118	N122			RIGID	None	None	RIGID	Typical
57	M81	N117	N121			RIGID	None	None	RIGID	Typical
58	M82	N139	N117			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
59	M83A	N118	N141			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
60	M84A	N141	N142			RIGID	None	None	RIGID	Typical
61	M85A	N124	N119			RIGID	None	None	RIGID	Typical
62	M86	N119	N125			RIGID	None	None	RIGID	Typical
63	M87	N123	N127			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
64	M88A	N127	N128			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
65	M89	N128	N132			RIGID	None	None	RIGID	Typical
66	M90	N135A	N129			Corner Plate	Beam	BAR	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
67	M91A	N129	N136			RIGID	None	None	RIGID	Typical
68	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
69	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
70	M94	N130	N133			RIGID	None	None	RIGID	Typical
71	M95	N134	N131A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
72	M96	N131A	N137			RIGID	None	None	RIGID	Typical
73	M97	N142	N138			RIGID	None	None	RIGID	Typical
74	M98	N138	N140			RIGID	None	None	RIGID	Typical
75	M99	N139	N140			RIGID	None	None	RIGID	Typical
76	M82A	N104B	N105B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
77	M91B	N124A	N125A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
78	M100	N140B	N141B			Support Rail	Beam	Pipe	A53 Gr.B	Typical
79	M101	N142A	N143			RIGID	None	None	RIGID	Typical
80	M105	N150	N151			Support Rail	Beam	Pipe	A53 Gr.B	Typical
81	M109	N158	N159			Support Rail	Beam	Pipe	A53 Gr.B	Typical
82	M83B	N116B	N107B			RIGID	None	None	RIGID	Typical
83	M85B	N118A	N113A			RIGID	None	None	RIGID	Typical
84	M86A	N107B	N114A		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
85	M111	N142B	N143A			RIGID	None	None	RIGID	Typical
86	M132A	N184	N185			RIGID	None	None	RIGID	Typical
87	M90A	N115A	N114A			RIGID	None	None	RIGID	Typical
88	M94A	N117A	N116A			RIGID	None	None	RIGID	Typical
89	M98A	N118B	N117B			RIGID	None	None	RIGID	Typical
90	M99A	N117B	N116A		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
91	M104	N122A	N121A			RIGID	None	None	RIGID	Typical
92	M105A	N121A	N113A		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
93	M101A	N121B	N122B			RIGID	None	None	RIGID	Typical
94	MP2A	N124B	N123A			Larger Mount ...	Column	Pipe	A53 Gr.B	Typical
95	M103	N125B	N126A			RIGID	None	None	RIGID	Typical
96	M104A	N127A	N128A			RIGID	None	None	RIGID	Typical
97	MP3A	N130A	N129A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	M106B	N131B	N132A			RIGID	None	None	RIGID	Typical
99	M107A	N133A	N134A			RIGID	None	None	RIGID	Typical
100	MP4A	N136A	N135B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
101	M109A	N137A	N138A			RIGID	None	None	RIGID	Typical
102	M110	N139A	N140A			RIGID	None	None	RIGID	Typical
103	MP1C	N142C	N141A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
104	M112	N143B	N144A			RIGID	None	None	RIGID	Typical
105	M116	N151A	N152			RIGID	None	None	RIGID	Typical
106	MP3C	N154	N153			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
107	M118	N155	N156			RIGID	None	None	RIGID	Typical
108	M119	N157	N158A			RIGID	None	None	RIGID	Typical
109	MP4C	N160	N159A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
110	M121	N161	N162			RIGID	None	None	RIGID	Typical
111	M122	N163	N164			RIGID	None	None	RIGID	Typical
112	MP1B	N166	N165			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
113	M124	N167	N168			RIGID	None	None	RIGID	Typical
114	M128	N175	N176			RIGID	None	None	RIGID	Typical
115	MP3B	N178	N177			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
116	M130	N179	N180			RIGID	None	None	RIGID	Typical
117	M131	N181	N182			RIGID	None	None	RIGID	Typical
118	MP4B	N184A	N183			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
119	M133	N185A	N186A			RIGID	None	None	RIGID	Typical
120	M126	N188	N187			Kicker	Beam	Double Angle (...	A36 Gr.36	Typical
121	M127A	N190	N189			Kicker	Beam	Double Angle (...	A36 Gr.36	Typical
122	M128A	N192	N191			Kicker	Beam	Double Angle (...	A36 Gr.36	Typical
123	M129	N194	N193			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
124	M130A	N195	N196			RIGID	None	None	RIGID	Typical
125	M131A	N199	N197			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
126	M132	N200	N198			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
127	M127	N189A	N190A			RIGID	None	None	RIGID	Typical
128	MP2C	N192A	N191A			Larger Mount ...	Column	Pipe	A53 Gr.B	Typical
129	M129A	N193A	N194A			RIGID	None	None	RIGID	Typical
130	M130B	N195A	N196A			RIGID	None	None	RIGID	Typical
131	MP2B	N198A	N197A			Larger Mount ...	Column	Pipe	A53 Gr.B	Typical
132	M132B	N199A	N200A			RIGID	None	None	RIGID	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M1	Face Horizo...	12.5			Lbyy						Lateral
2	M4	Standoff Ho...	5.188			Lbyy						Lateral
3	M10	Platform Cr...	2.375			Lbyy						Lateral
4	MP1A	Mount Pipe	8			Lbyy						Lateral
5	M43	Platform Cr...	2.375			Lbyy						Lateral
6	M46	Corner Plate	1.031			Lbyy						Lateral
7	M51B	Grating Sup...	4.162			Lbyy						Lateral
8	M52B	Grating Sup...	4.162			Lbyy						Lateral
9	M76	Cross Arm ...	.219									Lateral
10	M77	Cross Arm ...	.167									Lateral
11	M80	Corner Plate	.112			Lbyy						Lateral
12	M84	Cross Arm ...	.219									Lateral
13	M85	Cross Arm ...	.167									Lateral
14	M91	Corner Plate	.112			Lbyy						Lateral
15	M52A	Standoff Ho...	5.188			Lbyy						Lateral
16	M53	Platform Cr...	2.375			Lbyy						Lateral
17	M54	Platform Cr...	2.375			Lbyy						Lateral
18	M55	Corner Plate	1.031			Lbyy						Lateral
19	M58A	Grating Sup...	4.162			Lbyy						Lateral
20	M59A	Grating Sup...	4.162			Lbyy						Lateral
21	M63	Cross Arm ...	.219									Lateral
22	M64	Cross Arm ...	.167									Lateral
23	M66	Corner Plate	.112			Lbyy						Lateral
24	M68	Cross Arm ...	.219									Lateral
25	M69	Cross Arm ...	.167									Lateral
26	M71	Corner Plate	.112			Lbyy						Lateral
27	M76A	Standoff Ho...	5.188			Lbyy						Lateral
28	M77A	Platform Cr...	2.375			Lbyy						Lateral
29	M78	Platform Cr...	2.375			Lbyy						Lateral
30	M79A	Corner Plate	1.031			Lbyy						Lateral
31	M82	Grating Sup...	4.162			Lbyy						Lateral
32	M83A	Grating Sup...	4.162			Lbyy						Lateral
33	M87	Cross Arm ...	.219									Lateral
34	M88A	Cross Arm ...	.167									Lateral
35	M90	Corner Plate	.112			Lbyy						Lateral
36	M92A	Cross Arm ...	.219									Lateral
37	M93	Cross Arm ...	.167									Lateral
38	M95	Corner Plate	.112			Lbyy						Lateral
39	M82A	Face Horizo...	12.5			Lbyy						Lateral
40	M91B	Face Horizo...	12.5			Lbyy						Lateral
41	M100	Support Rail	12.5			Lbyy						Lateral
42	M105	Support Rail	12.5			Lbyy						Lateral
43	M109	Support Rail	12.5			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
44	M86A	Support Rail...	1.178			Lbyy						Lateral
45	M99A	Support Rail...	1.178			Lbyy						Lateral
46	M105A	Support Rail...	1.178			Lbyy						Lateral
47	MP2A	Larger Mou...	7			Lbyy						Lateral
48	MP3A	Mount Pipe	8			Lbyy						Lateral
49	MP4A	Mount Pipe	8			Lbyy						Lateral
50	MP1C	Mount Pipe	8			Lbyy						Lateral
51	MP3C	Mount Pipe	8			Lbyy						Lateral
52	MP4C	Mount Pipe	8			Lbyy						Lateral
53	MP1B	Mount Pipe	8			Lbyy						Lateral
54	MP3B	Mount Pipe	8			Lbyy						Lateral
55	MP4B	Mount Pipe	8			Lbyy						Lateral
56	M126	Kicker	4.641			Lbyy						Lateral
57	M127A	Kicker	4.641			Lbyy						Lateral
58	M128A	Kicker	4.641			Lbyy						Lateral
59	M131A	Mount Pipe	5									Lateral
60	M132	Mount Pipe	5									Lateral
61	MP2C	Larger Mou...	7			Lbyy						Lateral
62	MP2B	Larger Mou...	7			Lbyy						Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-39	2
2	MP2A	My	-.019	2
3	MP2A	Mz	.026	2
4	MP2A	Y	-39	6
5	MP2A	My	-.019	6
6	MP2A	Mz	.026	6
7	MP2B	Y	-39	2
8	MP2B	My	-.018	2
9	MP2B	Mz	-.027	2
10	MP2B	Y	-39	6
11	MP2B	My	-.018	6
12	MP2B	Mz	-.027	6
13	MP2C	Y	-39	2
14	MP2C	My	.032	2
15	MP2C	Mz	.004	2
16	MP2C	Y	-39	6
17	MP2C	My	.032	6
18	MP2C	Mz	.004	6
19	MP2A	Y	-39	2
20	MP2A	My	-.019	2
21	MP2A	Mz	-.026	2
22	MP2A	Y	-39	6
23	MP2A	My	-.019	6
24	MP2A	Mz	-.026	6
25	MP2B	Y	-39	2
26	MP2B	My	.031	2
27	MP2B	Mz	-.009	2
28	MP2B	Y	-39	6
29	MP2B	My	.031	6
30	MP2B	Mz	-.009	6
31	MP2C	Y	-39	2
32	MP2C	My	-.013	2
33	MP2C	Mz	.03	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2C	Y	-39	6
35	MP2C	My	-.013	6
36	MP2C	Mz	.03	6
37	MP3A	Y	-43.55	3
38	MP3A	My	-.022	3
39	MP3A	Mz	0	3
40	MP3A	Y	-43.55	5
41	MP3A	My	-.022	5
42	MP3A	Mz	0	5
43	MP3B	Y	-43.55	3
44	MP3B	My	.007	3
45	MP3B	Mz	-.02	3
46	MP3B	Y	-43.55	5
47	MP3B	My	.007	5
48	MP3B	Mz	-.02	5
49	MP3C	Y	-43.55	3
50	MP3C	My	.011	3
51	MP3C	Mz	.019	3
52	MP3C	Y	-43.55	5
53	MP3C	My	.011	5
54	MP3C	Mz	.019	5
55	MP2A	Y	-84.4	4
56	MP2A	My	.042	4
57	MP2A	Mz	0	4
58	MP2B	Y	-84.4	4
59	MP2B	My	-.014	4
60	MP2B	Mz	.04	4
61	MP2C	Y	-84.4	4
62	MP2C	My	-.021	4
63	MP2C	Mz	-.037	4
64	MP1A	Y	-70.3	4
65	MP1A	My	.035	4
66	MP1A	Mz	0	4
67	MP1B	Y	-70.3	4
68	MP1B	My	-.012	4
69	MP1B	Mz	.033	4
70	MP1C	Y	-70.3	4
71	MP1C	My	-.018	4
72	MP1C	Mz	-.03	4
73	MP1A	Y	-17.65	1.5
74	MP1A	My	-.009	1.5
75	MP1A	Mz	0	1.5
76	MP1A	Y	-17.65	7
77	MP1A	My	-.009	7
78	MP1A	Mz	0	7
79	MP1B	Y	-17.65	1.5
80	MP1B	My	.003	1.5
81	MP1B	Mz	-.008	1.5
82	MP1B	Y	-17.65	7
83	MP1B	My	.003	7
84	MP1B	Mz	-.008	7
85	MP1C	Y	-17.65	1.5
86	MP1C	My	.004	1.5
87	MP1C	Mz	.008	1.5
88	MP1C	Y	-17.65	7
89	MP1C	My	.004	7
90	MP1C	Mz	.008	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	M131A	Y	-26.9	2.5
92	M131A	My	0	2.5
93	M131A	Mz	0	2.5
94	M132	Y	-26.9	2.5
95	M132	My	0	2.5
96	M132	Mz	0	2.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-82.955	2
2	MP2A	My	-.041	2
3	MP2A	Mz	.055	2
4	MP2A	Y	-82.955	6
5	MP2A	My	-.041	6
6	MP2A	Mz	.055	6
7	MP2B	Y	-82.955	2
8	MP2B	My	-.038	2
9	MP2B	Mz	-.058	2
10	MP2B	Y	-82.955	6
11	MP2B	My	-.038	6
12	MP2B	Mz	-.058	6
13	MP2C	Y	-82.955	2
14	MP2C	My	.069	2
15	MP2C	Mz	.008	2
16	MP2C	Y	-82.955	6
17	MP2C	My	.069	6
18	MP2C	Mz	.008	6
19	MP2A	Y	-82.955	2
20	MP2A	My	-.041	2
21	MP2A	Mz	-.055	2
22	MP2A	Y	-82.955	6
23	MP2A	My	-.041	6
24	MP2A	Mz	-.055	6
25	MP2B	Y	-82.955	2
26	MP2B	My	.066	2
27	MP2B	Mz	-.02	2
28	MP2B	Y	-82.955	6
29	MP2B	My	.066	6
30	MP2B	Mz	-.02	6
31	MP2C	Y	-82.955	2
32	MP2C	My	-.027	2
33	MP2C	Mz	.064	2
34	MP2C	Y	-82.955	6
35	MP2C	My	-.027	6
36	MP2C	Mz	.064	6
37	MP3A	Y	-35.831	3
38	MP3A	My	-.018	3
39	MP3A	Mz	0	3
40	MP3A	Y	-35.831	5
41	MP3A	My	-.018	5
42	MP3A	Mz	0	5
43	MP3B	Y	-35.831	3
44	MP3B	My	.006	3
45	MP3B	Mz	-.017	3
46	MP3B	Y	-35.831	5
47	MP3B	My	.006	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3B	Mz	-.017	5
49	MP3C	Y	-35.831	3
50	MP3C	My	.009	3
51	MP3C	Mz	.016	3
52	MP3C	Y	-35.831	5
53	MP3C	My	.009	5
54	MP3C	Mz	.016	5
55	MP2A	Y	-45.144	4
56	MP2A	My	.023	4
57	MP2A	Mz	0	4
58	MP2B	Y	-45.144	4
59	MP2B	My	-.008	4
60	MP2B	Mz	.021	4
61	MP2C	Y	-45.144	4
62	MP2C	My	-.011	4
63	MP2C	Mz	-.02	4
64	MP1A	Y	-40.568	4
65	MP1A	My	.02	4
66	MP1A	Mz	0	4
67	MP1B	Y	-40.568	4
68	MP1B	My	-.007	4
69	MP1B	Mz	.019	4
70	MP1C	Y	-40.568	4
71	MP1C	My	-.01	4
72	MP1C	Mz	-.018	4
73	MP1A	Y	-58.814	1.5
74	MP1A	My	-.029	1.5
75	MP1A	Mz	0	1.5
76	MP1A	Y	-58.814	7
77	MP1A	My	-.029	7
78	MP1A	Mz	0	7
79	MP1B	Y	-58.814	1.5
80	MP1B	My	.01	1.5
81	MP1B	Mz	-.028	1.5
82	MP1B	Y	-58.814	7
83	MP1B	My	.01	7
84	MP1B	Mz	-.028	7
85	MP1C	Y	-58.814	1.5
86	MP1C	My	.015	1.5
87	MP1C	Mz	.025	1.5
88	MP1C	Y	-58.814	7
89	MP1C	My	.015	7
90	MP1C	Mz	.025	7
91	M131A	Y	-55.499	2.5
92	M131A	My	0	2.5
93	M131A	Mz	0	2.5
94	M132	Y	-55.499	2.5
95	M132	My	0	2.5
96	M132	Mz	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2
2	MP2A	Z	-193.418	2
3	MP2A	Mx	-.129	2
4	MP2A	X	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2A	Z	-193.418	6
6	MP2A	Mx	-.129	6
7	MP2B	X	0	2
8	MP2B	Z	-149.603	2
9	MP2B	Mx	.104	2
10	MP2B	X	0	6
11	MP2B	Z	-149.603	6
12	MP2B	Mx	.104	6
13	MP2C	X	0	2
14	MP2C	Z	-156.204	2
15	MP2C	Mx	-.016	2
16	MP2C	X	0	6
17	MP2C	Z	-156.204	6
18	MP2C	Mx	-.016	6
19	MP2A	X	0	2
20	MP2A	Z	-193.418	2
21	MP2A	Mx	.129	2
22	MP2A	X	0	6
23	MP2A	Z	-193.418	6
24	MP2A	Mx	.129	6
25	MP2B	X	0	2
26	MP2B	Z	-149.603	2
27	MP2B	Mx	.036	2
28	MP2B	X	0	6
29	MP2B	Z	-149.603	6
30	MP2B	Mx	.036	6
31	MP2C	X	0	2
32	MP2C	Z	-156.204	2
33	MP2C	Mx	-.12	2
34	MP2C	X	0	6
35	MP2C	Z	-156.204	6
36	MP2C	Mx	-.12	6
37	MP3A	X	0	3
38	MP3A	Z	-92.104	3
39	MP3A	Mx	0	3
40	MP3A	X	0	5
41	MP3A	Z	-92.104	5
42	MP3A	Mx	0	5
43	MP3B	X	0	3
44	MP3B	Z	-42.615	3
45	MP3B	Mx	.02	3
46	MP3B	X	0	5
47	MP3B	Z	-42.615	5
48	MP3B	Mx	.02	5
49	MP3C	X	0	3
50	MP3C	Z	-50.07	3
51	MP3C	Mx	-.022	3
52	MP3C	X	0	5
53	MP3C	Z	-50.07	5
54	MP3C	Mx	-.022	5
55	MP2A	X	0	4
56	MP2A	Z	-73.185	4
57	MP2A	Mx	0	4
58	MP2B	X	0	4
59	MP2B	Z	-51.759	4
60	MP2B	Mx	-.024	4
61	MP2C	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP2C	Z	-54.987	4
63	MP2C	Mx	.024	4
64	MP1A	X	0	4
65	MP1A	Z	-73.079	4
66	MP1A	Mx	0	4
67	MP1B	X	0	4
68	MP1B	Z	-43.488	4
69	MP1B	Mx	-.02	4
70	MP1C	X	0	4
71	MP1C	Z	-47.946	4
72	MP1C	Mx	.021	4
73	MP1A	X	0	1.5
74	MP1A	Z	-168.576	1.5
75	MP1A	Mx	0	1.5
76	MP1A	X	0	7
77	MP1A	Z	-168.576	7
78	MP1A	Mx	0	7
79	MP1B	X	0	1.5
80	MP1B	Z	-95.928	1.5
81	MP1B	Mx	.045	1.5
82	MP1B	X	0	7
83	MP1B	Z	-95.928	7
84	MP1B	Mx	.045	7
85	MP1C	X	0	1.5
86	MP1C	Z	-106.872	1.5
87	MP1C	Mx	-.046	1.5
88	MP1C	X	0	7
89	MP1C	Z	-106.872	7
90	MP1C	Mx	-.046	7
91	M131A	X	0	2.5
92	M131A	Z	-67.354	2.5
93	M131A	Mx	0	2.5
94	M132	X	0	2.5
95	M132	Z	-67.354	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	90.507	2
2	MP2A	Z	-156.762	2
3	MP2A	Mx	-.15	2
4	MP2A	X	90.507	6
5	MP2A	Z	-156.762	6
6	MP2A	Mx	-.15	6
7	MP2B	X	72.648	2
8	MP2B	Z	-125.829	2
9	MP2B	Mx	.055	2
10	MP2B	X	72.648	6
11	MP2B	Z	-125.829	6
12	MP2B	Mx	.055	6
13	MP2C	X	90.507	2
14	MP2C	Z	-156.762	2
15	MP2C	Mx	.059	2
16	MP2C	X	90.507	6
17	MP2C	Z	-156.762	6
18	MP2C	Mx	.059	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	90.507	2
20	MP2A	Z	-156.762	2
21	MP2A	Mx	.059	2
22	MP2A	X	90.507	6
23	MP2A	Z	-156.762	6
24	MP2A	Mx	.059	6
25	MP2B	X	72.648	2
26	MP2B	Z	-125.829	2
27	MP2B	Mx	.088	2
28	MP2B	X	72.648	6
29	MP2B	Z	-125.829	6
30	MP2B	Mx	.088	6
31	MP2C	X	90.507	2
32	MP2C	Z	-156.762	2
33	MP2C	Mx	-.15	2
34	MP2C	X	90.507	6
35	MP2C	Z	-156.762	6
36	MP2C	Mx	-.15	6
37	MP3A	X	39.046	3
38	MP3A	Z	-67.63	3
39	MP3A	Mx	-.02	3
40	MP3A	X	39.046	5
41	MP3A	Z	-67.63	5
42	MP3A	Mx	-.02	5
43	MP3B	X	18.874	3
44	MP3B	Z	-32.691	3
45	MP3B	Mx	.019	3
46	MP3B	X	18.874	5
47	MP3B	Z	-32.691	5
48	MP3B	Mx	.019	5
49	MP3C	X	39.046	3
50	MP3C	Z	-67.63	3
51	MP3C	Mx	-.02	3
52	MP3C	X	39.046	5
53	MP3C	Z	-67.63	5
54	MP3C	Mx	-.02	5
55	MP2A	X	33.56	4
56	MP2A	Z	-58.127	4
57	MP2A	Mx	.017	4
58	MP2B	X	24.826	4
59	MP2B	Z	-43	4
60	MP2B	Mx	-.024	4
61	MP2C	X	33.56	4
62	MP2C	Z	-58.127	4
63	MP2C	Mx	.017	4
64	MP1A	X	32.351	4
65	MP1A	Z	-56.033	4
66	MP1A	Mx	.016	4
67	MP1B	X	20.289	4
68	MP1B	Z	-35.142	4
69	MP1B	Mx	-.02	4
70	MP1C	X	32.351	4
71	MP1C	Z	-56.033	4
72	MP1C	Mx	.016	4
73	MP1A	X	74.004	1.5
74	MP1A	Z	-128.179	1.5
75	MP1A	Mx	-.037	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP1A	X	74.004	7
77	MP1A	Z	-128.179	7
78	MP1A	Mx	-.037	7
79	MP1B	X	44.392	1.5
80	MP1B	Z	-76.89	1.5
81	MP1B	Mx	.044	1.5
82	MP1B	X	44.392	7
83	MP1B	Z	-76.89	7
84	MP1B	Mx	.044	7
85	MP1C	X	74.004	1.5
86	MP1C	Z	-128.179	1.5
87	MP1C	Mx	-.037	1.5
88	MP1C	X	74.004	7
89	MP1C	Z	-128.179	7
90	MP1C	Mx	-.037	7
91	M131A	X	32.192	2.5
92	M131A	Z	-55.758	2.5
93	M131A	Mx	0	2.5
94	M132	X	32.192	2.5
95	M132	Z	-55.758	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	135.276	2
2	MP2A	Z	-78.102	2
3	MP2A	Mx	-.12	2
4	MP2A	X	135.276	6
5	MP2A	Z	-78.102	6
6	MP2A	Mx	-.12	6
7	MP2B	X	142.288	2
8	MP2B	Z	-82.15	2
9	MP2B	Mx	-.007	2
10	MP2B	X	142.288	6
11	MP2B	Z	-82.15	6
12	MP2B	Mx	-.007	6
13	MP2C	X	167.505	2
14	MP2C	Z	-96.709	2
15	MP2C	Mx	.129	2
16	MP2C	X	167.505	6
17	MP2C	Z	-96.709	6
18	MP2C	Mx	.129	6
19	MP2A	X	135.276	2
20	MP2A	Z	-78.102	2
21	MP2A	Mx	-.016	2
22	MP2A	X	135.276	6
23	MP2A	Z	-78.102	6
24	MP2A	Mx	-.016	6
25	MP2B	X	142.288	2
26	MP2B	Z	-82.15	2
27	MP2B	Mx	.133	2
28	MP2B	X	142.288	6
29	MP2B	Z	-82.15	6
30	MP2B	Mx	.133	6
31	MP2C	X	167.505	2
32	MP2C	Z	-96.709	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	-.129	2
34	MP2C	X	167.505	6
35	MP2C	Z	-96.709	6
36	MP2C	Mx	-.129	6
37	MP3A	X	43.362	3
38	MP3A	Z	-25.035	3
39	MP3A	Mx	-.022	3
40	MP3A	X	43.362	5
41	MP3A	Z	-25.035	5
42	MP3A	Mx	-.022	5
43	MP3B	X	51.282	3
44	MP3B	Z	-29.608	3
45	MP3B	Mx	.023	3
46	MP3B	X	51.282	5
47	MP3B	Z	-29.608	5
48	MP3B	Mx	.023	5
49	MP3C	X	79.764	3
50	MP3C	Z	-46.052	3
51	MP3C	Mx	0	3
52	MP3C	X	79.764	5
53	MP3C	Z	-46.052	5
54	MP3C	Mx	0	5
55	MP2A	X	47.62	4
56	MP2A	Z	-27.493	4
57	MP2A	Mx	.024	4
58	MP2B	X	51.049	4
59	MP2B	Z	-29.473	4
60	MP2B	Mx	-.023	4
61	MP2C	X	63.38	4
62	MP2C	Z	-36.593	4
63	MP2C	Mx	0	4
64	MP1A	X	41.522	4
65	MP1A	Z	-23.973	4
66	MP1A	Mx	.021	4
67	MP1B	X	46.258	4
68	MP1B	Z	-26.707	4
69	MP1B	Mx	-.02	4
70	MP1C	X	63.288	4
71	MP1C	Z	-36.539	4
72	MP1C	Mx	0	4
73	MP1A	X	92.554	1.5
74	MP1A	Z	-53.436	1.5
75	MP1A	Mx	-.046	1.5
76	MP1A	X	92.554	7
77	MP1A	Z	-53.436	7
78	MP1A	Mx	-.046	7
79	MP1B	X	104.18	1.5
80	MP1B	Z	-60.148	1.5
81	MP1B	Mx	.046	1.5
82	MP1B	X	104.18	7
83	MP1B	Z	-60.148	7
84	MP1B	Mx	.046	7
85	MP1C	X	145.991	1.5
86	MP1C	Z	-84.288	1.5
87	MP1C	Mx	0	1.5
88	MP1C	X	145.991	7
89	MP1C	Z	-84.288	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP1C	Mx	0	7
91	M131A	X	67.104	2.5
92	M131A	Z	-38.742	2.5
93	M131A	Mx	0	2.5
94	M132	X	67.104	2.5
95	M132	Z	-38.742	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	143.799	2
2	MP2A	Z	0	2
3	MP2A	Mx	-.072	2
4	MP2A	X	143.799	6
5	MP2A	Z	0	6
6	MP2A	Mx	-.072	6
7	MP2B	X	187.614	2
8	MP2B	Z	0	2
9	MP2B	Mx	-.085	2
10	MP2B	X	187.614	6
11	MP2B	Z	0	6
12	MP2B	Mx	-.085	6
13	MP2C	X	181.013	2
14	MP2C	Z	0	2
15	MP2C	Mx	.15	2
16	MP2C	X	181.013	6
17	MP2C	Z	0	6
18	MP2C	Mx	.15	6
19	MP2A	X	143.799	2
20	MP2A	Z	0	2
21	MP2A	Mx	-.072	2
22	MP2A	X	143.799	6
23	MP2A	Z	0	6
24	MP2A	Mx	-.072	6
25	MP2B	X	187.614	2
26	MP2B	Z	0	2
27	MP2B	Mx	.15	2
28	MP2B	X	187.614	6
29	MP2B	Z	0	6
30	MP2B	Mx	.15	6
31	MP2C	X	181.013	2
32	MP2C	Z	0	2
33	MP2C	Mx	-.059	2
34	MP2C	X	181.013	6
35	MP2C	Z	0	6
36	MP2C	Mx	-.059	6
37	MP3A	X	36.059	3
38	MP3A	Z	0	3
39	MP3A	Mx	-.018	3
40	MP3A	X	36.059	5
41	MP3A	Z	0	5
42	MP3A	Mx	-.018	5
43	MP3B	X	85.548	3
44	MP3B	Z	0	3
45	MP3B	Mx	.015	3
46	MP3B	X	85.548	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP3B	Z	0	5
48	MP3B	Mx	.015	5
49	MP3C	X	78.093	3
50	MP3C	Z	0	3
51	MP3C	Mx	.02	3
52	MP3C	X	78.093	5
53	MP3C	Z	0	5
54	MP3C	Mx	.02	5
55	MP2A	X	48.921	4
56	MP2A	Z	0	4
57	MP2A	Mx	.024	4
58	MP2B	X	70.347	4
59	MP2B	Z	0	4
60	MP2B	Mx	-.012	4
61	MP2C	X	67.119	4
62	MP2C	Z	0	4
63	MP2C	Mx	-.017	4
64	MP1A	X	39.568	4
65	MP1A	Z	0	4
66	MP1A	Mx	.02	4
67	MP1B	X	69.159	4
68	MP1B	Z	0	4
69	MP1B	Mx	-.012	4
70	MP1C	X	64.701	4
71	MP1C	Z	0	4
72	MP1C	Mx	-.016	4
73	MP1A	X	86.304	1.5
74	MP1A	Z	0	1.5
75	MP1A	Mx	-.043	1.5
76	MP1A	X	86.304	7
77	MP1A	Z	0	7
78	MP1A	Mx	-.043	7
79	MP1B	X	158.952	1.5
80	MP1B	Z	0	1.5
81	MP1B	Mx	.027	1.5
82	MP1B	X	158.952	7
83	MP1B	Z	0	7
84	MP1B	Mx	.027	7
85	MP1C	X	148.008	1.5
86	MP1C	Z	0	1.5
87	MP1C	Mx	.037	1.5
88	MP1C	X	148.008	7
89	MP1C	Z	0	7
90	MP1C	Mx	.037	7
91	M131A	X	93.555	2.5
92	M131A	Z	0	2.5
93	M131A	Mx	0	2.5
94	M132	X	93.555	2.5
95	M132	Z	0	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	135.276	2
2	MP2A	Z	78.102	2
3	MP2A	Mx	-.016	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP2A	X	135.276	6
5	MP2A	Z	78.102	6
6	MP2A	Mx	-.016	6
7	MP2B	X	166.209	2
8	MP2B	Z	95.961	2
9	MP2B	Mx	-.143	2
10	MP2B	X	166.209	6
11	MP2B	Z	95.961	6
12	MP2B	Mx	-.143	6
13	MP2C	X	135.276	2
14	MP2C	Z	78.102	2
15	MP2C	Mx	.12	2
16	MP2C	X	135.276	6
17	MP2C	Z	78.102	6
18	MP2C	Mx	.12	6
19	MP2A	X	135.276	2
20	MP2A	Z	78.102	2
21	MP2A	Mx	-.12	2
22	MP2A	X	135.276	6
23	MP2A	Z	78.102	6
24	MP2A	Mx	-.12	6
25	MP2B	X	166.209	2
26	MP2B	Z	95.961	2
27	MP2B	Mx	.109	2
28	MP2B	X	166.209	6
29	MP2B	Z	95.961	6
30	MP2B	Mx	.109	6
31	MP2C	X	135.276	2
32	MP2C	Z	78.102	2
33	MP2C	Mx	.016	2
34	MP2C	X	135.276	6
35	MP2C	Z	78.102	6
36	MP2C	Mx	.016	6
37	MP3A	X	43.362	3
38	MP3A	Z	25.035	3
39	MP3A	Mx	-.022	3
40	MP3A	X	43.362	5
41	MP3A	Z	25.035	5
42	MP3A	Mx	-.022	5
43	MP3B	X	78.301	3
44	MP3B	Z	45.207	3
45	MP3B	Mx	-.008	3
46	MP3B	X	78.301	5
47	MP3B	Z	45.207	5
48	MP3B	Mx	-.008	5
49	MP3C	X	43.362	3
50	MP3C	Z	25.035	3
51	MP3C	Mx	.022	3
52	MP3C	X	43.362	5
53	MP3C	Z	25.035	5
54	MP3C	Mx	.022	5
55	MP2A	X	47.62	4
56	MP2A	Z	27.493	4
57	MP2A	Mx	.024	4
58	MP2B	X	62.747	4
59	MP2B	Z	36.227	4
60	MP2B	Mx	.006	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2C	X	47.62	4
62	MP2C	Z	27.493	4
63	MP2C	Mx	-.024	4
64	MP1A	X	41.522	4
65	MP1A	Z	23.973	4
66	MP1A	Mx	.021	4
67	MP1B	X	62.413	4
68	MP1B	Z	36.034	4
69	MP1B	Mx	.006	4
70	MP1C	X	41.522	4
71	MP1C	Z	23.973	4
72	MP1C	Mx	-.021	4
73	MP1A	X	92.554	1.5
74	MP1A	Z	53.436	1.5
75	MP1A	Mx	-.046	1.5
76	MP1A	X	92.554	7
77	MP1A	Z	53.436	7
78	MP1A	Mx	-.046	7
79	MP1B	X	143.843	1.5
80	MP1B	Z	83.048	1.5
81	MP1B	Mx	-.014	1.5
82	MP1B	X	143.843	7
83	MP1B	Z	83.048	7
84	MP1B	Mx	-.014	7
85	MP1C	X	92.554	1.5
86	MP1C	Z	53.436	1.5
87	MP1C	Mx	.046	1.5
88	MP1C	X	92.554	7
89	MP1C	Z	53.436	7
90	MP1C	Mx	.046	7
91	M131A	X	83.592	2.5
92	M131A	Z	48.262	2.5
93	M131A	Mx	0	2.5
94	M132	X	83.592	2.5
95	M132	Z	48.262	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	90.507	2
2	MP2A	Z	156.762	2
3	MP2A	Mx	.059	2
4	MP2A	X	90.507	6
5	MP2A	Z	156.762	6
6	MP2A	Mx	.059	6
7	MP2B	X	86.458	2
8	MP2B	Z	149.75	2
9	MP2B	Mx	-.144	2
10	MP2B	X	86.458	6
11	MP2B	Z	149.75	6
12	MP2B	Mx	-.144	6
13	MP2C	X	71.899	2
14	MP2C	Z	124.534	2
15	MP2C	Mx	.072	2
16	MP2C	X	71.899	6
17	MP2C	Z	124.534	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	.072	6
19	MP2A	X	90.507	2
20	MP2A	Z	156.762	2
21	MP2A	Mx	-.15	2
22	MP2A	X	90.507	6
23	MP2A	Z	156.762	6
24	MP2A	Mx	-.15	6
25	MP2B	X	86.458	2
26	MP2B	Z	149.75	2
27	MP2B	Mx	.033	2
28	MP2B	X	86.458	6
29	MP2B	Z	149.75	6
30	MP2B	Mx	.033	6
31	MP2C	X	71.899	2
32	MP2C	Z	124.534	2
33	MP2C	Mx	.072	2
34	MP2C	X	71.899	6
35	MP2C	Z	124.534	6
36	MP2C	Mx	.072	6
37	MP3A	X	39.046	3
38	MP3A	Z	67.63	3
39	MP3A	Mx	-.02	3
40	MP3A	X	39.046	5
41	MP3A	Z	67.63	5
42	MP3A	Mx	-.02	5
43	MP3B	X	34.474	3
44	MP3B	Z	59.71	3
45	MP3B	Mx	-.022	3
46	MP3B	X	34.474	5
47	MP3B	Z	59.71	5
48	MP3B	Mx	-.022	5
49	MP3C	X	18.029	3
50	MP3C	Z	31.228	3
51	MP3C	Mx	.018	3
52	MP3C	X	18.029	5
53	MP3C	Z	31.228	5
54	MP3C	Mx	.018	5
55	MP2A	X	33.56	4
56	MP2A	Z	58.127	4
57	MP2A	Mx	.017	4
58	MP2B	X	31.58	4
59	MP2B	Z	54.698	4
60	MP2B	Mx	.02	4
61	MP2C	X	24.46	4
62	MP2C	Z	42.367	4
63	MP2C	Mx	-.024	4
64	MP1A	X	32.351	4
65	MP1A	Z	56.033	4
66	MP1A	Mx	.016	4
67	MP1B	X	29.616	4
68	MP1B	Z	51.297	4
69	MP1B	Mx	.019	4
70	MP1C	X	19.784	4
71	MP1C	Z	34.267	4
72	MP1C	Mx	-.02	4
73	MP1A	X	74.004	1.5
74	MP1A	Z	128.179	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP1A	Mx	-.037	1.5
76	MP1A	X	74.004	7
77	MP1A	Z	128.179	7
78	MP1A	Mx	-.037	7
79	MP1B	X	67.292	1.5
80	MP1B	Z	116.552	1.5
81	MP1B	Mx	-.043	1.5
82	MP1B	X	67.292	7
83	MP1B	Z	116.552	7
84	MP1B	Mx	-.043	7
85	MP1C	X	43.152	1.5
86	MP1C	Z	74.741	1.5
87	MP1C	Mx	.043	1.5
88	MP1C	X	43.152	7
89	MP1C	Z	74.741	7
90	MP1C	Mx	.043	7
91	M131A	X	41.712	2.5
92	M131A	Z	72.247	2.5
93	M131A	Mx	0	2.5
94	M132	X	41.712	2.5
95	M132	Z	72.247	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2
2	MP2A	Z	193.418	2
3	MP2A	Mx	.129	2
4	MP2A	X	0	6
5	MP2A	Z	193.418	6
6	MP2A	Mx	.129	6
7	MP2B	X	0	2
8	MP2B	Z	149.603	2
9	MP2B	Mx	-.104	2
10	MP2B	X	0	6
11	MP2B	Z	149.603	6
12	MP2B	Mx	-.104	6
13	MP2C	X	0	2
14	MP2C	Z	156.204	2
15	MP2C	Mx	.016	2
16	MP2C	X	0	6
17	MP2C	Z	156.204	6
18	MP2C	Mx	.016	6
19	MP2A	X	0	2
20	MP2A	Z	193.418	2
21	MP2A	Mx	-.129	2
22	MP2A	X	0	6
23	MP2A	Z	193.418	6
24	MP2A	Mx	-.129	6
25	MP2B	X	0	2
26	MP2B	Z	149.603	2
27	MP2B	Mx	-.036	2
28	MP2B	X	0	6
29	MP2B	Z	149.603	6
30	MP2B	Mx	-.036	6
31	MP2C	X	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	156.204	2
33	MP2C	Mx	.12	2
34	MP2C	X	0	6
35	MP2C	Z	156.204	6
36	MP2C	Mx	.12	6
37	MP3A	X	0	3
38	MP3A	Z	92.104	3
39	MP3A	Mx	0	3
40	MP3A	X	0	5
41	MP3A	Z	92.104	5
42	MP3A	Mx	0	5
43	MP3B	X	0	3
44	MP3B	Z	42.615	3
45	MP3B	Mx	-.02	3
46	MP3B	X	0	5
47	MP3B	Z	42.615	5
48	MP3B	Mx	-.02	5
49	MP3C	X	0	3
50	MP3C	Z	50.07	3
51	MP3C	Mx	.022	3
52	MP3C	X	0	5
53	MP3C	Z	50.07	5
54	MP3C	Mx	.022	5
55	MP2A	X	0	4
56	MP2A	Z	73.185	4
57	MP2A	Mx	0	4
58	MP2B	X	0	4
59	MP2B	Z	51.759	4
60	MP2B	Mx	.024	4
61	MP2C	X	0	4
62	MP2C	Z	54.987	4
63	MP2C	Mx	-.024	4
64	MP1A	X	0	4
65	MP1A	Z	73.079	4
66	MP1A	Mx	0	4
67	MP1B	X	0	4
68	MP1B	Z	43.488	4
69	MP1B	Mx	.02	4
70	MP1C	X	0	4
71	MP1C	Z	47.946	4
72	MP1C	Mx	-.021	4
73	MP1A	X	0	1.5
74	MP1A	Z	168.576	1.5
75	MP1A	Mx	0	1.5
76	MP1A	X	0	7
77	MP1A	Z	168.576	7
78	MP1A	Mx	0	7
79	MP1B	X	0	1.5
80	MP1B	Z	95.928	1.5
81	MP1B	Mx	-.045	1.5
82	MP1B	X	0	7
83	MP1B	Z	95.928	7
84	MP1B	Mx	-.045	7
85	MP1C	X	0	1.5
86	MP1C	Z	106.872	1.5
87	MP1C	Mx	.046	1.5
88	MP1C	X	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1C	Z	106.872	7
90	MP1C	Mx	.046	7
91	M131A	X	0	2.5
92	M131A	Z	67.354	2.5
93	M131A	Mx	0	2.5
94	M132	X	0	2.5
95	M132	Z	67.354	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-90.507	2
2	MP2A	Z	156.762	2
3	MP2A	Mx	.15	2
4	MP2A	X	-90.507	6
5	MP2A	Z	156.762	6
6	MP2A	Mx	.15	6
7	MP2B	X	-72.648	2
8	MP2B	Z	125.829	2
9	MP2B	Mx	-.055	2
10	MP2B	X	-72.648	6
11	MP2B	Z	125.829	6
12	MP2B	Mx	-.055	6
13	MP2C	X	-90.507	2
14	MP2C	Z	156.762	2
15	MP2C	Mx	-.059	2
16	MP2C	X	-90.507	6
17	MP2C	Z	156.762	6
18	MP2C	Mx	-.059	6
19	MP2A	X	-90.507	2
20	MP2A	Z	156.762	2
21	MP2A	Mx	-.059	2
22	MP2A	X	-90.507	6
23	MP2A	Z	156.762	6
24	MP2A	Mx	-.059	6
25	MP2B	X	-72.648	2
26	MP2B	Z	125.829	2
27	MP2B	Mx	-.088	2
28	MP2B	X	-72.648	6
29	MP2B	Z	125.829	6
30	MP2B	Mx	-.088	6
31	MP2C	X	-90.507	2
32	MP2C	Z	156.762	2
33	MP2C	Mx	.15	2
34	MP2C	X	-90.507	6
35	MP2C	Z	156.762	6
36	MP2C	Mx	.15	6
37	MP3A	X	-39.046	3
38	MP3A	Z	67.63	3
39	MP3A	Mx	.02	3
40	MP3A	X	-39.046	5
41	MP3A	Z	67.63	5
42	MP3A	Mx	.02	5
43	MP3B	X	-18.874	3
44	MP3B	Z	32.691	3
45	MP3B	Mx	-.019	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP3B	X	-18.874	5
47	MP3B	Z	32.691	5
48	MP3B	Mx	-.019	5
49	MP3C	X	-39.046	3
50	MP3C	Z	67.63	3
51	MP3C	Mx	.02	3
52	MP3C	X	-39.046	5
53	MP3C	Z	67.63	5
54	MP3C	Mx	.02	5
55	MP2A	X	-33.56	4
56	MP2A	Z	58.127	4
57	MP2A	Mx	-.017	4
58	MP2B	X	-24.826	4
59	MP2B	Z	43	4
60	MP2B	Mx	.024	4
61	MP2C	X	-33.56	4
62	MP2C	Z	58.127	4
63	MP2C	Mx	-.017	4
64	MP1A	X	-32.351	4
65	MP1A	Z	56.033	4
66	MP1A	Mx	-.016	4
67	MP1B	X	-20.289	4
68	MP1B	Z	35.142	4
69	MP1B	Mx	.02	4
70	MP1C	X	-32.351	4
71	MP1C	Z	56.033	4
72	MP1C	Mx	-.016	4
73	MP1A	X	-74.004	1.5
74	MP1A	Z	128.179	1.5
75	MP1A	Mx	.037	1.5
76	MP1A	X	-74.004	7
77	MP1A	Z	128.179	7
78	MP1A	Mx	.037	7
79	MP1B	X	-44.392	1.5
80	MP1B	Z	76.89	1.5
81	MP1B	Mx	-.044	1.5
82	MP1B	X	-44.392	7
83	MP1B	Z	76.89	7
84	MP1B	Mx	-.044	7
85	MP1C	X	-74.004	1.5
86	MP1C	Z	128.179	1.5
87	MP1C	Mx	.037	1.5
88	MP1C	X	-74.004	7
89	MP1C	Z	128.179	7
90	MP1C	Mx	.037	7
91	M131A	X	-32.192	2.5
92	M131A	Z	55.758	2.5
93	M131A	Mx	0	2.5
94	M132	X	-32.192	2.5
95	M132	Z	55.758	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-135.276	2
2	MP2A	Z	78.102	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	.12	2
4	MP2A	X	-135.276	6
5	MP2A	Z	78.102	6
6	MP2A	Mx	.12	6
7	MP2B	X	-142.288	2
8	MP2B	Z	82.15	2
9	MP2B	Mx	.007	2
10	MP2B	X	-142.288	6
11	MP2B	Z	82.15	6
12	MP2B	Mx	.007	6
13	MP2C	X	-167.505	2
14	MP2C	Z	96.709	2
15	MP2C	Mx	-.129	2
16	MP2C	X	-167.505	6
17	MP2C	Z	96.709	6
18	MP2C	Mx	-.129	6
19	MP2A	X	-135.276	2
20	MP2A	Z	78.102	2
21	MP2A	Mx	.016	2
22	MP2A	X	-135.276	6
23	MP2A	Z	78.102	6
24	MP2A	Mx	.016	6
25	MP2B	X	-142.288	2
26	MP2B	Z	82.15	2
27	MP2B	Mx	-.133	2
28	MP2B	X	-142.288	6
29	MP2B	Z	82.15	6
30	MP2B	Mx	-.133	6
31	MP2C	X	-167.505	2
32	MP2C	Z	96.709	2
33	MP2C	Mx	.129	2
34	MP2C	X	-167.505	6
35	MP2C	Z	96.709	6
36	MP2C	Mx	.129	6
37	MP3A	X	-43.362	3
38	MP3A	Z	25.035	3
39	MP3A	Mx	.022	3
40	MP3A	X	-43.362	5
41	MP3A	Z	25.035	5
42	MP3A	Mx	.022	5
43	MP3B	X	-51.282	3
44	MP3B	Z	29.608	3
45	MP3B	Mx	-.023	3
46	MP3B	X	-51.282	5
47	MP3B	Z	29.608	5
48	MP3B	Mx	-.023	5
49	MP3C	X	-79.764	3
50	MP3C	Z	46.052	3
51	MP3C	Mx	0	3
52	MP3C	X	-79.764	5
53	MP3C	Z	46.052	5
54	MP3C	Mx	0	5
55	MP2A	X	-47.62	4
56	MP2A	Z	27.493	4
57	MP2A	Mx	-.024	4
58	MP2B	X	-51.049	4
59	MP2B	Z	29.473	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2B	Mx	.023	4
61	MP2C	X	-63.38	4
62	MP2C	Z	36.593	4
63	MP2C	Mx	0	4
64	MP1A	X	-41.522	4
65	MP1A	Z	23.973	4
66	MP1A	Mx	-.021	4
67	MP1B	X	-46.258	4
68	MP1B	Z	26.707	4
69	MP1B	Mx	.02	4
70	MP1C	X	-63.288	4
71	MP1C	Z	36.539	4
72	MP1C	Mx	0	4
73	MP1A	X	-92.554	1.5
74	MP1A	Z	53.436	1.5
75	MP1A	Mx	.046	1.5
76	MP1A	X	-92.554	7
77	MP1A	Z	53.436	7
78	MP1A	Mx	.046	7
79	MP1B	X	-104.18	1.5
80	MP1B	Z	60.148	1.5
81	MP1B	Mx	-.046	1.5
82	MP1B	X	-104.18	7
83	MP1B	Z	60.148	7
84	MP1B	Mx	-.046	7
85	MP1C	X	-145.991	1.5
86	MP1C	Z	84.288	1.5
87	MP1C	Mx	0	1.5
88	MP1C	X	-145.991	7
89	MP1C	Z	84.288	7
90	MP1C	Mx	0	7
91	M131A	X	-67.104	2.5
92	M131A	Z	38.742	2.5
93	M131A	Mx	0	2.5
94	M132	X	-67.104	2.5
95	M132	Z	38.742	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-143.799	2
2	MP2A	Z	0	2
3	MP2A	Mx	.072	2
4	MP2A	X	-143.799	6
5	MP2A	Z	0	6
6	MP2A	Mx	.072	6
7	MP2B	X	-187.614	2
8	MP2B	Z	0	2
9	MP2B	Mx	.085	2
10	MP2B	X	-187.614	6
11	MP2B	Z	0	6
12	MP2B	Mx	.085	6
13	MP2C	X	-181.013	2
14	MP2C	Z	0	2
15	MP2C	Mx	-.15	2
16	MP2C	X	-181.013	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	0	6
18	MP2C	Mx	-.15	6
19	MP2A	X	-143.799	2
20	MP2A	Z	0	2
21	MP2A	Mx	.072	2
22	MP2A	X	-143.799	6
23	MP2A	Z	0	6
24	MP2A	Mx	.072	6
25	MP2B	X	-187.614	2
26	MP2B	Z	0	2
27	MP2B	Mx	-.15	2
28	MP2B	X	-187.614	6
29	MP2B	Z	0	6
30	MP2B	Mx	-.15	6
31	MP2C	X	-181.013	2
32	MP2C	Z	0	2
33	MP2C	Mx	.059	2
34	MP2C	X	-181.013	6
35	MP2C	Z	0	6
36	MP2C	Mx	.059	6
37	MP3A	X	-36.059	3
38	MP3A	Z	0	3
39	MP3A	Mx	.018	3
40	MP3A	X	-36.059	5
41	MP3A	Z	0	5
42	MP3A	Mx	.018	5
43	MP3B	X	-85.548	3
44	MP3B	Z	0	3
45	MP3B	Mx	-.015	3
46	MP3B	X	-85.548	5
47	MP3B	Z	0	5
48	MP3B	Mx	-.015	5
49	MP3C	X	-78.093	3
50	MP3C	Z	0	3
51	MP3C	Mx	-.02	3
52	MP3C	X	-78.093	5
53	MP3C	Z	0	5
54	MP3C	Mx	-.02	5
55	MP2A	X	-48.921	4
56	MP2A	Z	0	4
57	MP2A	Mx	-.024	4
58	MP2B	X	-70.347	4
59	MP2B	Z	0	4
60	MP2B	Mx	.012	4
61	MP2C	X	-67.119	4
62	MP2C	Z	0	4
63	MP2C	Mx	.017	4
64	MP1A	X	-39.568	4
65	MP1A	Z	0	4
66	MP1A	Mx	-.02	4
67	MP1B	X	-69.159	4
68	MP1B	Z	0	4
69	MP1B	Mx	.012	4
70	MP1C	X	-64.701	4
71	MP1C	Z	0	4
72	MP1C	Mx	.016	4
73	MP1A	X	-86.304	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1A	Z	0	1.5
75	MP1A	Mx	.043	1.5
76	MP1A	X	-86.304	7
77	MP1A	Z	0	7
78	MP1A	Mx	.043	7
79	MP1B	X	-158.952	1.5
80	MP1B	Z	0	1.5
81	MP1B	Mx	-.027	1.5
82	MP1B	X	-158.952	7
83	MP1B	Z	0	7
84	MP1B	Mx	-.027	7
85	MP1C	X	-148.008	1.5
86	MP1C	Z	0	1.5
87	MP1C	Mx	-.037	1.5
88	MP1C	X	-148.008	7
89	MP1C	Z	0	7
90	MP1C	Mx	-.037	7
91	M131A	X	-93.555	2.5
92	M131A	Z	0	2.5
93	M131A	Mx	0	2.5
94	M132	X	-93.555	2.5
95	M132	Z	0	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-135.276	2
2	MP2A	Z	-78.102	2
3	MP2A	Mx	.016	2
4	MP2A	X	-135.276	6
5	MP2A	Z	-78.102	6
6	MP2A	Mx	.016	6
7	MP2B	X	-166.209	2
8	MP2B	Z	-95.961	2
9	MP2B	Mx	.143	2
10	MP2B	X	-166.209	6
11	MP2B	Z	-95.961	6
12	MP2B	Mx	.143	6
13	MP2C	X	-135.276	2
14	MP2C	Z	-78.102	2
15	MP2C	Mx	-.12	2
16	MP2C	X	-135.276	6
17	MP2C	Z	-78.102	6
18	MP2C	Mx	-.12	6
19	MP2A	X	-135.276	2
20	MP2A	Z	-78.102	2
21	MP2A	Mx	.12	2
22	MP2A	X	-135.276	6
23	MP2A	Z	-78.102	6
24	MP2A	Mx	.12	6
25	MP2B	X	-166.209	2
26	MP2B	Z	-95.961	2
27	MP2B	Mx	-.109	2
28	MP2B	X	-166.209	6
29	MP2B	Z	-95.961	6
30	MP2B	Mx	-.109	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2C	X	-135.276	2
32	MP2C	Z	-78.102	2
33	MP2C	Mx	-.016	2
34	MP2C	X	-135.276	6
35	MP2C	Z	-78.102	6
36	MP2C	Mx	-.016	6
37	MP3A	X	-43.362	3
38	MP3A	Z	-25.035	3
39	MP3A	Mx	.022	3
40	MP3A	X	-43.362	5
41	MP3A	Z	-25.035	5
42	MP3A	Mx	.022	5
43	MP3B	X	-78.301	3
44	MP3B	Z	-45.207	3
45	MP3B	Mx	.008	3
46	MP3B	X	-78.301	5
47	MP3B	Z	-45.207	5
48	MP3B	Mx	.008	5
49	MP3C	X	-43.362	3
50	MP3C	Z	-25.035	3
51	MP3C	Mx	-.022	3
52	MP3C	X	-43.362	5
53	MP3C	Z	-25.035	5
54	MP3C	Mx	-.022	5
55	MP2A	X	-47.62	4
56	MP2A	Z	-27.493	4
57	MP2A	Mx	-.024	4
58	MP2B	X	-62.747	4
59	MP2B	Z	-36.227	4
60	MP2B	Mx	-.006	4
61	MP2C	X	-47.62	4
62	MP2C	Z	-27.493	4
63	MP2C	Mx	.024	4
64	MP1A	X	-41.522	4
65	MP1A	Z	-23.973	4
66	MP1A	Mx	-.021	4
67	MP1B	X	-62.413	4
68	MP1B	Z	-36.034	4
69	MP1B	Mx	-.006	4
70	MP1C	X	-41.522	4
71	MP1C	Z	-23.973	4
72	MP1C	Mx	.021	4
73	MP1A	X	-92.554	1.5
74	MP1A	Z	-53.436	1.5
75	MP1A	Mx	.046	1.5
76	MP1A	X	-92.554	7
77	MP1A	Z	-53.436	7
78	MP1A	Mx	.046	7
79	MP1B	X	-143.843	1.5
80	MP1B	Z	-83.048	1.5
81	MP1B	Mx	.014	1.5
82	MP1B	X	-143.843	7
83	MP1B	Z	-83.048	7
84	MP1B	Mx	.014	7
85	MP1C	X	-92.554	1.5
86	MP1C	Z	-53.436	1.5
87	MP1C	Mx	-.046	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP1C	X	-92.554	7
89	MP1C	Z	-53.436	7
90	MP1C	Mx	-.046	7
91	M131A	X	-83.592	2.5
92	M131A	Z	-48.262	2.5
93	M131A	Mx	0	2.5
94	M132	X	-83.592	2.5
95	M132	Z	-48.262	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-90.507	2
2	MP2A	Z	-156.762	2
3	MP2A	Mx	-.059	2
4	MP2A	X	-90.507	6
5	MP2A	Z	-156.762	6
6	MP2A	Mx	-.059	6
7	MP2B	X	-86.458	2
8	MP2B	Z	-149.75	2
9	MP2B	Mx	.144	2
10	MP2B	X	-86.458	6
11	MP2B	Z	-149.75	6
12	MP2B	Mx	.144	6
13	MP2C	X	-71.899	2
14	MP2C	Z	-124.534	2
15	MP2C	Mx	-.072	2
16	MP2C	X	-71.899	6
17	MP2C	Z	-124.534	6
18	MP2C	Mx	-.072	6
19	MP2A	X	-90.507	2
20	MP2A	Z	-156.762	2
21	MP2A	Mx	.15	2
22	MP2A	X	-90.507	6
23	MP2A	Z	-156.762	6
24	MP2A	Mx	.15	6
25	MP2B	X	-86.458	2
26	MP2B	Z	-149.75	2
27	MP2B	Mx	-.033	2
28	MP2B	X	-86.458	6
29	MP2B	Z	-149.75	6
30	MP2B	Mx	-.033	6
31	MP2C	X	-71.899	2
32	MP2C	Z	-124.534	2
33	MP2C	Mx	-.072	2
34	MP2C	X	-71.899	6
35	MP2C	Z	-124.534	6
36	MP2C	Mx	-.072	6
37	MP3A	X	-39.046	3
38	MP3A	Z	-67.63	3
39	MP3A	Mx	.02	3
40	MP3A	X	-39.046	5
41	MP3A	Z	-67.63	5
42	MP3A	Mx	.02	5
43	MP3B	X	-34.474	3
44	MP3B	Z	-59.71	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	.022	3
46	MP3B	X	-34.474	5
47	MP3B	Z	-59.71	5
48	MP3B	Mx	.022	5
49	MP3C	X	-18.029	3
50	MP3C	Z	-31.228	3
51	MP3C	Mx	-.018	3
52	MP3C	X	-18.029	5
53	MP3C	Z	-31.228	5
54	MP3C	Mx	-.018	5
55	MP2A	X	-33.56	4
56	MP2A	Z	-58.127	4
57	MP2A	Mx	-.017	4
58	MP2B	X	-31.58	4
59	MP2B	Z	-54.698	4
60	MP2B	Mx	-.02	4
61	MP2C	X	-24.46	4
62	MP2C	Z	-42.367	4
63	MP2C	Mx	.024	4
64	MP1A	X	-32.351	4
65	MP1A	Z	-56.033	4
66	MP1A	Mx	-.016	4
67	MP1B	X	-29.616	4
68	MP1B	Z	-51.297	4
69	MP1B	Mx	-.019	4
70	MP1C	X	-19.784	4
71	MP1C	Z	-34.267	4
72	MP1C	Mx	.02	4
73	MP1A	X	-74.004	1.5
74	MP1A	Z	-128.179	1.5
75	MP1A	Mx	.037	1.5
76	MP1A	X	-74.004	7
77	MP1A	Z	-128.179	7
78	MP1A	Mx	.037	7
79	MP1B	X	-67.292	1.5
80	MP1B	Z	-116.552	1.5
81	MP1B	Mx	.043	1.5
82	MP1B	X	-67.292	7
83	MP1B	Z	-116.552	7
84	MP1B	Mx	.043	7
85	MP1C	X	-43.152	1.5
86	MP1C	Z	-74.741	1.5
87	MP1C	Mx	-.043	1.5
88	MP1C	X	-43.152	7
89	MP1C	Z	-74.741	7
90	MP1C	Mx	-.043	7
91	M131A	X	-41.712	2.5
92	M131A	Z	-72.247	2.5
93	M131A	Mx	0	2.5
94	M132	X	-41.712	2.5
95	M132	Z	-72.247	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Z	-39.889	2
3	MP2A	Mx	-.027	2
4	MP2A	X	0	6
5	MP2A	Z	-39.889	6
6	MP2A	Mx	-.027	6
7	MP2B	X	0	2
8	MP2B	Z	-31.315	2
9	MP2B	Mx	.022	2
10	MP2B	X	0	6
11	MP2B	Z	-31.315	6
12	MP2B	Mx	.022	6
13	MP2C	X	0	2
14	MP2C	Z	-32.607	2
15	MP2C	Mx	-.003	2
16	MP2C	X	0	6
17	MP2C	Z	-32.607	6
18	MP2C	Mx	-.003	6
19	MP2A	X	0	2
20	MP2A	Z	-39.889	2
21	MP2A	Mx	.027	2
22	MP2A	X	0	6
23	MP2A	Z	-39.889	6
24	MP2A	Mx	.027	6
25	MP2B	X	0	2
26	MP2B	Z	-31.315	2
27	MP2B	Mx	.008	2
28	MP2B	X	0	6
29	MP2B	Z	-31.315	6
30	MP2B	Mx	.008	6
31	MP2C	X	0	2
32	MP2C	Z	-32.607	2
33	MP2C	Mx	-.025	2
34	MP2C	X	0	6
35	MP2C	Z	-32.607	6
36	MP2C	Mx	-.025	6
37	MP3A	X	0	3
38	MP3A	Z	-19.682	3
39	MP3A	Mx	0	3
40	MP3A	X	0	5
41	MP3A	Z	-19.682	5
42	MP3A	Mx	0	5
43	MP3B	X	0	3
44	MP3B	Z	-9.709	3
45	MP3B	Mx	.005	3
46	MP3B	X	0	5
47	MP3B	Z	-9.709	5
48	MP3B	Mx	.005	5
49	MP3C	X	0	3
50	MP3C	Z	-11.211	3
51	MP3C	Mx	-.005	3
52	MP3C	X	0	5
53	MP3C	Z	-11.211	5
54	MP3C	Mx	-.005	5
55	MP2A	X	0	4
56	MP2A	Z	-16.567	4
57	MP2A	Mx	0	4
58	MP2B	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP2B	Z	-12.116	4
60	MP2B	Mx	-.006	4
61	MP2C	X	0	4
62	MP2C	Z	-12.786	4
63	MP2C	Mx	.006	4
64	MP1A	X	0	4
65	MP1A	Z	-16.541	4
66	MP1A	Mx	0	4
67	MP1B	X	0	4
68	MP1B	Z	-10.408	4
69	MP1B	Mx	-.005	4
70	MP1C	X	0	4
71	MP1C	Z	-11.332	4
72	MP1C	Mx	.005	4
73	MP1A	X	0	1.5
74	MP1A	Z	-36.371	1.5
75	MP1A	Mx	0	1.5
76	MP1A	X	0	7
77	MP1A	Z	-36.371	7
78	MP1A	Mx	0	7
79	MP1B	X	0	1.5
80	MP1B	Z	-21.226	1.5
81	MP1B	Mx	.01	1.5
82	MP1B	X	0	7
83	MP1B	Z	-21.226	7
84	MP1B	Mx	.01	7
85	MP1C	X	0	1.5
86	MP1C	Z	-23.507	1.5
87	MP1C	Mx	-.01	1.5
88	MP1C	X	0	7
89	MP1C	Z	-23.507	7
90	MP1C	Mx	-.01	7
91	M131A	X	0	2.5
92	M131A	Z	-15.41	2.5
93	M131A	Mx	0	2.5
94	M132	X	0	2.5
95	M132	Z	-15.41	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	18.731	2
2	MP2A	Z	-32.443	2
3	MP2A	Mx	-.031	2
4	MP2A	X	18.731	6
5	MP2A	Z	-32.443	6
6	MP2A	Mx	-.031	6
7	MP2B	X	15.236	2
8	MP2B	Z	-26.39	2
9	MP2B	Mx	.011	2
10	MP2B	X	15.236	6
11	MP2B	Z	-26.39	6
12	MP2B	Mx	.011	6
13	MP2C	X	18.731	2
14	MP2C	Z	-32.443	2
15	MP2C	Mx	.012	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP2C	X	18.731	6
17	MP2C	Z	-32.443	6
18	MP2C	Mx	.012	6
19	MP2A	X	18.731	2
20	MP2A	Z	-32.443	2
21	MP2A	Mx	.012	2
22	MP2A	X	18.731	6
23	MP2A	Z	-32.443	6
24	MP2A	Mx	.012	6
25	MP2B	X	15.236	2
26	MP2B	Z	-26.39	2
27	MP2B	Mx	.019	2
28	MP2B	X	15.236	6
29	MP2B	Z	-26.39	6
30	MP2B	Mx	.019	6
31	MP2C	X	18.731	2
32	MP2C	Z	-32.443	2
33	MP2C	Mx	-.031	2
34	MP2C	X	18.731	6
35	MP2C	Z	-32.443	6
36	MP2C	Mx	-.031	6
37	MP3A	X	8.429	3
38	MP3A	Z	-14.6	3
39	MP3A	Mx	-.004	3
40	MP3A	X	8.429	5
41	MP3A	Z	-14.6	5
42	MP3A	Mx	-.004	5
43	MP3B	X	4.364	3
44	MP3B	Z	-7.559	3
45	MP3B	Mx	.004	3
46	MP3B	X	4.364	5
47	MP3B	Z	-7.559	5
48	MP3B	Mx	.004	5
49	MP3C	X	8.429	3
50	MP3C	Z	-14.6	3
51	MP3C	Mx	-.004	3
52	MP3C	X	8.429	5
53	MP3C	Z	-14.6	5
54	MP3C	Mx	-.004	5
55	MP2A	X	7.653	4
56	MP2A	Z	-13.256	4
57	MP2A	Mx	.004	4
58	MP2B	X	5.839	4
59	MP2B	Z	-10.114	4
60	MP2B	Mx	-.006	4
61	MP2C	X	7.653	4
62	MP2C	Z	-13.256	4
63	MP2C	Mx	.004	4
64	MP1A	X	7.402	4
65	MP1A	Z	-12.821	4
66	MP1A	Mx	.004	4
67	MP1B	X	4.902	4
68	MP1B	Z	-8.491	4
69	MP1B	Mx	-.005	4
70	MP1C	X	7.402	4
71	MP1C	Z	-12.821	4
72	MP1C	Mx	.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP1A	X	16.042	1.5
74	MP1A	Z	-27.785	1.5
75	MP1A	Mx	-.008	1.5
76	MP1A	X	16.042	7
77	MP1A	Z	-27.785	7
78	MP1A	Mx	-.008	7
79	MP1B	X	9.868	1.5
80	MP1B	Z	-17.092	1.5
81	MP1B	Mx	.01	1.5
82	MP1B	X	9.868	7
83	MP1B	Z	-17.092	7
84	MP1B	Mx	.01	7
85	MP1C	X	16.042	1.5
86	MP1C	Z	-27.785	1.5
87	MP1C	Mx	-.008	1.5
88	MP1C	X	16.042	7
89	MP1C	Z	-27.785	7
90	MP1C	Mx	-.008	7
91	M131A	X	7.405	2.5
92	M131A	Z	-12.826	2.5
93	M131A	Mx	0	2.5
94	M132	X	7.405	2.5
95	M132	Z	-12.826	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	28.238	2
2	MP2A	Z	-16.303	2
3	MP2A	Mx	-.025	2
4	MP2A	X	28.238	6
5	MP2A	Z	-16.303	6
6	MP2A	Mx	-.025	6
7	MP2B	X	29.61	2
8	MP2B	Z	-17.096	2
9	MP2B	Mx	-.002	2
10	MP2B	X	29.61	6
11	MP2B	Z	-17.096	6
12	MP2B	Mx	-.002	6
13	MP2C	X	34.545	2
14	MP2C	Z	-19.945	2
15	MP2C	Mx	.027	2
16	MP2C	X	34.545	6
17	MP2C	Z	-19.945	6
18	MP2C	Mx	.027	6
19	MP2A	X	28.238	2
20	MP2A	Z	-16.303	2
21	MP2A	Mx	-.003	2
22	MP2A	X	28.238	6
23	MP2A	Z	-16.303	6
24	MP2A	Mx	-.003	6
25	MP2B	X	29.61	2
26	MP2B	Z	-17.096	2
27	MP2B	Mx	.028	2
28	MP2B	X	29.61	6
29	MP2B	Z	-17.096	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2B	Mx	.028	6
31	MP2C	X	34.545	2
32	MP2C	Z	-19.945	2
33	MP2C	Mx	-.027	2
34	MP2C	X	34.545	6
35	MP2C	Z	-19.945	6
36	MP2C	Mx	-.027	6
37	MP3A	X	9.709	3
38	MP3A	Z	-5.606	3
39	MP3A	Mx	-.005	3
40	MP3A	X	9.709	5
41	MP3A	Z	-5.606	5
42	MP3A	Mx	-.005	5
43	MP3B	X	11.305	3
44	MP3B	Z	-6.527	3
45	MP3B	Mx	.005	3
46	MP3B	X	11.305	5
47	MP3B	Z	-6.527	5
48	MP3B	Mx	.005	5
49	MP3C	X	17.045	3
50	MP3C	Z	-9.841	3
51	MP3C	Mx	0	3
52	MP3C	X	17.045	5
53	MP3C	Z	-9.841	5
54	MP3C	Mx	0	5
55	MP2A	X	11.073	4
56	MP2A	Z	-6.393	4
57	MP2A	Mx	.006	4
58	MP2B	X	11.786	4
59	MP2B	Z	-6.805	4
60	MP2B	Mx	-.005	4
61	MP2C	X	14.348	4
62	MP2C	Z	-8.284	4
63	MP2C	Mx	0	4
64	MP1A	X	9.813	4
65	MP1A	Z	-5.666	4
66	MP1A	Mx	.005	4
67	MP1B	X	10.795	4
68	MP1B	Z	-6.232	4
69	MP1B	Mx	-.005	4
70	MP1C	X	14.325	4
71	MP1C	Z	-8.271	4
72	MP1C	Mx	0	4
73	MP1A	X	20.358	1.5
74	MP1A	Z	-11.754	1.5
75	MP1A	Mx	-.01	1.5
76	MP1A	X	20.358	7
77	MP1A	Z	-11.754	7
78	MP1A	Mx	-.01	7
79	MP1B	X	22.782	1.5
80	MP1B	Z	-13.153	1.5
81	MP1B	Mx	.01	1.5
82	MP1B	X	22.782	7
83	MP1B	Z	-13.153	7
84	MP1B	Mx	.01	7
85	MP1C	X	31.498	1.5
86	MP1C	Z	-18.186	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP1C	Mx	0	1.5
88	MP1C	X	31.498	7
89	MP1C	Z	-18.186	7
90	MP1C	Mx	0	7
91	M131A	X	15.119	2.5
92	M131A	Z	-8.729	2.5
93	M131A	Mx	0	2.5
94	M132	X	15.119	2.5
95	M132	Z	-8.729	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	30.179	2
2	MP2A	Z	0	2
3	MP2A	Mx	-.015	2
4	MP2A	X	30.179	6
5	MP2A	Z	0	6
6	MP2A	Mx	-.015	6
7	MP2B	X	38.753	2
8	MP2B	Z	0	2
9	MP2B	Mx	-.018	2
10	MP2B	X	38.753	6
11	MP2B	Z	0	6
12	MP2B	Mx	-.018	6
13	MP2C	X	37.462	2
14	MP2C	Z	0	2
15	MP2C	Mx	.031	2
16	MP2C	X	37.462	6
17	MP2C	Z	0	6
18	MP2C	Mx	.031	6
19	MP2A	X	30.179	2
20	MP2A	Z	0	2
21	MP2A	Mx	-.015	2
22	MP2A	X	30.179	6
23	MP2A	Z	0	6
24	MP2A	Mx	-.015	6
25	MP2B	X	38.753	2
26	MP2B	Z	0	2
27	MP2B	Mx	.031	2
28	MP2B	X	38.753	6
29	MP2B	Z	0	6
30	MP2B	Mx	.031	6
31	MP2C	X	37.462	2
32	MP2C	Z	0	2
33	MP2C	Mx	-.012	2
34	MP2C	X	37.462	6
35	MP2C	Z	0	6
36	MP2C	Mx	-.012	6
37	MP3A	X	8.388	3
38	MP3A	Z	0	3
39	MP3A	Mx	-.004	3
40	MP3A	X	8.388	5
41	MP3A	Z	0	5
42	MP3A	Mx	-.004	5
43	MP3B	X	18.361	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3B	Z	0	3
45	MP3B	Mx	.003	3
46	MP3B	X	18.361	5
47	MP3B	Z	0	5
48	MP3B	Mx	.003	5
49	MP3C	X	16.858	3
50	MP3C	Z	0	3
51	MP3C	Mx	.004	3
52	MP3C	X	16.858	5
53	MP3C	Z	0	5
54	MP3C	Mx	.004	5
55	MP2A	X	11.526	4
56	MP2A	Z	0	4
57	MP2A	Mx	.006	4
58	MP2B	X	15.977	4
59	MP2B	Z	0	4
60	MP2B	Mx	-.003	4
61	MP2C	X	15.307	4
62	MP2C	Z	0	4
63	MP2C	Mx	-.004	4
64	MP1A	X	9.595	4
65	MP1A	Z	0	4
66	MP1A	Mx	.005	4
67	MP1B	X	15.728	4
68	MP1B	Z	0	4
69	MP1B	Mx	-.003	4
70	MP1C	X	14.805	4
71	MP1C	Z	0	4
72	MP1C	Mx	-.004	4
73	MP1A	X	19.219	1.5
74	MP1A	Z	0	1.5
75	MP1A	Mx	-.01	1.5
76	MP1A	X	19.219	7
77	MP1A	Z	0	7
78	MP1A	Mx	-.01	7
79	MP1B	X	34.365	1.5
80	MP1B	Z	0	1.5
81	MP1B	Mx	.006	1.5
82	MP1B	X	34.365	7
83	MP1B	Z	0	7
84	MP1B	Mx	.006	7
85	MP1C	X	32.083	1.5
86	MP1C	Z	0	1.5
87	MP1C	Mx	.008	1.5
88	MP1C	X	32.083	7
89	MP1C	Z	0	7
90	MP1C	Mx	.008	7
91	M131A	X	20.707	2.5
92	M131A	Z	0	2.5
93	M131A	Mx	0	2.5
94	M132	X	20.707	2.5
95	M132	Z	0	2.5
96	M132	Mx	0	2.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	28.238	2
2	MP2A	Z	16.303	2
3	MP2A	Mx	-.003	2
4	MP2A	X	28.238	6
5	MP2A	Z	16.303	6
6	MP2A	Mx	-.003	6
7	MP2B	X	34.291	2
8	MP2B	Z	19.798	2
9	MP2B	Mx	-.029	2
10	MP2B	X	34.291	6
11	MP2B	Z	19.798	6
12	MP2B	Mx	-.029	6
13	MP2C	X	28.238	2
14	MP2C	Z	16.303	2
15	MP2C	Mx	.025	2
16	MP2C	X	28.238	6
17	MP2C	Z	16.303	6
18	MP2C	Mx	.025	6
19	MP2A	X	28.238	2
20	MP2A	Z	16.303	2
21	MP2A	Mx	-.025	2
22	MP2A	X	28.238	6
23	MP2A	Z	16.303	6
24	MP2A	Mx	-.025	6
25	MP2B	X	34.291	2
26	MP2B	Z	19.798	2
27	MP2B	Mx	.023	2
28	MP2B	X	34.291	6
29	MP2B	Z	19.798	6
30	MP2B	Mx	.023	6
31	MP2C	X	28.238	2
32	MP2C	Z	16.303	2
33	MP2C	Mx	.003	2
34	MP2C	X	28.238	6
35	MP2C	Z	16.303	6
36	MP2C	Mx	.003	6
37	MP3A	X	9.709	3
38	MP3A	Z	5.606	3
39	MP3A	Mx	-.005	3
40	MP3A	X	9.709	5
41	MP3A	Z	5.606	5
42	MP3A	Mx	-.005	5
43	MP3B	X	16.75	3
44	MP3B	Z	9.671	3
45	MP3B	Mx	-.002	3
46	MP3B	X	16.75	5
47	MP3B	Z	9.671	5
48	MP3B	Mx	-.002	5
49	MP3C	X	9.709	3
50	MP3C	Z	5.606	3
51	MP3C	Mx	.005	3
52	MP3C	X	9.709	5
53	MP3C	Z	5.606	5
54	MP3C	Mx	.005	5
55	MP2A	X	11.073	4
56	MP2A	Z	6.393	4
57	MP2A	Mx	.006	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	14.216	4
59	MP2B	Z	8.208	4
60	MP2B	Mx	.001	4
61	MP2C	X	11.073	4
62	MP2C	Z	6.393	4
63	MP2C	Mx	-.006	4
64	MP1A	X	9.813	4
65	MP1A	Z	5.666	4
66	MP1A	Mx	.005	4
67	MP1B	X	14.144	4
68	MP1B	Z	8.166	4
69	MP1B	Mx	.001	4
70	MP1C	X	9.813	4
71	MP1C	Z	5.666	4
72	MP1C	Mx	-.005	4
73	MP1A	X	20.358	1.5
74	MP1A	Z	11.754	1.5
75	MP1A	Mx	-.01	1.5
76	MP1A	X	20.358	7
77	MP1A	Z	11.754	7
78	MP1A	Mx	-.01	7
79	MP1B	X	31.051	1.5
80	MP1B	Z	17.927	1.5
81	MP1B	Mx	-.003	1.5
82	MP1B	X	31.051	7
83	MP1B	Z	17.927	7
84	MP1B	Mx	-.003	7
85	MP1C	X	20.358	1.5
86	MP1C	Z	11.754	1.5
87	MP1C	Mx	.01	1.5
88	MP1C	X	20.358	7
89	MP1C	Z	11.754	7
90	MP1C	Mx	.01	7
91	M131A	X	18.453	2.5
92	M131A	Z	10.654	2.5
93	M131A	Mx	0	2.5
94	M132	X	18.453	2.5
95	M132	Z	10.654	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	18.731	2
2	MP2A	Z	32.443	2
3	MP2A	Mx	.012	2
4	MP2A	X	18.731	6
5	MP2A	Z	32.443	6
6	MP2A	Mx	.012	6
7	MP2B	X	17.939	2
8	MP2B	Z	31.071	2
9	MP2B	Mx	-.03	2
10	MP2B	X	17.939	6
11	MP2B	Z	31.071	6
12	MP2B	Mx	-.03	6
13	MP2C	X	15.09	2
14	MP2C	Z	26.136	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2C	Mx	.015	2
16	MP2C	X	15.09	6
17	MP2C	Z	26.136	6
18	MP2C	Mx	.015	6
19	MP2A	X	18.731	2
20	MP2A	Z	32.443	2
21	MP2A	Mx	-.031	2
22	MP2A	X	18.731	6
23	MP2A	Z	32.443	6
24	MP2A	Mx	-.031	6
25	MP2B	X	17.939	2
26	MP2B	Z	31.071	2
27	MP2B	Mx	.007	2
28	MP2B	X	17.939	6
29	MP2B	Z	31.071	6
30	MP2B	Mx	.007	6
31	MP2C	X	15.09	2
32	MP2C	Z	26.136	2
33	MP2C	Mx	.015	2
34	MP2C	X	15.09	6
35	MP2C	Z	26.136	6
36	MP2C	Mx	.015	6
37	MP3A	X	8.429	3
38	MP3A	Z	14.6	3
39	MP3A	Mx	-.004	3
40	MP3A	X	8.429	5
41	MP3A	Z	14.6	5
42	MP3A	Mx	-.004	5
43	MP3B	X	7.508	3
44	MP3B	Z	13.004	3
45	MP3B	Mx	-.005	3
46	MP3B	X	7.508	5
47	MP3B	Z	13.004	5
48	MP3B	Mx	-.005	5
49	MP3C	X	4.194	3
50	MP3C	Z	7.264	3
51	MP3C	Mx	.004	3
52	MP3C	X	4.194	5
53	MP3C	Z	7.264	5
54	MP3C	Mx	.004	5
55	MP2A	X	7.653	4
56	MP2A	Z	13.256	4
57	MP2A	Mx	.004	4
58	MP2B	X	7.242	4
59	MP2B	Z	12.544	4
60	MP2B	Mx	.005	4
61	MP2C	X	5.763	4
62	MP2C	Z	9.982	4
63	MP2C	Mx	-.006	4
64	MP1A	X	7.402	4
65	MP1A	Z	12.821	4
66	MP1A	Mx	.004	4
67	MP1B	X	6.836	4
68	MP1B	Z	11.84	4
69	MP1B	Mx	.004	4
70	MP1C	X	4.798	4
71	MP1C	Z	8.31	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP1C	Mx	-.005	4
73	MP1A	X	16.042	1.5
74	MP1A	Z	27.785	1.5
75	MP1A	Mx	-.008	1.5
76	MP1A	X	16.042	7
77	MP1A	Z	27.785	7
78	MP1A	Mx	-.008	7
79	MP1B	X	14.642	1.5
80	MP1B	Z	25.361	1.5
81	MP1B	Mx	-.009	1.5
82	MP1B	X	14.642	7
83	MP1B	Z	25.361	7
84	MP1B	Mx	-.009	7
85	MP1C	X	9.61	1.5
86	MP1C	Z	16.645	1.5
87	MP1C	Mx	.01	1.5
88	MP1C	X	9.61	7
89	MP1C	Z	16.645	7
90	MP1C	Mx	.01	7
91	M131A	X	9.329	2.5
92	M131A	Z	16.159	2.5
93	M131A	Mx	0	2.5
94	M132	X	9.329	2.5
95	M132	Z	16.159	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2
2	MP2A	Z	39.889	2
3	MP2A	Mx	.027	2
4	MP2A	X	0	6
5	MP2A	Z	39.889	6
6	MP2A	Mx	.027	6
7	MP2B	X	0	2
8	MP2B	Z	31.315	2
9	MP2B	Mx	-.022	2
10	MP2B	X	0	6
11	MP2B	Z	31.315	6
12	MP2B	Mx	-.022	6
13	MP2C	X	0	2
14	MP2C	Z	32.607	2
15	MP2C	Mx	.003	2
16	MP2C	X	0	6
17	MP2C	Z	32.607	6
18	MP2C	Mx	.003	6
19	MP2A	X	0	2
20	MP2A	Z	39.889	2
21	MP2A	Mx	-.027	2
22	MP2A	X	0	6
23	MP2A	Z	39.889	6
24	MP2A	Mx	-.027	6
25	MP2B	X	0	2
26	MP2B	Z	31.315	2
27	MP2B	Mx	-.008	2
28	MP2B	X	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	31.315	6
30	MP2B	Mx	-.008	6
31	MP2C	X	0	2
32	MP2C	Z	32.607	2
33	MP2C	Mx	.025	2
34	MP2C	X	0	6
35	MP2C	Z	32.607	6
36	MP2C	Mx	.025	6
37	MP3A	X	0	3
38	MP3A	Z	19.682	3
39	MP3A	Mx	0	3
40	MP3A	X	0	5
41	MP3A	Z	19.682	5
42	MP3A	Mx	0	5
43	MP3B	X	0	3
44	MP3B	Z	9.709	3
45	MP3B	Mx	-.005	3
46	MP3B	X	0	5
47	MP3B	Z	9.709	5
48	MP3B	Mx	-.005	5
49	MP3C	X	0	3
50	MP3C	Z	11.211	3
51	MP3C	Mx	.005	3
52	MP3C	X	0	5
53	MP3C	Z	11.211	5
54	MP3C	Mx	.005	5
55	MP2A	X	0	4
56	MP2A	Z	16.567	4
57	MP2A	Mx	0	4
58	MP2B	X	0	4
59	MP2B	Z	12.116	4
60	MP2B	Mx	.006	4
61	MP2C	X	0	4
62	MP2C	Z	12.786	4
63	MP2C	Mx	-.006	4
64	MP1A	X	0	4
65	MP1A	Z	16.541	4
66	MP1A	Mx	0	4
67	MP1B	X	0	4
68	MP1B	Z	10.408	4
69	MP1B	Mx	.005	4
70	MP1C	X	0	4
71	MP1C	Z	11.332	4
72	MP1C	Mx	-.005	4
73	MP1A	X	0	1.5
74	MP1A	Z	36.371	1.5
75	MP1A	Mx	0	1.5
76	MP1A	X	0	7
77	MP1A	Z	36.371	7
78	MP1A	Mx	0	7
79	MP1B	X	0	1.5
80	MP1B	Z	21.226	1.5
81	MP1B	Mx	-.01	1.5
82	MP1B	X	0	7
83	MP1B	Z	21.226	7
84	MP1B	Mx	-.01	7
85	MP1C	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1C	Z	23.507	1.5
87	MP1C	Mx	.01	1.5
88	MP1C	X	0	7
89	MP1C	Z	23.507	7
90	MP1C	Mx	.01	7
91	M131A	X	0	2.5
92	M131A	Z	15.41	2.5
93	M131A	Mx	0	2.5
94	M132	X	0	2.5
95	M132	Z	15.41	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-18.731	2
2	MP2A	Z	32.443	2
3	MP2A	Mx	.031	2
4	MP2A	X	-18.731	6
5	MP2A	Z	32.443	6
6	MP2A	Mx	.031	6
7	MP2B	X	-15.236	2
8	MP2B	Z	26.39	2
9	MP2B	Mx	-.011	2
10	MP2B	X	-15.236	6
11	MP2B	Z	26.39	6
12	MP2B	Mx	-.011	6
13	MP2C	X	-18.731	2
14	MP2C	Z	32.443	2
15	MP2C	Mx	-.012	2
16	MP2C	X	-18.731	6
17	MP2C	Z	32.443	6
18	MP2C	Mx	-.012	6
19	MP2A	X	-18.731	2
20	MP2A	Z	32.443	2
21	MP2A	Mx	-.012	2
22	MP2A	X	-18.731	6
23	MP2A	Z	32.443	6
24	MP2A	Mx	-.012	6
25	MP2B	X	-15.236	2
26	MP2B	Z	26.39	2
27	MP2B	Mx	-.019	2
28	MP2B	X	-15.236	6
29	MP2B	Z	26.39	6
30	MP2B	Mx	-.019	6
31	MP2C	X	-18.731	2
32	MP2C	Z	32.443	2
33	MP2C	Mx	.031	2
34	MP2C	X	-18.731	6
35	MP2C	Z	32.443	6
36	MP2C	Mx	.031	6
37	MP3A	X	-8.429	3
38	MP3A	Z	14.6	3
39	MP3A	Mx	.004	3
40	MP3A	X	-8.429	5
41	MP3A	Z	14.6	5
42	MP3A	Mx	.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	-4.364	3
44	MP3B	Z	7.559	3
45	MP3B	Mx	-.004	3
46	MP3B	X	-4.364	5
47	MP3B	Z	7.559	5
48	MP3B	Mx	-.004	5
49	MP3C	X	-8.429	3
50	MP3C	Z	14.6	3
51	MP3C	Mx	.004	3
52	MP3C	X	-8.429	5
53	MP3C	Z	14.6	5
54	MP3C	Mx	.004	5
55	MP2A	X	-7.653	4
56	MP2A	Z	13.256	4
57	MP2A	Mx	-.004	4
58	MP2B	X	-5.839	4
59	MP2B	Z	10.114	4
60	MP2B	Mx	.006	4
61	MP2C	X	-7.653	4
62	MP2C	Z	13.256	4
63	MP2C	Mx	-.004	4
64	MP1A	X	-7.402	4
65	MP1A	Z	12.821	4
66	MP1A	Mx	-.004	4
67	MP1B	X	-4.902	4
68	MP1B	Z	8.491	4
69	MP1B	Mx	.005	4
70	MP1C	X	-7.402	4
71	MP1C	Z	12.821	4
72	MP1C	Mx	-.004	4
73	MP1A	X	-16.042	1.5
74	MP1A	Z	27.785	1.5
75	MP1A	Mx	.008	1.5
76	MP1A	X	-16.042	7
77	MP1A	Z	27.785	7
78	MP1A	Mx	.008	7
79	MP1B	X	-9.868	1.5
80	MP1B	Z	17.092	1.5
81	MP1B	Mx	-.01	1.5
82	MP1B	X	-9.868	7
83	MP1B	Z	17.092	7
84	MP1B	Mx	-.01	7
85	MP1C	X	-16.042	1.5
86	MP1C	Z	27.785	1.5
87	MP1C	Mx	.008	1.5
88	MP1C	X	-16.042	7
89	MP1C	Z	27.785	7
90	MP1C	Mx	.008	7
91	M131A	X	-7.405	2.5
92	M131A	Z	12.826	2.5
93	M131A	Mx	0	2.5
94	M132	X	-7.405	2.5
95	M132	Z	12.826	2.5
96	M132	Mx	0	2.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-28.238	2
2	MP2A	Z	16.303	2
3	MP2A	Mx	.025	2
4	MP2A	X	-28.238	6
5	MP2A	Z	16.303	6
6	MP2A	Mx	.025	6
7	MP2B	X	-29.61	2
8	MP2B	Z	17.096	2
9	MP2B	Mx	.002	2
10	MP2B	X	-29.61	6
11	MP2B	Z	17.096	6
12	MP2B	Mx	.002	6
13	MP2C	X	-34.545	2
14	MP2C	Z	19.945	2
15	MP2C	Mx	-.027	2
16	MP2C	X	-34.545	6
17	MP2C	Z	19.945	6
18	MP2C	Mx	-.027	6
19	MP2A	X	-28.238	2
20	MP2A	Z	16.303	2
21	MP2A	Mx	.003	2
22	MP2A	X	-28.238	6
23	MP2A	Z	16.303	6
24	MP2A	Mx	.003	6
25	MP2B	X	-29.61	2
26	MP2B	Z	17.096	2
27	MP2B	Mx	-.028	2
28	MP2B	X	-29.61	6
29	MP2B	Z	17.096	6
30	MP2B	Mx	-.028	6
31	MP2C	X	-34.545	2
32	MP2C	Z	19.945	2
33	MP2C	Mx	.027	2
34	MP2C	X	-34.545	6
35	MP2C	Z	19.945	6
36	MP2C	Mx	.027	6
37	MP3A	X	-9.709	3
38	MP3A	Z	5.606	3
39	MP3A	Mx	.005	3
40	MP3A	X	-9.709	5
41	MP3A	Z	5.606	5
42	MP3A	Mx	.005	5
43	MP3B	X	-11.305	3
44	MP3B	Z	6.527	3
45	MP3B	Mx	-.005	3
46	MP3B	X	-11.305	5
47	MP3B	Z	6.527	5
48	MP3B	Mx	-.005	5
49	MP3C	X	-17.045	3
50	MP3C	Z	9.841	3
51	MP3C	Mx	0	3
52	MP3C	X	-17.045	5
53	MP3C	Z	9.841	5
54	MP3C	Mx	0	5
55	MP2A	X	-11.073	4
56	MP2A	Z	6.393	4
57	MP2A	Mx	-.006	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-11.786	4
59	MP2B	Z	6.805	4
60	MP2B	Mx	.005	4
61	MP2C	X	-14.348	4
62	MP2C	Z	8.284	4
63	MP2C	Mx	0	4
64	MP1A	X	-9.813	4
65	MP1A	Z	5.666	4
66	MP1A	Mx	-.005	4
67	MP1B	X	-10.795	4
68	MP1B	Z	6.232	4
69	MP1B	Mx	.005	4
70	MP1C	X	-14.325	4
71	MP1C	Z	8.271	4
72	MP1C	Mx	0	4
73	MP1A	X	-20.358	1.5
74	MP1A	Z	11.754	1.5
75	MP1A	Mx	.01	1.5
76	MP1A	X	-20.358	7
77	MP1A	Z	11.754	7
78	MP1A	Mx	.01	7
79	MP1B	X	-22.782	1.5
80	MP1B	Z	13.153	1.5
81	MP1B	Mx	-.01	1.5
82	MP1B	X	-22.782	7
83	MP1B	Z	13.153	7
84	MP1B	Mx	-.01	7
85	MP1C	X	-31.498	1.5
86	MP1C	Z	18.186	1.5
87	MP1C	Mx	0	1.5
88	MP1C	X	-31.498	7
89	MP1C	Z	18.186	7
90	MP1C	Mx	0	7
91	M131A	X	-15.119	2.5
92	M131A	Z	8.729	2.5
93	M131A	Mx	0	2.5
94	M132	X	-15.119	2.5
95	M132	Z	8.729	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-30.179	2
2	MP2A	Z	0	2
3	MP2A	Mx	.015	2
4	MP2A	X	-30.179	6
5	MP2A	Z	0	6
6	MP2A	Mx	.015	6
7	MP2B	X	-38.753	2
8	MP2B	Z	0	2
9	MP2B	Mx	.018	2
10	MP2B	X	-38.753	6
11	MP2B	Z	0	6
12	MP2B	Mx	.018	6
13	MP2C	X	-37.462	2
14	MP2C	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2C	Mx	-.031	2
16	MP2C	X	-37.462	6
17	MP2C	Z	0	6
18	MP2C	Mx	-.031	6
19	MP2A	X	-30.179	2
20	MP2A	Z	0	2
21	MP2A	Mx	.015	2
22	MP2A	X	-30.179	6
23	MP2A	Z	0	6
24	MP2A	Mx	.015	6
25	MP2B	X	-38.753	2
26	MP2B	Z	0	2
27	MP2B	Mx	-.031	2
28	MP2B	X	-38.753	6
29	MP2B	Z	0	6
30	MP2B	Mx	-.031	6
31	MP2C	X	-37.462	2
32	MP2C	Z	0	2
33	MP2C	Mx	.012	2
34	MP2C	X	-37.462	6
35	MP2C	Z	0	6
36	MP2C	Mx	.012	6
37	MP3A	X	-8.388	3
38	MP3A	Z	0	3
39	MP3A	Mx	.004	3
40	MP3A	X	-8.388	5
41	MP3A	Z	0	5
42	MP3A	Mx	.004	5
43	MP3B	X	-18.361	3
44	MP3B	Z	0	3
45	MP3B	Mx	-.003	3
46	MP3B	X	-18.361	5
47	MP3B	Z	0	5
48	MP3B	Mx	-.003	5
49	MP3C	X	-16.858	3
50	MP3C	Z	0	3
51	MP3C	Mx	-.004	3
52	MP3C	X	-16.858	5
53	MP3C	Z	0	5
54	MP3C	Mx	-.004	5
55	MP2A	X	-11.526	4
56	MP2A	Z	0	4
57	MP2A	Mx	-.006	4
58	MP2B	X	-15.977	4
59	MP2B	Z	0	4
60	MP2B	Mx	.003	4
61	MP2C	X	-15.307	4
62	MP2C	Z	0	4
63	MP2C	Mx	.004	4
64	MP1A	X	-9.595	4
65	MP1A	Z	0	4
66	MP1A	Mx	-.005	4
67	MP1B	X	-15.728	4
68	MP1B	Z	0	4
69	MP1B	Mx	.003	4
70	MP1C	X	-14.805	4
71	MP1C	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP1C	Mx	.004	4
73	MP1A	X	-19.219	1.5
74	MP1A	Z	0	1.5
75	MP1A	Mx	.01	1.5
76	MP1A	X	-19.219	7
77	MP1A	Z	0	7
78	MP1A	Mx	.01	7
79	MP1B	X	-34.365	1.5
80	MP1B	Z	0	1.5
81	MP1B	Mx	-.006	1.5
82	MP1B	X	-34.365	7
83	MP1B	Z	0	7
84	MP1B	Mx	-.006	7
85	MP1C	X	-32.083	1.5
86	MP1C	Z	0	1.5
87	MP1C	Mx	-.008	1.5
88	MP1C	X	-32.083	7
89	MP1C	Z	0	7
90	MP1C	Mx	-.008	7
91	M131A	X	-20.707	2.5
92	M131A	Z	0	2.5
93	M131A	Mx	0	2.5
94	M132	X	-20.707	2.5
95	M132	Z	0	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-28.238	2
2	MP2A	Z	-16.303	2
3	MP2A	Mx	.003	2
4	MP2A	X	-28.238	6
5	MP2A	Z	-16.303	6
6	MP2A	Mx	.003	6
7	MP2B	X	-34.291	2
8	MP2B	Z	-19.798	2
9	MP2B	Mx	.029	2
10	MP2B	X	-34.291	6
11	MP2B	Z	-19.798	6
12	MP2B	Mx	.029	6
13	MP2C	X	-28.238	2
14	MP2C	Z	-16.303	2
15	MP2C	Mx	-.025	2
16	MP2C	X	-28.238	6
17	MP2C	Z	-16.303	6
18	MP2C	Mx	-.025	6
19	MP2A	X	-28.238	2
20	MP2A	Z	-16.303	2
21	MP2A	Mx	.025	2
22	MP2A	X	-28.238	6
23	MP2A	Z	-16.303	6
24	MP2A	Mx	.025	6
25	MP2B	X	-34.291	2
26	MP2B	Z	-19.798	2
27	MP2B	Mx	-.023	2
28	MP2B	X	-34.291	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	-19.798	6
30	MP2B	Mx	-.023	6
31	MP2C	X	-28.238	2
32	MP2C	Z	-16.303	2
33	MP2C	Mx	-.003	2
34	MP2C	X	-28.238	6
35	MP2C	Z	-16.303	6
36	MP2C	Mx	-.003	6
37	MP3A	X	-9.709	3
38	MP3A	Z	-5.606	3
39	MP3A	Mx	.005	3
40	MP3A	X	-9.709	5
41	MP3A	Z	-5.606	5
42	MP3A	Mx	.005	5
43	MP3B	X	-16.75	3
44	MP3B	Z	-9.671	3
45	MP3B	Mx	.002	3
46	MP3B	X	-16.75	5
47	MP3B	Z	-9.671	5
48	MP3B	Mx	.002	5
49	MP3C	X	-9.709	3
50	MP3C	Z	-5.606	3
51	MP3C	Mx	-.005	3
52	MP3C	X	-9.709	5
53	MP3C	Z	-5.606	5
54	MP3C	Mx	-.005	5
55	MP2A	X	-11.073	4
56	MP2A	Z	-6.393	4
57	MP2A	Mx	-.006	4
58	MP2B	X	-14.216	4
59	MP2B	Z	-8.208	4
60	MP2B	Mx	-.001	4
61	MP2C	X	-11.073	4
62	MP2C	Z	-6.393	4
63	MP2C	Mx	.006	4
64	MP1A	X	-9.813	4
65	MP1A	Z	-5.666	4
66	MP1A	Mx	-.005	4
67	MP1B	X	-14.144	4
68	MP1B	Z	-8.166	4
69	MP1B	Mx	-.001	4
70	MP1C	X	-9.813	4
71	MP1C	Z	-5.666	4
72	MP1C	Mx	.005	4
73	MP1A	X	-20.358	1.5
74	MP1A	Z	-11.754	1.5
75	MP1A	Mx	.01	1.5
76	MP1A	X	-20.358	7
77	MP1A	Z	-11.754	7
78	MP1A	Mx	.01	7
79	MP1B	X	-31.051	1.5
80	MP1B	Z	-17.927	1.5
81	MP1B	Mx	.003	1.5
82	MP1B	X	-31.051	7
83	MP1B	Z	-17.927	7
84	MP1B	Mx	.003	7
85	MP1C	X	-20.358	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1C	Z	-11.754	1.5
87	MP1C	Mx	-.01	1.5
88	MP1C	X	-20.358	7
89	MP1C	Z	-11.754	7
90	MP1C	Mx	-.01	7
91	M131A	X	-18.453	2.5
92	M131A	Z	-10.654	2.5
93	M131A	Mx	0	2.5
94	M132	X	-18.453	2.5
95	M132	Z	-10.654	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-18.731	2
2	MP2A	Z	-32.443	2
3	MP2A	Mx	-.012	2
4	MP2A	X	-18.731	6
5	MP2A	Z	-32.443	6
6	MP2A	Mx	-.012	6
7	MP2B	X	-17.939	2
8	MP2B	Z	-31.071	2
9	MP2B	Mx	.03	2
10	MP2B	X	-17.939	6
11	MP2B	Z	-31.071	6
12	MP2B	Mx	.03	6
13	MP2C	X	-15.09	2
14	MP2C	Z	-26.136	2
15	MP2C	Mx	-.015	2
16	MP2C	X	-15.09	6
17	MP2C	Z	-26.136	6
18	MP2C	Mx	-.015	6
19	MP2A	X	-18.731	2
20	MP2A	Z	-32.443	2
21	MP2A	Mx	.031	2
22	MP2A	X	-18.731	6
23	MP2A	Z	-32.443	6
24	MP2A	Mx	.031	6
25	MP2B	X	-17.939	2
26	MP2B	Z	-31.071	2
27	MP2B	Mx	-.007	2
28	MP2B	X	-17.939	6
29	MP2B	Z	-31.071	6
30	MP2B	Mx	-.007	6
31	MP2C	X	-15.09	2
32	MP2C	Z	-26.136	2
33	MP2C	Mx	-.015	2
34	MP2C	X	-15.09	6
35	MP2C	Z	-26.136	6
36	MP2C	Mx	-.015	6
37	MP3A	X	-8.429	3
38	MP3A	Z	-14.6	3
39	MP3A	Mx	.004	3
40	MP3A	X	-8.429	5
41	MP3A	Z	-14.6	5
42	MP3A	Mx	.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	-7.508	3
44	MP3B	Z	-13.004	3
45	MP3B	Mx	.005	3
46	MP3B	X	-7.508	5
47	MP3B	Z	-13.004	5
48	MP3B	Mx	.005	5
49	MP3C	X	-4.194	3
50	MP3C	Z	-7.264	3
51	MP3C	Mx	-.004	3
52	MP3C	X	-4.194	5
53	MP3C	Z	-7.264	5
54	MP3C	Mx	-.004	5
55	MP2A	X	-7.653	4
56	MP2A	Z	-13.256	4
57	MP2A	Mx	-.004	4
58	MP2B	X	-7.242	4
59	MP2B	Z	-12.544	4
60	MP2B	Mx	-.005	4
61	MP2C	X	-5.763	4
62	MP2C	Z	-9.982	4
63	MP2C	Mx	.006	4
64	MP1A	X	-7.402	4
65	MP1A	Z	-12.821	4
66	MP1A	Mx	-.004	4
67	MP1B	X	-6.836	4
68	MP1B	Z	-11.84	4
69	MP1B	Mx	-.004	4
70	MP1C	X	-4.798	4
71	MP1C	Z	-8.31	4
72	MP1C	Mx	.005	4
73	MP1A	X	-16.042	1.5
74	MP1A	Z	-27.785	1.5
75	MP1A	Mx	.008	1.5
76	MP1A	X	-16.042	7
77	MP1A	Z	-27.785	7
78	MP1A	Mx	.008	7
79	MP1B	X	-14.642	1.5
80	MP1B	Z	-25.361	1.5
81	MP1B	Mx	.009	1.5
82	MP1B	X	-14.642	7
83	MP1B	Z	-25.361	7
84	MP1B	Mx	.009	7
85	MP1C	X	-9.61	1.5
86	MP1C	Z	-16.645	1.5
87	MP1C	Mx	-.01	1.5
88	MP1C	X	-9.61	7
89	MP1C	Z	-16.645	7
90	MP1C	Mx	-.01	7
91	M131A	X	-9.329	2.5
92	M131A	Z	-16.159	2.5
93	M131A	Mx	0	2.5
94	M132	X	-9.329	2.5
95	M132	Z	-16.159	2.5
96	M132	Mx	0	2.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2
2	MP2A	Z	-13.163	2
3	MP2A	Mx	-.009	2
4	MP2A	X	0	6
5	MP2A	Z	-13.163	6
6	MP2A	Mx	-.009	6
7	MP2B	X	0	2
8	MP2B	Z	-10.181	2
9	MP2B	Mx	.007	2
10	MP2B	X	0	6
11	MP2B	Z	-10.181	6
12	MP2B	Mx	.007	6
13	MP2C	X	0	2
14	MP2C	Z	-10.63	2
15	MP2C	Mx	-.001	2
16	MP2C	X	0	6
17	MP2C	Z	-10.63	6
18	MP2C	Mx	-.001	6
19	MP2A	X	0	2
20	MP2A	Z	-13.163	2
21	MP2A	Mx	.009	2
22	MP2A	X	0	6
23	MP2A	Z	-13.163	6
24	MP2A	Mx	.009	6
25	MP2B	X	0	2
26	MP2B	Z	-10.181	2
27	MP2B	Mx	.002	2
28	MP2B	X	0	6
29	MP2B	Z	-10.181	6
30	MP2B	Mx	.002	6
31	MP2C	X	0	2
32	MP2C	Z	-10.63	2
33	MP2C	Mx	-.008	2
34	MP2C	X	0	6
35	MP2C	Z	-10.63	6
36	MP2C	Mx	-.008	6
37	MP3A	X	0	3
38	MP3A	Z	-6.268	3
39	MP3A	Mx	0	3
40	MP3A	X	0	5
41	MP3A	Z	-6.268	5
42	MP3A	Mx	0	5
43	MP3B	X	0	3
44	MP3B	Z	-2.9	3
45	MP3B	Mx	.001	3
46	MP3B	X	0	5
47	MP3B	Z	-2.9	5
48	MP3B	Mx	.001	5
49	MP3C	X	0	3
50	MP3C	Z	-3.407	3
51	MP3C	Mx	-.001	3
52	MP3C	X	0	5
53	MP3C	Z	-3.407	5
54	MP3C	Mx	-.001	5
55	MP2A	X	0	4
56	MP2A	Z	-4.98	4
57	MP2A	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	0	4
59	MP2B	Z	-3.522	4
60	MP2B	Mx	-.002	4
61	MP2C	X	0	4
62	MP2C	Z	-3.742	4
63	MP2C	Mx	.002	4
64	MP1A	X	0	4
65	MP1A	Z	-4.973	4
66	MP1A	Mx	0	4
67	MP1B	X	0	4
68	MP1B	Z	-2.959	4
69	MP1B	Mx	-.001	4
70	MP1C	X	0	4
71	MP1C	Z	-3.263	4
72	MP1C	Mx	.001	4
73	MP1A	X	0	1.5
74	MP1A	Z	-11.472	1.5
75	MP1A	Mx	0	1.5
76	MP1A	X	0	7
77	MP1A	Z	-11.472	7
78	MP1A	Mx	0	7
79	MP1B	X	0	1.5
80	MP1B	Z	-6.528	1.5
81	MP1B	Mx	.003	1.5
82	MP1B	X	0	7
83	MP1B	Z	-6.528	7
84	MP1B	Mx	.003	7
85	MP1C	X	0	1.5
86	MP1C	Z	-7.273	1.5
87	MP1C	Mx	-.003	1.5
88	MP1C	X	0	7
89	MP1C	Z	-7.273	7
90	MP1C	Mx	-.003	7
91	M131A	X	0	2.5
92	M131A	Z	-4.584	2.5
93	M131A	Mx	0	2.5
94	M132	X	0	2.5
95	M132	Z	-4.584	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.159	2
2	MP2A	Z	-10.668	2
3	MP2A	Mx	-.01	2
4	MP2A	X	6.159	6
5	MP2A	Z	-10.668	6
6	MP2A	Mx	-.01	6
7	MP2B	X	4.944	2
8	MP2B	Z	-8.563	2
9	MP2B	Mx	.004	2
10	MP2B	X	4.944	6
11	MP2B	Z	-8.563	6
12	MP2B	Mx	.004	6
13	MP2C	X	6.159	2
14	MP2C	Z	-10.668	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2C	Mx	.004	2
16	MP2C	X	6.159	6
17	MP2C	Z	-10.668	6
18	MP2C	Mx	.004	6
19	MP2A	X	6.159	2
20	MP2A	Z	-10.668	2
21	MP2A	Mx	.004	2
22	MP2A	X	6.159	6
23	MP2A	Z	-10.668	6
24	MP2A	Mx	.004	6
25	MP2B	X	4.944	2
26	MP2B	Z	-8.563	2
27	MP2B	Mx	.006	2
28	MP2B	X	4.944	6
29	MP2B	Z	-8.563	6
30	MP2B	Mx	.006	6
31	MP2C	X	6.159	2
32	MP2C	Z	-10.668	2
33	MP2C	Mx	-.01	2
34	MP2C	X	6.159	6
35	MP2C	Z	-10.668	6
36	MP2C	Mx	-.01	6
37	MP3A	X	2.657	3
38	MP3A	Z	-4.602	3
39	MP3A	Mx	-.001	3
40	MP3A	X	2.657	5
41	MP3A	Z	-4.602	5
42	MP3A	Mx	-.001	5
43	MP3B	X	1.284	3
44	MP3B	Z	-2.225	3
45	MP3B	Mx	.001	3
46	MP3B	X	1.284	5
47	MP3B	Z	-2.225	5
48	MP3B	Mx	.001	5
49	MP3C	X	2.657	3
50	MP3C	Z	-4.602	3
51	MP3C	Mx	-.001	3
52	MP3C	X	2.657	5
53	MP3C	Z	-4.602	5
54	MP3C	Mx	-.001	5
55	MP2A	X	2.284	4
56	MP2A	Z	-3.956	4
57	MP2A	Mx	.001	4
58	MP2B	X	1.689	4
59	MP2B	Z	-2.926	4
60	MP2B	Mx	-.002	4
61	MP2C	X	2.284	4
62	MP2C	Z	-3.956	4
63	MP2C	Mx	.001	4
64	MP1A	X	2.202	4
65	MP1A	Z	-3.813	4
66	MP1A	Mx	.001	4
67	MP1B	X	1.381	4
68	MP1B	Z	-2.392	4
69	MP1B	Mx	-.001	4
70	MP1C	X	2.202	4
71	MP1C	Z	-3.813	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP1C	Mx	.001	4
73	MP1A	X	5.036	1.5
74	MP1A	Z	-8.723	1.5
75	MP1A	Mx	-.003	1.5
76	MP1A	X	5.036	7
77	MP1A	Z	-8.723	7
78	MP1A	Mx	-.003	7
79	MP1B	X	3.021	1.5
80	MP1B	Z	-5.233	1.5
81	MP1B	Mx	.003	1.5
82	MP1B	X	3.021	7
83	MP1B	Z	-5.233	7
84	MP1B	Mx	.003	7
85	MP1C	X	5.036	1.5
86	MP1C	Z	-8.723	1.5
87	MP1C	Mx	-.003	1.5
88	MP1C	X	5.036	7
89	MP1C	Z	-8.723	7
90	MP1C	Mx	-.003	7
91	M131A	X	2.191	2.5
92	M131A	Z	-3.795	2.5
93	M131A	Mx	0	2.5
94	M132	X	2.191	2.5
95	M132	Z	-3.795	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	9.206	2
2	MP2A	Z	-5.315	2
3	MP2A	Mx	-.008	2
4	MP2A	X	9.206	6
5	MP2A	Z	-5.315	6
6	MP2A	Mx	-.008	6
7	MP2B	X	9.683	2
8	MP2B	Z	-5.591	2
9	MP2B	Mx	-.000508	2
10	MP2B	X	9.683	6
11	MP2B	Z	-5.591	6
12	MP2B	Mx	-.000508	6
13	MP2C	X	11.399	2
14	MP2C	Z	-6.581	2
15	MP2C	Mx	.009	2
16	MP2C	X	11.399	6
17	MP2C	Z	-6.581	6
18	MP2C	Mx	.009	6
19	MP2A	X	9.206	2
20	MP2A	Z	-5.315	2
21	MP2A	Mx	-.001	2
22	MP2A	X	9.206	6
23	MP2A	Z	-5.315	6
24	MP2A	Mx	-.001	6
25	MP2B	X	9.683	2
26	MP2B	Z	-5.591	2
27	MP2B	Mx	.009	2
28	MP2B	X	9.683	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	-5.591	6
30	MP2B	Mx	.009	6
31	MP2C	X	11.399	2
32	MP2C	Z	-6.581	2
33	MP2C	Mx	-.009	2
34	MP2C	X	11.399	6
35	MP2C	Z	-6.581	6
36	MP2C	Mx	-.009	6
37	MP3A	X	2.951	3
38	MP3A	Z	-1.704	3
39	MP3A	Mx	-.001	3
40	MP3A	X	2.951	5
41	MP3A	Z	-1.704	5
42	MP3A	Mx	-.001	5
43	MP3B	X	3.49	3
44	MP3B	Z	-2.015	3
45	MP3B	Mx	.002	3
46	MP3B	X	3.49	5
47	MP3B	Z	-2.015	5
48	MP3B	Mx	.002	5
49	MP3C	X	5.428	3
50	MP3C	Z	-3.134	3
51	MP3C	Mx	0	3
52	MP3C	X	5.428	5
53	MP3C	Z	-3.134	5
54	MP3C	Mx	0	5
55	MP2A	X	3.241	4
56	MP2A	Z	-1.871	4
57	MP2A	Mx	.002	4
58	MP2B	X	3.474	4
59	MP2B	Z	-2.006	4
60	MP2B	Mx	-.002	4
61	MP2C	X	4.313	4
62	MP2C	Z	-2.49	4
63	MP2C	Mx	0	4
64	MP1A	X	2.826	4
65	MP1A	Z	-1.631	4
66	MP1A	Mx	.001	4
67	MP1B	X	3.148	4
68	MP1B	Z	-1.817	4
69	MP1B	Mx	-.001	4
70	MP1C	X	4.307	4
71	MP1C	Z	-2.487	4
72	MP1C	Mx	0	4
73	MP1A	X	6.299	1.5
74	MP1A	Z	-3.636	1.5
75	MP1A	Mx	-.003	1.5
76	MP1A	X	6.299	7
77	MP1A	Z	-3.636	7
78	MP1A	Mx	-.003	7
79	MP1B	X	7.09	1.5
80	MP1B	Z	-4.093	1.5
81	MP1B	Mx	.003	1.5
82	MP1B	X	7.09	7
83	MP1B	Z	-4.093	7
84	MP1B	Mx	.003	7
85	MP1C	X	9.935	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1C	Z	-5.736	1.5
87	MP1C	Mx	0	1.5
88	MP1C	X	9.935	7
89	MP1C	Z	-5.736	7
90	MP1C	Mx	0	7
91	M131A	X	4.567	2.5
92	M131A	Z	-2.637	2.5
93	M131A	Mx	0	2.5
94	M132	X	4.567	2.5
95	M132	Z	-2.637	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	9.786	2
2	MP2A	Z	0	2
3	MP2A	Mx	-.005	2
4	MP2A	X	9.786	6
5	MP2A	Z	0	6
6	MP2A	Mx	-.005	6
7	MP2B	X	12.768	2
8	MP2B	Z	0	2
9	MP2B	Mx	-.006	2
10	MP2B	X	12.768	6
11	MP2B	Z	0	6
12	MP2B	Mx	-.006	6
13	MP2C	X	12.318	2
14	MP2C	Z	0	2
15	MP2C	Mx	.01	2
16	MP2C	X	12.318	6
17	MP2C	Z	0	6
18	MP2C	Mx	.01	6
19	MP2A	X	9.786	2
20	MP2A	Z	0	2
21	MP2A	Mx	-.005	2
22	MP2A	X	9.786	6
23	MP2A	Z	0	6
24	MP2A	Mx	-.005	6
25	MP2B	X	12.768	2
26	MP2B	Z	0	2
27	MP2B	Mx	.01	2
28	MP2B	X	12.768	6
29	MP2B	Z	0	6
30	MP2B	Mx	.01	6
31	MP2C	X	12.318	2
32	MP2C	Z	0	2
33	MP2C	Mx	-.004	2
34	MP2C	X	12.318	6
35	MP2C	Z	0	6
36	MP2C	Mx	-.004	6
37	MP3A	X	2.454	3
38	MP3A	Z	0	3
39	MP3A	Mx	-.001	3
40	MP3A	X	2.454	5
41	MP3A	Z	0	5
42	MP3A	Mx	-.001	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	5.822	3
44	MP3B	Z	0	3
45	MP3B	Mx	.000996	3
46	MP3B	X	5.822	5
47	MP3B	Z	0	5
48	MP3B	Mx	.000996	5
49	MP3C	X	5.314	3
50	MP3C	Z	0	3
51	MP3C	Mx	.001	3
52	MP3C	X	5.314	5
53	MP3C	Z	0	5
54	MP3C	Mx	.001	5
55	MP2A	X	3.329	4
56	MP2A	Z	0	4
57	MP2A	Mx	.002	4
58	MP2B	X	4.787	4
59	MP2B	Z	0	4
60	MP2B	Mx	-.000819	4
61	MP2C	X	4.568	4
62	MP2C	Z	0	4
63	MP2C	Mx	-.001	4
64	MP1A	X	2.693	4
65	MP1A	Z	0	4
66	MP1A	Mx	.001	4
67	MP1B	X	4.706	4
68	MP1B	Z	0	4
69	MP1B	Mx	-.000805	4
70	MP1C	X	4.403	4
71	MP1C	Z	0	4
72	MP1C	Mx	-.001	4
73	MP1A	X	5.873	1.5
74	MP1A	Z	0	1.5
75	MP1A	Mx	-.003	1.5
76	MP1A	X	5.873	7
77	MP1A	Z	0	7
78	MP1A	Mx	-.003	7
79	MP1B	X	10.817	1.5
80	MP1B	Z	0	1.5
81	MP1B	Mx	.002	1.5
82	MP1B	X	10.817	7
83	MP1B	Z	0	7
84	MP1B	Mx	.002	7
85	MP1C	X	10.072	1.5
86	MP1C	Z	0	1.5
87	MP1C	Mx	.003	1.5
88	MP1C	X	10.072	7
89	MP1C	Z	0	7
90	MP1C	Mx	.003	7
91	M131A	X	6.367	2.5
92	M131A	Z	0	2.5
93	M131A	Mx	0	2.5
94	M132	X	6.367	2.5
95	M132	Z	0	2.5
96	M132	Mx	0	2.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	9.206	2
2	MP2A	Z	5.315	2
3	MP2A	Mx	-.001	2
4	MP2A	X	9.206	6
5	MP2A	Z	5.315	6
6	MP2A	Mx	-.001	6
7	MP2B	X	11.311	2
8	MP2B	Z	6.53	2
9	MP2B	Mx	-.01	2
10	MP2B	X	11.311	6
11	MP2B	Z	6.53	6
12	MP2B	Mx	-.01	6
13	MP2C	X	9.206	2
14	MP2C	Z	5.315	2
15	MP2C	Mx	.008	2
16	MP2C	X	9.206	6
17	MP2C	Z	5.315	6
18	MP2C	Mx	.008	6
19	MP2A	X	9.206	2
20	MP2A	Z	5.315	2
21	MP2A	Mx	-.008	2
22	MP2A	X	9.206	6
23	MP2A	Z	5.315	6
24	MP2A	Mx	-.008	6
25	MP2B	X	11.311	2
26	MP2B	Z	6.53	2
27	MP2B	Mx	.007	2
28	MP2B	X	11.311	6
29	MP2B	Z	6.53	6
30	MP2B	Mx	.007	6
31	MP2C	X	9.206	2
32	MP2C	Z	5.315	2
33	MP2C	Mx	.001	2
34	MP2C	X	9.206	6
35	MP2C	Z	5.315	6
36	MP2C	Mx	.001	6
37	MP3A	X	2.951	3
38	MP3A	Z	1.704	3
39	MP3A	Mx	-.001	3
40	MP3A	X	2.951	5
41	MP3A	Z	1.704	5
42	MP3A	Mx	-.001	5
43	MP3B	X	5.329	3
44	MP3B	Z	3.076	3
45	MP3B	Mx	-.000534	3
46	MP3B	X	5.329	5
47	MP3B	Z	3.076	5
48	MP3B	Mx	-.000534	5
49	MP3C	X	2.951	3
50	MP3C	Z	1.704	3
51	MP3C	Mx	.001	3
52	MP3C	X	2.951	5
53	MP3C	Z	1.704	5
54	MP3C	Mx	.001	5
55	MP2A	X	3.241	4
56	MP2A	Z	1.871	4
57	MP2A	Mx	.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	4.27	4
59	MP2B	Z	2.465	4
60	MP2B	Mx	.000428	4
61	MP2C	X	3.241	4
62	MP2C	Z	1.871	4
63	MP2C	Mx	-.002	4
64	MP1A	X	2.826	4
65	MP1A	Z	1.631	4
66	MP1A	Mx	.001	4
67	MP1B	X	4.247	4
68	MP1B	Z	2.452	4
69	MP1B	Mx	.000426	4
70	MP1C	X	2.826	4
71	MP1C	Z	1.631	4
72	MP1C	Mx	-.001	4
73	MP1A	X	6.299	1.5
74	MP1A	Z	3.636	1.5
75	MP1A	Mx	-.003	1.5
76	MP1A	X	6.299	7
77	MP1A	Z	3.636	7
78	MP1A	Mx	-.003	7
79	MP1B	X	9.789	1.5
80	MP1B	Z	5.652	1.5
81	MP1B	Mx	-.000982	1.5
82	MP1B	X	9.789	7
83	MP1B	Z	5.652	7
84	MP1B	Mx	-.000982	7
85	MP1C	X	6.299	1.5
86	MP1C	Z	3.636	1.5
87	MP1C	Mx	.003	1.5
88	MP1C	X	6.299	7
89	MP1C	Z	3.636	7
90	MP1C	Mx	.003	7
91	M131A	X	5.689	2.5
92	M131A	Z	3.284	2.5
93	M131A	Mx	0	2.5
94	M132	X	5.689	2.5
95	M132	Z	3.284	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.159	2
2	MP2A	Z	10.668	2
3	MP2A	Mx	.004	2
4	MP2A	X	6.159	6
5	MP2A	Z	10.668	6
6	MP2A	Mx	.004	6
7	MP2B	X	5.884	2
8	MP2B	Z	10.191	2
9	MP2B	Mx	-.01	2
10	MP2B	X	5.884	6
11	MP2B	Z	10.191	6
12	MP2B	Mx	-.01	6
13	MP2C	X	4.893	2
14	MP2C	Z	8.475	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2C	Mx	.005	2
16	MP2C	X	4.893	6
17	MP2C	Z	8.475	6
18	MP2C	Mx	.005	6
19	MP2A	X	6.159	2
20	MP2A	Z	10.668	2
21	MP2A	Mx	-.01	2
22	MP2A	X	6.159	6
23	MP2A	Z	10.668	6
24	MP2A	Mx	-.01	6
25	MP2B	X	5.884	2
26	MP2B	Z	10.191	2
27	MP2B	Mx	.002	2
28	MP2B	X	5.884	6
29	MP2B	Z	10.191	6
30	MP2B	Mx	.002	6
31	MP2C	X	4.893	2
32	MP2C	Z	8.475	2
33	MP2C	Mx	.005	2
34	MP2C	X	4.893	6
35	MP2C	Z	8.475	6
36	MP2C	Mx	.005	6
37	MP3A	X	2.657	3
38	MP3A	Z	4.602	3
39	MP3A	Mx	-.001	3
40	MP3A	X	2.657	5
41	MP3A	Z	4.602	5
42	MP3A	Mx	-.001	5
43	MP3B	X	2.346	3
44	MP3B	Z	4.063	3
45	MP3B	Mx	-.002	3
46	MP3B	X	2.346	5
47	MP3B	Z	4.063	5
48	MP3B	Mx	-.002	5
49	MP3C	X	1.227	3
50	MP3C	Z	2.125	3
51	MP3C	Mx	.001	3
52	MP3C	X	1.227	5
53	MP3C	Z	2.125	5
54	MP3C	Mx	.001	5
55	MP2A	X	2.284	4
56	MP2A	Z	3.956	4
57	MP2A	Mx	.001	4
58	MP2B	X	2.149	4
59	MP2B	Z	3.722	4
60	MP2B	Mx	.001	4
61	MP2C	X	1.665	4
62	MP2C	Z	2.883	4
63	MP2C	Mx	-.002	4
64	MP1A	X	2.202	4
65	MP1A	Z	3.813	4
66	MP1A	Mx	.001	4
67	MP1B	X	2.015	4
68	MP1B	Z	3.491	4
69	MP1B	Mx	.001	4
70	MP1C	X	1.346	4
71	MP1C	Z	2.332	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP1C	Mx	-.001	4
73	MP1A	X	5.036	1.5
74	MP1A	Z	8.723	1.5
75	MP1A	Mx	-.003	1.5
76	MP1A	X	5.036	7
77	MP1A	Z	8.723	7
78	MP1A	Mx	-.003	7
79	MP1B	X	4.579	1.5
80	MP1B	Z	7.932	1.5
81	MP1B	Mx	-.003	1.5
82	MP1B	X	4.579	7
83	MP1B	Z	7.932	7
84	MP1B	Mx	-.003	7
85	MP1C	X	2.937	1.5
86	MP1C	Z	5.086	1.5
87	MP1C	Mx	.003	1.5
88	MP1C	X	2.937	7
89	MP1C	Z	5.086	7
90	MP1C	Mx	.003	7
91	M131A	X	2.839	2.5
92	M131A	Z	4.917	2.5
93	M131A	Mx	0	2.5
94	M132	X	2.839	2.5
95	M132	Z	4.917	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2
2	MP2A	Z	13.163	2
3	MP2A	Mx	.009	2
4	MP2A	X	0	6
5	MP2A	Z	13.163	6
6	MP2A	Mx	.009	6
7	MP2B	X	0	2
8	MP2B	Z	10.181	2
9	MP2B	Mx	-.007	2
10	MP2B	X	0	6
11	MP2B	Z	10.181	6
12	MP2B	Mx	-.007	6
13	MP2C	X	0	2
14	MP2C	Z	10.63	2
15	MP2C	Mx	.001	2
16	MP2C	X	0	6
17	MP2C	Z	10.63	6
18	MP2C	Mx	.001	6
19	MP2A	X	0	2
20	MP2A	Z	13.163	2
21	MP2A	Mx	-.009	2
22	MP2A	X	0	6
23	MP2A	Z	13.163	6
24	MP2A	Mx	-.009	6
25	MP2B	X	0	2
26	MP2B	Z	10.181	2
27	MP2B	Mx	-.002	2
28	MP2B	X	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	10.181	6
30	MP2B	Mx	-.002	6
31	MP2C	X	0	2
32	MP2C	Z	10.63	2
33	MP2C	Mx	.008	2
34	MP2C	X	0	6
35	MP2C	Z	10.63	6
36	MP2C	Mx	.008	6
37	MP3A	X	0	3
38	MP3A	Z	6.268	3
39	MP3A	Mx	0	3
40	MP3A	X	0	5
41	MP3A	Z	6.268	5
42	MP3A	Mx	0	5
43	MP3B	X	0	3
44	MP3B	Z	2.9	3
45	MP3B	Mx	-.001	3
46	MP3B	X	0	5
47	MP3B	Z	2.9	5
48	MP3B	Mx	-.001	5
49	MP3C	X	0	3
50	MP3C	Z	3.407	3
51	MP3C	Mx	.001	3
52	MP3C	X	0	5
53	MP3C	Z	3.407	5
54	MP3C	Mx	.001	5
55	MP2A	X	0	4
56	MP2A	Z	4.98	4
57	MP2A	Mx	0	4
58	MP2B	X	0	4
59	MP2B	Z	3.522	4
60	MP2B	Mx	.002	4
61	MP2C	X	0	4
62	MP2C	Z	3.742	4
63	MP2C	Mx	-.002	4
64	MP1A	X	0	4
65	MP1A	Z	4.973	4
66	MP1A	Mx	0	4
67	MP1B	X	0	4
68	MP1B	Z	2.959	4
69	MP1B	Mx	.001	4
70	MP1C	X	0	4
71	MP1C	Z	3.263	4
72	MP1C	Mx	-.001	4
73	MP1A	X	0	1.5
74	MP1A	Z	11.472	1.5
75	MP1A	Mx	0	1.5
76	MP1A	X	0	7
77	MP1A	Z	11.472	7
78	MP1A	Mx	0	7
79	MP1B	X	0	1.5
80	MP1B	Z	6.528	1.5
81	MP1B	Mx	-.003	1.5
82	MP1B	X	0	7
83	MP1B	Z	6.528	7
84	MP1B	Mx	-.003	7
85	MP1C	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1C	Z	7.273	1.5
87	MP1C	Mx	.003	1.5
88	MP1C	X	0	7
89	MP1C	Z	7.273	7
90	MP1C	Mx	.003	7
91	M131A	X	0	2.5
92	M131A	Z	4.584	2.5
93	M131A	Mx	0	2.5
94	M132	X	0	2.5
95	M132	Z	4.584	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.159	2
2	MP2A	Z	10.668	2
3	MP2A	Mx	.01	2
4	MP2A	X	-6.159	6
5	MP2A	Z	10.668	6
6	MP2A	Mx	.01	6
7	MP2B	X	-4.944	2
8	MP2B	Z	8.563	2
9	MP2B	Mx	-.004	2
10	MP2B	X	-4.944	6
11	MP2B	Z	8.563	6
12	MP2B	Mx	-.004	6
13	MP2C	X	-6.159	2
14	MP2C	Z	10.668	2
15	MP2C	Mx	-.004	2
16	MP2C	X	-6.159	6
17	MP2C	Z	10.668	6
18	MP2C	Mx	-.004	6
19	MP2A	X	-6.159	2
20	MP2A	Z	10.668	2
21	MP2A	Mx	-.004	2
22	MP2A	X	-6.159	6
23	MP2A	Z	10.668	6
24	MP2A	Mx	-.004	6
25	MP2B	X	-4.944	2
26	MP2B	Z	8.563	2
27	MP2B	Mx	-.006	2
28	MP2B	X	-4.944	6
29	MP2B	Z	8.563	6
30	MP2B	Mx	-.006	6
31	MP2C	X	-6.159	2
32	MP2C	Z	10.668	2
33	MP2C	Mx	.01	2
34	MP2C	X	-6.159	6
35	MP2C	Z	10.668	6
36	MP2C	Mx	.01	6
37	MP3A	X	-2.657	3
38	MP3A	Z	4.602	3
39	MP3A	Mx	.001	3
40	MP3A	X	-2.657	5
41	MP3A	Z	4.602	5
42	MP3A	Mx	.001	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	-1.284	3
44	MP3B	Z	2.225	3
45	MP3B	Mx	-.001	3
46	MP3B	X	-1.284	5
47	MP3B	Z	2.225	5
48	MP3B	Mx	-.001	5
49	MP3C	X	-2.657	3
50	MP3C	Z	4.602	3
51	MP3C	Mx	.001	3
52	MP3C	X	-2.657	5
53	MP3C	Z	4.602	5
54	MP3C	Mx	.001	5
55	MP2A	X	-2.284	4
56	MP2A	Z	3.956	4
57	MP2A	Mx	-.001	4
58	MP2B	X	-1.689	4
59	MP2B	Z	2.926	4
60	MP2B	Mx	.002	4
61	MP2C	X	-2.284	4
62	MP2C	Z	3.956	4
63	MP2C	Mx	-.001	4
64	MP1A	X	-2.202	4
65	MP1A	Z	3.813	4
66	MP1A	Mx	-.001	4
67	MP1B	X	-1.381	4
68	MP1B	Z	2.392	4
69	MP1B	Mx	.001	4
70	MP1C	X	-2.202	4
71	MP1C	Z	3.813	4
72	MP1C	Mx	-.001	4
73	MP1A	X	-5.036	1.5
74	MP1A	Z	8.723	1.5
75	MP1A	Mx	.003	1.5
76	MP1A	X	-5.036	7
77	MP1A	Z	8.723	7
78	MP1A	Mx	.003	7
79	MP1B	X	-3.021	1.5
80	MP1B	Z	5.233	1.5
81	MP1B	Mx	-.003	1.5
82	MP1B	X	-3.021	7
83	MP1B	Z	5.233	7
84	MP1B	Mx	-.003	7
85	MP1C	X	-5.036	1.5
86	MP1C	Z	8.723	1.5
87	MP1C	Mx	.003	1.5
88	MP1C	X	-5.036	7
89	MP1C	Z	8.723	7
90	MP1C	Mx	.003	7
91	M131A	X	-2.191	2.5
92	M131A	Z	3.795	2.5
93	M131A	Mx	0	2.5
94	M132	X	-2.191	2.5
95	M132	Z	3.795	2.5
96	M132	Mx	0	2.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-9.206	2
2	MP2A	Z	5.315	2
3	MP2A	Mx	.008	2
4	MP2A	X	-9.206	6
5	MP2A	Z	5.315	6
6	MP2A	Mx	.008	6
7	MP2B	X	-9.683	2
8	MP2B	Z	5.591	2
9	MP2B	Mx	.000508	2
10	MP2B	X	-9.683	6
11	MP2B	Z	5.591	6
12	MP2B	Mx	.000508	6
13	MP2C	X	-11.399	2
14	MP2C	Z	6.581	2
15	MP2C	Mx	-.009	2
16	MP2C	X	-11.399	6
17	MP2C	Z	6.581	6
18	MP2C	Mx	-.009	6
19	MP2A	X	-9.206	2
20	MP2A	Z	5.315	2
21	MP2A	Mx	.001	2
22	MP2A	X	-9.206	6
23	MP2A	Z	5.315	6
24	MP2A	Mx	.001	6
25	MP2B	X	-9.683	2
26	MP2B	Z	5.591	2
27	MP2B	Mx	-.009	2
28	MP2B	X	-9.683	6
29	MP2B	Z	5.591	6
30	MP2B	Mx	-.009	6
31	MP2C	X	-11.399	2
32	MP2C	Z	6.581	2
33	MP2C	Mx	.009	2
34	MP2C	X	-11.399	6
35	MP2C	Z	6.581	6
36	MP2C	Mx	.009	6
37	MP3A	X	-2.951	3
38	MP3A	Z	1.704	3
39	MP3A	Mx	.001	3
40	MP3A	X	-2.951	5
41	MP3A	Z	1.704	5
42	MP3A	Mx	.001	5
43	MP3B	X	-3.49	3
44	MP3B	Z	2.015	3
45	MP3B	Mx	-.002	3
46	MP3B	X	-3.49	5
47	MP3B	Z	2.015	5
48	MP3B	Mx	-.002	5
49	MP3C	X	-5.428	3
50	MP3C	Z	3.134	3
51	MP3C	Mx	0	3
52	MP3C	X	-5.428	5
53	MP3C	Z	3.134	5
54	MP3C	Mx	0	5
55	MP2A	X	-3.241	4
56	MP2A	Z	1.871	4
57	MP2A	Mx	-.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-3.474	4
59	MP2B	Z	2.006	4
60	MP2B	Mx	.002	4
61	MP2C	X	-4.313	4
62	MP2C	Z	2.49	4
63	MP2C	Mx	0	4
64	MP1A	X	-2.826	4
65	MP1A	Z	1.631	4
66	MP1A	Mx	-.001	4
67	MP1B	X	-3.148	4
68	MP1B	Z	1.817	4
69	MP1B	Mx	.001	4
70	MP1C	X	-4.307	4
71	MP1C	Z	2.487	4
72	MP1C	Mx	0	4
73	MP1A	X	-6.299	1.5
74	MP1A	Z	3.636	1.5
75	MP1A	Mx	.003	1.5
76	MP1A	X	-6.299	7
77	MP1A	Z	3.636	7
78	MP1A	Mx	.003	7
79	MP1B	X	-7.09	1.5
80	MP1B	Z	4.093	1.5
81	MP1B	Mx	-.003	1.5
82	MP1B	X	-7.09	7
83	MP1B	Z	4.093	7
84	MP1B	Mx	-.003	7
85	MP1C	X	-9.935	1.5
86	MP1C	Z	5.736	1.5
87	MP1C	Mx	0	1.5
88	MP1C	X	-9.935	7
89	MP1C	Z	5.736	7
90	MP1C	Mx	0	7
91	M131A	X	-4.567	2.5
92	M131A	Z	2.637	2.5
93	M131A	Mx	0	2.5
94	M132	X	-4.567	2.5
95	M132	Z	2.637	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-9.786	2
2	MP2A	Z	0	2
3	MP2A	Mx	.005	2
4	MP2A	X	-9.786	6
5	MP2A	Z	0	6
6	MP2A	Mx	.005	6
7	MP2B	X	-12.768	2
8	MP2B	Z	0	2
9	MP2B	Mx	.006	2
10	MP2B	X	-12.768	6
11	MP2B	Z	0	6
12	MP2B	Mx	.006	6
13	MP2C	X	-12.318	2
14	MP2C	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2C	Mx	-.01	2
16	MP2C	X	-12.318	6
17	MP2C	Z	0	6
18	MP2C	Mx	-.01	6
19	MP2A	X	-9.786	2
20	MP2A	Z	0	2
21	MP2A	Mx	.005	2
22	MP2A	X	-9.786	6
23	MP2A	Z	0	6
24	MP2A	Mx	.005	6
25	MP2B	X	-12.768	2
26	MP2B	Z	0	2
27	MP2B	Mx	-.01	2
28	MP2B	X	-12.768	6
29	MP2B	Z	0	6
30	MP2B	Mx	-.01	6
31	MP2C	X	-12.318	2
32	MP2C	Z	0	2
33	MP2C	Mx	.004	2
34	MP2C	X	-12.318	6
35	MP2C	Z	0	6
36	MP2C	Mx	.004	6
37	MP3A	X	-2.454	3
38	MP3A	Z	0	3
39	MP3A	Mx	.001	3
40	MP3A	X	-2.454	5
41	MP3A	Z	0	5
42	MP3A	Mx	.001	5
43	MP3B	X	-5.822	3
44	MP3B	Z	0	3
45	MP3B	Mx	-.000996	3
46	MP3B	X	-5.822	5
47	MP3B	Z	0	5
48	MP3B	Mx	-.000996	5
49	MP3C	X	-5.314	3
50	MP3C	Z	0	3
51	MP3C	Mx	-.001	3
52	MP3C	X	-5.314	5
53	MP3C	Z	0	5
54	MP3C	Mx	-.001	5
55	MP2A	X	-3.329	4
56	MP2A	Z	0	4
57	MP2A	Mx	-.002	4
58	MP2B	X	-4.787	4
59	MP2B	Z	0	4
60	MP2B	Mx	.000819	4
61	MP2C	X	-4.568	4
62	MP2C	Z	0	4
63	MP2C	Mx	.001	4
64	MP1A	X	-2.693	4
65	MP1A	Z	0	4
66	MP1A	Mx	-.001	4
67	MP1B	X	-4.706	4
68	MP1B	Z	0	4
69	MP1B	Mx	.000805	4
70	MP1C	X	-4.403	4
71	MP1C	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP1C	Mx	.001	4
73	MP1A	X	-5.873	1.5
74	MP1A	Z	0	1.5
75	MP1A	Mx	.003	1.5
76	MP1A	X	-5.873	7
77	MP1A	Z	0	7
78	MP1A	Mx	.003	7
79	MP1B	X	-10.817	1.5
80	MP1B	Z	0	1.5
81	MP1B	Mx	-.002	1.5
82	MP1B	X	-10.817	7
83	MP1B	Z	0	7
84	MP1B	Mx	-.002	7
85	MP1C	X	-10.072	1.5
86	MP1C	Z	0	1.5
87	MP1C	Mx	-.003	1.5
88	MP1C	X	-10.072	7
89	MP1C	Z	0	7
90	MP1C	Mx	-.003	7
91	M131A	X	-6.367	2.5
92	M131A	Z	0	2.5
93	M131A	Mx	0	2.5
94	M132	X	-6.367	2.5
95	M132	Z	0	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-9.206	2
2	MP2A	Z	-5.315	2
3	MP2A	Mx	.001	2
4	MP2A	X	-9.206	6
5	MP2A	Z	-5.315	6
6	MP2A	Mx	.001	6
7	MP2B	X	-11.311	2
8	MP2B	Z	-6.53	2
9	MP2B	Mx	.01	2
10	MP2B	X	-11.311	6
11	MP2B	Z	-6.53	6
12	MP2B	Mx	.01	6
13	MP2C	X	-9.206	2
14	MP2C	Z	-5.315	2
15	MP2C	Mx	-.008	2
16	MP2C	X	-9.206	6
17	MP2C	Z	-5.315	6
18	MP2C	Mx	-.008	6
19	MP2A	X	-9.206	2
20	MP2A	Z	-5.315	2
21	MP2A	Mx	.008	2
22	MP2A	X	-9.206	6
23	MP2A	Z	-5.315	6
24	MP2A	Mx	.008	6
25	MP2B	X	-11.311	2
26	MP2B	Z	-6.53	2
27	MP2B	Mx	-.007	2
28	MP2B	X	-11.311	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	-6.53	6
30	MP2B	Mx	-.007	6
31	MP2C	X	-9.206	2
32	MP2C	Z	-5.315	2
33	MP2C	Mx	-.001	2
34	MP2C	X	-9.206	6
35	MP2C	Z	-5.315	6
36	MP2C	Mx	-.001	6
37	MP3A	X	-2.951	3
38	MP3A	Z	-1.704	3
39	MP3A	Mx	.001	3
40	MP3A	X	-2.951	5
41	MP3A	Z	-1.704	5
42	MP3A	Mx	.001	5
43	MP3B	X	-5.329	3
44	MP3B	Z	-3.076	3
45	MP3B	Mx	.000534	3
46	MP3B	X	-5.329	5
47	MP3B	Z	-3.076	5
48	MP3B	Mx	.000534	5
49	MP3C	X	-2.951	3
50	MP3C	Z	-1.704	3
51	MP3C	Mx	-.001	3
52	MP3C	X	-2.951	5
53	MP3C	Z	-1.704	5
54	MP3C	Mx	-.001	5
55	MP2A	X	-3.241	4
56	MP2A	Z	-1.871	4
57	MP2A	Mx	-.002	4
58	MP2B	X	-4.27	4
59	MP2B	Z	-2.465	4
60	MP2B	Mx	-.000428	4
61	MP2C	X	-3.241	4
62	MP2C	Z	-1.871	4
63	MP2C	Mx	.002	4
64	MP1A	X	-2.826	4
65	MP1A	Z	-1.631	4
66	MP1A	Mx	-.001	4
67	MP1B	X	-4.247	4
68	MP1B	Z	-2.452	4
69	MP1B	Mx	-.000426	4
70	MP1C	X	-2.826	4
71	MP1C	Z	-1.631	4
72	MP1C	Mx	.001	4
73	MP1A	X	-6.299	1.5
74	MP1A	Z	-3.636	1.5
75	MP1A	Mx	.003	1.5
76	MP1A	X	-6.299	7
77	MP1A	Z	-3.636	7
78	MP1A	Mx	.003	7
79	MP1B	X	-9.789	1.5
80	MP1B	Z	-5.652	1.5
81	MP1B	Mx	.000982	1.5
82	MP1B	X	-9.789	7
83	MP1B	Z	-5.652	7
84	MP1B	Mx	.000982	7
85	MP1C	X	-6.299	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1C	Z	-3.636	1.5
87	MP1C	Mx	-.003	1.5
88	MP1C	X	-6.299	7
89	MP1C	Z	-3.636	7
90	MP1C	Mx	-.003	7
91	M131A	X	-5.689	2.5
92	M131A	Z	-3.284	2.5
93	M131A	Mx	0	2.5
94	M132	X	-5.689	2.5
95	M132	Z	-3.284	2.5
96	M132	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.159	2
2	MP2A	Z	-10.668	2
3	MP2A	Mx	-.004	2
4	MP2A	X	-6.159	6
5	MP2A	Z	-10.668	6
6	MP2A	Mx	-.004	6
7	MP2B	X	-5.884	2
8	MP2B	Z	-10.191	2
9	MP2B	Mx	.01	2
10	MP2B	X	-5.884	6
11	MP2B	Z	-10.191	6
12	MP2B	Mx	.01	6
13	MP2C	X	-4.893	2
14	MP2C	Z	-8.475	2
15	MP2C	Mx	-.005	2
16	MP2C	X	-4.893	6
17	MP2C	Z	-8.475	6
18	MP2C	Mx	-.005	6
19	MP2A	X	-6.159	2
20	MP2A	Z	-10.668	2
21	MP2A	Mx	.01	2
22	MP2A	X	-6.159	6
23	MP2A	Z	-10.668	6
24	MP2A	Mx	.01	6
25	MP2B	X	-5.884	2
26	MP2B	Z	-10.191	2
27	MP2B	Mx	-.002	2
28	MP2B	X	-5.884	6
29	MP2B	Z	-10.191	6
30	MP2B	Mx	-.002	6
31	MP2C	X	-4.893	2
32	MP2C	Z	-8.475	2
33	MP2C	Mx	-.005	2
34	MP2C	X	-4.893	6
35	MP2C	Z	-8.475	6
36	MP2C	Mx	-.005	6
37	MP3A	X	-2.657	3
38	MP3A	Z	-4.602	3
39	MP3A	Mx	.001	3
40	MP3A	X	-2.657	5
41	MP3A	Z	-4.602	5
42	MP3A	Mx	.001	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	-2.346	3
44	MP3B	Z	-4.063	3
45	MP3B	Mx	.002	3
46	MP3B	X	-2.346	5
47	MP3B	Z	-4.063	5
48	MP3B	Mx	.002	5
49	MP3C	X	-1.227	3
50	MP3C	Z	-2.125	3
51	MP3C	Mx	-.001	3
52	MP3C	X	-1.227	5
53	MP3C	Z	-2.125	5
54	MP3C	Mx	-.001	5
55	MP2A	X	-2.284	4
56	MP2A	Z	-3.956	4
57	MP2A	Mx	-.001	4
58	MP2B	X	-2.149	4
59	MP2B	Z	-3.722	4
60	MP2B	Mx	-.001	4
61	MP2C	X	-1.665	4
62	MP2C	Z	-2.883	4
63	MP2C	Mx	.002	4
64	MP1A	X	-2.202	4
65	MP1A	Z	-3.813	4
66	MP1A	Mx	-.001	4
67	MP1B	X	-2.015	4
68	MP1B	Z	-3.491	4
69	MP1B	Mx	-.001	4
70	MP1C	X	-1.346	4
71	MP1C	Z	-2.332	4
72	MP1C	Mx	.001	4
73	MP1A	X	-5.036	1.5
74	MP1A	Z	-8.723	1.5
75	MP1A	Mx	.003	1.5
76	MP1A	X	-5.036	7
77	MP1A	Z	-8.723	7
78	MP1A	Mx	.003	7
79	MP1B	X	-4.579	1.5
80	MP1B	Z	-7.932	1.5
81	MP1B	Mx	.003	1.5
82	MP1B	X	-4.579	7
83	MP1B	Z	-7.932	7
84	MP1B	Mx	.003	7
85	MP1C	X	-2.937	1.5
86	MP1C	Z	-5.086	1.5
87	MP1C	Mx	-.003	1.5
88	MP1C	X	-2.937	7
89	MP1C	Z	-5.086	7
90	MP1C	Mx	-.003	7
91	M131A	X	-2.839	2.5
92	M131A	Z	-4.917	2.5
93	M131A	Mx	0	2.5
94	M132	X	-2.839	2.5
95	M132	Z	-4.917	2.5
96	M132	Mx	0	2.5

Member Point Loads (BLC 77 : Lm1)

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

Member Point Loads (BLC 77 : Lm1) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%43

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%75

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%100

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-6.589	-6.589	0	%100
2	M4	Y	-9.641	-9.641	0	%100
3	M10	Y	-9.641	-9.641	0	%100
4	MP1A	Y	-4.998	-4.998	0	%100
5	M43	Y	-9.641	-9.641	0	%100
6	M46	Y	-10.156	-10.156	0	%100
7	M51B	Y	-5.639	-5.639	0	%100
8	M52B	Y	-5.639	-5.639	0	%100
9	M76	Y	-10.143	-10.143	0	%100
10	M77	Y	-10.143	-10.143	0	%100
11	M80	Y	-10.156	-10.156	0	%100
12	M84	Y	-10.143	-10.143	0	%100
13	M85	Y	-10.143	-10.143	0	%100
14	M91	Y	-10.156	-10.156	0	%100
15	M52A	Y	-9.641	-9.641	0	%100
16	M53	Y	-9.641	-9.641	0	%100
17	M54	Y	-9.641	-9.641	0	%100
18	M55	Y	-10.156	-10.156	0	%100
19	M58A	Y	-5.639	-5.639	0	%100
20	M59A	Y	-5.639	-5.639	0	%100
21	M63	Y	-10.143	-10.143	0	%100
22	M64	Y	-10.143	-10.143	0	%100
23	M66	Y	-10.156	-10.156	0	%100
24	M68	Y	-10.143	-10.143	0	%100
25	M69	Y	-10.143	-10.143	0	%100
26	M71	Y	-10.156	-10.156	0	%100
27	M76A	Y	-9.641	-9.641	0	%100
28	M77A	Y	-9.641	-9.641	0	%100
29	M78	Y	-9.641	-9.641	0	%100
30	M79A	Y	-10.156	-10.156	0	%100
31	M82	Y	-5.639	-5.639	0	%100
32	M83A	Y	-5.639	-5.639	0	%100
33	M87	Y	-10.143	-10.143	0	%100
34	M88A	Y	-10.143	-10.143	0	%100
35	M90	Y	-10.156	-10.156	0	%100
36	M92A	Y	-10.143	-10.143	0	%100
37	M93	Y	-10.143	-10.143	0	%100
38	M95	Y	-10.156	-10.156	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
39	M82A	Y	-6.589	-6.589	0	%100
40	M91B	Y	-6.589	-6.589	0	%100
41	M100	Y	-4.998	-4.998	0	%100
42	M105	Y	-4.998	-4.998	0	%100
43	M109	Y	-4.998	-4.998	0	%100
44	M86A	Y	-6.64	-6.64	0	%100
45	M99A	Y	-6.64	-6.64	0	%100
46	M105A	Y	-6.64	-6.64	0	%100
47	MP2A	Y	-6.589	-6.589	0	%100
48	MP3A	Y	-4.998	-4.998	0	%100
49	MP4A	Y	-4.998	-4.998	0	%100
50	MP1C	Y	-4.998	-4.998	0	%100
51	MP3C	Y	-4.998	-4.998	0	%100
52	MP4C	Y	-4.998	-4.998	0	%100
53	MP1B	Y	-4.998	-4.998	0	%100
54	MP3B	Y	-4.998	-4.998	0	%100
55	MP4B	Y	-4.998	-4.998	0	%100
56	M126	Y	-9.242	-9.242	0	%100
57	M127A	Y	-9.242	-9.242	0	%100
58	M128A	Y	-9.242	-9.242	0	%100
59	M131A	Y	-4.998	-4.998	0	%100
60	M132	Y	-4.998	-4.998	0	%100
61	MP2C	Y	-6.589	-6.589	0	%100
62	MP2B	Y	-6.589	-6.589	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-13.658	-13.658	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-11.738	-11.738	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-9.268	-9.268	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-11.738	-11.738	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	-23.413	-23.413	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	-3.25	-3.25	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	-3.25	-3.25	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	-5.962	-5.962	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	-6.279	-6.279	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	-5.962	-5.962	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	-6.279	-6.279	0	%100
29	M52A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	M52A	Z	-10.404	-10.404	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	-2.935	-2.935	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	-2.935	-2.935	0	%100
35	M55	X	0	0	0	%100
36	M55	Z	-5.853	-5.853	0	%100
37	M58A	X	0	0	0	%100
38	M58A	Z	-3.25	-3.25	0	%100
39	M59A	X	0	0	0	%100
40	M59A	Z	-13.001	-13.001	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	-17.56	-17.56	0	%100
43	M64	X	0	0	0	%100
44	M64	Z	-5.962	-5.962	0	%100
45	M66	X	0	0	0	%100
46	M66	Z	-6.279	-6.279	0	%100
47	M68	X	0	0	0	%100
48	M68	Z	-17.56	-17.56	0	%100
49	M69	X	0	0	0	%100
50	M69	Z	-23.847	-23.847	0	%100
51	M71	X	0	0	0	%100
52	M71	Z	-25.117	-25.117	0	%100
53	M76A	X	0	0	0	%100
54	M76A	Z	-10.404	-10.404	0	%100
55	M77A	X	0	0	0	%100
56	M77A	Z	-2.935	-2.935	0	%100
57	M78	X	0	0	0	%100
58	M78	Z	-2.935	-2.935	0	%100
59	M79A	X	0	0	0	%100
60	M79A	Z	-5.853	-5.853	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	-13.001	-13.001	0	%100
63	M83A	X	0	0	0	%100
64	M83A	Z	-3.25	-3.25	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	-17.56	-17.56	0	%100
67	M88A	X	0	0	0	%100
68	M88A	Z	-23.847	-23.847	0	%100
69	M90	X	0	0	0	%100
70	M90	Z	-25.117	-25.117	0	%100
71	M92A	X	0	0	0	%100
72	M92A	Z	-17.56	-17.56	0	%100
73	M93	X	0	0	0	%100
74	M93	Z	-5.962	-5.962	0	%100
75	M95	X	0	0	0	%100
76	M95	Z	-6.279	-6.279	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	-3.414	-3.414	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	-3.414	-3.414	0	%100
81	M100	X	0	0	0	%100
82	M100	Z	-9.268	-9.268	0	%100
83	M105	X	0	0	0	%100
84	M105	Z	-2.317	-2.317	0	%100
85	M109	X	0	0	0	%100
86	M109	Z	-2.317	-2.317	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
87	M86A	X	0	0	0	%100
88	M86A	Z	-1.659	-1.659	0	%100
89	M99A	X	0	0	0	%100
90	M99A	Z	-10.733	-10.733	0	%100
91	M105A	X	0	0	0	%100
92	M105A	Z	-3.953	-3.953	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	-13.405	-13.405	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	-9.268	-9.268	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	-9.268	-9.268	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-9.268	-9.268	0	%100
101	MP3C	X	0	0	0	%100
102	MP3C	Z	-9.268	-9.268	0	%100
103	MP4C	X	0	0	0	%100
104	MP4C	Z	-9.268	-9.268	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	-9.268	-9.268	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	-9.268	-9.268	0	%100
109	MP4B	X	0	0	0	%100
110	MP4B	Z	-9.268	-9.268	0	%100
111	M126	X	0	0	0	%100
112	M126	Z	-4.909	-4.909	0	%100
113	M127A	X	0	0	0	%100
114	M127A	Z	-12.868	-12.868	0	%100
115	M128A	X	0	0	0	%100
116	M128A	Z	-12.868	-12.868	0	%100
117	M131A	X	0	0	0	%100
118	M131A	Z	-9.268	-9.268	0	%100
119	M132	X	0	0	0	%100
120	M132	Z	-9.268	-9.268	0	%100
121	MP2C	X	0	0	0	%100
122	MP2C	Z	-13.405	-13.405	0	%100
123	MP2B	X	0	0	0	%100
124	MP2B	Z	-13.405	-13.405	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.122	5.122	0	%100
2	M1	Z	-8.871	-8.871	0	%100
3	M4	X	1.734	1.734	0	%100
4	M4	Z	-3.003	-3.003	0	%100
5	M10	X	4.402	4.402	0	%100
6	M10	Z	-7.624	-7.624	0	%100
7	MP1A	X	4.634	4.634	0	%100
8	MP1A	Z	-8.026	-8.026	0	%100
9	M43	X	4.402	4.402	0	%100
10	M43	Z	-7.624	-7.624	0	%100
11	M46	X	8.78	8.78	0	%100
12	M46	Z	-15.207	-15.207	0	%100
13	M51B	X	4.875	4.875	0	%100
14	M51B	Z	-8.444	-8.444	0	%100
15	M52B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M52B	Z	0	0	0	%100
17	M76	X	2.927	2.927	0	%100
18	M76	Z	-5.069	-5.069	0	%100
19	M77	X	8.943	8.943	0	%100
20	M77	Z	-15.489	-15.489	0	%100
21	M80	X	9.419	9.419	0	%100
22	M80	Z	-16.314	-16.314	0	%100
23	M84	X	2.927	2.927	0	%100
24	M84	Z	-5.069	-5.069	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M52A	X	1.734	1.734	0	%100
30	M52A	Z	-3.003	-3.003	0	%100
31	M53	X	4.402	4.402	0	%100
32	M53	Z	-7.624	-7.624	0	%100
33	M54	X	4.402	4.402	0	%100
34	M54	Z	-7.624	-7.624	0	%100
35	M55	X	8.78	8.78	0	%100
36	M55	Z	-15.207	-15.207	0	%100
37	M58A	X	0	0	0	%100
38	M58A	Z	0	0	0	%100
39	M59A	X	4.875	4.875	0	%100
40	M59A	Z	-8.444	-8.444	0	%100
41	M63	X	2.927	2.927	0	%100
42	M63	Z	-5.069	-5.069	0	%100
43	M64	X	0	0	0	%100
44	M64	Z	0	0	0	%100
45	M66	X	0	0	0	%100
46	M66	Z	0	0	0	%100
47	M68	X	2.927	2.927	0	%100
48	M68	Z	-5.069	-5.069	0	%100
49	M69	X	8.943	8.943	0	%100
50	M69	Z	-15.489	-15.489	0	%100
51	M71	X	9.419	9.419	0	%100
52	M71	Z	-16.314	-16.314	0	%100
53	M76A	X	6.936	6.936	0	%100
54	M76A	Z	-12.014	-12.014	0	%100
55	M77A	X	0	0	0	%100
56	M77A	Z	0	0	0	%100
57	M78	X	0	0	0	%100
58	M78	Z	0	0	0	%100
59	M79A	X	0	0	0	%100
60	M79A	Z	0	0	0	%100
61	M82	X	4.875	4.875	0	%100
62	M82	Z	-8.444	-8.444	0	%100
63	M83A	X	4.875	4.875	0	%100
64	M83A	Z	-8.444	-8.444	0	%100
65	M87	X	11.707	11.707	0	%100
66	M87	Z	-20.277	-20.277	0	%100
67	M88A	X	8.943	8.943	0	%100
68	M88A	Z	-15.489	-15.489	0	%100
69	M90	X	9.419	9.419	0	%100
70	M90	Z	-16.314	-16.314	0	%100
71	M92A	X	11.707	11.707	0	%100
72	M92A	Z	-20.277	-20.277	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M93	X	8.943	8.943	0	%100
74	M93	Z	-15.489	-15.489	0	%100
75	M95	X	9.419	9.419	0	%100
76	M95	Z	-16.314	-16.314	0	%100
77	M82A	X	5.122	5.122	0	%100
78	M82A	Z	-8.871	-8.871	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	0	0	0	%100
81	M100	X	3.475	3.475	0	%100
82	M100	Z	-6.02	-6.02	0	%100
83	M105	X	3.475	3.475	0	%100
84	M105	Z	-6.02	-6.02	0	%100
85	M109	X	0	0	0	%100
86	M109	Z	0	0	0	%100
87	M86A	X	.082	.082	0	%100
88	M86A	Z	-.142	-.142	0	%100
89	M99A	X	3.472	3.472	0	%100
90	M99A	Z	-6.013	-6.013	0	%100
91	M105A	X	4.619	4.619	0	%100
92	M105A	Z	-8	-8	0	%100
93	MP2A	X	6.702	6.702	0	%100
94	MP2A	Z	-11.609	-11.609	0	%100
95	MP3A	X	4.634	4.634	0	%100
96	MP3A	Z	-8.026	-8.026	0	%100
97	MP4A	X	4.634	4.634	0	%100
98	MP4A	Z	-8.026	-8.026	0	%100
99	MP1C	X	4.634	4.634	0	%100
100	MP1C	Z	-8.026	-8.026	0	%100
101	MP3C	X	4.634	4.634	0	%100
102	MP3C	Z	-8.026	-8.026	0	%100
103	MP4C	X	4.634	4.634	0	%100
104	MP4C	Z	-8.026	-8.026	0	%100
105	MP1B	X	4.634	4.634	0	%100
106	MP1B	Z	-8.026	-8.026	0	%100
107	MP3B	X	4.634	4.634	0	%100
108	MP3B	Z	-8.026	-8.026	0	%100
109	MP4B	X	4.634	4.634	0	%100
110	MP4B	Z	-8.026	-8.026	0	%100
111	M126	X	3.781	3.781	0	%100
112	M126	Z	-6.549	-6.549	0	%100
113	M127A	X	3.781	3.781	0	%100
114	M127A	Z	-6.549	-6.549	0	%100
115	M128A	X	7.76	7.76	0	%100
116	M128A	Z	-13.441	-13.441	0	%100
117	M131A	X	4.634	4.634	0	%100
118	M131A	Z	-8.026	-8.026	0	%100
119	M132	X	4.634	4.634	0	%100
120	M132	Z	-8.026	-8.026	0	%100
121	MP2C	X	6.702	6.702	0	%100
122	MP2C	Z	-11.609	-11.609	0	%100
123	MP2B	X	6.702	6.702	0	%100
124	MP2B	Z	-11.609	-11.609	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.957	2.957	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
2	M1	Z	-1.707	-1.707	0	%100
3	M4	X	9.01	9.01	0	%100
4	M4	Z	-5.202	-5.202	0	%100
5	M10	X	2.541	2.541	0	%100
6	M10	Z	-1.467	-1.467	0	%100
7	MP1A	X	8.026	8.026	0	%100
8	MP1A	Z	-4.634	-4.634	0	%100
9	M43	X	2.541	2.541	0	%100
10	M43	Z	-1.467	-1.467	0	%100
11	M46	X	5.069	5.069	0	%100
12	M46	Z	-2.927	-2.927	0	%100
13	M51B	X	11.259	11.259	0	%100
14	M51B	Z	-6.5	-6.5	0	%100
15	M52B	X	2.815	2.815	0	%100
16	M52B	Z	-1.625	-1.625	0	%100
17	M76	X	15.207	15.207	0	%100
18	M76	Z	-8.78	-8.78	0	%100
19	M77	X	20.652	20.652	0	%100
20	M77	Z	-11.923	-11.923	0	%100
21	M80	X	21.752	21.752	0	%100
22	M80	Z	-12.559	-12.559	0	%100
23	M84	X	15.207	15.207	0	%100
24	M84	Z	-8.78	-8.78	0	%100
25	M85	X	5.163	5.163	0	%100
26	M85	Z	-2.981	-2.981	0	%100
27	M91	X	5.438	5.438	0	%100
28	M91	Z	-3.14	-3.14	0	%100
29	M52A	X	0	0	0	%100
30	M52A	Z	0	0	0	%100
31	M53	X	10.166	10.166	0	%100
32	M53	Z	-5.869	-5.869	0	%100
33	M54	X	10.166	10.166	0	%100
34	M54	Z	-5.869	-5.869	0	%100
35	M55	X	20.277	20.277	0	%100
36	M55	Z	-11.707	-11.707	0	%100
37	M58A	X	2.815	2.815	0	%100
38	M58A	Z	-1.625	-1.625	0	%100
39	M59A	X	2.815	2.815	0	%100
40	M59A	Z	-1.625	-1.625	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	0	0	0	%100
43	M64	X	5.163	5.163	0	%100
44	M64	Z	-2.981	-2.981	0	%100
45	M66	X	5.438	5.438	0	%100
46	M66	Z	-3.14	-3.14	0	%100
47	M68	X	0	0	0	%100
48	M68	Z	0	0	0	%100
49	M69	X	5.163	5.163	0	%100
50	M69	Z	-2.981	-2.981	0	%100
51	M71	X	5.438	5.438	0	%100
52	M71	Z	-3.14	-3.14	0	%100
53	M76A	X	9.01	9.01	0	%100
54	M76A	Z	-5.202	-5.202	0	%100
55	M77A	X	2.541	2.541	0	%100
56	M77A	Z	-1.467	-1.467	0	%100
57	M78	X	2.541	2.541	0	%100
58	M78	Z	-1.467	-1.467	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
59	M79A	X	5.069	5.069	0	%100
60	M79A	Z	-2.927	-2.927	0	%100
61	M82	X	2.815	2.815	0	%100
62	M82	Z	-1.625	-1.625	0	%100
63	M83A	X	11.259	11.259	0	%100
64	M83A	Z	-6.5	-6.5	0	%100
65	M87	X	15.207	15.207	0	%100
66	M87	Z	-8.78	-8.78	0	%100
67	M88A	X	5.163	5.163	0	%100
68	M88A	Z	-2.981	-2.981	0	%100
69	M90	X	5.438	5.438	0	%100
70	M90	Z	-3.14	-3.14	0	%100
71	M92A	X	15.207	15.207	0	%100
72	M92A	Z	-8.78	-8.78	0	%100
73	M93	X	20.652	20.652	0	%100
74	M93	Z	-11.923	-11.923	0	%100
75	M95	X	21.752	21.752	0	%100
76	M95	Z	-12.559	-12.559	0	%100
77	M82A	X	11.828	11.828	0	%100
78	M82A	Z	-6.829	-6.829	0	%100
79	M91B	X	2.957	2.957	0	%100
80	M91B	Z	-1.707	-1.707	0	%100
81	M100	X	2.007	2.007	0	%100
82	M100	Z	-1.158	-1.158	0	%100
83	M105	X	8.026	8.026	0	%100
84	M105	Z	-4.634	-4.634	0	%100
85	M109	X	2.007	2.007	0	%100
86	M109	Z	-1.158	-1.158	0	%100
87	M86A	X	3.423	3.423	0	%100
88	M86A	Z	-1.976	-1.976	0	%100
89	M99A	X	1.436	1.436	0	%100
90	M99A	Z	-.829	-.829	0	%100
91	M105A	X	9.295	9.295	0	%100
92	M105A	Z	-5.366	-5.366	0	%100
93	MP2A	X	11.609	11.609	0	%100
94	MP2A	Z	-6.702	-6.702	0	%100
95	MP3A	X	8.026	8.026	0	%100
96	MP3A	Z	-4.634	-4.634	0	%100
97	MP4A	X	8.026	8.026	0	%100
98	MP4A	Z	-4.634	-4.634	0	%100
99	MP1C	X	8.026	8.026	0	%100
100	MP1C	Z	-4.634	-4.634	0	%100
101	MP3C	X	8.026	8.026	0	%100
102	MP3C	Z	-4.634	-4.634	0	%100
103	MP4C	X	8.026	8.026	0	%100
104	MP4C	Z	-4.634	-4.634	0	%100
105	MP1B	X	8.026	8.026	0	%100
106	MP1B	Z	-4.634	-4.634	0	%100
107	MP3B	X	8.026	8.026	0	%100
108	MP3B	Z	-4.634	-4.634	0	%100
109	MP4B	X	8.026	8.026	0	%100
110	MP4B	Z	-4.634	-4.634	0	%100
111	M126	X	11.144	11.144	0	%100
112	M126	Z	-6.434	-6.434	0	%100
113	M127A	X	4.251	4.251	0	%100
114	M127A	Z	-2.454	-2.454	0	%100
115	M128A	X	11.144	11.144	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
116	M128A	Z	-6.434	-6.434	0	%100
117	M131A	X	8.026	8.026	0	%100
118	M131A	Z	-4.634	-4.634	0	%100
119	M132	X	8.026	8.026	0	%100
120	M132	Z	-4.634	-4.634	0	%100
121	MP2C	X	11.609	11.609	0	%100
122	MP2C	Z	-6.702	-6.702	0	%100
123	MP2B	X	11.609	11.609	0	%100
124	MP2B	Z	-6.702	-6.702	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	13.872	13.872	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	9.268	9.268	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	9.751	9.751	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	9.751	9.751	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	23.413	23.413	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	17.885	17.885	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	18.838	18.838	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	23.413	23.413	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	17.885	17.885	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	18.838	18.838	0	%100
28	M91	Z	0	0	0	%100
29	M52A	X	3.468	3.468	0	%100
30	M52A	Z	0	0	0	%100
31	M53	X	8.804	8.804	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	8.804	8.804	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	17.56	17.56	0	%100
36	M55	Z	0	0	0	%100
37	M58A	X	9.751	9.751	0	%100
38	M58A	Z	0	0	0	%100
39	M59A	X	0	0	0	%100
40	M59A	Z	0	0	0	%100
41	M63	X	5.853	5.853	0	%100
42	M63	Z	0	0	0	%100
43	M64	X	17.885	17.885	0	%100
44	M64	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	M66	X	18.838	18.838	0	%100
46	M66	Z	0	0	0	%100
47	M68	X	5.853	5.853	0	%100
48	M68	Z	0	0	0	%100
49	M69	X	0	0	0	%100
50	M69	Z	0	0	0	%100
51	M71	X	0	0	0	%100
52	M71	Z	0	0	0	%100
53	M76A	X	3.468	3.468	0	%100
54	M76A	Z	0	0	0	%100
55	M77A	X	8.804	8.804	0	%100
56	M77A	Z	0	0	0	%100
57	M78	X	8.804	8.804	0	%100
58	M78	Z	0	0	0	%100
59	M79A	X	17.56	17.56	0	%100
60	M79A	Z	0	0	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	0	0	0	%100
63	M83A	X	9.751	9.751	0	%100
64	M83A	Z	0	0	0	%100
65	M87	X	5.853	5.853	0	%100
66	M87	Z	0	0	0	%100
67	M88A	X	0	0	0	%100
68	M88A	Z	0	0	0	%100
69	M90	X	0	0	0	%100
70	M90	Z	0	0	0	%100
71	M92A	X	5.853	5.853	0	%100
72	M92A	Z	0	0	0	%100
73	M93	X	17.885	17.885	0	%100
74	M93	Z	0	0	0	%100
75	M95	X	18.838	18.838	0	%100
76	M95	Z	0	0	0	%100
77	M82A	X	10.243	10.243	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	10.243	10.243	0	%100
80	M91B	Z	0	0	0	%100
81	M100	X	0	0	0	%100
82	M100	Z	0	0	0	%100
83	M105	X	6.951	6.951	0	%100
84	M105	Z	0	0	0	%100
85	M109	X	6.951	6.951	0	%100
86	M109	Z	0	0	0	%100
87	M86A	X	9.237	9.237	0	%100
88	M86A	Z	0	0	0	%100
89	M99A	X	.163	.163	0	%100
90	M99A	Z	0	0	0	%100
91	M105A	X	6.943	6.943	0	%100
92	M105A	Z	0	0	0	%100
93	MP2A	X	13.405	13.405	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	9.268	9.268	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	9.268	9.268	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	9.268	9.268	0	%100
100	MP1C	Z	0	0	0	%100
101	MP3C	X	9.268	9.268	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
102	MP3C	Z	0	0	0	%100
103	MP4C	X	9.268	9.268	0	%100
104	MP4C	Z	0	0	0	%100
105	MP1B	X	9.268	9.268	0	%100
106	MP1B	Z	0	0	0	%100
107	MP3B	X	9.268	9.268	0	%100
108	MP3B	Z	0	0	0	%100
109	MP4B	X	9.268	9.268	0	%100
110	MP4B	Z	0	0	0	%100
111	M126	X	15.521	15.521	0	%100
112	M126	Z	0	0	0	%100
113	M127A	X	7.562	7.562	0	%100
114	M127A	Z	0	0	0	%100
115	M128A	X	7.562	7.562	0	%100
116	M128A	Z	0	0	0	%100
117	M131A	X	9.268	9.268	0	%100
118	M131A	Z	0	0	0	%100
119	M132	X	9.268	9.268	0	%100
120	M132	Z	0	0	0	%100
121	MP2C	X	13.405	13.405	0	%100
122	MP2C	Z	0	0	0	%100
123	MP2B	X	13.405	13.405	0	%100
124	MP2B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.957	2.957	0	%100
2	M1	Z	1.707	1.707	0	%100
3	M4	X	9.01	9.01	0	%100
4	M4	Z	5.202	5.202	0	%100
5	M10	X	2.541	2.541	0	%100
6	M10	Z	1.467	1.467	0	%100
7	MP1A	X	8.026	8.026	0	%100
8	MP1A	Z	4.634	4.634	0	%100
9	M43	X	2.541	2.541	0	%100
10	M43	Z	1.467	1.467	0	%100
11	M46	X	5.069	5.069	0	%100
12	M46	Z	2.927	2.927	0	%100
13	M51B	X	2.815	2.815	0	%100
14	M51B	Z	1.625	1.625	0	%100
15	M52B	X	11.259	11.259	0	%100
16	M52B	Z	6.5	6.5	0	%100
17	M76	X	15.207	15.207	0	%100
18	M76	Z	8.78	8.78	0	%100
19	M77	X	5.163	5.163	0	%100
20	M77	Z	2.981	2.981	0	%100
21	M80	X	5.438	5.438	0	%100
22	M80	Z	3.14	3.14	0	%100
23	M84	X	15.207	15.207	0	%100
24	M84	Z	8.78	8.78	0	%100
25	M85	X	20.652	20.652	0	%100
26	M85	Z	11.923	11.923	0	%100
27	M91	X	21.752	21.752	0	%100
28	M91	Z	12.559	12.559	0	%100
29	M52A	X	9.01	9.01	0	%100
30	M52A	Z	5.202	5.202	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	M53	X	2.541	2.541	0	%100
32	M53	Z	1.467	1.467	0	%100
33	M54	X	2.541	2.541	0	%100
34	M54	Z	1.467	1.467	0	%100
35	M55	X	5.069	5.069	0	%100
36	M55	Z	2.927	2.927	0	%100
37	M58A	X	11.259	11.259	0	%100
38	M58A	Z	6.5	6.5	0	%100
39	M59A	X	2.815	2.815	0	%100
40	M59A	Z	1.625	1.625	0	%100
41	M63	X	15.207	15.207	0	%100
42	M63	Z	8.78	8.78	0	%100
43	M64	X	20.652	20.652	0	%100
44	M64	Z	11.923	11.923	0	%100
45	M66	X	21.752	21.752	0	%100
46	M66	Z	12.559	12.559	0	%100
47	M68	X	15.207	15.207	0	%100
48	M68	Z	8.78	8.78	0	%100
49	M69	X	5.163	5.163	0	%100
50	M69	Z	2.981	2.981	0	%100
51	M71	X	5.438	5.438	0	%100
52	M71	Z	3.14	3.14	0	%100
53	M76A	X	0	0	0	%100
54	M76A	Z	0	0	0	%100
55	M77A	X	10.166	10.166	0	%100
56	M77A	Z	5.869	5.869	0	%100
57	M78	X	10.166	10.166	0	%100
58	M78	Z	5.869	5.869	0	%100
59	M79A	X	20.277	20.277	0	%100
60	M79A	Z	11.707	11.707	0	%100
61	M82	X	2.815	2.815	0	%100
62	M82	Z	1.625	1.625	0	%100
63	M83A	X	2.815	2.815	0	%100
64	M83A	Z	1.625	1.625	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	0	0	0	%100
67	M88A	X	5.163	5.163	0	%100
68	M88A	Z	2.981	2.981	0	%100
69	M90	X	5.438	5.438	0	%100
70	M90	Z	3.14	3.14	0	%100
71	M92A	X	0	0	0	%100
72	M92A	Z	0	0	0	%100
73	M93	X	5.163	5.163	0	%100
74	M93	Z	2.981	2.981	0	%100
75	M95	X	5.438	5.438	0	%100
76	M95	Z	3.14	3.14	0	%100
77	M82A	X	2.957	2.957	0	%100
78	M82A	Z	1.707	1.707	0	%100
79	M91B	X	11.828	11.828	0	%100
80	M91B	Z	6.829	6.829	0	%100
81	M100	X	2.007	2.007	0	%100
82	M100	Z	1.158	1.158	0	%100
83	M105	X	2.007	2.007	0	%100
84	M105	Z	1.158	1.158	0	%100
85	M109	X	8.026	8.026	0	%100
86	M109	Z	4.634	4.634	0	%100
87	M86A	X	9.295	9.295	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
88	M86A	Z	5.366	5.366	0	%100
89	M99A	X	3.423	3.423	0	%100
90	M99A	Z	1.976	1.976	0	%100
91	M105A	X	1.436	1.436	0	%100
92	M105A	Z	.829	.829	0	%100
93	MP2A	X	11.609	11.609	0	%100
94	MP2A	Z	6.702	6.702	0	%100
95	MP3A	X	8.026	8.026	0	%100
96	MP3A	Z	4.634	4.634	0	%100
97	MP4A	X	8.026	8.026	0	%100
98	MP4A	Z	4.634	4.634	0	%100
99	MP1C	X	8.026	8.026	0	%100
100	MP1C	Z	4.634	4.634	0	%100
101	MP3C	X	8.026	8.026	0	%100
102	MP3C	Z	4.634	4.634	0	%100
103	MP4C	X	8.026	8.026	0	%100
104	MP4C	Z	4.634	4.634	0	%100
105	MP1B	X	8.026	8.026	0	%100
106	MP1B	Z	4.634	4.634	0	%100
107	MP3B	X	8.026	8.026	0	%100
108	MP3B	Z	4.634	4.634	0	%100
109	MP4B	X	8.026	8.026	0	%100
110	MP4B	Z	4.634	4.634	0	%100
111	M126	X	11.144	11.144	0	%100
112	M126	Z	6.434	6.434	0	%100
113	M127A	X	11.144	11.144	0	%100
114	M127A	Z	6.434	6.434	0	%100
115	M128A	X	4.251	4.251	0	%100
116	M128A	Z	2.454	2.454	0	%100
117	M131A	X	8.026	8.026	0	%100
118	M131A	Z	4.634	4.634	0	%100
119	M132	X	8.026	8.026	0	%100
120	M132	Z	4.634	4.634	0	%100
121	MP2C	X	11.609	11.609	0	%100
122	MP2C	Z	6.702	6.702	0	%100
123	MP2B	X	11.609	11.609	0	%100
124	MP2B	Z	6.702	6.702	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.122	5.122	0	%100
2	M1	Z	8.871	8.871	0	%100
3	M4	X	1.734	1.734	0	%100
4	M4	Z	3.003	3.003	0	%100
5	M10	X	4.402	4.402	0	%100
6	M10	Z	7.624	7.624	0	%100
7	MP1A	X	4.634	4.634	0	%100
8	MP1A	Z	8.026	8.026	0	%100
9	M43	X	4.402	4.402	0	%100
10	M43	Z	7.624	7.624	0	%100
11	M46	X	8.78	8.78	0	%100
12	M46	Z	15.207	15.207	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	4.875	4.875	0	%100
16	M52B	Z	8.444	8.444	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M76	X	2.927	2.927	0	%100
18	M76	Z	5.069	5.069	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	2.927	2.927	0	%100
24	M84	Z	5.069	5.069	0	%100
25	M85	X	8.943	8.943	0	%100
26	M85	Z	15.489	15.489	0	%100
27	M91	X	9.419	9.419	0	%100
28	M91	Z	16.314	16.314	0	%100
29	M52A	X	6.936	6.936	0	%100
30	M52A	Z	12.014	12.014	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	0	0	0	%100
36	M55	Z	0	0	0	%100
37	M58A	X	4.875	4.875	0	%100
38	M58A	Z	8.444	8.444	0	%100
39	M59A	X	4.875	4.875	0	%100
40	M59A	Z	8.444	8.444	0	%100
41	M63	X	11.707	11.707	0	%100
42	M63	Z	20.277	20.277	0	%100
43	M64	X	8.943	8.943	0	%100
44	M64	Z	15.489	15.489	0	%100
45	M66	X	9.419	9.419	0	%100
46	M66	Z	16.314	16.314	0	%100
47	M68	X	11.707	11.707	0	%100
48	M68	Z	20.277	20.277	0	%100
49	M69	X	8.943	8.943	0	%100
50	M69	Z	15.489	15.489	0	%100
51	M71	X	9.419	9.419	0	%100
52	M71	Z	16.314	16.314	0	%100
53	M76A	X	1.734	1.734	0	%100
54	M76A	Z	3.003	3.003	0	%100
55	M77A	X	4.402	4.402	0	%100
56	M77A	Z	7.624	7.624	0	%100
57	M78	X	4.402	4.402	0	%100
58	M78	Z	7.624	7.624	0	%100
59	M79A	X	8.78	8.78	0	%100
60	M79A	Z	15.207	15.207	0	%100
61	M82	X	4.875	4.875	0	%100
62	M82	Z	8.444	8.444	0	%100
63	M83A	X	0	0	0	%100
64	M83A	Z	0	0	0	%100
65	M87	X	2.927	2.927	0	%100
66	M87	Z	5.069	5.069	0	%100
67	M88A	X	8.943	8.943	0	%100
68	M88A	Z	15.489	15.489	0	%100
69	M90	X	9.419	9.419	0	%100
70	M90	Z	16.314	16.314	0	%100
71	M92A	X	2.927	2.927	0	%100
72	M92A	Z	5.069	5.069	0	%100
73	M93	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
74	M93	Z	0	0	0	%100
75	M95	X	0	0	0	%100
76	M95	Z	0	0	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	5.122	5.122	0	%100
80	M91B	Z	8.871	8.871	0	%100
81	M100	X	3.475	3.475	0	%100
82	M100	Z	6.02	6.02	0	%100
83	M105	X	0	0	0	%100
84	M105	Z	0	0	0	%100
85	M109	X	3.475	3.475	0	%100
86	M109	Z	6.02	6.02	0	%100
87	M86A	X	3.472	3.472	0	%100
88	M86A	Z	6.013	6.013	0	%100
89	M99A	X	4.619	4.619	0	%100
90	M99A	Z	8	8	0	%100
91	M105A	X	.082	.082	0	%100
92	M105A	Z	.142	.142	0	%100
93	MP2A	X	6.702	6.702	0	%100
94	MP2A	Z	11.609	11.609	0	%100
95	MP3A	X	4.634	4.634	0	%100
96	MP3A	Z	8.026	8.026	0	%100
97	MP4A	X	4.634	4.634	0	%100
98	MP4A	Z	8.026	8.026	0	%100
99	MP1C	X	4.634	4.634	0	%100
100	MP1C	Z	8.026	8.026	0	%100
101	MP3C	X	4.634	4.634	0	%100
102	MP3C	Z	8.026	8.026	0	%100
103	MP4C	X	4.634	4.634	0	%100
104	MP4C	Z	8.026	8.026	0	%100
105	MP1B	X	4.634	4.634	0	%100
106	MP1B	Z	8.026	8.026	0	%100
107	MP3B	X	4.634	4.634	0	%100
108	MP3B	Z	8.026	8.026	0	%100
109	MP4B	X	4.634	4.634	0	%100
110	MP4B	Z	8.026	8.026	0	%100
111	M126	X	3.781	3.781	0	%100
112	M126	Z	6.549	6.549	0	%100
113	M127A	X	7.76	7.76	0	%100
114	M127A	Z	13.441	13.441	0	%100
115	M128A	X	3.781	3.781	0	%100
116	M128A	Z	6.549	6.549	0	%100
117	M131A	X	4.634	4.634	0	%100
118	M131A	Z	8.026	8.026	0	%100
119	M132	X	4.634	4.634	0	%100
120	M132	Z	8.026	8.026	0	%100
121	MP2C	X	6.702	6.702	0	%100
122	MP2C	Z	11.609	11.609	0	%100
123	MP2B	X	6.702	6.702	0	%100
124	MP2B	Z	11.609	11.609	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	13.658	13.658	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	11.738	11.738	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	9.268	9.268	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	11.738	11.738	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	23.413	23.413	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	3.25	3.25	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	3.25	3.25	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	5.962	5.962	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	6.279	6.279	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	5.962	5.962	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	6.279	6.279	0	%100
29	M52A	X	0	0	0	%100
30	M52A	Z	10.404	10.404	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	2.935	2.935	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	2.935	2.935	0	%100
35	M55	X	0	0	0	%100
36	M55	Z	5.853	5.853	0	%100
37	M58A	X	0	0	0	%100
38	M58A	Z	3.25	3.25	0	%100
39	M59A	X	0	0	0	%100
40	M59A	Z	13.001	13.001	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	17.56	17.56	0	%100
43	M64	X	0	0	0	%100
44	M64	Z	5.962	5.962	0	%100
45	M66	X	0	0	0	%100
46	M66	Z	6.279	6.279	0	%100
47	M68	X	0	0	0	%100
48	M68	Z	17.56	17.56	0	%100
49	M69	X	0	0	0	%100
50	M69	Z	23.847	23.847	0	%100
51	M71	X	0	0	0	%100
52	M71	Z	25.117	25.117	0	%100
53	M76A	X	0	0	0	%100
54	M76A	Z	10.404	10.404	0	%100
55	M77A	X	0	0	0	%100
56	M77A	Z	2.935	2.935	0	%100
57	M78	X	0	0	0	%100
58	M78	Z	2.935	2.935	0	%100
59	M79A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
60	M79A	Z	5.853	5.853	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	13.001	13.001	0	%100
63	M83A	X	0	0	0	%100
64	M83A	Z	3.25	3.25	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	17.56	17.56	0	%100
67	M88A	X	0	0	0	%100
68	M88A	Z	23.847	23.847	0	%100
69	M90	X	0	0	0	%100
70	M90	Z	25.117	25.117	0	%100
71	M92A	X	0	0	0	%100
72	M92A	Z	17.56	17.56	0	%100
73	M93	X	0	0	0	%100
74	M93	Z	5.962	5.962	0	%100
75	M95	X	0	0	0	%100
76	M95	Z	6.279	6.279	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	3.414	3.414	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	3.414	3.414	0	%100
81	M100	X	0	0	0	%100
82	M100	Z	9.268	9.268	0	%100
83	M105	X	0	0	0	%100
84	M105	Z	2.317	2.317	0	%100
85	M109	X	0	0	0	%100
86	M109	Z	2.317	2.317	0	%100
87	M86A	X	0	0	0	%100
88	M86A	Z	1.659	1.659	0	%100
89	M99A	X	0	0	0	%100
90	M99A	Z	10.733	10.733	0	%100
91	M105A	X	0	0	0	%100
92	M105A	Z	3.953	3.953	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	13.405	13.405	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	9.268	9.268	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	9.268	9.268	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	9.268	9.268	0	%100
101	MP3C	X	0	0	0	%100
102	MP3C	Z	9.268	9.268	0	%100
103	MP4C	X	0	0	0	%100
104	MP4C	Z	9.268	9.268	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	9.268	9.268	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	9.268	9.268	0	%100
109	MP4B	X	0	0	0	%100
110	MP4B	Z	9.268	9.268	0	%100
111	M126	X	0	0	0	%100
112	M126	Z	4.909	4.909	0	%100
113	M127A	X	0	0	0	%100
114	M127A	Z	12.868	12.868	0	%100
115	M128A	X	0	0	0	%100
116	M128A	Z	12.868	12.868	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
117	M131A	X	0	0	0	%100
118	M131A	Z	9.268	9.268	0	%100
119	M132	X	0	0	0	%100
120	M132	Z	9.268	9.268	0	%100
121	MP2C	X	0	0	0	%100
122	MP2C	Z	13.405	13.405	0	%100
123	MP2B	X	0	0	0	%100
124	MP2B	Z	13.405	13.405	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.122	-5.122	0	%100
2	M1	Z	8.871	8.871	0	%100
3	M4	X	-1.734	-1.734	0	%100
4	M4	Z	3.003	3.003	0	%100
5	M10	X	-4.402	-4.402	0	%100
6	M10	Z	7.624	7.624	0	%100
7	MP1A	X	-4.634	-4.634	0	%100
8	MP1A	Z	8.026	8.026	0	%100
9	M43	X	-4.402	-4.402	0	%100
10	M43	Z	7.624	7.624	0	%100
11	M46	X	-8.78	-8.78	0	%100
12	M46	Z	15.207	15.207	0	%100
13	M51B	X	-4.875	-4.875	0	%100
14	M51B	Z	8.444	8.444	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-2.927	-2.927	0	%100
18	M76	Z	5.069	5.069	0	%100
19	M77	X	-8.943	-8.943	0	%100
20	M77	Z	15.489	15.489	0	%100
21	M80	X	-9.419	-9.419	0	%100
22	M80	Z	16.314	16.314	0	%100
23	M84	X	-2.927	-2.927	0	%100
24	M84	Z	5.069	5.069	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M52A	X	-1.734	-1.734	0	%100
30	M52A	Z	3.003	3.003	0	%100
31	M53	X	-4.402	-4.402	0	%100
32	M53	Z	7.624	7.624	0	%100
33	M54	X	-4.402	-4.402	0	%100
34	M54	Z	7.624	7.624	0	%100
35	M55	X	-8.78	-8.78	0	%100
36	M55	Z	15.207	15.207	0	%100
37	M58A	X	0	0	0	%100
38	M58A	Z	0	0	0	%100
39	M59A	X	-4.875	-4.875	0	%100
40	M59A	Z	8.444	8.444	0	%100
41	M63	X	-2.927	-2.927	0	%100
42	M63	Z	5.069	5.069	0	%100
43	M64	X	0	0	0	%100
44	M64	Z	0	0	0	%100
45	M66	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M66	Z	0	0	0	%100
47	M68	X	-2.927	-2.927	0	%100
48	M68	Z	5.069	5.069	0	%100
49	M69	X	-8.943	-8.943	0	%100
50	M69	Z	15.489	15.489	0	%100
51	M71	X	-9.419	-9.419	0	%100
52	M71	Z	16.314	16.314	0	%100
53	M76A	X	-6.936	-6.936	0	%100
54	M76A	Z	12.014	12.014	0	%100
55	M77A	X	0	0	0	%100
56	M77A	Z	0	0	0	%100
57	M78	X	0	0	0	%100
58	M78	Z	0	0	0	%100
59	M79A	X	0	0	0	%100
60	M79A	Z	0	0	0	%100
61	M82	X	-4.875	-4.875	0	%100
62	M82	Z	8.444	8.444	0	%100
63	M83A	X	-4.875	-4.875	0	%100
64	M83A	Z	8.444	8.444	0	%100
65	M87	X	-11.707	-11.707	0	%100
66	M87	Z	20.277	20.277	0	%100
67	M88A	X	-8.943	-8.943	0	%100
68	M88A	Z	15.489	15.489	0	%100
69	M90	X	-9.419	-9.419	0	%100
70	M90	Z	16.314	16.314	0	%100
71	M92A	X	-11.707	-11.707	0	%100
72	M92A	Z	20.277	20.277	0	%100
73	M93	X	-8.943	-8.943	0	%100
74	M93	Z	15.489	15.489	0	%100
75	M95	X	-9.419	-9.419	0	%100
76	M95	Z	16.314	16.314	0	%100
77	M82A	X	-5.122	-5.122	0	%100
78	M82A	Z	8.871	8.871	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	0	0	0	%100
81	M100	X	-3.475	-3.475	0	%100
82	M100	Z	6.02	6.02	0	%100
83	M105	X	-3.475	-3.475	0	%100
84	M105	Z	6.02	6.02	0	%100
85	M109	X	0	0	0	%100
86	M109	Z	0	0	0	%100
87	M86A	X	-.082	-.082	0	%100
88	M86A	Z	.142	.142	0	%100
89	M99A	X	-3.472	-3.472	0	%100
90	M99A	Z	6.013	6.013	0	%100
91	M105A	X	-4.619	-4.619	0	%100
92	M105A	Z	8	8	0	%100
93	MP2A	X	-6.702	-6.702	0	%100
94	MP2A	Z	11.609	11.609	0	%100
95	MP3A	X	-4.634	-4.634	0	%100
96	MP3A	Z	8.026	8.026	0	%100
97	MP4A	X	-4.634	-4.634	0	%100
98	MP4A	Z	8.026	8.026	0	%100
99	MP1C	X	-4.634	-4.634	0	%100
100	MP1C	Z	8.026	8.026	0	%100
101	MP3C	X	-4.634	-4.634	0	%100
102	MP3C	Z	8.026	8.026	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	MP4C	X	-4.634	-4.634	0	%100
104	MP4C	Z	8.026	8.026	0	%100
105	MP1B	X	-4.634	-4.634	0	%100
106	MP1B	Z	8.026	8.026	0	%100
107	MP3B	X	-4.634	-4.634	0	%100
108	MP3B	Z	8.026	8.026	0	%100
109	MP4B	X	-4.634	-4.634	0	%100
110	MP4B	Z	8.026	8.026	0	%100
111	M126	X	-3.781	-3.781	0	%100
112	M126	Z	6.549	6.549	0	%100
113	M127A	X	-3.781	-3.781	0	%100
114	M127A	Z	6.549	6.549	0	%100
115	M128A	X	-7.76	-7.76	0	%100
116	M128A	Z	13.441	13.441	0	%100
117	M131A	X	-4.634	-4.634	0	%100
118	M131A	Z	8.026	8.026	0	%100
119	M132	X	-4.634	-4.634	0	%100
120	M132	Z	8.026	8.026	0	%100
121	MP2C	X	-6.702	-6.702	0	%100
122	MP2C	Z	11.609	11.609	0	%100
123	MP2B	X	-6.702	-6.702	0	%100
124	MP2B	Z	11.609	11.609	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.957	-2.957	0	%100
2	M1	Z	1.707	1.707	0	%100
3	M4	X	-9.01	-9.01	0	%100
4	M4	Z	5.202	5.202	0	%100
5	M10	X	-2.541	-2.541	0	%100
6	M10	Z	1.467	1.467	0	%100
7	MP1A	X	-8.026	-8.026	0	%100
8	MP1A	Z	4.634	4.634	0	%100
9	M43	X	-2.541	-2.541	0	%100
10	M43	Z	1.467	1.467	0	%100
11	M46	X	-5.069	-5.069	0	%100
12	M46	Z	2.927	2.927	0	%100
13	M51B	X	-11.259	-11.259	0	%100
14	M51B	Z	6.5	6.5	0	%100
15	M52B	X	-2.815	-2.815	0	%100
16	M52B	Z	1.625	1.625	0	%100
17	M76	X	-15.207	-15.207	0	%100
18	M76	Z	8.78	8.78	0	%100
19	M77	X	-20.652	-20.652	0	%100
20	M77	Z	11.923	11.923	0	%100
21	M80	X	-21.752	-21.752	0	%100
22	M80	Z	12.559	12.559	0	%100
23	M84	X	-15.207	-15.207	0	%100
24	M84	Z	8.78	8.78	0	%100
25	M85	X	-5.163	-5.163	0	%100
26	M85	Z	2.981	2.981	0	%100
27	M91	X	-5.438	-5.438	0	%100
28	M91	Z	3.14	3.14	0	%100
29	M52A	X	0	0	0	%100
30	M52A	Z	0	0	0	%100
31	M53	X	-10.166	-10.166	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
32	M53	Z	5.869	5.869	0	%100
33	M54	X	-10.166	-10.166	0	%100
34	M54	Z	5.869	5.869	0	%100
35	M55	X	-20.277	-20.277	0	%100
36	M55	Z	11.707	11.707	0	%100
37	M58A	X	-2.815	-2.815	0	%100
38	M58A	Z	1.625	1.625	0	%100
39	M59A	X	-2.815	-2.815	0	%100
40	M59A	Z	1.625	1.625	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	0	0	0	%100
43	M64	X	-5.163	-5.163	0	%100
44	M64	Z	2.981	2.981	0	%100
45	M66	X	-5.438	-5.438	0	%100
46	M66	Z	3.14	3.14	0	%100
47	M68	X	0	0	0	%100
48	M68	Z	0	0	0	%100
49	M69	X	-5.163	-5.163	0	%100
50	M69	Z	2.981	2.981	0	%100
51	M71	X	-5.438	-5.438	0	%100
52	M71	Z	3.14	3.14	0	%100
53	M76A	X	-9.01	-9.01	0	%100
54	M76A	Z	5.202	5.202	0	%100
55	M77A	X	-2.541	-2.541	0	%100
56	M77A	Z	1.467	1.467	0	%100
57	M78	X	-2.541	-2.541	0	%100
58	M78	Z	1.467	1.467	0	%100
59	M79A	X	-5.069	-5.069	0	%100
60	M79A	Z	2.927	2.927	0	%100
61	M82	X	-2.815	-2.815	0	%100
62	M82	Z	1.625	1.625	0	%100
63	M83A	X	-11.259	-11.259	0	%100
64	M83A	Z	6.5	6.5	0	%100
65	M87	X	-15.207	-15.207	0	%100
66	M87	Z	8.78	8.78	0	%100
67	M88A	X	-5.163	-5.163	0	%100
68	M88A	Z	2.981	2.981	0	%100
69	M90	X	-5.438	-5.438	0	%100
70	M90	Z	3.14	3.14	0	%100
71	M92A	X	-15.207	-15.207	0	%100
72	M92A	Z	8.78	8.78	0	%100
73	M93	X	-20.652	-20.652	0	%100
74	M93	Z	11.923	11.923	0	%100
75	M95	X	-21.752	-21.752	0	%100
76	M95	Z	12.559	12.559	0	%100
77	M82A	X	-11.828	-11.828	0	%100
78	M82A	Z	6.829	6.829	0	%100
79	M91B	X	-2.957	-2.957	0	%100
80	M91B	Z	1.707	1.707	0	%100
81	M100	X	-2.007	-2.007	0	%100
82	M100	Z	1.158	1.158	0	%100
83	M105	X	-8.026	-8.026	0	%100
84	M105	Z	4.634	4.634	0	%100
85	M109	X	-2.007	-2.007	0	%100
86	M109	Z	1.158	1.158	0	%100
87	M86A	X	-3.423	-3.423	0	%100
88	M86A	Z	1.976	1.976	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
89	M99A	X	-1.436	-1.436	0	%100
90	M99A	Z	.829	.829	0	%100
91	M105A	X	-9.295	-9.295	0	%100
92	M105A	Z	5.366	5.366	0	%100
93	MP2A	X	-11.609	-11.609	0	%100
94	MP2A	Z	6.702	6.702	0	%100
95	MP3A	X	-8.026	-8.026	0	%100
96	MP3A	Z	4.634	4.634	0	%100
97	MP4A	X	-8.026	-8.026	0	%100
98	MP4A	Z	4.634	4.634	0	%100
99	MP1C	X	-8.026	-8.026	0	%100
100	MP1C	Z	4.634	4.634	0	%100
101	MP3C	X	-8.026	-8.026	0	%100
102	MP3C	Z	4.634	4.634	0	%100
103	MP4C	X	-8.026	-8.026	0	%100
104	MP4C	Z	4.634	4.634	0	%100
105	MP1B	X	-8.026	-8.026	0	%100
106	MP1B	Z	4.634	4.634	0	%100
107	MP3B	X	-8.026	-8.026	0	%100
108	MP3B	Z	4.634	4.634	0	%100
109	MP4B	X	-8.026	-8.026	0	%100
110	MP4B	Z	4.634	4.634	0	%100
111	M126	X	-11.144	-11.144	0	%100
112	M126	Z	6.434	6.434	0	%100
113	M127A	X	-4.251	-4.251	0	%100
114	M127A	Z	2.454	2.454	0	%100
115	M128A	X	-11.144	-11.144	0	%100
116	M128A	Z	6.434	6.434	0	%100
117	M131A	X	-8.026	-8.026	0	%100
118	M131A	Z	4.634	4.634	0	%100
119	M132	X	-8.026	-8.026	0	%100
120	M132	Z	4.634	4.634	0	%100
121	MP2C	X	-11.609	-11.609	0	%100
122	MP2C	Z	6.702	6.702	0	%100
123	MP2B	X	-11.609	-11.609	0	%100
124	MP2B	Z	6.702	6.702	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-13.872	-13.872	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	-9.268	-9.268	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	-9.751	-9.751	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-9.751	-9.751	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-23.413	-23.413	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
18	M76	Z	0	0	0	%100
19	M77	X	-17.885	-17.885	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	-18.838	-18.838	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-23.413	-23.413	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	-17.885	-17.885	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	-18.838	-18.838	0	%100
28	M91	Z	0	0	0	%100
29	M52A	X	-3.468	-3.468	0	%100
30	M52A	Z	0	0	0	%100
31	M53	X	-8.804	-8.804	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	-8.804	-8.804	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	-17.56	-17.56	0	%100
36	M55	Z	0	0	0	%100
37	M58A	X	-9.751	-9.751	0	%100
38	M58A	Z	0	0	0	%100
39	M59A	X	0	0	0	%100
40	M59A	Z	0	0	0	%100
41	M63	X	-5.853	-5.853	0	%100
42	M63	Z	0	0	0	%100
43	M64	X	-17.885	-17.885	0	%100
44	M64	Z	0	0	0	%100
45	M66	X	-18.838	-18.838	0	%100
46	M66	Z	0	0	0	%100
47	M68	X	-5.853	-5.853	0	%100
48	M68	Z	0	0	0	%100
49	M69	X	0	0	0	%100
50	M69	Z	0	0	0	%100
51	M71	X	0	0	0	%100
52	M71	Z	0	0	0	%100
53	M76A	X	-3.468	-3.468	0	%100
54	M76A	Z	0	0	0	%100
55	M77A	X	-8.804	-8.804	0	%100
56	M77A	Z	0	0	0	%100
57	M78	X	-8.804	-8.804	0	%100
58	M78	Z	0	0	0	%100
59	M79A	X	-17.56	-17.56	0	%100
60	M79A	Z	0	0	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	0	0	0	%100
63	M83A	X	-9.751	-9.751	0	%100
64	M83A	Z	0	0	0	%100
65	M87	X	-5.853	-5.853	0	%100
66	M87	Z	0	0	0	%100
67	M88A	X	0	0	0	%100
68	M88A	Z	0	0	0	%100
69	M90	X	0	0	0	%100
70	M90	Z	0	0	0	%100
71	M92A	X	-5.853	-5.853	0	%100
72	M92A	Z	0	0	0	%100
73	M93	X	-17.885	-17.885	0	%100
74	M93	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
75	M95	X	-18.838	-18.838	0	%100
76	M95	Z	0	0	0	%100
77	M82A	X	-10.243	-10.243	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	-10.243	-10.243	0	%100
80	M91B	Z	0	0	0	%100
81	M100	X	0	0	0	%100
82	M100	Z	0	0	0	%100
83	M105	X	-6.951	-6.951	0	%100
84	M105	Z	0	0	0	%100
85	M109	X	-6.951	-6.951	0	%100
86	M109	Z	0	0	0	%100
87	M86A	X	-9.237	-9.237	0	%100
88	M86A	Z	0	0	0	%100
89	M99A	X	-.163	-.163	0	%100
90	M99A	Z	0	0	0	%100
91	M105A	X	-6.943	-6.943	0	%100
92	M105A	Z	0	0	0	%100
93	MP2A	X	-13.405	-13.405	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	-9.268	-9.268	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	-9.268	-9.268	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	-9.268	-9.268	0	%100
100	MP1C	Z	0	0	0	%100
101	MP3C	X	-9.268	-9.268	0	%100
102	MP3C	Z	0	0	0	%100
103	MP4C	X	-9.268	-9.268	0	%100
104	MP4C	Z	0	0	0	%100
105	MP1B	X	-9.268	-9.268	0	%100
106	MP1B	Z	0	0	0	%100
107	MP3B	X	-9.268	-9.268	0	%100
108	MP3B	Z	0	0	0	%100
109	MP4B	X	-9.268	-9.268	0	%100
110	MP4B	Z	0	0	0	%100
111	M126	X	-15.521	-15.521	0	%100
112	M126	Z	0	0	0	%100
113	M127A	X	-7.562	-7.562	0	%100
114	M127A	Z	0	0	0	%100
115	M128A	X	-7.562	-7.562	0	%100
116	M128A	Z	0	0	0	%100
117	M131A	X	-9.268	-9.268	0	%100
118	M131A	Z	0	0	0	%100
119	M132	X	-9.268	-9.268	0	%100
120	M132	Z	0	0	0	%100
121	MP2C	X	-13.405	-13.405	0	%100
122	MP2C	Z	0	0	0	%100
123	MP2B	X	-13.405	-13.405	0	%100
124	MP2B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.957	-2.957	0	%100
2	M1	Z	-1.707	-1.707	0	%100
3	M4	X	-9.01	-9.01	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M4	Z	-5.202	-5.202	0	%100
5	M10	X	-2.541	-2.541	0	%100
6	M10	Z	-1.467	-1.467	0	%100
7	MP1A	X	-8.026	-8.026	0	%100
8	MP1A	Z	-4.634	-4.634	0	%100
9	M43	X	-2.541	-2.541	0	%100
10	M43	Z	-1.467	-1.467	0	%100
11	M46	X	-5.069	-5.069	0	%100
12	M46	Z	-2.927	-2.927	0	%100
13	M51B	X	-2.815	-2.815	0	%100
14	M51B	Z	-1.625	-1.625	0	%100
15	M52B	X	-11.259	-11.259	0	%100
16	M52B	Z	-6.5	-6.5	0	%100
17	M76	X	-15.207	-15.207	0	%100
18	M76	Z	-8.78	-8.78	0	%100
19	M77	X	-5.163	-5.163	0	%100
20	M77	Z	-2.981	-2.981	0	%100
21	M80	X	-5.438	-5.438	0	%100
22	M80	Z	-3.14	-3.14	0	%100
23	M84	X	-15.207	-15.207	0	%100
24	M84	Z	-8.78	-8.78	0	%100
25	M85	X	-20.652	-20.652	0	%100
26	M85	Z	-11.923	-11.923	0	%100
27	M91	X	-21.752	-21.752	0	%100
28	M91	Z	-12.559	-12.559	0	%100
29	M52A	X	-9.01	-9.01	0	%100
30	M52A	Z	-5.202	-5.202	0	%100
31	M53	X	-2.541	-2.541	0	%100
32	M53	Z	-1.467	-1.467	0	%100
33	M54	X	-2.541	-2.541	0	%100
34	M54	Z	-1.467	-1.467	0	%100
35	M55	X	-5.069	-5.069	0	%100
36	M55	Z	-2.927	-2.927	0	%100
37	M58A	X	-11.259	-11.259	0	%100
38	M58A	Z	-6.5	-6.5	0	%100
39	M59A	X	-2.815	-2.815	0	%100
40	M59A	Z	-1.625	-1.625	0	%100
41	M63	X	-15.207	-15.207	0	%100
42	M63	Z	-8.78	-8.78	0	%100
43	M64	X	-20.652	-20.652	0	%100
44	M64	Z	-11.923	-11.923	0	%100
45	M66	X	-21.752	-21.752	0	%100
46	M66	Z	-12.559	-12.559	0	%100
47	M68	X	-15.207	-15.207	0	%100
48	M68	Z	-8.78	-8.78	0	%100
49	M69	X	-5.163	-5.163	0	%100
50	M69	Z	-2.981	-2.981	0	%100
51	M71	X	-5.438	-5.438	0	%100
52	M71	Z	-3.14	-3.14	0	%100
53	M76A	X	0	0	0	%100
54	M76A	Z	0	0	0	%100
55	M77A	X	-10.166	-10.166	0	%100
56	M77A	Z	-5.869	-5.869	0	%100
57	M78	X	-10.166	-10.166	0	%100
58	M78	Z	-5.869	-5.869	0	%100
59	M79A	X	-20.277	-20.277	0	%100
60	M79A	Z	-11.707	-11.707	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M82	X	-2.815	-2.815	0	%100
62	M82	Z	-1.625	-1.625	0	%100
63	M83A	X	-2.815	-2.815	0	%100
64	M83A	Z	-1.625	-1.625	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	0	0	0	%100
67	M88A	X	-5.163	-5.163	0	%100
68	M88A	Z	-2.981	-2.981	0	%100
69	M90	X	-5.438	-5.438	0	%100
70	M90	Z	-3.14	-3.14	0	%100
71	M92A	X	0	0	0	%100
72	M92A	Z	0	0	0	%100
73	M93	X	-5.163	-5.163	0	%100
74	M93	Z	-2.981	-2.981	0	%100
75	M95	X	-5.438	-5.438	0	%100
76	M95	Z	-3.14	-3.14	0	%100
77	M82A	X	-2.957	-2.957	0	%100
78	M82A	Z	-1.707	-1.707	0	%100
79	M91B	X	-11.828	-11.828	0	%100
80	M91B	Z	-6.829	-6.829	0	%100
81	M100	X	-2.007	-2.007	0	%100
82	M100	Z	-1.158	-1.158	0	%100
83	M105	X	-2.007	-2.007	0	%100
84	M105	Z	-1.158	-1.158	0	%100
85	M109	X	-8.026	-8.026	0	%100
86	M109	Z	-4.634	-4.634	0	%100
87	M86A	X	-9.295	-9.295	0	%100
88	M86A	Z	-5.366	-5.366	0	%100
89	M99A	X	-3.423	-3.423	0	%100
90	M99A	Z	-1.976	-1.976	0	%100
91	M105A	X	-1.436	-1.436	0	%100
92	M105A	Z	-.829	-.829	0	%100
93	MP2A	X	-11.609	-11.609	0	%100
94	MP2A	Z	-6.702	-6.702	0	%100
95	MP3A	X	-8.026	-8.026	0	%100
96	MP3A	Z	-4.634	-4.634	0	%100
97	MP4A	X	-8.026	-8.026	0	%100
98	MP4A	Z	-4.634	-4.634	0	%100
99	MP1C	X	-8.026	-8.026	0	%100
100	MP1C	Z	-4.634	-4.634	0	%100
101	MP3C	X	-8.026	-8.026	0	%100
102	MP3C	Z	-4.634	-4.634	0	%100
103	MP4C	X	-8.026	-8.026	0	%100
104	MP4C	Z	-4.634	-4.634	0	%100
105	MP1B	X	-8.026	-8.026	0	%100
106	MP1B	Z	-4.634	-4.634	0	%100
107	MP3B	X	-8.026	-8.026	0	%100
108	MP3B	Z	-4.634	-4.634	0	%100
109	MP4B	X	-8.026	-8.026	0	%100
110	MP4B	Z	-4.634	-4.634	0	%100
111	M126	X	-11.144	-11.144	0	%100
112	M126	Z	-6.434	-6.434	0	%100
113	M127A	X	-11.144	-11.144	0	%100
114	M127A	Z	-6.434	-6.434	0	%100
115	M128A	X	-4.251	-4.251	0	%100
116	M128A	Z	-2.454	-2.454	0	%100
117	M131A	X	-8.026	-8.026	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
118	M131A	Z	-4.634	-4.634	0	%100
119	M132	X	-8.026	-8.026	0	%100
120	M132	Z	-4.634	-4.634	0	%100
121	MP2C	X	-11.609	-11.609	0	%100
122	MP2C	Z	-6.702	-6.702	0	%100
123	MP2B	X	-11.609	-11.609	0	%100
124	MP2B	Z	-6.702	-6.702	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.122	-5.122	0	%100
2	M1	Z	-8.871	-8.871	0	%100
3	M4	X	-1.734	-1.734	0	%100
4	M4	Z	-3.003	-3.003	0	%100
5	M10	X	-4.402	-4.402	0	%100
6	M10	Z	-7.624	-7.624	0	%100
7	MP1A	X	-4.634	-4.634	0	%100
8	MP1A	Z	-8.026	-8.026	0	%100
9	M43	X	-4.402	-4.402	0	%100
10	M43	Z	-7.624	-7.624	0	%100
11	M46	X	-8.78	-8.78	0	%100
12	M46	Z	-15.207	-15.207	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-4.875	-4.875	0	%100
16	M52B	Z	-8.444	-8.444	0	%100
17	M76	X	-2.927	-2.927	0	%100
18	M76	Z	-5.069	-5.069	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-2.927	-2.927	0	%100
24	M84	Z	-5.069	-5.069	0	%100
25	M85	X	-8.943	-8.943	0	%100
26	M85	Z	-15.489	-15.489	0	%100
27	M91	X	-9.419	-9.419	0	%100
28	M91	Z	-16.314	-16.314	0	%100
29	M52A	X	-6.936	-6.936	0	%100
30	M52A	Z	-12.014	-12.014	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	0	0	0	%100
36	M55	Z	0	0	0	%100
37	M58A	X	-4.875	-4.875	0	%100
38	M58A	Z	-8.444	-8.444	0	%100
39	M59A	X	-4.875	-4.875	0	%100
40	M59A	Z	-8.444	-8.444	0	%100
41	M63	X	-11.707	-11.707	0	%100
42	M63	Z	-20.277	-20.277	0	%100
43	M64	X	-8.943	-8.943	0	%100
44	M64	Z	-15.489	-15.489	0	%100
45	M66	X	-9.419	-9.419	0	%100
46	M66	Z	-16.314	-16.314	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	M68	X	-11.707	-11.707	0	%100
48	M68	Z	-20.277	-20.277	0	%100
49	M69	X	-8.943	-8.943	0	%100
50	M69	Z	-15.489	-15.489	0	%100
51	M71	X	-9.419	-9.419	0	%100
52	M71	Z	-16.314	-16.314	0	%100
53	M76A	X	-1.734	-1.734	0	%100
54	M76A	Z	-3.003	-3.003	0	%100
55	M77A	X	-4.402	-4.402	0	%100
56	M77A	Z	-7.624	-7.624	0	%100
57	M78	X	-4.402	-4.402	0	%100
58	M78	Z	-7.624	-7.624	0	%100
59	M79A	X	-8.78	-8.78	0	%100
60	M79A	Z	-15.207	-15.207	0	%100
61	M82	X	-4.875	-4.875	0	%100
62	M82	Z	-8.444	-8.444	0	%100
63	M83A	X	0	0	0	%100
64	M83A	Z	0	0	0	%100
65	M87	X	-2.927	-2.927	0	%100
66	M87	Z	-5.069	-5.069	0	%100
67	M88A	X	-8.943	-8.943	0	%100
68	M88A	Z	-15.489	-15.489	0	%100
69	M90	X	-9.419	-9.419	0	%100
70	M90	Z	-16.314	-16.314	0	%100
71	M92A	X	-2.927	-2.927	0	%100
72	M92A	Z	-5.069	-5.069	0	%100
73	M93	X	0	0	0	%100
74	M93	Z	0	0	0	%100
75	M95	X	0	0	0	%100
76	M95	Z	0	0	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	-5.122	-5.122	0	%100
80	M91B	Z	-8.871	-8.871	0	%100
81	M100	X	-3.475	-3.475	0	%100
82	M100	Z	-6.02	-6.02	0	%100
83	M105	X	0	0	0	%100
84	M105	Z	0	0	0	%100
85	M109	X	-3.475	-3.475	0	%100
86	M109	Z	-6.02	-6.02	0	%100
87	M86A	X	-3.472	-3.472	0	%100
88	M86A	Z	-6.013	-6.013	0	%100
89	M99A	X	-4.619	-4.619	0	%100
90	M99A	Z	-8	-8	0	%100
91	M105A	X	-.082	-.082	0	%100
92	M105A	Z	-.142	-.142	0	%100
93	MP2A	X	-6.702	-6.702	0	%100
94	MP2A	Z	-11.609	-11.609	0	%100
95	MP3A	X	-4.634	-4.634	0	%100
96	MP3A	Z	-8.026	-8.026	0	%100
97	MP4A	X	-4.634	-4.634	0	%100
98	MP4A	Z	-8.026	-8.026	0	%100
99	MP1C	X	-4.634	-4.634	0	%100
100	MP1C	Z	-8.026	-8.026	0	%100
101	MP3C	X	-4.634	-4.634	0	%100
102	MP3C	Z	-8.026	-8.026	0	%100
103	MP4C	X	-4.634	-4.634	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
104	MP4C	Z	-8.026	-8.026	0	%100
105	MP1B	X	-4.634	-4.634	0	%100
106	MP1B	Z	-8.026	-8.026	0	%100
107	MP3B	X	-4.634	-4.634	0	%100
108	MP3B	Z	-8.026	-8.026	0	%100
109	MP4B	X	-4.634	-4.634	0	%100
110	MP4B	Z	-8.026	-8.026	0	%100
111	M126	X	-3.781	-3.781	0	%100
112	M126	Z	-6.549	-6.549	0	%100
113	M127A	X	-7.76	-7.76	0	%100
114	M127A	Z	-13.441	-13.441	0	%100
115	M128A	X	-3.781	-3.781	0	%100
116	M128A	Z	-6.549	-6.549	0	%100
117	M131A	X	-4.634	-4.634	0	%100
118	M131A	Z	-8.026	-8.026	0	%100
119	M132	X	-4.634	-4.634	0	%100
120	M132	Z	-8.026	-8.026	0	%100
121	MP2C	X	-6.702	-6.702	0	%100
122	MP2C	Z	-11.609	-11.609	0	%100
123	MP2B	X	-6.702	-6.702	0	%100
124	MP2B	Z	-11.609	-11.609	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-4.29	-4.29	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-3.526	-3.526	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-3.46	-3.46	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-3.526	-3.526	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	-5.512	-5.512	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	-1.014	-1.014	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	-1.014	-1.014	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	-1.376	-1.376	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	-1.436	-1.436	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	-1.376	-1.376	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	-1.436	-1.436	0	%100
29	M52A	X	0	0	0	%100
30	M52A	Z	-3.248	-3.248	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	-.881	-.881	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	M54	X	0	0	0	%100
34	M54	Z	-.881	-.881	0	%100
35	M55	X	0	0	0	%100
36	M55	Z	-1.378	-1.378	0	%100
37	M58A	X	0	0	0	%100
38	M58A	Z	-1.014	-1.014	0	%100
39	M59A	X	0	0	0	%100
40	M59A	Z	-4.057	-4.057	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	-4.067	-4.067	0	%100
43	M64	X	0	0	0	%100
44	M64	Z	-1.376	-1.376	0	%100
45	M66	X	0	0	0	%100
46	M66	Z	-1.436	-1.436	0	%100
47	M68	X	0	0	0	%100
48	M68	Z	-4.067	-4.067	0	%100
49	M69	X	0	0	0	%100
50	M69	Z	-5.504	-5.504	0	%100
51	M71	X	0	0	0	%100
52	M71	Z	-5.745	-5.745	0	%100
53	M76A	X	0	0	0	%100
54	M76A	Z	-3.248	-3.248	0	%100
55	M77A	X	0	0	0	%100
56	M77A	Z	-.881	-.881	0	%100
57	M78	X	0	0	0	%100
58	M78	Z	-.881	-.881	0	%100
59	M79A	X	0	0	0	%100
60	M79A	Z	-1.378	-1.378	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	-4.057	-4.057	0	%100
63	M83A	X	0	0	0	%100
64	M83A	Z	-1.014	-1.014	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	-4.067	-4.067	0	%100
67	M88A	X	0	0	0	%100
68	M88A	Z	-5.504	-5.504	0	%100
69	M90	X	0	0	0	%100
70	M90	Z	-5.745	-5.745	0	%100
71	M92A	X	0	0	0	%100
72	M92A	Z	-4.067	-4.067	0	%100
73	M93	X	0	0	0	%100
74	M93	Z	-1.376	-1.376	0	%100
75	M95	X	0	0	0	%100
76	M95	Z	-1.436	-1.436	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	-1.073	-1.073	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	-1.073	-1.073	0	%100
81	M100	X	0	0	0	%100
82	M100	Z	-3.46	-3.46	0	%100
83	M105	X	0	0	0	%100
84	M105	Z	-.865	-.865	0	%100
85	M109	X	0	0	0	%100
86	M109	Z	-.865	-.865	0	%100
87	M86A	X	0	0	0	%100
88	M86A	Z	-.483	-.483	0	%100
89	M99A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
90	M99A	Z	-3.123	-3.123	0	%100
91	M105A	X	0	0	0	%100
92	M105A	Z	-1.15	-1.15	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	-4.242	-4.242	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	-3.46	-3.46	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	-3.46	-3.46	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-3.46	-3.46	0	%100
101	MP3C	X	0	0	0	%100
102	MP3C	Z	-3.46	-3.46	0	%100
103	MP4C	X	0	0	0	%100
104	MP4C	Z	-3.46	-3.46	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	-3.46	-3.46	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	-3.46	-3.46	0	%100
109	MP4B	X	0	0	0	%100
110	MP4B	Z	-3.46	-3.46	0	%100
111	M126	X	0	0	0	%100
112	M126	Z	-1.24	-1.24	0	%100
113	M127A	X	0	0	0	%100
114	M127A	Z	-3.769	-3.769	0	%100
115	M128A	X	0	0	0	%100
116	M128A	Z	-3.769	-3.769	0	%100
117	M131A	X	0	0	0	%100
118	M131A	Z	-3.46	-3.46	0	%100
119	M132	X	0	0	0	%100
120	M132	Z	-3.46	-3.46	0	%100
121	MP2C	X	0	0	0	%100
122	MP2C	Z	-4.242	-4.242	0	%100
123	MP2B	X	0	0	0	%100
124	MP2B	Z	-4.242	-4.242	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.609	1.609	0	%100
2	M1	Z	-2.787	-2.787	0	%100
3	M4	X	.541	.541	0	%100
4	M4	Z	-.938	-.938	0	%100
5	M10	X	1.322	1.322	0	%100
6	M10	Z	-2.29	-2.29	0	%100
7	MP1A	X	1.73	1.73	0	%100
8	MP1A	Z	-2.997	-2.997	0	%100
9	M43	X	1.322	1.322	0	%100
10	M43	Z	-2.29	-2.29	0	%100
11	M46	X	2.067	2.067	0	%100
12	M46	Z	-3.58	-3.58	0	%100
13	M51B	X	1.521	1.521	0	%100
14	M51B	Z	-2.635	-2.635	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	.678	.678	0	%100
18	M76	Z	-1.174	-1.174	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M77	X	2.064	2.064	0	%100
20	M77	Z	-3.575	-3.575	0	%100
21	M80	X	2.154	2.154	0	%100
22	M80	Z	-3.731	-3.731	0	%100
23	M84	X	.678	.678	0	%100
24	M84	Z	-1.174	-1.174	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M52A	X	.541	.541	0	%100
30	M52A	Z	-.938	-.938	0	%100
31	M53	X	1.322	1.322	0	%100
32	M53	Z	-2.29	-2.29	0	%100
33	M54	X	1.322	1.322	0	%100
34	M54	Z	-2.29	-2.29	0	%100
35	M55	X	2.067	2.067	0	%100
36	M55	Z	-3.58	-3.58	0	%100
37	M58A	X	0	0	0	%100
38	M58A	Z	0	0	0	%100
39	M59A	X	1.521	1.521	0	%100
40	M59A	Z	-2.635	-2.635	0	%100
41	M63	X	.678	.678	0	%100
42	M63	Z	-1.174	-1.174	0	%100
43	M64	X	0	0	0	%100
44	M64	Z	0	0	0	%100
45	M66	X	0	0	0	%100
46	M66	Z	0	0	0	%100
47	M68	X	.678	.678	0	%100
48	M68	Z	-1.174	-1.174	0	%100
49	M69	X	2.064	2.064	0	%100
50	M69	Z	-3.575	-3.575	0	%100
51	M71	X	2.154	2.154	0	%100
52	M71	Z	-3.731	-3.731	0	%100
53	M76A	X	2.165	2.165	0	%100
54	M76A	Z	-3.75	-3.75	0	%100
55	M77A	X	0	0	0	%100
56	M77A	Z	0	0	0	%100
57	M78	X	0	0	0	%100
58	M78	Z	0	0	0	%100
59	M79A	X	0	0	0	%100
60	M79A	Z	0	0	0	%100
61	M82	X	1.521	1.521	0	%100
62	M82	Z	-2.635	-2.635	0	%100
63	M83A	X	1.521	1.521	0	%100
64	M83A	Z	-2.635	-2.635	0	%100
65	M87	X	2.711	2.711	0	%100
66	M87	Z	-4.696	-4.696	0	%100
67	M88A	X	2.064	2.064	0	%100
68	M88A	Z	-3.575	-3.575	0	%100
69	M90	X	2.154	2.154	0	%100
70	M90	Z	-3.731	-3.731	0	%100
71	M92A	X	2.711	2.711	0	%100
72	M92A	Z	-4.696	-4.696	0	%100
73	M93	X	2.064	2.064	0	%100
74	M93	Z	-3.575	-3.575	0	%100
75	M95	X	2.154	2.154	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	M95	Z	-3.731	-3.731	0	%100
77	M82A	X	1.609	1.609	0	%100
78	M82A	Z	-2.787	-2.787	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	0	0	0	%100
81	M100	X	1.298	1.298	0	%100
82	M100	Z	-2.248	-2.248	0	%100
83	M105	X	1.298	1.298	0	%100
84	M105	Z	-2.248	-2.248	0	%100
85	M109	X	0	0	0	%100
86	M109	Z	0	0	0	%100
87	M86A	X	.024	.024	0	%100
88	M86A	Z	-.041	-.041	0	%100
89	M99A	X	1.01	1.01	0	%100
90	M99A	Z	-1.75	-1.75	0	%100
91	M105A	X	1.344	1.344	0	%100
92	M105A	Z	-2.328	-2.328	0	%100
93	MP2A	X	2.121	2.121	0	%100
94	MP2A	Z	-3.674	-3.674	0	%100
95	MP3A	X	1.73	1.73	0	%100
96	MP3A	Z	-2.997	-2.997	0	%100
97	MP4A	X	1.73	1.73	0	%100
98	MP4A	Z	-2.997	-2.997	0	%100
99	MP1C	X	1.73	1.73	0	%100
100	MP1C	Z	-2.997	-2.997	0	%100
101	MP3C	X	1.73	1.73	0	%100
102	MP3C	Z	-2.997	-2.997	0	%100
103	MP4C	X	1.73	1.73	0	%100
104	MP4C	Z	-2.997	-2.997	0	%100
105	MP1B	X	1.73	1.73	0	%100
106	MP1B	Z	-2.997	-2.997	0	%100
107	MP3B	X	1.73	1.73	0	%100
108	MP3B	Z	-2.997	-2.997	0	%100
109	MP4B	X	1.73	1.73	0	%100
110	MP4B	Z	-2.997	-2.997	0	%100
111	M126	X	1.041	1.041	0	%100
112	M126	Z	-1.804	-1.804	0	%100
113	M127A	X	1.041	1.041	0	%100
114	M127A	Z	-1.804	-1.804	0	%100
115	M128A	X	2.306	2.306	0	%100
116	M128A	Z	-3.994	-3.994	0	%100
117	M131A	X	1.73	1.73	0	%100
118	M131A	Z	-2.997	-2.997	0	%100
119	M132	X	1.73	1.73	0	%100
120	M132	Z	-2.997	-2.997	0	%100
121	MP2C	X	2.121	2.121	0	%100
122	MP2C	Z	-3.674	-3.674	0	%100
123	MP2B	X	2.121	2.121	0	%100
124	MP2B	Z	-3.674	-3.674	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.929	.929	0	%100
2	M1	Z	-.536	-.536	0	%100
3	M4	X	2.813	2.813	0	%100
4	M4	Z	-1.624	-1.624	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M10	X	.763	.763	0	%100
6	M10	Z	-.441	-.441	0	%100
7	MP1A	X	2.997	2.997	0	%100
8	MP1A	Z	-1.73	-1.73	0	%100
9	M43	X	.763	.763	0	%100
10	M43	Z	-.441	-.441	0	%100
11	M46	X	1.193	1.193	0	%100
12	M46	Z	-.689	-.689	0	%100
13	M51B	X	3.514	3.514	0	%100
14	M51B	Z	-2.029	-2.029	0	%100
15	M52B	X	.878	.878	0	%100
16	M52B	Z	-.507	-.507	0	%100
17	M76	X	3.522	3.522	0	%100
18	M76	Z	-2.033	-2.033	0	%100
19	M77	X	4.767	4.767	0	%100
20	M77	Z	-2.752	-2.752	0	%100
21	M80	X	4.975	4.975	0	%100
22	M80	Z	-2.872	-2.872	0	%100
23	M84	X	3.522	3.522	0	%100
24	M84	Z	-2.033	-2.033	0	%100
25	M85	X	1.192	1.192	0	%100
26	M85	Z	-.688	-.688	0	%100
27	M91	X	1.244	1.244	0	%100
28	M91	Z	-.718	-.718	0	%100
29	M52A	X	0	0	0	%100
30	M52A	Z	0	0	0	%100
31	M53	X	3.053	3.053	0	%100
32	M53	Z	-1.763	-1.763	0	%100
33	M54	X	3.053	3.053	0	%100
34	M54	Z	-1.763	-1.763	0	%100
35	M55	X	4.774	4.774	0	%100
36	M55	Z	-2.756	-2.756	0	%100
37	M58A	X	.878	.878	0	%100
38	M58A	Z	-.507	-.507	0	%100
39	M59A	X	.878	.878	0	%100
40	M59A	Z	-.507	-.507	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	0	0	0	%100
43	M64	X	1.192	1.192	0	%100
44	M64	Z	-.688	-.688	0	%100
45	M66	X	1.244	1.244	0	%100
46	M66	Z	-.718	-.718	0	%100
47	M68	X	0	0	0	%100
48	M68	Z	0	0	0	%100
49	M69	X	1.192	1.192	0	%100
50	M69	Z	-.688	-.688	0	%100
51	M71	X	1.244	1.244	0	%100
52	M71	Z	-.718	-.718	0	%100
53	M76A	X	2.813	2.813	0	%100
54	M76A	Z	-1.624	-1.624	0	%100
55	M77A	X	.763	.763	0	%100
56	M77A	Z	-.441	-.441	0	%100
57	M78	X	.763	.763	0	%100
58	M78	Z	-.441	-.441	0	%100
59	M79A	X	1.193	1.193	0	%100
60	M79A	Z	-.689	-.689	0	%100
61	M82	X	.878	.878	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M82	Z	-.507	-.507	0	%100
63	M83A	X	3.514	3.514	0	%100
64	M83A	Z	-2.029	-2.029	0	%100
65	M87	X	3.522	3.522	0	%100
66	M87	Z	-2.033	-2.033	0	%100
67	M88A	X	1.192	1.192	0	%100
68	M88A	Z	-.688	-.688	0	%100
69	M90	X	1.244	1.244	0	%100
70	M90	Z	-.718	-.718	0	%100
71	M92A	X	3.522	3.522	0	%100
72	M92A	Z	-2.033	-2.033	0	%100
73	M93	X	4.767	4.767	0	%100
74	M93	Z	-2.752	-2.752	0	%100
75	M95	X	4.975	4.975	0	%100
76	M95	Z	-2.872	-2.872	0	%100
77	M82A	X	3.715	3.715	0	%100
78	M82A	Z	-2.145	-2.145	0	%100
79	M91B	X	.929	.929	0	%100
80	M91B	Z	-.536	-.536	0	%100
81	M100	X	.749	.749	0	%100
82	M100	Z	-.433	-.433	0	%100
83	M105	X	2.997	2.997	0	%100
84	M105	Z	-1.73	-1.73	0	%100
85	M109	X	.749	.749	0	%100
86	M109	Z	-.433	-.433	0	%100
87	M86A	X	.996	.996	0	%100
88	M86A	Z	-.575	-.575	0	%100
89	M99A	X	.418	.418	0	%100
90	M99A	Z	-.241	-.241	0	%100
91	M105A	X	2.704	2.704	0	%100
92	M105A	Z	-1.561	-1.561	0	%100
93	MP2A	X	3.674	3.674	0	%100
94	MP2A	Z	-2.121	-2.121	0	%100
95	MP3A	X	2.997	2.997	0	%100
96	MP3A	Z	-1.73	-1.73	0	%100
97	MP4A	X	2.997	2.997	0	%100
98	MP4A	Z	-1.73	-1.73	0	%100
99	MP1C	X	2.997	2.997	0	%100
100	MP1C	Z	-1.73	-1.73	0	%100
101	MP3C	X	2.997	2.997	0	%100
102	MP3C	Z	-1.73	-1.73	0	%100
103	MP4C	X	2.997	2.997	0	%100
104	MP4C	Z	-1.73	-1.73	0	%100
105	MP1B	X	2.997	2.997	0	%100
106	MP1B	Z	-1.73	-1.73	0	%100
107	MP3B	X	2.997	2.997	0	%100
108	MP3B	Z	-1.73	-1.73	0	%100
109	MP4B	X	2.997	2.997	0	%100
110	MP4B	Z	-1.73	-1.73	0	%100
111	M126	X	3.264	3.264	0	%100
112	M126	Z	-1.885	-1.885	0	%100
113	M127A	X	1.074	1.074	0	%100
114	M127A	Z	-.62	-.62	0	%100
115	M128A	X	3.264	3.264	0	%100
116	M128A	Z	-1.885	-1.885	0	%100
117	M131A	X	2.997	2.997	0	%100
118	M131A	Z	-1.73	-1.73	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
119	M132	X	2.997	2.997	0	%100
120	M132	Z	-1.73	-1.73	0	%100
121	MP2C	X	3.674	3.674	0	%100
122	MP2C	Z	-2.121	-2.121	0	%100
123	MP2B	X	3.674	3.674	0	%100
124	MP2B	Z	-2.121	-2.121	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	4.331	4.331	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	3.46	3.46	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	3.043	3.043	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	3.043	3.043	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	5.422	5.422	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	4.128	4.128	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	4.308	4.308	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	5.422	5.422	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	4.128	4.128	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	4.308	4.308	0	%100
28	M91	Z	0	0	0	%100
29	M52A	X	1.083	1.083	0	%100
30	M52A	Z	0	0	0	%100
31	M53	X	2.644	2.644	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	2.644	2.644	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	4.134	4.134	0	%100
36	M55	Z	0	0	0	%100
37	M58A	X	3.043	3.043	0	%100
38	M58A	Z	0	0	0	%100
39	M59A	X	0	0	0	%100
40	M59A	Z	0	0	0	%100
41	M63	X	1.356	1.356	0	%100
42	M63	Z	0	0	0	%100
43	M64	X	4.128	4.128	0	%100
44	M64	Z	0	0	0	%100
45	M66	X	4.308	4.308	0	%100
46	M66	Z	0	0	0	%100
47	M68	X	1.356	1.356	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
48	M68	Z	0	0	0	%100
49	M69	X	0	0	0	%100
50	M69	Z	0	0	0	%100
51	M71	X	0	0	0	%100
52	M71	Z	0	0	0	%100
53	M76A	X	1.083	1.083	0	%100
54	M76A	Z	0	0	0	%100
55	M77A	X	2.644	2.644	0	%100
56	M77A	Z	0	0	0	%100
57	M78	X	2.644	2.644	0	%100
58	M78	Z	0	0	0	%100
59	M79A	X	4.134	4.134	0	%100
60	M79A	Z	0	0	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	0	0	0	%100
63	M83A	X	3.043	3.043	0	%100
64	M83A	Z	0	0	0	%100
65	M87	X	1.356	1.356	0	%100
66	M87	Z	0	0	0	%100
67	M88A	X	0	0	0	%100
68	M88A	Z	0	0	0	%100
69	M90	X	0	0	0	%100
70	M90	Z	0	0	0	%100
71	M92A	X	1.356	1.356	0	%100
72	M92A	Z	0	0	0	%100
73	M93	X	4.128	4.128	0	%100
74	M93	Z	0	0	0	%100
75	M95	X	4.308	4.308	0	%100
76	M95	Z	0	0	0	%100
77	M82A	X	3.218	3.218	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	3.218	3.218	0	%100
80	M91B	Z	0	0	0	%100
81	M100	X	0	0	0	%100
82	M100	Z	0	0	0	%100
83	M105	X	2.595	2.595	0	%100
84	M105	Z	0	0	0	%100
85	M109	X	2.595	2.595	0	%100
86	M109	Z	0	0	0	%100
87	M86A	X	2.688	2.688	0	%100
88	M86A	Z	0	0	0	%100
89	M99A	X	.048	.048	0	%100
90	M99A	Z	0	0	0	%100
91	M105A	X	2.02	2.02	0	%100
92	M105A	Z	0	0	0	%100
93	MP2A	X	4.242	4.242	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	3.46	3.46	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	3.46	3.46	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	3.46	3.46	0	%100
100	MP1C	Z	0	0	0	%100
101	MP3C	X	3.46	3.46	0	%100
102	MP3C	Z	0	0	0	%100
103	MP4C	X	3.46	3.46	0	%100
104	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	MP1B	X	3.46	3.46	0	%100
106	MP1B	Z	0	0	0	%100
107	MP3B	X	3.46	3.46	0	%100
108	MP3B	Z	0	0	0	%100
109	MP4B	X	3.46	3.46	0	%100
110	MP4B	Z	0	0	0	%100
111	M126	X	4.612	4.612	0	%100
112	M126	Z	0	0	0	%100
113	M127A	X	2.083	2.083	0	%100
114	M127A	Z	0	0	0	%100
115	M128A	X	2.083	2.083	0	%100
116	M128A	Z	0	0	0	%100
117	M131A	X	3.46	3.46	0	%100
118	M131A	Z	0	0	0	%100
119	M132	X	3.46	3.46	0	%100
120	M132	Z	0	0	0	%100
121	MP2C	X	4.242	4.242	0	%100
122	MP2C	Z	0	0	0	%100
123	MP2B	X	4.242	4.242	0	%100
124	MP2B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.929	.929	0	%100
2	M1	Z	.536	.536	0	%100
3	M4	X	2.813	2.813	0	%100
4	M4	Z	1.624	1.624	0	%100
5	M10	X	.763	.763	0	%100
6	M10	Z	.441	.441	0	%100
7	MP1A	X	2.997	2.997	0	%100
8	MP1A	Z	1.73	1.73	0	%100
9	M43	X	.763	.763	0	%100
10	M43	Z	.441	.441	0	%100
11	M46	X	1.193	1.193	0	%100
12	M46	Z	.689	.689	0	%100
13	M51B	X	.878	.878	0	%100
14	M51B	Z	.507	.507	0	%100
15	M52B	X	3.514	3.514	0	%100
16	M52B	Z	2.029	2.029	0	%100
17	M76	X	3.522	3.522	0	%100
18	M76	Z	2.033	2.033	0	%100
19	M77	X	1.192	1.192	0	%100
20	M77	Z	.688	.688	0	%100
21	M80	X	1.244	1.244	0	%100
22	M80	Z	.718	.718	0	%100
23	M84	X	3.522	3.522	0	%100
24	M84	Z	2.033	2.033	0	%100
25	M85	X	4.767	4.767	0	%100
26	M85	Z	2.752	2.752	0	%100
27	M91	X	4.975	4.975	0	%100
28	M91	Z	2.872	2.872	0	%100
29	M52A	X	2.813	2.813	0	%100
30	M52A	Z	1.624	1.624	0	%100
31	M53	X	.763	.763	0	%100
32	M53	Z	.441	.441	0	%100
33	M54	X	.763	.763	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M54	Z	.441	.441	0	%100
35	M55	X	1.193	1.193	0	%100
36	M55	Z	.689	.689	0	%100
37	M58A	X	3.514	3.514	0	%100
38	M58A	Z	2.029	2.029	0	%100
39	M59A	X	.878	.878	0	%100
40	M59A	Z	.507	.507	0	%100
41	M63	X	3.522	3.522	0	%100
42	M63	Z	2.033	2.033	0	%100
43	M64	X	4.767	4.767	0	%100
44	M64	Z	2.752	2.752	0	%100
45	M66	X	4.975	4.975	0	%100
46	M66	Z	2.872	2.872	0	%100
47	M68	X	3.522	3.522	0	%100
48	M68	Z	2.033	2.033	0	%100
49	M69	X	1.192	1.192	0	%100
50	M69	Z	.688	.688	0	%100
51	M71	X	1.244	1.244	0	%100
52	M71	Z	.718	.718	0	%100
53	M76A	X	0	0	0	%100
54	M76A	Z	0	0	0	%100
55	M77A	X	3.053	3.053	0	%100
56	M77A	Z	1.763	1.763	0	%100
57	M78	X	3.053	3.053	0	%100
58	M78	Z	1.763	1.763	0	%100
59	M79A	X	4.774	4.774	0	%100
60	M79A	Z	2.756	2.756	0	%100
61	M82	X	.878	.878	0	%100
62	M82	Z	.507	.507	0	%100
63	M83A	X	.878	.878	0	%100
64	M83A	Z	.507	.507	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	0	0	0	%100
67	M88A	X	1.192	1.192	0	%100
68	M88A	Z	.688	.688	0	%100
69	M90	X	1.244	1.244	0	%100
70	M90	Z	.718	.718	0	%100
71	M92A	X	0	0	0	%100
72	M92A	Z	0	0	0	%100
73	M93	X	1.192	1.192	0	%100
74	M93	Z	.688	.688	0	%100
75	M95	X	1.244	1.244	0	%100
76	M95	Z	.718	.718	0	%100
77	M82A	X	.929	.929	0	%100
78	M82A	Z	.536	.536	0	%100
79	M91B	X	3.715	3.715	0	%100
80	M91B	Z	2.145	2.145	0	%100
81	M100	X	.749	.749	0	%100
82	M100	Z	.433	.433	0	%100
83	M105	X	.749	.749	0	%100
84	M105	Z	.433	.433	0	%100
85	M109	X	2.997	2.997	0	%100
86	M109	Z	1.73	1.73	0	%100
87	M86A	X	2.704	2.704	0	%100
88	M86A	Z	1.561	1.561	0	%100
89	M99A	X	.996	.996	0	%100
90	M99A	Z	.575	.575	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	M105A	X	.418	.418	0	%100
92	M105A	Z	.241	.241	0	%100
93	MP2A	X	3.674	3.674	0	%100
94	MP2A	Z	2.121	2.121	0	%100
95	MP3A	X	2.997	2.997	0	%100
96	MP3A	Z	1.73	1.73	0	%100
97	MP4A	X	2.997	2.997	0	%100
98	MP4A	Z	1.73	1.73	0	%100
99	MP1C	X	2.997	2.997	0	%100
100	MP1C	Z	1.73	1.73	0	%100
101	MP3C	X	2.997	2.997	0	%100
102	MP3C	Z	1.73	1.73	0	%100
103	MP4C	X	2.997	2.997	0	%100
104	MP4C	Z	1.73	1.73	0	%100
105	MP1B	X	2.997	2.997	0	%100
106	MP1B	Z	1.73	1.73	0	%100
107	MP3B	X	2.997	2.997	0	%100
108	MP3B	Z	1.73	1.73	0	%100
109	MP4B	X	2.997	2.997	0	%100
110	MP4B	Z	1.73	1.73	0	%100
111	M126	X	3.264	3.264	0	%100
112	M126	Z	1.885	1.885	0	%100
113	M127A	X	3.264	3.264	0	%100
114	M127A	Z	1.885	1.885	0	%100
115	M128A	X	1.074	1.074	0	%100
116	M128A	Z	.62	.62	0	%100
117	M131A	X	2.997	2.997	0	%100
118	M131A	Z	1.73	1.73	0	%100
119	M132	X	2.997	2.997	0	%100
120	M132	Z	1.73	1.73	0	%100
121	MP2C	X	3.674	3.674	0	%100
122	MP2C	Z	2.121	2.121	0	%100
123	MP2B	X	3.674	3.674	0	%100
124	MP2B	Z	2.121	2.121	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.609	1.609	0	%100
2	M1	Z	2.787	2.787	0	%100
3	M4	X	.541	.541	0	%100
4	M4	Z	.938	.938	0	%100
5	M10	X	1.322	1.322	0	%100
6	M10	Z	2.29	2.29	0	%100
7	MP1A	X	1.73	1.73	0	%100
8	MP1A	Z	2.997	2.997	0	%100
9	M43	X	1.322	1.322	0	%100
10	M43	Z	2.29	2.29	0	%100
11	M46	X	2.067	2.067	0	%100
12	M46	Z	3.58	3.58	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	1.521	1.521	0	%100
16	M52B	Z	2.635	2.635	0	%100
17	M76	X	.678	.678	0	%100
18	M76	Z	1.174	1.174	0	%100
19	M77	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	.678	.678	0	%100
24	M84	Z	1.174	1.174	0	%100
25	M85	X	2.064	2.064	0	%100
26	M85	Z	3.575	3.575	0	%100
27	M91	X	2.154	2.154	0	%100
28	M91	Z	3.731	3.731	0	%100
29	M52A	X	2.165	2.165	0	%100
30	M52A	Z	3.75	3.75	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	0	0	0	%100
36	M55	Z	0	0	0	%100
37	M58A	X	1.521	1.521	0	%100
38	M58A	Z	2.635	2.635	0	%100
39	M59A	X	1.521	1.521	0	%100
40	M59A	Z	2.635	2.635	0	%100
41	M63	X	2.711	2.711	0	%100
42	M63	Z	4.696	4.696	0	%100
43	M64	X	2.064	2.064	0	%100
44	M64	Z	3.575	3.575	0	%100
45	M66	X	2.154	2.154	0	%100
46	M66	Z	3.731	3.731	0	%100
47	M68	X	2.711	2.711	0	%100
48	M68	Z	4.696	4.696	0	%100
49	M69	X	2.064	2.064	0	%100
50	M69	Z	3.575	3.575	0	%100
51	M71	X	2.154	2.154	0	%100
52	M71	Z	3.731	3.731	0	%100
53	M76A	X	.541	.541	0	%100
54	M76A	Z	.938	.938	0	%100
55	M77A	X	1.322	1.322	0	%100
56	M77A	Z	2.29	2.29	0	%100
57	M78	X	1.322	1.322	0	%100
58	M78	Z	2.29	2.29	0	%100
59	M79A	X	2.067	2.067	0	%100
60	M79A	Z	3.58	3.58	0	%100
61	M82	X	1.521	1.521	0	%100
62	M82	Z	2.635	2.635	0	%100
63	M83A	X	0	0	0	%100
64	M83A	Z	0	0	0	%100
65	M87	X	.678	.678	0	%100
66	M87	Z	1.174	1.174	0	%100
67	M88A	X	2.064	2.064	0	%100
68	M88A	Z	3.575	3.575	0	%100
69	M90	X	2.154	2.154	0	%100
70	M90	Z	3.731	3.731	0	%100
71	M92A	X	.678	.678	0	%100
72	M92A	Z	1.174	1.174	0	%100
73	M93	X	0	0	0	%100
74	M93	Z	0	0	0	%100
75	M95	X	0	0	0	%100
76	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
77	M82A	X	0	0	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	1.609	1.609	0	%100
80	M91B	Z	2.787	2.787	0	%100
81	M100	X	1.298	1.298	0	%100
82	M100	Z	2.248	2.248	0	%100
83	M105	X	0	0	0	%100
84	M105	Z	0	0	0	%100
85	M109	X	1.298	1.298	0	%100
86	M109	Z	2.248	2.248	0	%100
87	M86A	X	1.01	1.01	0	%100
88	M86A	Z	1.75	1.75	0	%100
89	M99A	X	1.344	1.344	0	%100
90	M99A	Z	2.328	2.328	0	%100
91	M105A	X	.024	.024	0	%100
92	M105A	Z	.041	.041	0	%100
93	MP2A	X	2.121	2.121	0	%100
94	MP2A	Z	3.674	3.674	0	%100
95	MP3A	X	1.73	1.73	0	%100
96	MP3A	Z	2.997	2.997	0	%100
97	MP4A	X	1.73	1.73	0	%100
98	MP4A	Z	2.997	2.997	0	%100
99	MP1C	X	1.73	1.73	0	%100
100	MP1C	Z	2.997	2.997	0	%100
101	MP3C	X	1.73	1.73	0	%100
102	MP3C	Z	2.997	2.997	0	%100
103	MP4C	X	1.73	1.73	0	%100
104	MP4C	Z	2.997	2.997	0	%100
105	MP1B	X	1.73	1.73	0	%100
106	MP1B	Z	2.997	2.997	0	%100
107	MP3B	X	1.73	1.73	0	%100
108	MP3B	Z	2.997	2.997	0	%100
109	MP4B	X	1.73	1.73	0	%100
110	MP4B	Z	2.997	2.997	0	%100
111	M126	X	1.041	1.041	0	%100
112	M126	Z	1.804	1.804	0	%100
113	M127A	X	2.306	2.306	0	%100
114	M127A	Z	3.994	3.994	0	%100
115	M128A	X	1.041	1.041	0	%100
116	M128A	Z	1.804	1.804	0	%100
117	M131A	X	1.73	1.73	0	%100
118	M131A	Z	2.997	2.997	0	%100
119	M132	X	1.73	1.73	0	%100
120	M132	Z	2.997	2.997	0	%100
121	MP2C	X	2.121	2.121	0	%100
122	MP2C	Z	3.674	3.674	0	%100
123	MP2B	X	2.121	2.121	0	%100
124	MP2B	Z	3.674	3.674	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	4.29	4.29	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	M10	Z	3.526	3.526	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	3.46	3.46	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	3.526	3.526	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	5.512	5.512	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	1.014	1.014	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	1.014	1.014	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	1.376	1.376	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	1.436	1.436	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	1.376	1.376	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	1.436	1.436	0	%100
29	M52A	X	0	0	0	%100
30	M52A	Z	3.248	3.248	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	.881	.881	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	.881	.881	0	%100
35	M55	X	0	0	0	%100
36	M55	Z	1.378	1.378	0	%100
37	M58A	X	0	0	0	%100
38	M58A	Z	1.014	1.014	0	%100
39	M59A	X	0	0	0	%100
40	M59A	Z	4.057	4.057	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	4.067	4.067	0	%100
43	M64	X	0	0	0	%100
44	M64	Z	1.376	1.376	0	%100
45	M66	X	0	0	0	%100
46	M66	Z	1.436	1.436	0	%100
47	M68	X	0	0	0	%100
48	M68	Z	4.067	4.067	0	%100
49	M69	X	0	0	0	%100
50	M69	Z	5.504	5.504	0	%100
51	M71	X	0	0	0	%100
52	M71	Z	5.745	5.745	0	%100
53	M76A	X	0	0	0	%100
54	M76A	Z	3.248	3.248	0	%100
55	M77A	X	0	0	0	%100
56	M77A	Z	.881	.881	0	%100
57	M78	X	0	0	0	%100
58	M78	Z	.881	.881	0	%100
59	M79A	X	0	0	0	%100
60	M79A	Z	1.378	1.378	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	4.057	4.057	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
63	M83A	X	0	0	0	%100
64	M83A	Z	1.014	1.014	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	4.067	4.067	0	%100
67	M88A	X	0	0	0	%100
68	M88A	Z	5.504	5.504	0	%100
69	M90	X	0	0	0	%100
70	M90	Z	5.745	5.745	0	%100
71	M92A	X	0	0	0	%100
72	M92A	Z	4.067	4.067	0	%100
73	M93	X	0	0	0	%100
74	M93	Z	1.376	1.376	0	%100
75	M95	X	0	0	0	%100
76	M95	Z	1.436	1.436	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	1.073	1.073	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	1.073	1.073	0	%100
81	M100	X	0	0	0	%100
82	M100	Z	3.46	3.46	0	%100
83	M105	X	0	0	0	%100
84	M105	Z	.865	.865	0	%100
85	M109	X	0	0	0	%100
86	M109	Z	.865	.865	0	%100
87	M86A	X	0	0	0	%100
88	M86A	Z	.483	.483	0	%100
89	M99A	X	0	0	0	%100
90	M99A	Z	3.123	3.123	0	%100
91	M105A	X	0	0	0	%100
92	M105A	Z	1.15	1.15	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	4.242	4.242	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	3.46	3.46	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	3.46	3.46	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	3.46	3.46	0	%100
101	MP3C	X	0	0	0	%100
102	MP3C	Z	3.46	3.46	0	%100
103	MP4C	X	0	0	0	%100
104	MP4C	Z	3.46	3.46	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	3.46	3.46	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	3.46	3.46	0	%100
109	MP4B	X	0	0	0	%100
110	MP4B	Z	3.46	3.46	0	%100
111	M126	X	0	0	0	%100
112	M126	Z	1.24	1.24	0	%100
113	M127A	X	0	0	0	%100
114	M127A	Z	3.769	3.769	0	%100
115	M128A	X	0	0	0	%100
116	M128A	Z	3.769	3.769	0	%100
117	M131A	X	0	0	0	%100
118	M131A	Z	3.46	3.46	0	%100
119	M132	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
120	M132	Z	3.46	3.46	0	%100
121	MP2C	X	0	0	0	%100
122	MP2C	Z	4.242	4.242	0	%100
123	MP2B	X	0	0	0	%100
124	MP2B	Z	4.242	4.242	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.609	-1.609	0	%100
2	M1	Z	2.787	2.787	0	%100
3	M4	X	-.541	-.541	0	%100
4	M4	Z	.938	.938	0	%100
5	M10	X	-1.322	-1.322	0	%100
6	M10	Z	2.29	2.29	0	%100
7	MP1A	X	-1.73	-1.73	0	%100
8	MP1A	Z	2.997	2.997	0	%100
9	M43	X	-1.322	-1.322	0	%100
10	M43	Z	2.29	2.29	0	%100
11	M46	X	-2.067	-2.067	0	%100
12	M46	Z	3.58	3.58	0	%100
13	M51B	X	-1.521	-1.521	0	%100
14	M51B	Z	2.635	2.635	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-.678	-.678	0	%100
18	M76	Z	1.174	1.174	0	%100
19	M77	X	-2.064	-2.064	0	%100
20	M77	Z	3.575	3.575	0	%100
21	M80	X	-2.154	-2.154	0	%100
22	M80	Z	3.731	3.731	0	%100
23	M84	X	-.678	-.678	0	%100
24	M84	Z	1.174	1.174	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M52A	X	-.541	-.541	0	%100
30	M52A	Z	.938	.938	0	%100
31	M53	X	-1.322	-1.322	0	%100
32	M53	Z	2.29	2.29	0	%100
33	M54	X	-1.322	-1.322	0	%100
34	M54	Z	2.29	2.29	0	%100
35	M55	X	-2.067	-2.067	0	%100
36	M55	Z	3.58	3.58	0	%100
37	M58A	X	0	0	0	%100
38	M58A	Z	0	0	0	%100
39	M59A	X	-1.521	-1.521	0	%100
40	M59A	Z	2.635	2.635	0	%100
41	M63	X	-.678	-.678	0	%100
42	M63	Z	1.174	1.174	0	%100
43	M64	X	0	0	0	%100
44	M64	Z	0	0	0	%100
45	M66	X	0	0	0	%100
46	M66	Z	0	0	0	%100
47	M68	X	-.678	-.678	0	%100
48	M68	Z	1.174	1.174	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
49	M69	X	-2.064	-2.064	0	%100
50	M69	Z	3.575	3.575	0	%100
51	M71	X	-2.154	-2.154	0	%100
52	M71	Z	3.731	3.731	0	%100
53	M76A	X	-2.165	-2.165	0	%100
54	M76A	Z	3.75	3.75	0	%100
55	M77A	X	0	0	0	%100
56	M77A	Z	0	0	0	%100
57	M78	X	0	0	0	%100
58	M78	Z	0	0	0	%100
59	M79A	X	0	0	0	%100
60	M79A	Z	0	0	0	%100
61	M82	X	-1.521	-1.521	0	%100
62	M82	Z	2.635	2.635	0	%100
63	M83A	X	-1.521	-1.521	0	%100
64	M83A	Z	2.635	2.635	0	%100
65	M87	X	-2.711	-2.711	0	%100
66	M87	Z	4.696	4.696	0	%100
67	M88A	X	-2.064	-2.064	0	%100
68	M88A	Z	3.575	3.575	0	%100
69	M90	X	-2.154	-2.154	0	%100
70	M90	Z	3.731	3.731	0	%100
71	M92A	X	-2.711	-2.711	0	%100
72	M92A	Z	4.696	4.696	0	%100
73	M93	X	-2.064	-2.064	0	%100
74	M93	Z	3.575	3.575	0	%100
75	M95	X	-2.154	-2.154	0	%100
76	M95	Z	3.731	3.731	0	%100
77	M82A	X	-1.609	-1.609	0	%100
78	M82A	Z	2.787	2.787	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	0	0	0	%100
81	M100	X	-1.298	-1.298	0	%100
82	M100	Z	2.248	2.248	0	%100
83	M105	X	-1.298	-1.298	0	%100
84	M105	Z	2.248	2.248	0	%100
85	M109	X	0	0	0	%100
86	M109	Z	0	0	0	%100
87	M86A	X	-.024	-.024	0	%100
88	M86A	Z	.041	.041	0	%100
89	M99A	X	-1.01	-1.01	0	%100
90	M99A	Z	1.75	1.75	0	%100
91	M105A	X	-1.344	-1.344	0	%100
92	M105A	Z	2.328	2.328	0	%100
93	MP2A	X	-2.121	-2.121	0	%100
94	MP2A	Z	3.674	3.674	0	%100
95	MP3A	X	-1.73	-1.73	0	%100
96	MP3A	Z	2.997	2.997	0	%100
97	MP4A	X	-1.73	-1.73	0	%100
98	MP4A	Z	2.997	2.997	0	%100
99	MP1C	X	-1.73	-1.73	0	%100
100	MP1C	Z	2.997	2.997	0	%100
101	MP3C	X	-1.73	-1.73	0	%100
102	MP3C	Z	2.997	2.997	0	%100
103	MP4C	X	-1.73	-1.73	0	%100
104	MP4C	Z	2.997	2.997	0	%100
105	MP1B	X	-1.73	-1.73	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
106	MP1B	Z	2.997	2.997	0	%100
107	MP3B	X	-1.73	-1.73	0	%100
108	MP3B	Z	2.997	2.997	0	%100
109	MP4B	X	-1.73	-1.73	0	%100
110	MP4B	Z	2.997	2.997	0	%100
111	M126	X	-1.041	-1.041	0	%100
112	M126	Z	1.804	1.804	0	%100
113	M127A	X	-1.041	-1.041	0	%100
114	M127A	Z	1.804	1.804	0	%100
115	M128A	X	-2.306	-2.306	0	%100
116	M128A	Z	3.994	3.994	0	%100
117	M131A	X	-1.73	-1.73	0	%100
118	M131A	Z	2.997	2.997	0	%100
119	M132	X	-1.73	-1.73	0	%100
120	M132	Z	2.997	2.997	0	%100
121	MP2C	X	-2.121	-2.121	0	%100
122	MP2C	Z	3.674	3.674	0	%100
123	MP2B	X	-2.121	-2.121	0	%100
124	MP2B	Z	3.674	3.674	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.929	-.929	0	%100
2	M1	Z	.536	.536	0	%100
3	M4	X	-2.813	-2.813	0	%100
4	M4	Z	1.624	1.624	0	%100
5	M10	X	-.763	-.763	0	%100
6	M10	Z	.441	.441	0	%100
7	MP1A	X	-2.997	-2.997	0	%100
8	MP1A	Z	1.73	1.73	0	%100
9	M43	X	-.763	-.763	0	%100
10	M43	Z	.441	.441	0	%100
11	M46	X	-1.193	-1.193	0	%100
12	M46	Z	.689	.689	0	%100
13	M51B	X	-3.514	-3.514	0	%100
14	M51B	Z	2.029	2.029	0	%100
15	M52B	X	-.878	-.878	0	%100
16	M52B	Z	.507	.507	0	%100
17	M76	X	-3.522	-3.522	0	%100
18	M76	Z	2.033	2.033	0	%100
19	M77	X	-4.767	-4.767	0	%100
20	M77	Z	2.752	2.752	0	%100
21	M80	X	-4.975	-4.975	0	%100
22	M80	Z	2.872	2.872	0	%100
23	M84	X	-3.522	-3.522	0	%100
24	M84	Z	2.033	2.033	0	%100
25	M85	X	-1.192	-1.192	0	%100
26	M85	Z	.688	.688	0	%100
27	M91	X	-1.244	-1.244	0	%100
28	M91	Z	.718	.718	0	%100
29	M52A	X	0	0	0	%100
30	M52A	Z	0	0	0	%100
31	M53	X	-3.053	-3.053	0	%100
32	M53	Z	1.763	1.763	0	%100
33	M54	X	-3.053	-3.053	0	%100
34	M54	Z	1.763	1.763	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M55	X	-4.774	-4.774	0	%100
36	M55	Z	2.756	2.756	0	%100
37	M58A	X	-.878	-.878	0	%100
38	M58A	Z	.507	.507	0	%100
39	M59A	X	-.878	-.878	0	%100
40	M59A	Z	.507	.507	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	0	0	0	%100
43	M64	X	-1.192	-1.192	0	%100
44	M64	Z	.688	.688	0	%100
45	M66	X	-1.244	-1.244	0	%100
46	M66	Z	.718	.718	0	%100
47	M68	X	0	0	0	%100
48	M68	Z	0	0	0	%100
49	M69	X	-1.192	-1.192	0	%100
50	M69	Z	.688	.688	0	%100
51	M71	X	-1.244	-1.244	0	%100
52	M71	Z	.718	.718	0	%100
53	M76A	X	-2.813	-2.813	0	%100
54	M76A	Z	1.624	1.624	0	%100
55	M77A	X	-.763	-.763	0	%100
56	M77A	Z	.441	.441	0	%100
57	M78	X	-.763	-.763	0	%100
58	M78	Z	.441	.441	0	%100
59	M79A	X	-1.193	-1.193	0	%100
60	M79A	Z	.689	.689	0	%100
61	M82	X	-.878	-.878	0	%100
62	M82	Z	.507	.507	0	%100
63	M83A	X	-3.514	-3.514	0	%100
64	M83A	Z	2.029	2.029	0	%100
65	M87	X	-3.522	-3.522	0	%100
66	M87	Z	2.033	2.033	0	%100
67	M88A	X	-1.192	-1.192	0	%100
68	M88A	Z	.688	.688	0	%100
69	M90	X	-1.244	-1.244	0	%100
70	M90	Z	.718	.718	0	%100
71	M92A	X	-3.522	-3.522	0	%100
72	M92A	Z	2.033	2.033	0	%100
73	M93	X	-4.767	-4.767	0	%100
74	M93	Z	2.752	2.752	0	%100
75	M95	X	-4.975	-4.975	0	%100
76	M95	Z	2.872	2.872	0	%100
77	M82A	X	-3.715	-3.715	0	%100
78	M82A	Z	2.145	2.145	0	%100
79	M91B	X	-.929	-.929	0	%100
80	M91B	Z	.536	.536	0	%100
81	M100	X	-.749	-.749	0	%100
82	M100	Z	.433	.433	0	%100
83	M105	X	-2.997	-2.997	0	%100
84	M105	Z	1.73	1.73	0	%100
85	M109	X	-.749	-.749	0	%100
86	M109	Z	.433	.433	0	%100
87	M86A	X	-.996	-.996	0	%100
88	M86A	Z	.575	.575	0	%100
89	M99A	X	-.418	-.418	0	%100
90	M99A	Z	.241	.241	0	%100
91	M105A	X	-2.704	-2.704	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
92	M105A	Z	1.561	1.561	0	%100
93	MP2A	X	-3.674	-3.674	0	%100
94	MP2A	Z	2.121	2.121	0	%100
95	MP3A	X	-2.997	-2.997	0	%100
96	MP3A	Z	1.73	1.73	0	%100
97	MP4A	X	-2.997	-2.997	0	%100
98	MP4A	Z	1.73	1.73	0	%100
99	MP1C	X	-2.997	-2.997	0	%100
100	MP1C	Z	1.73	1.73	0	%100
101	MP3C	X	-2.997	-2.997	0	%100
102	MP3C	Z	1.73	1.73	0	%100
103	MP4C	X	-2.997	-2.997	0	%100
104	MP4C	Z	1.73	1.73	0	%100
105	MP1B	X	-2.997	-2.997	0	%100
106	MP1B	Z	1.73	1.73	0	%100
107	MP3B	X	-2.997	-2.997	0	%100
108	MP3B	Z	1.73	1.73	0	%100
109	MP4B	X	-2.997	-2.997	0	%100
110	MP4B	Z	1.73	1.73	0	%100
111	M126	X	-3.264	-3.264	0	%100
112	M126	Z	1.885	1.885	0	%100
113	M127A	X	-1.074	-1.074	0	%100
114	M127A	Z	.62	.62	0	%100
115	M128A	X	-3.264	-3.264	0	%100
116	M128A	Z	1.885	1.885	0	%100
117	M131A	X	-2.997	-2.997	0	%100
118	M131A	Z	1.73	1.73	0	%100
119	M132	X	-2.997	-2.997	0	%100
120	M132	Z	1.73	1.73	0	%100
121	MP2C	X	-3.674	-3.674	0	%100
122	MP2C	Z	2.121	2.121	0	%100
123	MP2B	X	-3.674	-3.674	0	%100
124	MP2B	Z	2.121	2.121	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-4.331	-4.331	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	-3.46	-3.46	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	-3.043	-3.043	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-3.043	-3.043	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-5.422	-5.422	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	-4.128	-4.128	0	%100
20	M77	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
21	M80	X	-4.308	-4.308	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-5.422	-5.422	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	-4.128	-4.128	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	-4.308	-4.308	0	%100
28	M91	Z	0	0	0	%100
29	M52A	X	-1.083	-1.083	0	%100
30	M52A	Z	0	0	0	%100
31	M53	X	-2.644	-2.644	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	-2.644	-2.644	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	-4.134	-4.134	0	%100
36	M55	Z	0	0	0	%100
37	M58A	X	-3.043	-3.043	0	%100
38	M58A	Z	0	0	0	%100
39	M59A	X	0	0	0	%100
40	M59A	Z	0	0	0	%100
41	M63	X	-1.356	-1.356	0	%100
42	M63	Z	0	0	0	%100
43	M64	X	-4.128	-4.128	0	%100
44	M64	Z	0	0	0	%100
45	M66	X	-4.308	-4.308	0	%100
46	M66	Z	0	0	0	%100
47	M68	X	-1.356	-1.356	0	%100
48	M68	Z	0	0	0	%100
49	M69	X	0	0	0	%100
50	M69	Z	0	0	0	%100
51	M71	X	0	0	0	%100
52	M71	Z	0	0	0	%100
53	M76A	X	-1.083	-1.083	0	%100
54	M76A	Z	0	0	0	%100
55	M77A	X	-2.644	-2.644	0	%100
56	M77A	Z	0	0	0	%100
57	M78	X	-2.644	-2.644	0	%100
58	M78	Z	0	0	0	%100
59	M79A	X	-4.134	-4.134	0	%100
60	M79A	Z	0	0	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	0	0	0	%100
63	M83A	X	-3.043	-3.043	0	%100
64	M83A	Z	0	0	0	%100
65	M87	X	-1.356	-1.356	0	%100
66	M87	Z	0	0	0	%100
67	M88A	X	0	0	0	%100
68	M88A	Z	0	0	0	%100
69	M90	X	0	0	0	%100
70	M90	Z	0	0	0	%100
71	M92A	X	-1.356	-1.356	0	%100
72	M92A	Z	0	0	0	%100
73	M93	X	-4.128	-4.128	0	%100
74	M93	Z	0	0	0	%100
75	M95	X	-4.308	-4.308	0	%100
76	M95	Z	0	0	0	%100
77	M82A	X	-3.218	-3.218	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
78	M82A	Z	0	0	0	%100
79	M91B	X	-3.218	-3.218	0	%100
80	M91B	Z	0	0	0	%100
81	M100	X	0	0	0	%100
82	M100	Z	0	0	0	%100
83	M105	X	-2.595	-2.595	0	%100
84	M105	Z	0	0	0	%100
85	M109	X	-2.595	-2.595	0	%100
86	M109	Z	0	0	0	%100
87	M86A	X	-2.688	-2.688	0	%100
88	M86A	Z	0	0	0	%100
89	M99A	X	-.048	-.048	0	%100
90	M99A	Z	0	0	0	%100
91	M105A	X	-2.02	-2.02	0	%100
92	M105A	Z	0	0	0	%100
93	MP2A	X	-4.242	-4.242	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	-3.46	-3.46	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	-3.46	-3.46	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	-3.46	-3.46	0	%100
100	MP1C	Z	0	0	0	%100
101	MP3C	X	-3.46	-3.46	0	%100
102	MP3C	Z	0	0	0	%100
103	MP4C	X	-3.46	-3.46	0	%100
104	MP4C	Z	0	0	0	%100
105	MP1B	X	-3.46	-3.46	0	%100
106	MP1B	Z	0	0	0	%100
107	MP3B	X	-3.46	-3.46	0	%100
108	MP3B	Z	0	0	0	%100
109	MP4B	X	-3.46	-3.46	0	%100
110	MP4B	Z	0	0	0	%100
111	M126	X	-4.612	-4.612	0	%100
112	M126	Z	0	0	0	%100
113	M127A	X	-2.083	-2.083	0	%100
114	M127A	Z	0	0	0	%100
115	M128A	X	-2.083	-2.083	0	%100
116	M128A	Z	0	0	0	%100
117	M131A	X	-3.46	-3.46	0	%100
118	M131A	Z	0	0	0	%100
119	M132	X	-3.46	-3.46	0	%100
120	M132	Z	0	0	0	%100
121	MP2C	X	-4.242	-4.242	0	%100
122	MP2C	Z	0	0	0	%100
123	MP2B	X	-4.242	-4.242	0	%100
124	MP2B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.929	-.929	0	%100
2	M1	Z	-.536	-.536	0	%100
3	M4	X	-2.813	-2.813	0	%100
4	M4	Z	-1.624	-1.624	0	%100
5	M10	X	-.763	-.763	0	%100
6	M10	Z	-.441	-.441	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	MP1A	X	-2.997	-2.997	0	%100
8	MP1A	Z	-1.73	-1.73	0	%100
9	M43	X	-.763	-.763	0	%100
10	M43	Z	-.441	-.441	0	%100
11	M46	X	-1.193	-1.193	0	%100
12	M46	Z	-.689	-.689	0	%100
13	M51B	X	-.878	-.878	0	%100
14	M51B	Z	-.507	-.507	0	%100
15	M52B	X	-3.514	-3.514	0	%100
16	M52B	Z	-2.029	-2.029	0	%100
17	M76	X	-3.522	-3.522	0	%100
18	M76	Z	-2.033	-2.033	0	%100
19	M77	X	-1.192	-1.192	0	%100
20	M77	Z	-.688	-.688	0	%100
21	M80	X	-1.244	-1.244	0	%100
22	M80	Z	-.718	-.718	0	%100
23	M84	X	-3.522	-3.522	0	%100
24	M84	Z	-2.033	-2.033	0	%100
25	M85	X	-4.767	-4.767	0	%100
26	M85	Z	-2.752	-2.752	0	%100
27	M91	X	-4.975	-4.975	0	%100
28	M91	Z	-2.872	-2.872	0	%100
29	M52A	X	-2.813	-2.813	0	%100
30	M52A	Z	-1.624	-1.624	0	%100
31	M53	X	-.763	-.763	0	%100
32	M53	Z	-.441	-.441	0	%100
33	M54	X	-.763	-.763	0	%100
34	M54	Z	-.441	-.441	0	%100
35	M55	X	-1.193	-1.193	0	%100
36	M55	Z	-.689	-.689	0	%100
37	M58A	X	-3.514	-3.514	0	%100
38	M58A	Z	-2.029	-2.029	0	%100
39	M59A	X	-.878	-.878	0	%100
40	M59A	Z	-.507	-.507	0	%100
41	M63	X	-3.522	-3.522	0	%100
42	M63	Z	-2.033	-2.033	0	%100
43	M64	X	-4.767	-4.767	0	%100
44	M64	Z	-2.752	-2.752	0	%100
45	M66	X	-4.975	-4.975	0	%100
46	M66	Z	-2.872	-2.872	0	%100
47	M68	X	-3.522	-3.522	0	%100
48	M68	Z	-2.033	-2.033	0	%100
49	M69	X	-1.192	-1.192	0	%100
50	M69	Z	-.688	-.688	0	%100
51	M71	X	-1.244	-1.244	0	%100
52	M71	Z	-.718	-.718	0	%100
53	M76A	X	0	0	0	%100
54	M76A	Z	0	0	0	%100
55	M77A	X	-3.053	-3.053	0	%100
56	M77A	Z	-1.763	-1.763	0	%100
57	M78	X	-3.053	-3.053	0	%100
58	M78	Z	-1.763	-1.763	0	%100
59	M79A	X	-4.774	-4.774	0	%100
60	M79A	Z	-2.756	-2.756	0	%100
61	M82	X	-.878	-.878	0	%100
62	M82	Z	-.507	-.507	0	%100
63	M83A	X	-.878	-.878	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
64	M83A	Z	-.507	-.507	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	0	0	0	%100
67	M88A	X	-1.192	-1.192	0	%100
68	M88A	Z	-.688	-.688	0	%100
69	M90	X	-1.244	-1.244	0	%100
70	M90	Z	-.718	-.718	0	%100
71	M92A	X	0	0	0	%100
72	M92A	Z	0	0	0	%100
73	M93	X	-1.192	-1.192	0	%100
74	M93	Z	-.688	-.688	0	%100
75	M95	X	-1.244	-1.244	0	%100
76	M95	Z	-.718	-.718	0	%100
77	M82A	X	-.929	-.929	0	%100
78	M82A	Z	-.536	-.536	0	%100
79	M91B	X	-3.715	-3.715	0	%100
80	M91B	Z	-2.145	-2.145	0	%100
81	M100	X	-.749	-.749	0	%100
82	M100	Z	-.433	-.433	0	%100
83	M105	X	-.749	-.749	0	%100
84	M105	Z	-.433	-.433	0	%100
85	M109	X	-2.997	-2.997	0	%100
86	M109	Z	-1.73	-1.73	0	%100
87	M86A	X	-2.704	-2.704	0	%100
88	M86A	Z	-1.561	-1.561	0	%100
89	M99A	X	-.996	-.996	0	%100
90	M99A	Z	-.575	-.575	0	%100
91	M105A	X	-.418	-.418	0	%100
92	M105A	Z	-.241	-.241	0	%100
93	MP2A	X	-3.674	-3.674	0	%100
94	MP2A	Z	-2.121	-2.121	0	%100
95	MP3A	X	-2.997	-2.997	0	%100
96	MP3A	Z	-1.73	-1.73	0	%100
97	MP4A	X	-2.997	-2.997	0	%100
98	MP4A	Z	-1.73	-1.73	0	%100
99	MP1C	X	-2.997	-2.997	0	%100
100	MP1C	Z	-1.73	-1.73	0	%100
101	MP3C	X	-2.997	-2.997	0	%100
102	MP3C	Z	-1.73	-1.73	0	%100
103	MP4C	X	-2.997	-2.997	0	%100
104	MP4C	Z	-1.73	-1.73	0	%100
105	MP1B	X	-2.997	-2.997	0	%100
106	MP1B	Z	-1.73	-1.73	0	%100
107	MP3B	X	-2.997	-2.997	0	%100
108	MP3B	Z	-1.73	-1.73	0	%100
109	MP4B	X	-2.997	-2.997	0	%100
110	MP4B	Z	-1.73	-1.73	0	%100
111	M126	X	-3.264	-3.264	0	%100
112	M126	Z	-1.885	-1.885	0	%100
113	M127A	X	-3.264	-3.264	0	%100
114	M127A	Z	-1.885	-1.885	0	%100
115	M128A	X	-1.074	-1.074	0	%100
116	M128A	Z	-.62	-.62	0	%100
117	M131A	X	-2.997	-2.997	0	%100
118	M131A	Z	-1.73	-1.73	0	%100
119	M132	X	-2.997	-2.997	0	%100
120	M132	Z	-1.73	-1.73	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
121	MP2C	X	-3.674	-3.674	0	%100
122	MP2C	Z	-2.121	-2.121	0	%100
123	MP2B	X	-3.674	-3.674	0	%100
124	MP2B	Z	-2.121	-2.121	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.609	-1.609	0	%100
2	M1	Z	-2.787	-2.787	0	%100
3	M4	X	-.541	-.541	0	%100
4	M4	Z	-.938	-.938	0	%100
5	M10	X	-1.322	-1.322	0	%100
6	M10	Z	-2.29	-2.29	0	%100
7	MP1A	X	-1.73	-1.73	0	%100
8	MP1A	Z	-2.997	-2.997	0	%100
9	M43	X	-1.322	-1.322	0	%100
10	M43	Z	-2.29	-2.29	0	%100
11	M46	X	-2.067	-2.067	0	%100
12	M46	Z	-3.58	-3.58	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-1.521	-1.521	0	%100
16	M52B	Z	-2.635	-2.635	0	%100
17	M76	X	-.678	-.678	0	%100
18	M76	Z	-1.174	-1.174	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-.678	-.678	0	%100
24	M84	Z	-1.174	-1.174	0	%100
25	M85	X	-2.064	-2.064	0	%100
26	M85	Z	-3.575	-3.575	0	%100
27	M91	X	-2.154	-2.154	0	%100
28	M91	Z	-3.731	-3.731	0	%100
29	M52A	X	-2.165	-2.165	0	%100
30	M52A	Z	-3.75	-3.75	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	0	0	0	%100
36	M55	Z	0	0	0	%100
37	M58A	X	-1.521	-1.521	0	%100
38	M58A	Z	-2.635	-2.635	0	%100
39	M59A	X	-1.521	-1.521	0	%100
40	M59A	Z	-2.635	-2.635	0	%100
41	M63	X	-2.711	-2.711	0	%100
42	M63	Z	-4.696	-4.696	0	%100
43	M64	X	-2.064	-2.064	0	%100
44	M64	Z	-3.575	-3.575	0	%100
45	M66	X	-2.154	-2.154	0	%100
46	M66	Z	-3.731	-3.731	0	%100
47	M68	X	-2.711	-2.711	0	%100
48	M68	Z	-4.696	-4.696	0	%100
49	M69	X	-2.064	-2.064	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
50	M69	Z	-3.575	-3.575	0	%100
51	M71	X	-2.154	-2.154	0	%100
52	M71	Z	-3.731	-3.731	0	%100
53	M76A	X	-.541	-.541	0	%100
54	M76A	Z	-.938	-.938	0	%100
55	M77A	X	-1.322	-1.322	0	%100
56	M77A	Z	-2.29	-2.29	0	%100
57	M78	X	-1.322	-1.322	0	%100
58	M78	Z	-2.29	-2.29	0	%100
59	M79A	X	-2.067	-2.067	0	%100
60	M79A	Z	-3.58	-3.58	0	%100
61	M82	X	-1.521	-1.521	0	%100
62	M82	Z	-2.635	-2.635	0	%100
63	M83A	X	0	0	0	%100
64	M83A	Z	0	0	0	%100
65	M87	X	-.678	-.678	0	%100
66	M87	Z	-1.174	-1.174	0	%100
67	M88A	X	-2.064	-2.064	0	%100
68	M88A	Z	-3.575	-3.575	0	%100
69	M90	X	-2.154	-2.154	0	%100
70	M90	Z	-3.731	-3.731	0	%100
71	M92A	X	-.678	-.678	0	%100
72	M92A	Z	-1.174	-1.174	0	%100
73	M93	X	0	0	0	%100
74	M93	Z	0	0	0	%100
75	M95	X	0	0	0	%100
76	M95	Z	0	0	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	-1.609	-1.609	0	%100
80	M91B	Z	-2.787	-2.787	0	%100
81	M100	X	-1.298	-1.298	0	%100
82	M100	Z	-2.248	-2.248	0	%100
83	M105	X	0	0	0	%100
84	M105	Z	0	0	0	%100
85	M109	X	-1.298	-1.298	0	%100
86	M109	Z	-2.248	-2.248	0	%100
87	M86A	X	-1.01	-1.01	0	%100
88	M86A	Z	-1.75	-1.75	0	%100
89	M99A	X	-1.344	-1.344	0	%100
90	M99A	Z	-2.328	-2.328	0	%100
91	M105A	X	-.024	-.024	0	%100
92	M105A	Z	-.041	-.041	0	%100
93	MP2A	X	-2.121	-2.121	0	%100
94	MP2A	Z	-3.674	-3.674	0	%100
95	MP3A	X	-1.73	-1.73	0	%100
96	MP3A	Z	-2.997	-2.997	0	%100
97	MP4A	X	-1.73	-1.73	0	%100
98	MP4A	Z	-2.997	-2.997	0	%100
99	MP1C	X	-1.73	-1.73	0	%100
100	MP1C	Z	-2.997	-2.997	0	%100
101	MP3C	X	-1.73	-1.73	0	%100
102	MP3C	Z	-2.997	-2.997	0	%100
103	MP4C	X	-1.73	-1.73	0	%100
104	MP4C	Z	-2.997	-2.997	0	%100
105	MP1B	X	-1.73	-1.73	0	%100
106	MP1B	Z	-2.997	-2.997	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
107	MP3B	X	-1.73	-1.73	0	%100
108	MP3B	Z	-2.997	-2.997	0	%100
109	MP4B	X	-1.73	-1.73	0	%100
110	MP4B	Z	-2.997	-2.997	0	%100
111	M126	X	-1.041	-1.041	0	%100
112	M126	Z	-1.804	-1.804	0	%100
113	M127A	X	-2.306	-2.306	0	%100
114	M127A	Z	-3.994	-3.994	0	%100
115	M128A	X	-1.041	-1.041	0	%100
116	M128A	Z	-1.804	-1.804	0	%100
117	M131A	X	-1.73	-1.73	0	%100
118	M131A	Z	-2.997	-2.997	0	%100
119	M132	X	-1.73	-1.73	0	%100
120	M132	Z	-2.997	-2.997	0	%100
121	MP2C	X	-2.121	-2.121	0	%100
122	MP2C	Z	-3.674	-3.674	0	%100
123	MP2B	X	-2.121	-2.121	0	%100
124	MP2B	Z	-3.674	-3.674	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.929	-.929	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-.799	-.799	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-.631	-.631	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-.799	-.799	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	-1.593	-1.593	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	-.221	-.221	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	-.221	-.221	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	-.406	-.406	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	-.427	-.427	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	-.406	-.406	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	-.427	-.427	0	%100
29	M52A	X	0	0	0	%100
30	M52A	Z	-.708	-.708	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	-.2	-.2	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	-.2	-.2	0	%100
35	M55	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
36	M55	Z	-.398	-.398	0	%100
37	M58A	X	0	0	0	%100
38	M58A	Z	-.221	-.221	0	%100
39	M59A	X	0	0	0	%100
40	M59A	Z	-.885	-.885	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	-1.195	-1.195	0	%100
43	M64	X	0	0	0	%100
44	M64	Z	-.406	-.406	0	%100
45	M66	X	0	0	0	%100
46	M66	Z	-.427	-.427	0	%100
47	M68	X	0	0	0	%100
48	M68	Z	-1.195	-1.195	0	%100
49	M69	X	0	0	0	%100
50	M69	Z	-1.623	-1.623	0	%100
51	M71	X	0	0	0	%100
52	M71	Z	-1.709	-1.709	0	%100
53	M76A	X	0	0	0	%100
54	M76A	Z	-.708	-.708	0	%100
55	M77A	X	0	0	0	%100
56	M77A	Z	-.2	-.2	0	%100
57	M78	X	0	0	0	%100
58	M78	Z	-.2	-.2	0	%100
59	M79A	X	0	0	0	%100
60	M79A	Z	-.398	-.398	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	-.885	-.885	0	%100
63	M83A	X	0	0	0	%100
64	M83A	Z	-.221	-.221	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	-1.195	-1.195	0	%100
67	M88A	X	0	0	0	%100
68	M88A	Z	-1.623	-1.623	0	%100
69	M90	X	0	0	0	%100
70	M90	Z	-1.709	-1.709	0	%100
71	M92A	X	0	0	0	%100
72	M92A	Z	-1.195	-1.195	0	%100
73	M93	X	0	0	0	%100
74	M93	Z	-.406	-.406	0	%100
75	M95	X	0	0	0	%100
76	M95	Z	-.427	-.427	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	-.232	-.232	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	-.232	-.232	0	%100
81	M100	X	0	0	0	%100
82	M100	Z	-.631	-.631	0	%100
83	M105	X	0	0	0	%100
84	M105	Z	-.158	-.158	0	%100
85	M109	X	0	0	0	%100
86	M109	Z	-.158	-.158	0	%100
87	M86A	X	0	0	0	%100
88	M86A	Z	-.113	-.113	0	%100
89	M99A	X	0	0	0	%100
90	M99A	Z	-.73	-.73	0	%100
91	M105A	X	0	0	0	%100
92	M105A	Z	-.269	-.269	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
93	MP2A	X	0	0	0	%100
94	MP2A	Z	-.912	-.912	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	-.631	-.631	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	-.631	-.631	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-.631	-.631	0	%100
101	MP3C	X	0	0	0	%100
102	MP3C	Z	-.631	-.631	0	%100
103	MP4C	X	0	0	0	%100
104	MP4C	Z	-.631	-.631	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	-.631	-.631	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	-.631	-.631	0	%100
109	MP4B	X	0	0	0	%100
110	MP4B	Z	-.631	-.631	0	%100
111	M126	X	0	0	0	%100
112	M126	Z	-.334	-.334	0	%100
113	M127A	X	0	0	0	%100
114	M127A	Z	-.876	-.876	0	%100
115	M128A	X	0	0	0	%100
116	M128A	Z	-.876	-.876	0	%100
117	M131A	X	0	0	0	%100
118	M131A	Z	-.631	-.631	0	%100
119	M132	X	0	0	0	%100
120	M132	Z	-.631	-.631	0	%100
121	MP2C	X	0	0	0	%100
122	MP2C	Z	-.912	-.912	0	%100
123	MP2B	X	0	0	0	%100
124	MP2B	Z	-.912	-.912	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.349	.349	0	%100
2	M1	Z	-.604	-.604	0	%100
3	M4	X	.118	.118	0	%100
4	M4	Z	-.204	-.204	0	%100
5	M10	X	.3	.3	0	%100
6	M10	Z	-.519	-.519	0	%100
7	MP1A	X	.315	.315	0	%100
8	MP1A	Z	-.546	-.546	0	%100
9	M43	X	.3	.3	0	%100
10	M43	Z	-.519	-.519	0	%100
11	M46	X	.598	.598	0	%100
12	M46	Z	-1.035	-1.035	0	%100
13	M51B	X	.332	.332	0	%100
14	M51B	Z	-.575	-.575	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	.199	.199	0	%100
18	M76	Z	-.345	-.345	0	%100
19	M77	X	.609	.609	0	%100
20	M77	Z	-1.054	-1.054	0	%100
21	M80	X	.641	.641	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M80	Z	-1.11	-1.11	0	%100
23	M84	X	.199	.199	0	%100
24	M84	Z	-.345	-.345	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M52A	X	.118	.118	0	%100
30	M52A	Z	-.204	-.204	0	%100
31	M53	X	.3	.3	0	%100
32	M53	Z	-.519	-.519	0	%100
33	M54	X	.3	.3	0	%100
34	M54	Z	-.519	-.519	0	%100
35	M55	X	.598	.598	0	%100
36	M55	Z	-1.035	-1.035	0	%100
37	M58A	X	0	0	0	%100
38	M58A	Z	0	0	0	%100
39	M59A	X	.332	.332	0	%100
40	M59A	Z	-.575	-.575	0	%100
41	M63	X	.199	.199	0	%100
42	M63	Z	-.345	-.345	0	%100
43	M64	X	0	0	0	%100
44	M64	Z	0	0	0	%100
45	M66	X	0	0	0	%100
46	M66	Z	0	0	0	%100
47	M68	X	.199	.199	0	%100
48	M68	Z	-.345	-.345	0	%100
49	M69	X	.609	.609	0	%100
50	M69	Z	-1.054	-1.054	0	%100
51	M71	X	.641	.641	0	%100
52	M71	Z	-1.11	-1.11	0	%100
53	M76A	X	.472	.472	0	%100
54	M76A	Z	-.818	-.818	0	%100
55	M77A	X	0	0	0	%100
56	M77A	Z	0	0	0	%100
57	M78	X	0	0	0	%100
58	M78	Z	0	0	0	%100
59	M79A	X	0	0	0	%100
60	M79A	Z	0	0	0	%100
61	M82	X	.332	.332	0	%100
62	M82	Z	-.575	-.575	0	%100
63	M83A	X	.332	.332	0	%100
64	M83A	Z	-.575	-.575	0	%100
65	M87	X	.797	.797	0	%100
66	M87	Z	-1.38	-1.38	0	%100
67	M88A	X	.609	.609	0	%100
68	M88A	Z	-1.054	-1.054	0	%100
69	M90	X	.641	.641	0	%100
70	M90	Z	-1.11	-1.11	0	%100
71	M92A	X	.797	.797	0	%100
72	M92A	Z	-1.38	-1.38	0	%100
73	M93	X	.609	.609	0	%100
74	M93	Z	-1.054	-1.054	0	%100
75	M95	X	.641	.641	0	%100
76	M95	Z	-1.11	-1.11	0	%100
77	M82A	X	.349	.349	0	%100
78	M82A	Z	-.604	-.604	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	M91B	X	0	0	0	%100
80	M91B	Z	0	0	0	%100
81	M100	X	.237	.237	0	%100
82	M100	Z	-.41	-.41	0	%100
83	M105	X	.237	.237	0	%100
84	M105	Z	-.41	-.41	0	%100
85	M109	X	0	0	0	%100
86	M109	Z	0	0	0	%100
87	M86A	X	.006	.006	0	%100
88	M86A	Z	-.01	-.01	0	%100
89	M99A	X	.236	.236	0	%100
90	M99A	Z	-.409	-.409	0	%100
91	M105A	X	.314	.314	0	%100
92	M105A	Z	-.544	-.544	0	%100
93	MP2A	X	.456	.456	0	%100
94	MP2A	Z	-.79	-.79	0	%100
95	MP3A	X	.315	.315	0	%100
96	MP3A	Z	-.546	-.546	0	%100
97	MP4A	X	.315	.315	0	%100
98	MP4A	Z	-.546	-.546	0	%100
99	MP1C	X	.315	.315	0	%100
100	MP1C	Z	-.546	-.546	0	%100
101	MP3C	X	.315	.315	0	%100
102	MP3C	Z	-.546	-.546	0	%100
103	MP4C	X	.315	.315	0	%100
104	MP4C	Z	-.546	-.546	0	%100
105	MP1B	X	.315	.315	0	%100
106	MP1B	Z	-.546	-.546	0	%100
107	MP3B	X	.315	.315	0	%100
108	MP3B	Z	-.546	-.546	0	%100
109	MP4B	X	.315	.315	0	%100
110	MP4B	Z	-.546	-.546	0	%100
111	M126	X	.257	.257	0	%100
112	M126	Z	-.446	-.446	0	%100
113	M127A	X	.257	.257	0	%100
114	M127A	Z	-.446	-.446	0	%100
115	M128A	X	.528	.528	0	%100
116	M128A	Z	-.915	-.915	0	%100
117	M131A	X	.315	.315	0	%100
118	M131A	Z	-.546	-.546	0	%100
119	M132	X	.315	.315	0	%100
120	M132	Z	-.546	-.546	0	%100
121	MP2C	X	.456	.456	0	%100
122	MP2C	Z	-.79	-.79	0	%100
123	MP2B	X	.456	.456	0	%100
124	MP2B	Z	-.79	-.79	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.201	.201	0	%100
2	M1	Z	-.116	-.116	0	%100
3	M4	X	.613	.613	0	%100
4	M4	Z	-.354	-.354	0	%100
5	M10	X	.173	.173	0	%100
6	M10	Z	-.1	-.1	0	%100
7	MP1A	X	.546	.546	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	MP1A	Z	-.315	-.315	0	%100
9	M43	X	.173	.173	0	%100
10	M43	Z	-.1	-.1	0	%100
11	M46	X	.345	.345	0	%100
12	M46	Z	-.199	-.199	0	%100
13	M51B	X	.766	.766	0	%100
14	M51B	Z	-.442	-.442	0	%100
15	M52B	X	.192	.192	0	%100
16	M52B	Z	-.111	-.111	0	%100
17	M76	X	1.035	1.035	0	%100
18	M76	Z	-.598	-.598	0	%100
19	M77	X	1.405	1.405	0	%100
20	M77	Z	-.811	-.811	0	%100
21	M80	X	1.48	1.48	0	%100
22	M80	Z	-.855	-.855	0	%100
23	M84	X	1.035	1.035	0	%100
24	M84	Z	-.598	-.598	0	%100
25	M85	X	.351	.351	0	%100
26	M85	Z	-.203	-.203	0	%100
27	M91	X	.37	.37	0	%100
28	M91	Z	-.214	-.214	0	%100
29	M52A	X	0	0	0	%100
30	M52A	Z	0	0	0	%100
31	M53	X	.692	.692	0	%100
32	M53	Z	-.399	-.399	0	%100
33	M54	X	.692	.692	0	%100
34	M54	Z	-.399	-.399	0	%100
35	M55	X	1.38	1.38	0	%100
36	M55	Z	-.797	-.797	0	%100
37	M58A	X	.192	.192	0	%100
38	M58A	Z	-.111	-.111	0	%100
39	M59A	X	.192	.192	0	%100
40	M59A	Z	-.111	-.111	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	0	0	0	%100
43	M64	X	.351	.351	0	%100
44	M64	Z	-.203	-.203	0	%100
45	M66	X	.37	.37	0	%100
46	M66	Z	-.214	-.214	0	%100
47	M68	X	0	0	0	%100
48	M68	Z	0	0	0	%100
49	M69	X	.351	.351	0	%100
50	M69	Z	-.203	-.203	0	%100
51	M71	X	.37	.37	0	%100
52	M71	Z	-.214	-.214	0	%100
53	M76A	X	.613	.613	0	%100
54	M76A	Z	-.354	-.354	0	%100
55	M77A	X	.173	.173	0	%100
56	M77A	Z	-.1	-.1	0	%100
57	M78	X	.173	.173	0	%100
58	M78	Z	-.1	-.1	0	%100
59	M79A	X	.345	.345	0	%100
60	M79A	Z	-.199	-.199	0	%100
61	M82	X	.192	.192	0	%100
62	M82	Z	-.111	-.111	0	%100
63	M83A	X	.766	.766	0	%100
64	M83A	Z	-.442	-.442	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	M87	X	1.035	1.035	0	%100
66	M87	Z	-.598	-.598	0	%100
67	M88A	X	.351	.351	0	%100
68	M88A	Z	-.203	-.203	0	%100
69	M90	X	.37	.37	0	%100
70	M90	Z	-.214	-.214	0	%100
71	M92A	X	1.035	1.035	0	%100
72	M92A	Z	-.598	-.598	0	%100
73	M93	X	1.405	1.405	0	%100
74	M93	Z	-.811	-.811	0	%100
75	M95	X	1.48	1.48	0	%100
76	M95	Z	-.855	-.855	0	%100
77	M82A	X	.805	.805	0	%100
78	M82A	Z	-.465	-.465	0	%100
79	M91B	X	.201	.201	0	%100
80	M91B	Z	-.116	-.116	0	%100
81	M100	X	.137	.137	0	%100
82	M100	Z	-.079	-.079	0	%100
83	M105	X	.546	.546	0	%100
84	M105	Z	-.315	-.315	0	%100
85	M109	X	.137	.137	0	%100
86	M109	Z	-.079	-.079	0	%100
87	M86A	X	.233	.233	0	%100
88	M86A	Z	-.135	-.135	0	%100
89	M99A	X	.098	.098	0	%100
90	M99A	Z	-.056	-.056	0	%100
91	M105A	X	.633	.633	0	%100
92	M105A	Z	-.365	-.365	0	%100
93	MP2A	X	.79	.79	0	%100
94	MP2A	Z	-.456	-.456	0	%100
95	MP3A	X	.546	.546	0	%100
96	MP3A	Z	-.315	-.315	0	%100
97	MP4A	X	.546	.546	0	%100
98	MP4A	Z	-.315	-.315	0	%100
99	MP1C	X	.546	.546	0	%100
100	MP1C	Z	-.315	-.315	0	%100
101	MP3C	X	.546	.546	0	%100
102	MP3C	Z	-.315	-.315	0	%100
103	MP4C	X	.546	.546	0	%100
104	MP4C	Z	-.315	-.315	0	%100
105	MP1B	X	.546	.546	0	%100
106	MP1B	Z	-.315	-.315	0	%100
107	MP3B	X	.546	.546	0	%100
108	MP3B	Z	-.315	-.315	0	%100
109	MP4B	X	.546	.546	0	%100
110	MP4B	Z	-.315	-.315	0	%100
111	M126	X	.758	.758	0	%100
112	M126	Z	-.438	-.438	0	%100
113	M127A	X	.289	.289	0	%100
114	M127A	Z	-.167	-.167	0	%100
115	M128A	X	.758	.758	0	%100
116	M128A	Z	-.438	-.438	0	%100
117	M131A	X	.546	.546	0	%100
118	M131A	Z	-.315	-.315	0	%100
119	M132	X	.546	.546	0	%100
120	M132	Z	-.315	-.315	0	%100
121	MP2C	X	.79	.79	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
122	MP2C	Z	-.456	-.456	0	%100
123	MP2B	X	.79	.79	0	%100
124	MP2B	Z	-.456	-.456	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.944	.944	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	.631	.631	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	.664	.664	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	.664	.664	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	1.593	1.593	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	1.217	1.217	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	1.282	1.282	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	1.593	1.593	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	1.217	1.217	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	1.282	1.282	0	%100
28	M91	Z	0	0	0	%100
29	M52A	X	.236	.236	0	%100
30	M52A	Z	0	0	0	%100
31	M53	X	.599	.599	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	.599	.599	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	1.195	1.195	0	%100
36	M55	Z	0	0	0	%100
37	M58A	X	.664	.664	0	%100
38	M58A	Z	0	0	0	%100
39	M59A	X	0	0	0	%100
40	M59A	Z	0	0	0	%100
41	M63	X	.398	.398	0	%100
42	M63	Z	0	0	0	%100
43	M64	X	1.217	1.217	0	%100
44	M64	Z	0	0	0	%100
45	M66	X	1.282	1.282	0	%100
46	M66	Z	0	0	0	%100
47	M68	X	.398	.398	0	%100
48	M68	Z	0	0	0	%100
49	M69	X	0	0	0	%100
50	M69	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
51	M71	X	0	0	0	%100
52	M71	Z	0	0	0	%100
53	M76A	X	.236	.236	0	%100
54	M76A	Z	0	0	0	%100
55	M77A	X	.599	.599	0	%100
56	M77A	Z	0	0	0	%100
57	M78	X	.599	.599	0	%100
58	M78	Z	0	0	0	%100
59	M79A	X	1.195	1.195	0	%100
60	M79A	Z	0	0	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	0	0	0	%100
63	M83A	X	.664	.664	0	%100
64	M83A	Z	0	0	0	%100
65	M87	X	.398	.398	0	%100
66	M87	Z	0	0	0	%100
67	M88A	X	0	0	0	%100
68	M88A	Z	0	0	0	%100
69	M90	X	0	0	0	%100
70	M90	Z	0	0	0	%100
71	M92A	X	.398	.398	0	%100
72	M92A	Z	0	0	0	%100
73	M93	X	1.217	1.217	0	%100
74	M93	Z	0	0	0	%100
75	M95	X	1.282	1.282	0	%100
76	M95	Z	0	0	0	%100
77	M82A	X	.697	.697	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	.697	.697	0	%100
80	M91B	Z	0	0	0	%100
81	M100	X	0	0	0	%100
82	M100	Z	0	0	0	%100
83	M105	X	.473	.473	0	%100
84	M105	Z	0	0	0	%100
85	M109	X	.473	.473	0	%100
86	M109	Z	0	0	0	%100
87	M86A	X	.629	.629	0	%100
88	M86A	Z	0	0	0	%100
89	M99A	X	.011	.011	0	%100
90	M99A	Z	0	0	0	%100
91	M105A	X	.473	.473	0	%100
92	M105A	Z	0	0	0	%100
93	MP2A	X	.912	.912	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	.631	.631	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	.631	.631	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	.631	.631	0	%100
100	MP1C	Z	0	0	0	%100
101	MP3C	X	.631	.631	0	%100
102	MP3C	Z	0	0	0	%100
103	MP4C	X	.631	.631	0	%100
104	MP4C	Z	0	0	0	%100
105	MP1B	X	.631	.631	0	%100
106	MP1B	Z	0	0	0	%100
107	MP3B	X	.631	.631	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
108	MP3B	Z	0	0	0	%100
109	MP4B	X	.631	.631	0	%100
110	MP4B	Z	0	0	0	%100
111	M126	X	1.056	1.056	0	%100
112	M126	Z	0	0	0	%100
113	M127A	X	.515	.515	0	%100
114	M127A	Z	0	0	0	%100
115	M128A	X	.515	.515	0	%100
116	M128A	Z	0	0	0	%100
117	M131A	X	.631	.631	0	%100
118	M131A	Z	0	0	0	%100
119	M132	X	.631	.631	0	%100
120	M132	Z	0	0	0	%100
121	MP2C	X	.912	.912	0	%100
122	MP2C	Z	0	0	0	%100
123	MP2B	X	.912	.912	0	%100
124	MP2B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.201	.201	0	%100
2	M1	Z	.116	.116	0	%100
3	M4	X	.613	.613	0	%100
4	M4	Z	.354	.354	0	%100
5	M10	X	.173	.173	0	%100
6	M10	Z	.1	.1	0	%100
7	MP1A	X	.546	.546	0	%100
8	MP1A	Z	.315	.315	0	%100
9	M43	X	.173	.173	0	%100
10	M43	Z	.1	.1	0	%100
11	M46	X	.345	.345	0	%100
12	M46	Z	.199	.199	0	%100
13	M51B	X	.192	.192	0	%100
14	M51B	Z	.111	.111	0	%100
15	M52B	X	.766	.766	0	%100
16	M52B	Z	.442	.442	0	%100
17	M76	X	1.035	1.035	0	%100
18	M76	Z	.598	.598	0	%100
19	M77	X	.351	.351	0	%100
20	M77	Z	.203	.203	0	%100
21	M80	X	.37	.37	0	%100
22	M80	Z	.214	.214	0	%100
23	M84	X	1.035	1.035	0	%100
24	M84	Z	.598	.598	0	%100
25	M85	X	1.405	1.405	0	%100
26	M85	Z	.811	.811	0	%100
27	M91	X	1.48	1.48	0	%100
28	M91	Z	.855	.855	0	%100
29	M52A	X	.613	.613	0	%100
30	M52A	Z	.354	.354	0	%100
31	M53	X	.173	.173	0	%100
32	M53	Z	.1	.1	0	%100
33	M54	X	.173	.173	0	%100
34	M54	Z	.1	.1	0	%100
35	M55	X	.345	.345	0	%100
36	M55	Z	.199	.199	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M58A	X	.766	.766	0	%100
38	M58A	Z	.442	.442	0	%100
39	M59A	X	.192	.192	0	%100
40	M59A	Z	.111	.111	0	%100
41	M63	X	1.035	1.035	0	%100
42	M63	Z	.598	.598	0	%100
43	M64	X	1.405	1.405	0	%100
44	M64	Z	.811	.811	0	%100
45	M66	X	1.48	1.48	0	%100
46	M66	Z	.855	.855	0	%100
47	M68	X	1.035	1.035	0	%100
48	M68	Z	.598	.598	0	%100
49	M69	X	.351	.351	0	%100
50	M69	Z	.203	.203	0	%100
51	M71	X	.37	.37	0	%100
52	M71	Z	.214	.214	0	%100
53	M76A	X	0	0	0	%100
54	M76A	Z	0	0	0	%100
55	M77A	X	.692	.692	0	%100
56	M77A	Z	.399	.399	0	%100
57	M78	X	.692	.692	0	%100
58	M78	Z	.399	.399	0	%100
59	M79A	X	1.38	1.38	0	%100
60	M79A	Z	.797	.797	0	%100
61	M82	X	.192	.192	0	%100
62	M82	Z	.111	.111	0	%100
63	M83A	X	.192	.192	0	%100
64	M83A	Z	.111	.111	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	0	0	0	%100
67	M88A	X	.351	.351	0	%100
68	M88A	Z	.203	.203	0	%100
69	M90	X	.37	.37	0	%100
70	M90	Z	.214	.214	0	%100
71	M92A	X	0	0	0	%100
72	M92A	Z	0	0	0	%100
73	M93	X	.351	.351	0	%100
74	M93	Z	.203	.203	0	%100
75	M95	X	.37	.37	0	%100
76	M95	Z	.214	.214	0	%100
77	M82A	X	.201	.201	0	%100
78	M82A	Z	.116	.116	0	%100
79	M91B	X	.805	.805	0	%100
80	M91B	Z	.465	.465	0	%100
81	M100	X	.137	.137	0	%100
82	M100	Z	.079	.079	0	%100
83	M105	X	.137	.137	0	%100
84	M105	Z	.079	.079	0	%100
85	M109	X	.546	.546	0	%100
86	M109	Z	.315	.315	0	%100
87	M86A	X	.633	.633	0	%100
88	M86A	Z	.365	.365	0	%100
89	M99A	X	.233	.233	0	%100
90	M99A	Z	.135	.135	0	%100
91	M105A	X	.098	.098	0	%100
92	M105A	Z	.056	.056	0	%100
93	MP2A	X	.79	.79	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
94	MP2A	Z	.456	.456	0	%100
95	MP3A	X	.546	.546	0	%100
96	MP3A	Z	.315	.315	0	%100
97	MP4A	X	.546	.546	0	%100
98	MP4A	Z	.315	.315	0	%100
99	MP1C	X	.546	.546	0	%100
100	MP1C	Z	.315	.315	0	%100
101	MP3C	X	.546	.546	0	%100
102	MP3C	Z	.315	.315	0	%100
103	MP4C	X	.546	.546	0	%100
104	MP4C	Z	.315	.315	0	%100
105	MP1B	X	.546	.546	0	%100
106	MP1B	Z	.315	.315	0	%100
107	MP3B	X	.546	.546	0	%100
108	MP3B	Z	.315	.315	0	%100
109	MP4B	X	.546	.546	0	%100
110	MP4B	Z	.315	.315	0	%100
111	M126	X	.758	.758	0	%100
112	M126	Z	.438	.438	0	%100
113	M127A	X	.758	.758	0	%100
114	M127A	Z	.438	.438	0	%100
115	M128A	X	.289	.289	0	%100
116	M128A	Z	.167	.167	0	%100
117	M131A	X	.546	.546	0	%100
118	M131A	Z	.315	.315	0	%100
119	M132	X	.546	.546	0	%100
120	M132	Z	.315	.315	0	%100
121	MP2C	X	.79	.79	0	%100
122	MP2C	Z	.456	.456	0	%100
123	MP2B	X	.79	.79	0	%100
124	MP2B	Z	.456	.456	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.349	.349	0	%100
2	M1	Z	.604	.604	0	%100
3	M4	X	.118	.118	0	%100
4	M4	Z	.204	.204	0	%100
5	M10	X	.3	.3	0	%100
6	M10	Z	.519	.519	0	%100
7	MP1A	X	.315	.315	0	%100
8	MP1A	Z	.546	.546	0	%100
9	M43	X	.3	.3	0	%100
10	M43	Z	.519	.519	0	%100
11	M46	X	.598	.598	0	%100
12	M46	Z	1.035	1.035	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	.332	.332	0	%100
16	M52B	Z	.575	.575	0	%100
17	M76	X	.199	.199	0	%100
18	M76	Z	.345	.345	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
23	M84	X	.199	.199	0	%100
24	M84	Z	.345	.345	0	%100
25	M85	X	.609	.609	0	%100
26	M85	Z	1.054	1.054	0	%100
27	M91	X	.641	.641	0	%100
28	M91	Z	1.11	1.11	0	%100
29	M52A	X	.472	.472	0	%100
30	M52A	Z	.818	.818	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	0	0	0	%100
36	M55	Z	0	0	0	%100
37	M58A	X	.332	.332	0	%100
38	M58A	Z	.575	.575	0	%100
39	M59A	X	.332	.332	0	%100
40	M59A	Z	.575	.575	0	%100
41	M63	X	.797	.797	0	%100
42	M63	Z	1.38	1.38	0	%100
43	M64	X	.609	.609	0	%100
44	M64	Z	1.054	1.054	0	%100
45	M66	X	.641	.641	0	%100
46	M66	Z	1.11	1.11	0	%100
47	M68	X	.797	.797	0	%100
48	M68	Z	1.38	1.38	0	%100
49	M69	X	.609	.609	0	%100
50	M69	Z	1.054	1.054	0	%100
51	M71	X	.641	.641	0	%100
52	M71	Z	1.11	1.11	0	%100
53	M76A	X	.118	.118	0	%100
54	M76A	Z	.204	.204	0	%100
55	M77A	X	.3	.3	0	%100
56	M77A	Z	.519	.519	0	%100
57	M78	X	.3	.3	0	%100
58	M78	Z	.519	.519	0	%100
59	M79A	X	.598	.598	0	%100
60	M79A	Z	1.035	1.035	0	%100
61	M82	X	.332	.332	0	%100
62	M82	Z	.575	.575	0	%100
63	M83A	X	0	0	0	%100
64	M83A	Z	0	0	0	%100
65	M87	X	.199	.199	0	%100
66	M87	Z	.345	.345	0	%100
67	M88A	X	.609	.609	0	%100
68	M88A	Z	1.054	1.054	0	%100
69	M90	X	.641	.641	0	%100
70	M90	Z	1.11	1.11	0	%100
71	M92A	X	.199	.199	0	%100
72	M92A	Z	.345	.345	0	%100
73	M93	X	0	0	0	%100
74	M93	Z	0	0	0	%100
75	M95	X	0	0	0	%100
76	M95	Z	0	0	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	.349	.349	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
80	M91B	Z	.604	.604	0	%100
81	M100	X	.237	.237	0	%100
82	M100	Z	.41	.41	0	%100
83	M105	X	0	0	0	%100
84	M105	Z	0	0	0	%100
85	M109	X	.237	.237	0	%100
86	M109	Z	.41	.41	0	%100
87	M86A	X	.236	.236	0	%100
88	M86A	Z	.409	.409	0	%100
89	M99A	X	.314	.314	0	%100
90	M99A	Z	.544	.544	0	%100
91	M105A	X	.006	.006	0	%100
92	M105A	Z	.01	.01	0	%100
93	MP2A	X	.456	.456	0	%100
94	MP2A	Z	.79	.79	0	%100
95	MP3A	X	.315	.315	0	%100
96	MP3A	Z	.546	.546	0	%100
97	MP4A	X	.315	.315	0	%100
98	MP4A	Z	.546	.546	0	%100
99	MP1C	X	.315	.315	0	%100
100	MP1C	Z	.546	.546	0	%100
101	MP3C	X	.315	.315	0	%100
102	MP3C	Z	.546	.546	0	%100
103	MP4C	X	.315	.315	0	%100
104	MP4C	Z	.546	.546	0	%100
105	MP1B	X	.315	.315	0	%100
106	MP1B	Z	.546	.546	0	%100
107	MP3B	X	.315	.315	0	%100
108	MP3B	Z	.546	.546	0	%100
109	MP4B	X	.315	.315	0	%100
110	MP4B	Z	.546	.546	0	%100
111	M126	X	.257	.257	0	%100
112	M126	Z	.446	.446	0	%100
113	M127A	X	.528	.528	0	%100
114	M127A	Z	.915	.915	0	%100
115	M128A	X	.257	.257	0	%100
116	M128A	Z	.446	.446	0	%100
117	M131A	X	.315	.315	0	%100
118	M131A	Z	.546	.546	0	%100
119	M132	X	.315	.315	0	%100
120	M132	Z	.546	.546	0	%100
121	MP2C	X	.456	.456	0	%100
122	MP2C	Z	.79	.79	0	%100
123	MP2B	X	.456	.456	0	%100
124	MP2B	Z	.79	.79	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.929	.929	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.799	.799	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	.631	.631	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	M43	X	0	0	0	%100
10	M43	Z	.799	.799	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	1.593	1.593	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	.221	.221	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	.221	.221	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	.406	.406	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	.427	.427	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	.406	.406	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	.427	.427	0	%100
29	M52A	X	0	0	0	%100
30	M52A	Z	.708	.708	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	.2	.2	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	.2	.2	0	%100
35	M55	X	0	0	0	%100
36	M55	Z	.398	.398	0	%100
37	M58A	X	0	0	0	%100
38	M58A	Z	.221	.221	0	%100
39	M59A	X	0	0	0	%100
40	M59A	Z	.885	.885	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	1.195	1.195	0	%100
43	M64	X	0	0	0	%100
44	M64	Z	.406	.406	0	%100
45	M66	X	0	0	0	%100
46	M66	Z	.427	.427	0	%100
47	M68	X	0	0	0	%100
48	M68	Z	1.195	1.195	0	%100
49	M69	X	0	0	0	%100
50	M69	Z	1.623	1.623	0	%100
51	M71	X	0	0	0	%100
52	M71	Z	1.709	1.709	0	%100
53	M76A	X	0	0	0	%100
54	M76A	Z	.708	.708	0	%100
55	M77A	X	0	0	0	%100
56	M77A	Z	.2	.2	0	%100
57	M78	X	0	0	0	%100
58	M78	Z	.2	.2	0	%100
59	M79A	X	0	0	0	%100
60	M79A	Z	.398	.398	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	.885	.885	0	%100
63	M83A	X	0	0	0	%100
64	M83A	Z	.221	.221	0	%100
65	M87	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
66	M87	Z	1.195	1.195	0	%100
67	M88A	X	0	0	0	%100
68	M88A	Z	1.623	1.623	0	%100
69	M90	X	0	0	0	%100
70	M90	Z	1.709	1.709	0	%100
71	M92A	X	0	0	0	%100
72	M92A	Z	1.195	1.195	0	%100
73	M93	X	0	0	0	%100
74	M93	Z	.406	.406	0	%100
75	M95	X	0	0	0	%100
76	M95	Z	.427	.427	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	.232	.232	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	.232	.232	0	%100
81	M100	X	0	0	0	%100
82	M100	Z	.631	.631	0	%100
83	M105	X	0	0	0	%100
84	M105	Z	.158	.158	0	%100
85	M109	X	0	0	0	%100
86	M109	Z	.158	.158	0	%100
87	M86A	X	0	0	0	%100
88	M86A	Z	.113	.113	0	%100
89	M99A	X	0	0	0	%100
90	M99A	Z	.73	.73	0	%100
91	M105A	X	0	0	0	%100
92	M105A	Z	.269	.269	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	.912	.912	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	.631	.631	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	.631	.631	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	.631	.631	0	%100
101	MP3C	X	0	0	0	%100
102	MP3C	Z	.631	.631	0	%100
103	MP4C	X	0	0	0	%100
104	MP4C	Z	.631	.631	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	.631	.631	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	.631	.631	0	%100
109	MP4B	X	0	0	0	%100
110	MP4B	Z	.631	.631	0	%100
111	M126	X	0	0	0	%100
112	M126	Z	.334	.334	0	%100
113	M127A	X	0	0	0	%100
114	M127A	Z	.876	.876	0	%100
115	M128A	X	0	0	0	%100
116	M128A	Z	.876	.876	0	%100
117	M131A	X	0	0	0	%100
118	M131A	Z	.631	.631	0	%100
119	M132	X	0	0	0	%100
120	M132	Z	.631	.631	0	%100
121	MP2C	X	0	0	0	%100
122	MP2C	Z	.912	.912	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
123	MP2B	X	0	0	0	%100
124	MP2B	Z	.912	.912	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.349	-.349	0	%100
2	M1	Z	.604	.604	0	%100
3	M4	X	-.118	-.118	0	%100
4	M4	Z	.204	.204	0	%100
5	M10	X	-.3	-.3	0	%100
6	M10	Z	.519	.519	0	%100
7	MP1A	X	-.315	-.315	0	%100
8	MP1A	Z	.546	.546	0	%100
9	M43	X	-.3	-.3	0	%100
10	M43	Z	.519	.519	0	%100
11	M46	X	-.598	-.598	0	%100
12	M46	Z	1.035	1.035	0	%100
13	M51B	X	-.332	-.332	0	%100
14	M51B	Z	.575	.575	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-.199	-.199	0	%100
18	M76	Z	.345	.345	0	%100
19	M77	X	-.609	-.609	0	%100
20	M77	Z	1.054	1.054	0	%100
21	M80	X	-.641	-.641	0	%100
22	M80	Z	1.11	1.11	0	%100
23	M84	X	-.199	-.199	0	%100
24	M84	Z	.345	.345	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M52A	X	-.118	-.118	0	%100
30	M52A	Z	.204	.204	0	%100
31	M53	X	-.3	-.3	0	%100
32	M53	Z	.519	.519	0	%100
33	M54	X	-.3	-.3	0	%100
34	M54	Z	.519	.519	0	%100
35	M55	X	-.598	-.598	0	%100
36	M55	Z	1.035	1.035	0	%100
37	M58A	X	0	0	0	%100
38	M58A	Z	0	0	0	%100
39	M59A	X	-.332	-.332	0	%100
40	M59A	Z	.575	.575	0	%100
41	M63	X	-.199	-.199	0	%100
42	M63	Z	.345	.345	0	%100
43	M64	X	0	0	0	%100
44	M64	Z	0	0	0	%100
45	M66	X	0	0	0	%100
46	M66	Z	0	0	0	%100
47	M68	X	-.199	-.199	0	%100
48	M68	Z	.345	.345	0	%100
49	M69	X	-.609	-.609	0	%100
50	M69	Z	1.054	1.054	0	%100
51	M71	X	-.641	-.641	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M71	Z	1.11	1.11	0	%100
53	M76A	X	-.472	-.472	0	%100
54	M76A	Z	.818	.818	0	%100
55	M77A	X	0	0	0	%100
56	M77A	Z	0	0	0	%100
57	M78	X	0	0	0	%100
58	M78	Z	0	0	0	%100
59	M79A	X	0	0	0	%100
60	M79A	Z	0	0	0	%100
61	M82	X	-.332	-.332	0	%100
62	M82	Z	.575	.575	0	%100
63	M83A	X	-.332	-.332	0	%100
64	M83A	Z	.575	.575	0	%100
65	M87	X	-.797	-.797	0	%100
66	M87	Z	1.38	1.38	0	%100
67	M88A	X	-.609	-.609	0	%100
68	M88A	Z	1.054	1.054	0	%100
69	M90	X	-.641	-.641	0	%100
70	M90	Z	1.11	1.11	0	%100
71	M92A	X	-.797	-.797	0	%100
72	M92A	Z	1.38	1.38	0	%100
73	M93	X	-.609	-.609	0	%100
74	M93	Z	1.054	1.054	0	%100
75	M95	X	-.641	-.641	0	%100
76	M95	Z	1.11	1.11	0	%100
77	M82A	X	-.349	-.349	0	%100
78	M82A	Z	.604	.604	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	0	0	0	%100
81	M100	X	-.237	-.237	0	%100
82	M100	Z	.41	.41	0	%100
83	M105	X	-.237	-.237	0	%100
84	M105	Z	.41	.41	0	%100
85	M109	X	0	0	0	%100
86	M109	Z	0	0	0	%100
87	M86A	X	-.006	-.006	0	%100
88	M86A	Z	.01	.01	0	%100
89	M99A	X	-.236	-.236	0	%100
90	M99A	Z	.409	.409	0	%100
91	M105A	X	-.314	-.314	0	%100
92	M105A	Z	.544	.544	0	%100
93	MP2A	X	-.456	-.456	0	%100
94	MP2A	Z	.79	.79	0	%100
95	MP3A	X	-.315	-.315	0	%100
96	MP3A	Z	.546	.546	0	%100
97	MP4A	X	-.315	-.315	0	%100
98	MP4A	Z	.546	.546	0	%100
99	MP1C	X	-.315	-.315	0	%100
100	MP1C	Z	.546	.546	0	%100
101	MP3C	X	-.315	-.315	0	%100
102	MP3C	Z	.546	.546	0	%100
103	MP4C	X	-.315	-.315	0	%100
104	MP4C	Z	.546	.546	0	%100
105	MP1B	X	-.315	-.315	0	%100
106	MP1B	Z	.546	.546	0	%100
107	MP3B	X	-.315	-.315	0	%100
108	MP3B	Z	.546	.546	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	MP4B	X	-.315	-.315	0	%100
110	MP4B	Z	.546	.546	0	%100
111	M126	X	-.257	-.257	0	%100
112	M126	Z	.446	.446	0	%100
113	M127A	X	-.257	-.257	0	%100
114	M127A	Z	.446	.446	0	%100
115	M128A	X	-.528	-.528	0	%100
116	M128A	Z	.915	.915	0	%100
117	M131A	X	-.315	-.315	0	%100
118	M131A	Z	.546	.546	0	%100
119	M132	X	-.315	-.315	0	%100
120	M132	Z	.546	.546	0	%100
121	MP2C	X	-.456	-.456	0	%100
122	MP2C	Z	.79	.79	0	%100
123	MP2B	X	-.456	-.456	0	%100
124	MP2B	Z	.79	.79	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.201	-.201	0	%100
2	M1	Z	.116	.116	0	%100
3	M4	X	-.613	-.613	0	%100
4	M4	Z	.354	.354	0	%100
5	M10	X	-.173	-.173	0	%100
6	M10	Z	.1	.1	0	%100
7	MP1A	X	-.546	-.546	0	%100
8	MP1A	Z	.315	.315	0	%100
9	M43	X	-.173	-.173	0	%100
10	M43	Z	.1	.1	0	%100
11	M46	X	-.345	-.345	0	%100
12	M46	Z	.199	.199	0	%100
13	M51B	X	-.766	-.766	0	%100
14	M51B	Z	.442	.442	0	%100
15	M52B	X	-.192	-.192	0	%100
16	M52B	Z	.111	.111	0	%100
17	M76	X	-1.035	-1.035	0	%100
18	M76	Z	.598	.598	0	%100
19	M77	X	-1.405	-1.405	0	%100
20	M77	Z	.811	.811	0	%100
21	M80	X	-1.48	-1.48	0	%100
22	M80	Z	.855	.855	0	%100
23	M84	X	-1.035	-1.035	0	%100
24	M84	Z	.598	.598	0	%100
25	M85	X	-.351	-.351	0	%100
26	M85	Z	.203	.203	0	%100
27	M91	X	-.37	-.37	0	%100
28	M91	Z	.214	.214	0	%100
29	M52A	X	0	0	0	%100
30	M52A	Z	0	0	0	%100
31	M53	X	-.692	-.692	0	%100
32	M53	Z	.399	.399	0	%100
33	M54	X	-.692	-.692	0	%100
34	M54	Z	.399	.399	0	%100
35	M55	X	-1.38	-1.38	0	%100
36	M55	Z	.797	.797	0	%100
37	M58A	X	-.192	-.192	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
38	M58A	Z	.111	.111	0	%100
39	M59A	X	-.192	-.192	0	%100
40	M59A	Z	.111	.111	0	%100
41	M63	X	0	0	0	%100
42	M63	Z	0	0	0	%100
43	M64	X	-.351	-.351	0	%100
44	M64	Z	.203	.203	0	%100
45	M66	X	-.37	-.37	0	%100
46	M66	Z	.214	.214	0	%100
47	M68	X	0	0	0	%100
48	M68	Z	0	0	0	%100
49	M69	X	-.351	-.351	0	%100
50	M69	Z	.203	.203	0	%100
51	M71	X	-.37	-.37	0	%100
52	M71	Z	.214	.214	0	%100
53	M76A	X	-.613	-.613	0	%100
54	M76A	Z	.354	.354	0	%100
55	M77A	X	-.173	-.173	0	%100
56	M77A	Z	.1	.1	0	%100
57	M78	X	-.173	-.173	0	%100
58	M78	Z	.1	.1	0	%100
59	M79A	X	-.345	-.345	0	%100
60	M79A	Z	.199	.199	0	%100
61	M82	X	-.192	-.192	0	%100
62	M82	Z	.111	.111	0	%100
63	M83A	X	-.766	-.766	0	%100
64	M83A	Z	.442	.442	0	%100
65	M87	X	-1.035	-1.035	0	%100
66	M87	Z	.598	.598	0	%100
67	M88A	X	-.351	-.351	0	%100
68	M88A	Z	.203	.203	0	%100
69	M90	X	-.37	-.37	0	%100
70	M90	Z	.214	.214	0	%100
71	M92A	X	-1.035	-1.035	0	%100
72	M92A	Z	.598	.598	0	%100
73	M93	X	-1.405	-1.405	0	%100
74	M93	Z	.811	.811	0	%100
75	M95	X	-1.48	-1.48	0	%100
76	M95	Z	.855	.855	0	%100
77	M82A	X	-.805	-.805	0	%100
78	M82A	Z	.465	.465	0	%100
79	M91B	X	-.201	-.201	0	%100
80	M91B	Z	.116	.116	0	%100
81	M100	X	-.137	-.137	0	%100
82	M100	Z	.079	.079	0	%100
83	M105	X	-.546	-.546	0	%100
84	M105	Z	.315	.315	0	%100
85	M109	X	-.137	-.137	0	%100
86	M109	Z	.079	.079	0	%100
87	M86A	X	-.233	-.233	0	%100
88	M86A	Z	.135	.135	0	%100
89	M99A	X	-.098	-.098	0	%100
90	M99A	Z	.056	.056	0	%100
91	M105A	X	-.633	-.633	0	%100
92	M105A	Z	.365	.365	0	%100
93	MP2A	X	-.79	-.79	0	%100
94	MP2A	Z	.456	.456	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
95	MP3A	X	-.546	-.546	0	%100
96	MP3A	Z	.315	.315	0	%100
97	MP4A	X	-.546	-.546	0	%100
98	MP4A	Z	.315	.315	0	%100
99	MP1C	X	-.546	-.546	0	%100
100	MP1C	Z	.315	.315	0	%100
101	MP3C	X	-.546	-.546	0	%100
102	MP3C	Z	.315	.315	0	%100
103	MP4C	X	-.546	-.546	0	%100
104	MP4C	Z	.315	.315	0	%100
105	MP1B	X	-.546	-.546	0	%100
106	MP1B	Z	.315	.315	0	%100
107	MP3B	X	-.546	-.546	0	%100
108	MP3B	Z	.315	.315	0	%100
109	MP4B	X	-.546	-.546	0	%100
110	MP4B	Z	.315	.315	0	%100
111	M126	X	-.758	-.758	0	%100
112	M126	Z	.438	.438	0	%100
113	M127A	X	-.289	-.289	0	%100
114	M127A	Z	.167	.167	0	%100
115	M128A	X	-.758	-.758	0	%100
116	M128A	Z	.438	.438	0	%100
117	M131A	X	-.546	-.546	0	%100
118	M131A	Z	.315	.315	0	%100
119	M132	X	-.546	-.546	0	%100
120	M132	Z	.315	.315	0	%100
121	MP2C	X	-.79	-.79	0	%100
122	MP2C	Z	.456	.456	0	%100
123	MP2B	X	-.79	-.79	0	%100
124	MP2B	Z	.456	.456	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.944	-.944	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	-.631	-.631	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	-.664	-.664	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-.664	-.664	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-1.593	-1.593	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	-1.217	-1.217	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	-1.282	-1.282	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-1.593	-1.593	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
24	M84	Z	0	0	0	%100
25	M85	X	-1.217	-1.217	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	-1.282	-1.282	0	%100
28	M91	Z	0	0	0	%100
29	M52A	X	-.236	-.236	0	%100
30	M52A	Z	0	0	0	%100
31	M53	X	-.599	-.599	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	-.599	-.599	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	-1.195	-1.195	0	%100
36	M55	Z	0	0	0	%100
37	M58A	X	-.664	-.664	0	%100
38	M58A	Z	0	0	0	%100
39	M59A	X	0	0	0	%100
40	M59A	Z	0	0	0	%100
41	M63	X	-.398	-.398	0	%100
42	M63	Z	0	0	0	%100
43	M64	X	-1.217	-1.217	0	%100
44	M64	Z	0	0	0	%100
45	M66	X	-1.282	-1.282	0	%100
46	M66	Z	0	0	0	%100
47	M68	X	-.398	-.398	0	%100
48	M68	Z	0	0	0	%100
49	M69	X	0	0	0	%100
50	M69	Z	0	0	0	%100
51	M71	X	0	0	0	%100
52	M71	Z	0	0	0	%100
53	M76A	X	-.236	-.236	0	%100
54	M76A	Z	0	0	0	%100
55	M77A	X	-.599	-.599	0	%100
56	M77A	Z	0	0	0	%100
57	M78	X	-.599	-.599	0	%100
58	M78	Z	0	0	0	%100
59	M79A	X	-1.195	-1.195	0	%100
60	M79A	Z	0	0	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	0	0	0	%100
63	M83A	X	-.664	-.664	0	%100
64	M83A	Z	0	0	0	%100
65	M87	X	-.398	-.398	0	%100
66	M87	Z	0	0	0	%100
67	M88A	X	0	0	0	%100
68	M88A	Z	0	0	0	%100
69	M90	X	0	0	0	%100
70	M90	Z	0	0	0	%100
71	M92A	X	-.398	-.398	0	%100
72	M92A	Z	0	0	0	%100
73	M93	X	-1.217	-1.217	0	%100
74	M93	Z	0	0	0	%100
75	M95	X	-1.282	-1.282	0	%100
76	M95	Z	0	0	0	%100
77	M82A	X	-.697	-.697	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	-.697	-.697	0	%100
80	M91B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
81	M100	X	0	0	0	%100
82	M100	Z	0	0	0	%100
83	M105	X	-.473	-.473	0	%100
84	M105	Z	0	0	0	%100
85	M109	X	-.473	-.473	0	%100
86	M109	Z	0	0	0	%100
87	M86A	X	-.629	-.629	0	%100
88	M86A	Z	0	0	0	%100
89	M99A	X	-.011	-.011	0	%100
90	M99A	Z	0	0	0	%100
91	M105A	X	-.473	-.473	0	%100
92	M105A	Z	0	0	0	%100
93	MP2A	X	-.912	-.912	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	-.631	-.631	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	-.631	-.631	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	-.631	-.631	0	%100
100	MP1C	Z	0	0	0	%100
101	MP3C	X	-.631	-.631	0	%100
102	MP3C	Z	0	0	0	%100
103	MP4C	X	-.631	-.631	0	%100
104	MP4C	Z	0	0	0	%100
105	MP1B	X	-.631	-.631	0	%100
106	MP1B	Z	0	0	0	%100
107	MP3B	X	-.631	-.631	0	%100
108	MP3B	Z	0	0	0	%100
109	MP4B	X	-.631	-.631	0	%100
110	MP4B	Z	0	0	0	%100
111	M126	X	-1.056	-1.056	0	%100
112	M126	Z	0	0	0	%100
113	M127A	X	-.515	-.515	0	%100
114	M127A	Z	0	0	0	%100
115	M128A	X	-.515	-.515	0	%100
116	M128A	Z	0	0	0	%100
117	M131A	X	-.631	-.631	0	%100
118	M131A	Z	0	0	0	%100
119	M132	X	-.631	-.631	0	%100
120	M132	Z	0	0	0	%100
121	MP2C	X	-.912	-.912	0	%100
122	MP2C	Z	0	0	0	%100
123	MP2B	X	-.912	-.912	0	%100
124	MP2B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.201	-.201	0	%100
2	M1	Z	-.116	-.116	0	%100
3	M4	X	-.613	-.613	0	%100
4	M4	Z	-.354	-.354	0	%100
5	M10	X	-.173	-.173	0	%100
6	M10	Z	-.1	-.1	0	%100
7	MP1A	X	-.546	-.546	0	%100
8	MP1A	Z	-.315	-.315	0	%100
9	M43	X	-.173	-.173	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M43	Z	-.1	-.1	0	%100
11	M46	X	-.345	-.345	0	%100
12	M46	Z	-.199	-.199	0	%100
13	M51B	X	-.192	-.192	0	%100
14	M51B	Z	-.111	-.111	0	%100
15	M52B	X	-.766	-.766	0	%100
16	M52B	Z	-.442	-.442	0	%100
17	M76	X	-1.035	-1.035	0	%100
18	M76	Z	-.598	-.598	0	%100
19	M77	X	-.351	-.351	0	%100
20	M77	Z	-.203	-.203	0	%100
21	M80	X	-.37	-.37	0	%100
22	M80	Z	-.214	-.214	0	%100
23	M84	X	-1.035	-1.035	0	%100
24	M84	Z	-.598	-.598	0	%100
25	M85	X	-1.405	-1.405	0	%100
26	M85	Z	-.811	-.811	0	%100
27	M91	X	-1.48	-1.48	0	%100
28	M91	Z	-.855	-.855	0	%100
29	M52A	X	-.613	-.613	0	%100
30	M52A	Z	-.354	-.354	0	%100
31	M53	X	-.173	-.173	0	%100
32	M53	Z	-.1	-.1	0	%100
33	M54	X	-.173	-.173	0	%100
34	M54	Z	-.1	-.1	0	%100
35	M55	X	-.345	-.345	0	%100
36	M55	Z	-.199	-.199	0	%100
37	M58A	X	-.766	-.766	0	%100
38	M58A	Z	-.442	-.442	0	%100
39	M59A	X	-.192	-.192	0	%100
40	M59A	Z	-.111	-.111	0	%100
41	M63	X	-1.035	-1.035	0	%100
42	M63	Z	-.598	-.598	0	%100
43	M64	X	-1.405	-1.405	0	%100
44	M64	Z	-.811	-.811	0	%100
45	M66	X	-1.48	-1.48	0	%100
46	M66	Z	-.855	-.855	0	%100
47	M68	X	-1.035	-1.035	0	%100
48	M68	Z	-.598	-.598	0	%100
49	M69	X	-.351	-.351	0	%100
50	M69	Z	-.203	-.203	0	%100
51	M71	X	-.37	-.37	0	%100
52	M71	Z	-.214	-.214	0	%100
53	M76A	X	0	0	0	%100
54	M76A	Z	0	0	0	%100
55	M77A	X	-.692	-.692	0	%100
56	M77A	Z	-.399	-.399	0	%100
57	M78	X	-.692	-.692	0	%100
58	M78	Z	-.399	-.399	0	%100
59	M79A	X	-1.38	-1.38	0	%100
60	M79A	Z	-.797	-.797	0	%100
61	M82	X	-.192	-.192	0	%100
62	M82	Z	-.111	-.111	0	%100
63	M83A	X	-.192	-.192	0	%100
64	M83A	Z	-.111	-.111	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M88A	X	-.351	-.351	0	%100
68	M88A	Z	-.203	-.203	0	%100
69	M90	X	-.37	-.37	0	%100
70	M90	Z	-.214	-.214	0	%100
71	M92A	X	0	0	0	%100
72	M92A	Z	0	0	0	%100
73	M93	X	-.351	-.351	0	%100
74	M93	Z	-.203	-.203	0	%100
75	M95	X	-.37	-.37	0	%100
76	M95	Z	-.214	-.214	0	%100
77	M82A	X	-.201	-.201	0	%100
78	M82A	Z	-.116	-.116	0	%100
79	M91B	X	-.805	-.805	0	%100
80	M91B	Z	-.465	-.465	0	%100
81	M100	X	-.137	-.137	0	%100
82	M100	Z	-.079	-.079	0	%100
83	M105	X	-.137	-.137	0	%100
84	M105	Z	-.079	-.079	0	%100
85	M109	X	-.546	-.546	0	%100
86	M109	Z	-.315	-.315	0	%100
87	M86A	X	-.633	-.633	0	%100
88	M86A	Z	-.365	-.365	0	%100
89	M99A	X	-.233	-.233	0	%100
90	M99A	Z	-.135	-.135	0	%100
91	M105A	X	-.098	-.098	0	%100
92	M105A	Z	-.056	-.056	0	%100
93	MP2A	X	-.79	-.79	0	%100
94	MP2A	Z	-.456	-.456	0	%100
95	MP3A	X	-.546	-.546	0	%100
96	MP3A	Z	-.315	-.315	0	%100
97	MP4A	X	-.546	-.546	0	%100
98	MP4A	Z	-.315	-.315	0	%100
99	MP1C	X	-.546	-.546	0	%100
100	MP1C	Z	-.315	-.315	0	%100
101	MP3C	X	-.546	-.546	0	%100
102	MP3C	Z	-.315	-.315	0	%100
103	MP4C	X	-.546	-.546	0	%100
104	MP4C	Z	-.315	-.315	0	%100
105	MP1B	X	-.546	-.546	0	%100
106	MP1B	Z	-.315	-.315	0	%100
107	MP3B	X	-.546	-.546	0	%100
108	MP3B	Z	-.315	-.315	0	%100
109	MP4B	X	-.546	-.546	0	%100
110	MP4B	Z	-.315	-.315	0	%100
111	M126	X	-.758	-.758	0	%100
112	M126	Z	-.438	-.438	0	%100
113	M127A	X	-.758	-.758	0	%100
114	M127A	Z	-.438	-.438	0	%100
115	M128A	X	-.289	-.289	0	%100
116	M128A	Z	-.167	-.167	0	%100
117	M131A	X	-.546	-.546	0	%100
118	M131A	Z	-.315	-.315	0	%100
119	M132	X	-.546	-.546	0	%100
120	M132	Z	-.315	-.315	0	%100
121	MP2C	X	-.79	-.79	0	%100
122	MP2C	Z	-.456	-.456	0	%100
123	MP2B	X	-.79	-.79	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
124	MP2B	Z	-.456	-.456	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.349	-.349	0	%100
2	M1	Z	-.604	-.604	0	%100
3	M4	X	-.118	-.118	0	%100
4	M4	Z	-.204	-.204	0	%100
5	M10	X	-.3	-.3	0	%100
6	M10	Z	-.519	-.519	0	%100
7	MP1A	X	-.315	-.315	0	%100
8	MP1A	Z	-.546	-.546	0	%100
9	M43	X	-.3	-.3	0	%100
10	M43	Z	-.519	-.519	0	%100
11	M46	X	-.598	-.598	0	%100
12	M46	Z	-1.035	-1.035	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-.332	-.332	0	%100
16	M52B	Z	-.575	-.575	0	%100
17	M76	X	-.199	-.199	0	%100
18	M76	Z	-.345	-.345	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-.199	-.199	0	%100
24	M84	Z	-.345	-.345	0	%100
25	M85	X	-.609	-.609	0	%100
26	M85	Z	-1.054	-1.054	0	%100
27	M91	X	-.641	-.641	0	%100
28	M91	Z	-1.11	-1.11	0	%100
29	M52A	X	-.472	-.472	0	%100
30	M52A	Z	-.818	-.818	0	%100
31	M53	X	0	0	0	%100
32	M53	Z	0	0	0	%100
33	M54	X	0	0	0	%100
34	M54	Z	0	0	0	%100
35	M55	X	0	0	0	%100
36	M55	Z	0	0	0	%100
37	M58A	X	-.332	-.332	0	%100
38	M58A	Z	-.575	-.575	0	%100
39	M59A	X	-.332	-.332	0	%100
40	M59A	Z	-.575	-.575	0	%100
41	M63	X	-.797	-.797	0	%100
42	M63	Z	-1.38	-1.38	0	%100
43	M64	X	-.609	-.609	0	%100
44	M64	Z	-1.054	-1.054	0	%100
45	M66	X	-.641	-.641	0	%100
46	M66	Z	-1.11	-1.11	0	%100
47	M68	X	-.797	-.797	0	%100
48	M68	Z	-1.38	-1.38	0	%100
49	M69	X	-.609	-.609	0	%100
50	M69	Z	-1.054	-1.054	0	%100
51	M71	X	-.641	-.641	0	%100
52	M71	Z	-1.11	-1.11	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M76A	X	-.118	-.118	0	%100
54	M76A	Z	-.204	-.204	0	%100
55	M77A	X	-.3	-.3	0	%100
56	M77A	Z	-.519	-.519	0	%100
57	M78	X	-.3	-.3	0	%100
58	M78	Z	-.519	-.519	0	%100
59	M79A	X	-.598	-.598	0	%100
60	M79A	Z	-1.035	-1.035	0	%100
61	M82	X	-.332	-.332	0	%100
62	M82	Z	-.575	-.575	0	%100
63	M83A	X	0	0	0	%100
64	M83A	Z	0	0	0	%100
65	M87	X	-.199	-.199	0	%100
66	M87	Z	-.345	-.345	0	%100
67	M88A	X	-.609	-.609	0	%100
68	M88A	Z	-1.054	-1.054	0	%100
69	M90	X	-.641	-.641	0	%100
70	M90	Z	-1.11	-1.11	0	%100
71	M92A	X	-.199	-.199	0	%100
72	M92A	Z	-.345	-.345	0	%100
73	M93	X	0	0	0	%100
74	M93	Z	0	0	0	%100
75	M95	X	0	0	0	%100
76	M95	Z	0	0	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	-.349	-.349	0	%100
80	M91B	Z	-.604	-.604	0	%100
81	M100	X	-.237	-.237	0	%100
82	M100	Z	-.41	-.41	0	%100
83	M105	X	0	0	0	%100
84	M105	Z	0	0	0	%100
85	M109	X	-.237	-.237	0	%100
86	M109	Z	-.41	-.41	0	%100
87	M86A	X	-.236	-.236	0	%100
88	M86A	Z	-.409	-.409	0	%100
89	M99A	X	-.314	-.314	0	%100
90	M99A	Z	-.544	-.544	0	%100
91	M105A	X	-.006	-.006	0	%100
92	M105A	Z	-.01	-.01	0	%100
93	MP2A	X	-.456	-.456	0	%100
94	MP2A	Z	-.79	-.79	0	%100
95	MP3A	X	-.315	-.315	0	%100
96	MP3A	Z	-.546	-.546	0	%100
97	MP4A	X	-.315	-.315	0	%100
98	MP4A	Z	-.546	-.546	0	%100
99	MP1C	X	-.315	-.315	0	%100
100	MP1C	Z	-.546	-.546	0	%100
101	MP3C	X	-.315	-.315	0	%100
102	MP3C	Z	-.546	-.546	0	%100
103	MP4C	X	-.315	-.315	0	%100
104	MP4C	Z	-.546	-.546	0	%100
105	MP1B	X	-.315	-.315	0	%100
106	MP1B	Z	-.546	-.546	0	%100
107	MP3B	X	-.315	-.315	0	%100
108	MP3B	Z	-.546	-.546	0	%100
109	MP4B	X	-.315	-.315	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
110	MP4B	Z	-.546	-.546	0	%100
111	M126	X	-.257	-.257	0	%100
112	M126	Z	-.446	-.446	0	%100
113	M127A	X	-.528	-.528	0	%100
114	M127A	Z	-.915	-.915	0	%100
115	M128A	X	-.257	-.257	0	%100
116	M128A	Z	-.446	-.446	0	%100
117	M131A	X	-.315	-.315	0	%100
118	M131A	Z	-.546	-.546	0	%100
119	M132	X	-.315	-.315	0	%100
120	M132	Z	-.546	-.546	0	%100
121	MP2C	X	-.456	-.456	0	%100
122	MP2C	Z	-.79	-.79	0	%100
123	MP2B	X	-.456	-.456	0	%100
124	MP2B	Z	-.79	-.79	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M51B	Y	-1.879	-4.428	0	.832
2	M51B	Y	-4.428	-7.042	.832	1.665
3	M51B	Y	-7.042	-8.256	1.665	2.497
4	M51B	Y	-8.256	-6.578	2.497	3.329
5	M51B	Y	-6.578	-3.47	3.329	4.162
6	M52B	Y	-3.463	-6.545	0	.832
7	M52B	Y	-6.545	-8.189	.832	1.665
8	M52B	Y	-8.189	-6.9	1.665	2.497
9	M52B	Y	-6.9	-4.227	2.497	3.329
10	M52B	Y	-4.227	-1.665	3.329	4.162
11	M82	Y	-1.879	-4.428	0	.832
12	M82	Y	-4.428	-7.042	.832	1.665
13	M82	Y	-7.042	-8.256	1.665	2.497
14	M82	Y	-8.256	-6.578	2.497	3.329
15	M82	Y	-6.578	-3.47	3.329	4.162
16	M83A	Y	-3.463	-6.545	0	.832
17	M83A	Y	-6.545	-8.189	.832	1.665
18	M83A	Y	-8.189	-6.9	1.665	2.497
19	M83A	Y	-6.9	-4.227	2.497	3.329
20	M83A	Y	-4.227	-1.665	3.329	4.162
21	M58A	Y	-1.664	-4.227	0	.832
22	M58A	Y	-4.227	-6.899	.832	1.665
23	M58A	Y	-6.899	-8.187	1.665	2.497
24	M58A	Y	-8.187	-6.544	2.497	3.329
25	M58A	Y	-6.544	-3.463	3.329	4.162
26	M59A	Y	-3.462	-6.572	0	.832
27	M59A	Y	-6.572	-8.261	.832	1.665
28	M59A	Y	-8.261	-7.048	1.665	2.497
29	M59A	Y	-7.048	-4.428	2.497	3.329
30	M59A	Y	-4.428	-1.883	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M51B	Y	-3.639	-8.575	0	.832
2	M51B	Y	-8.575	-13.636	.832	1.665
3	M51B	Y	-13.636	-15.989	1.665	2.497
4	M51B	Y	-15.989	-12.738	2.497	3.329
5	M51B	Y	-12.738	-6.719	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	M52B	Y	-6.706	-12.674	0	.832
7	M52B	Y	-12.674	-15.858	.832	1.665
8	M52B	Y	-15.858	-13.362	1.665	2.497
9	M52B	Y	-13.362	-8.185	2.497	3.329
10	M52B	Y	-8.185	-3.225	3.329	4.162
11	M82	Y	-3.639	-8.575	0	.832
12	M82	Y	-8.575	-13.636	.832	1.665
13	M82	Y	-13.636	-15.989	1.665	2.497
14	M82	Y	-15.989	-12.738	2.497	3.329
15	M82	Y	-12.738	-6.719	3.329	4.162
16	M83A	Y	-6.706	-12.674	0	.832
17	M83A	Y	-12.674	-15.858	.832	1.665
18	M83A	Y	-15.858	-13.362	1.665	2.497
19	M83A	Y	-13.362	-8.185	2.497	3.329
20	M83A	Y	-8.185	-3.225	3.329	4.162
21	M58A	Y	-3.221	-8.186	0	.832
22	M58A	Y	-8.186	-13.361	.832	1.665
23	M58A	Y	-13.361	-15.855	1.665	2.497
24	M58A	Y	-15.855	-12.673	2.497	3.329
25	M58A	Y	-12.673	-6.706	3.329	4.162
26	M59A	Y	-6.705	-12.727	0	.832
27	M59A	Y	-12.727	-15.998	.832	1.665
28	M59A	Y	-15.998	-13.648	1.665	2.497
29	M59A	Y	-13.648	-8.574	2.497	3.329
30	M59A	Y	-8.574	-3.646	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N7	N87B	N87C	N6	Y	Two Way	-.005
2	N118	N141	N139	N117	Y	Two Way	-.005
3	N90	N113	N111	N89	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N7	N87B	N87C	N6	Y	Two Way	-.01
2	N118	N141	N139	N117	Y	Two Way	-.01
3	N90	N113	N111	N89	Y	Two Way	-.01

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	1345.889	10	1127.037	19	8077.906	1	1.097	22	1.719	4	.288	10
2		min	-1347.501	4	131.285	1	-5174.566	7	.368	27	-1.709	10	-.147	4
3	N87D	max	6905.855	9	858.401	15	2495.665	3	.305	7	1.447	12	-.058	11
4		min	-4409.272	3	113.386	9	-3939.558	9	-.741	37	-1.438	6	-.99	17
5	N115	max	4245.905	11	863.092	23	2512.052	11	.261	8	1.509	8	.806	21
6		min	-6736.731	5	122.537	5	-3949.076	5	-1.065	26	-1.498	2	.065	3
7	N188	max	34.689	10	2571.611	1	2217.031	7	0	51	0	4	.002	10
8		min	-34.587	4	-1042.383	7	-5331.613	1	0	1	0	10	-.002	4
9	N190	max	1922.767	3	2563.542	9	2658.266	9	.002	6	0	12	0	12
10		min	-4602.145	9	-1043.791	3	-1109.602	3	-.001	12	0	6	-.001	6
11	N192	max	4534.68	5	2525.951	5	2617.343	5	.002	8	0	8	0	8
12		min	-1861.3	11	-1010.051	11	-1074.934	11	-.002	2	-.001	2	-.001	2
13	Totals:	max	5840.498	10	7379.096	15	5646.965	1						

Envelope Joint Reactions (Continued)

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
14		min	-5840.502	4	3545.223	9	-5646.977	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [l...	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M1	PIPE_3.0	.274	5.339	4	.113	4.948		1	28250.554	65205	5.749	5.749	1....	H1-1b
2	M4	HSS4X4X4	.146	0	10	.089	1.189	z	10	124657.7...	139518	16.181	16.181	2....	H1-1b
3	M10	HSS4X4X4	.109	2.375	14	.053	.223	z	1	136263.03	139518	16.181	16.181	1....	H1-1b
4	MP1A	PIPE_2.0	.466	6.583	4	.221	1.583		7	14916.096	32130	1.872	1.872	1....	H1-1b
5	M43	HSS4X4X4	.107	0	24	.033	2.152	z	1	136263.03	139518	16.181	16.181	1....	H1-1b
6	M46	PL1/2x6	.208	.516	1	.139	.516	y	10	66009.234	97200	1.012	12.15	1....	H1-1b
7	M51B	L2x2x4	.138	0	2	.009	0	y	17	12728.563	30585.6	.691	1.471	1....	H2-1
8	M52B	L2x2x4	.124	4.162	12	.011	4.162	y	21	12728.563	30585.6	.691	1.472	1....	H2-1
9	M76	PL3/8x6	.284	0	10	.279	0	y	6	70647.064	72900	.57	9.113	1....	H1-1b
10	M77	PL3/8x6	.291	.167	8	.200	0	y	24	71583.569	72900	.57	9.113	1....	H1-1b
11	M80	PL1/2x6	.068	.112	1	.217	0	y	12	96757.507	97200	1.012	12.15	1....	H1-1b
12	M84	PL3/8x6	.285	0	10	.141	0	y	17	70647.064	72900	.57	9.113	1....	H1-1b
13	M85	PL3/8x6	.252	.167	7	.185	0	y	14	71583.569	72900	.57	9.113	1....	H1-1b
14	M91	PL1/2x6	.070	.112	7	.216	0	y	2	96757.507	97200	1.012	12.15	2....	H1-1b
15	M52A	HSS4X4X4	.146	4.161	9	.074	0	z	6	124657.7...	139518	16.181	16.181	1....	H1-1b
16	M53	HSS4X4X4	.117	2.375	10	.056	.223	z	9	136263.03	139518	16.181	16.181	1....	H1-1b
17	M54	HSS4X4X4	.110	0	20	.035	2.152	z	9	136263.03	139518	16.181	16.181	1....	H1-1b
18	M55	PL1/2x6	.216	.516	9	.139	.516	y	6	66009.234	97200	1.012	12.15	1....	H1-1b
19	M58A	L2x2x4	.140	0	10	.009	0	y	13	12728.563	30585.6	.691	1.472	1....	H2-1
20	M59A	L2x2x4	.126	4.162	8	.011	4.162	y	17	12728.563	30585.6	.691	1.471	1....	H2-1
21	M63	PL3/8x6	.268	0	6	.294	0	y	2	70647.064	72900	.57	9.113	1....	H1-1b
22	M64	PL3/8x6	.304	.167	3	.203	0	y	21	71583.569	72900	.57	9.113	1....	H1-1b
23	M66	PL1/2x6	.070	.112	9	.221	0	y	8	96757.507	97200	1.012	12.15	1....	H1-1b
24	M68	PL3/8x6	.276	0	6	.146	0	y	28	70647.064	72900	.57	9.113	1....	H1-1b
25	M69	PL3/8x6	.262	.167	3	.187	0	y	22	71583.569	72900	.57	9.113	1....	H1-1b
26	M71	PL1/2x6	.073	.112	3	.217	0	y	10	96757.507	97200	1.012	12.15	2....	H1-1b
27	M76A	HSS4X4X4	.143	4.161	5	.075	0	z	2	124657.7...	139518	16.181	16.181	1....	H1-1b
28	M77A	HSS4X4X4	.112	2.375	6	.055	.223	z	5	136263.03	139518	16.181	16.181	1....	H1-1b
29	M78	HSS4X4X4	.111	0	16	.035	2.152	z	5	136263.03	139518	16.181	16.181	1....	H1-1b
30	M79A	PL1/2x6	.214	.516	5	.142	.516	y	2	66009.234	97200	1.012	12.15	1....	H1-1b
31	M82	L2x2x4	.137	0	6	.009	0	y	21	12728.563	30585.6	.691	1.471	1....	H2-1
32	M83A	L2x2x4	.127	4.162	4	.011	4.162	y	13	12728.563	30585.6	.691	1.472	1....	H2-1
33	M87	PL3/8x6	.282	0	2	.293	0	y	10	70647.064	72900	.57	9.113	1....	H1-1b
34	M88A	PL3/8x6	.294	.167	11	.221	0	y	28	71583.569	72900	.57	9.113	1....	H1-1b
35	M90	PL1/2x6	.069	.112	5	.221	0	y	4	96757.507	97200	1.012	12.15	1....	H1-1b
36	M92A	PL3/8x6	.281	0	2	.143	0	y	36	70647.064	72900	.57	9.113	1....	H1-1b
37	M93	PL3/8x6	.259	.167	11	.189	0	y	17	71583.569	72900	.57	9.113	1....	H1-1b
38	M95	PL1/2x6	.072	.112	11	.213	0	y	6	96757.507	97200	1.012	12.15	2....	H1-1b
39	M82A	PIPE_3.0	.266	5.339	12	.114	4.948		9	28250.554	65205	5.749	5.749	1....	H1-1b
40	M91B	PIPE_3.0	.272	5.339	8	.115	4.948		10	28250.554	65205	5.749	5.749	1....	H1-1b
41	M100	PIPE_2.0	.457	5.339	7	.182	1.432		6	6295.422	32130	1.872	1.872	1....	H1-1b
42	M105	PIPE_2.0	.458	5.339	3	.185	1.432		2	6295.422	32130	1.872	1.872	1....	H1-1b
43	M109	PIPE_2.0	.468	5.339	10	.188	1.432		10	6295.422	32130	1.872	1.872	1....	H1-1b
44	M86A	L2.5x2.5x4	.582	1.178	7	.113	0	y	2	36847.767	38556	1.114	2.537	1....	H2-1
45	M99A	L2.5x2.5x4	.582	1.178	3	.112	0	y	10	36847.767	38556	1.114	2.537	1....	H2-1
46	M105A	L2.5x2.5x4	.585	1.178	10	.111	0	y	6	36847.767	38556	1.114	2.537	1....	H2-1
47	MP2A	PIPE_3.0	.440	6.562	4	.147	6.562		5	50160.801	65205	5.749	5.749	2....	H1-1b
48	MP3A	PIPE_2.0	.498	6.583	10	.182	6.583		8	14916.096	32130	1.872	1.872	1....	H1-1b
49	MP4A	PIPE_2.0	.391	6.583	10	.197	1.583		7	14916.096	32130	1.872	1.872	1....	H1-1b
50	MP1C	PIPE_2.0	.455	6.583	12	.223	1.583		3	14916.096	32130	1.872	1.872	1....	H1-1b
51	MP3C	PIPE_2.0	.486	6.583	6	.183	6.583		4	14916.096	32130	1.872	1.872	1....	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [l...	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
52	MP4C	PIPE_2.0	.382	6.583	6	.199	1.583		3	14916.096	32130	1.872	1.872	1....	H1-1b
53	MP1B	PIPE_2.0	.464	6.583	9	.222	6.583		11	14916.096	32130	1.872	1.872	1....	H1-1b
54	MP3B	PIPE_2.0	.495	6.583	2	.177	6.583		12	14916.096	32130	1.872	1.872	1....	H1-1b
55	MP4B	PIPE_2.0	.388	6.583	2	.196	1.583		10	14916.096	32130	1.872	1.872	1....	H1-1b
56	M126	LL2.5x2.5x4x3	.102	4.641	1	.007	4.641	z	10	58189.531	77112	5.321	3.332	1	H1-1b*
57	M127A	LL2.5x2.5x4x3	.101	4.641	9	.007	0	z	6	58189.531	77112	5.321	3.332	1	H1-1b*
58	M128A	LL2.5x2.5x4x3	.100	4.641	5	.007	0	z	2	58189.531	77112	5.321	3.332	1	H1-1b*
59	M131A	PIPE_2.0	.153	4.479	11	.014	4.479		11	23808.54	32130	1.872	1.872	2....	H1-1b
60	M132	PIPE_2.0	.153	4.479	11	.014	4.479		11	23808.54	32130	1.872	1.872	2....	H1-1b
61	MP2C	PIPE_3.0	.428	6.562	12	.147	6.562		1	50160.801	65205	5.749	5.749	2....	H1-1b
62	MP2B	PIPE_3.0	.437	6.562	8	.147	6.562		9	50160.801	65205	5.749	5.749	2....	H1-1b

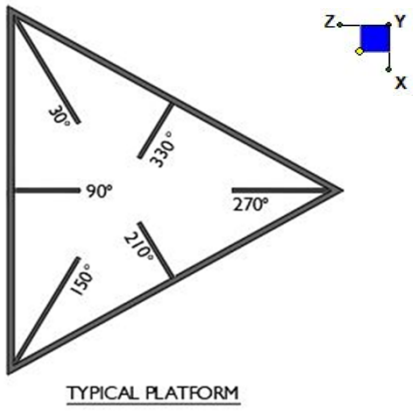
Client:	Verizon Wireless	Date:	3/10/2021
Site Name:	BROOKFIELD SOUTH CT		
Project No.	20777357A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check (Kicker)

RISA Model Data

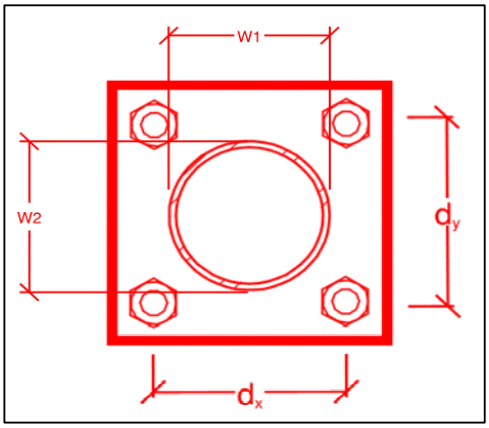
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N188	270
N192	150
N190	30



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	6
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	6
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	5.3
Required Shear Strength (kips):	2.6
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**6.4%***
Shear Capacity Overall:	**5.2%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	8
Plate Height (in):	8
W1 (in):	8
W2 (in):	0.5
Fy (ksi, plate):	36
t_{Plate} (in):	0.875
Weld Size (1/16 in):	3
Phi*Rn (kip/in):	4.18
Required Weld Strength (kip/in):	0.35
Plate Bending Capacity:	**9.8%**
Weld Capacity:	**8.3%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	4.9
Phi*Mn_{xx} *(kip-in)* :	49.6
Mu_{yy} *(kip-in)* :	0.0
Phi*Mn_{yy} *(kip-in)* :	49.6

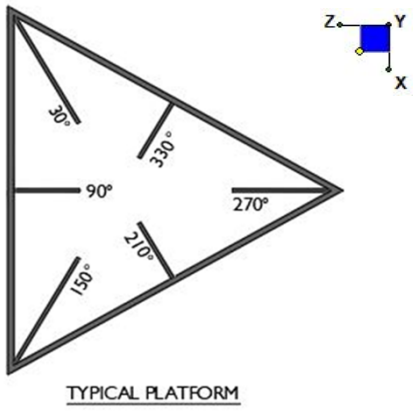
Client:	Verizon Wireless	Date:	3/10/2021
Site Name:	BROOKFIELD SOUTH CT		
Project No.	20777357A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

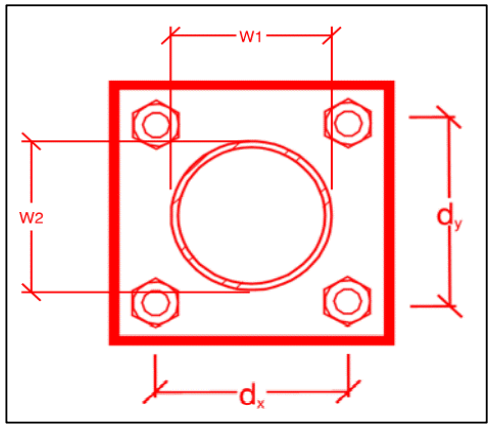
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N87D	30
N115	150
N3	270



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	6
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	6
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	10.1
Required Shear Strength (kips):	3.8
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**12.1%***
Shear Capacity Overall:	**7.6%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	8
Plate Height (in):	8
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.875
Weld Size (1/16 in):	3
Phi*Rn (kip/in):	4.18
Required Weld Strength (kip/in):	1.11
Plate Bending Capacity:	**11.4%**
Weld Capacity:	**26.7%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	1.6
Phi*Mn_{xx} *(kip-in)* :	49.6
Mu_{yy} *(kip-in)* :	4.0
Phi*Mn_{yy} *(kip-in)* :	49.6

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the passing MA
- Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded to ***https://pmi.vzwsmart.com*** as depicted on the drawings

Photo Requirements:

- *Base and "During Installation Photos"*
  - Base pictures include
    - Photo of Gate Signs showing the tower owner, site name, and number
    - Photo of carrier shelter showing the carrier site name and number if available
    - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
  - "During Installation Photos if provided - must be placed only in this folder
- *Photos taken at ground level*
  - Overall tower structure before and after installation of the equipment modifications
  - Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed
- *Photos taken at Mount Elevation*
  - Photos showing each individual sector before and also after installation of equipment.
    - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis

- Photos showing the safety climb wire rope above and below the mount prior to modification.
- Photos showing the climbing facility and safety climb if present.

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Remove and replace antenna in position 2 with a proposed 7' long P3.0 STD pipe. Place the proposed at 4' away from existing pipe in position 1. Proposed pipe shall attach to the platform via crossover plates (Site Pro 1 Part #: SCX3-K and SCX43-K, or EOR approved equal).

Response:

Schedule A – Photo & Document File Structure

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

Structure: 467677-VZW - Brookfield South CT

Sector: **A**

Structure Type: Monopole

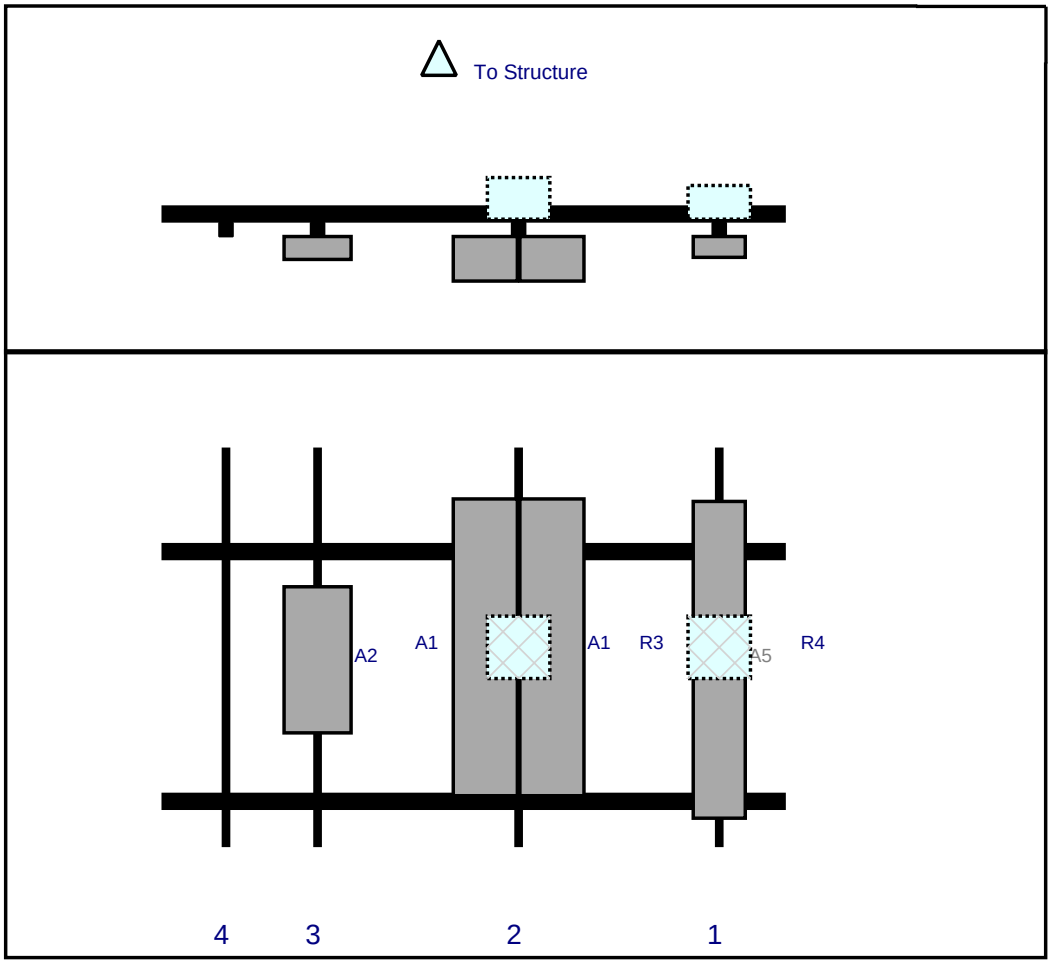
Mount Elev: 143.00

3/10/2021

MASER CONSULTING — CONNECTICUT —

Plan View

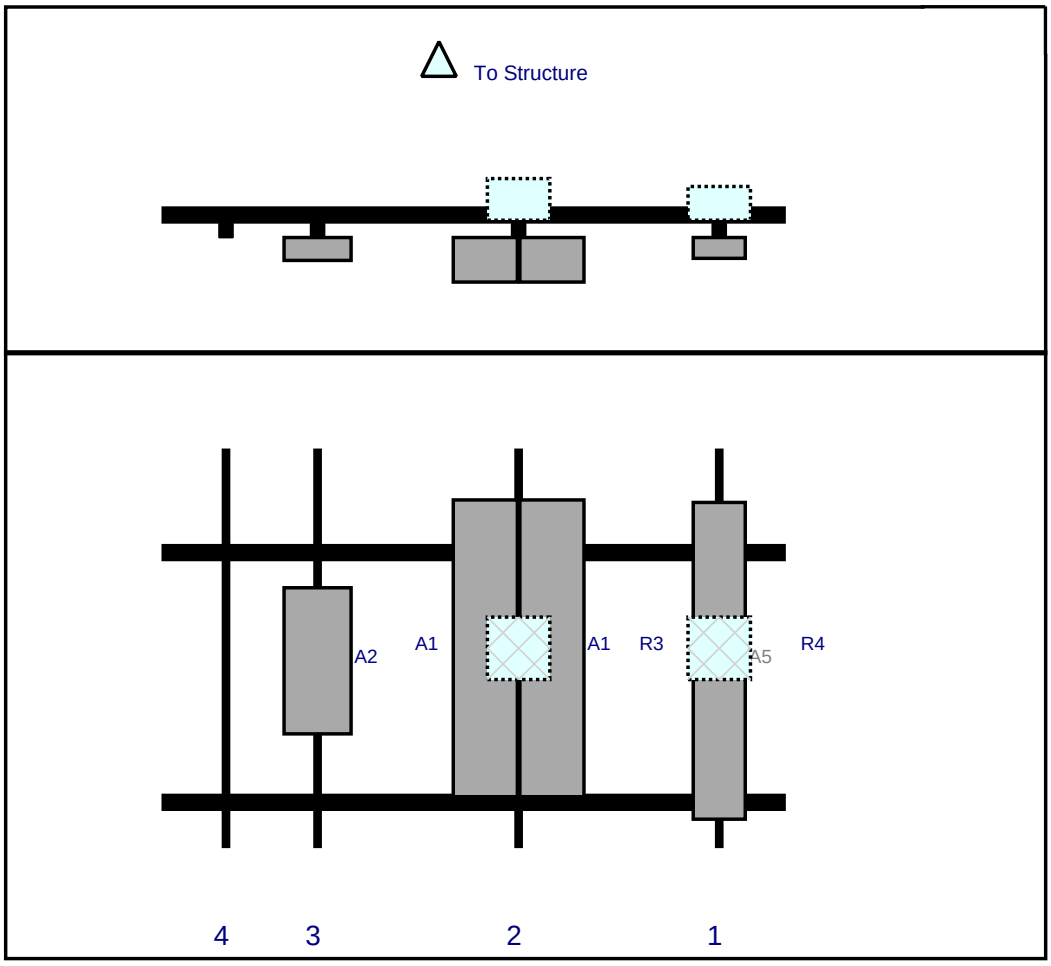
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	80010735V01	76.1	12.5	134	1	a	Front	51	0	Retained	11/16/2020
R4	B5/B13 RRH-BR04C	15	15	134	1	a	Behind	48	0	Added	
A1	MX06FRO660-03	71.3	15.4	85.8	2	a	Front	48	8	Added	
A1	MX06FRO660-03	71.3	15.4	85.8	2	b	Front	48	-8	Added	
R3	B2/B66A RRH-BR049	15	15	85.8	2	a	Behind	48	0	Added	
A2	VZS01	35.1	16.1	37.5	3	a	Front	51	0	Added	

Plan View

Front View
Looking at Structure

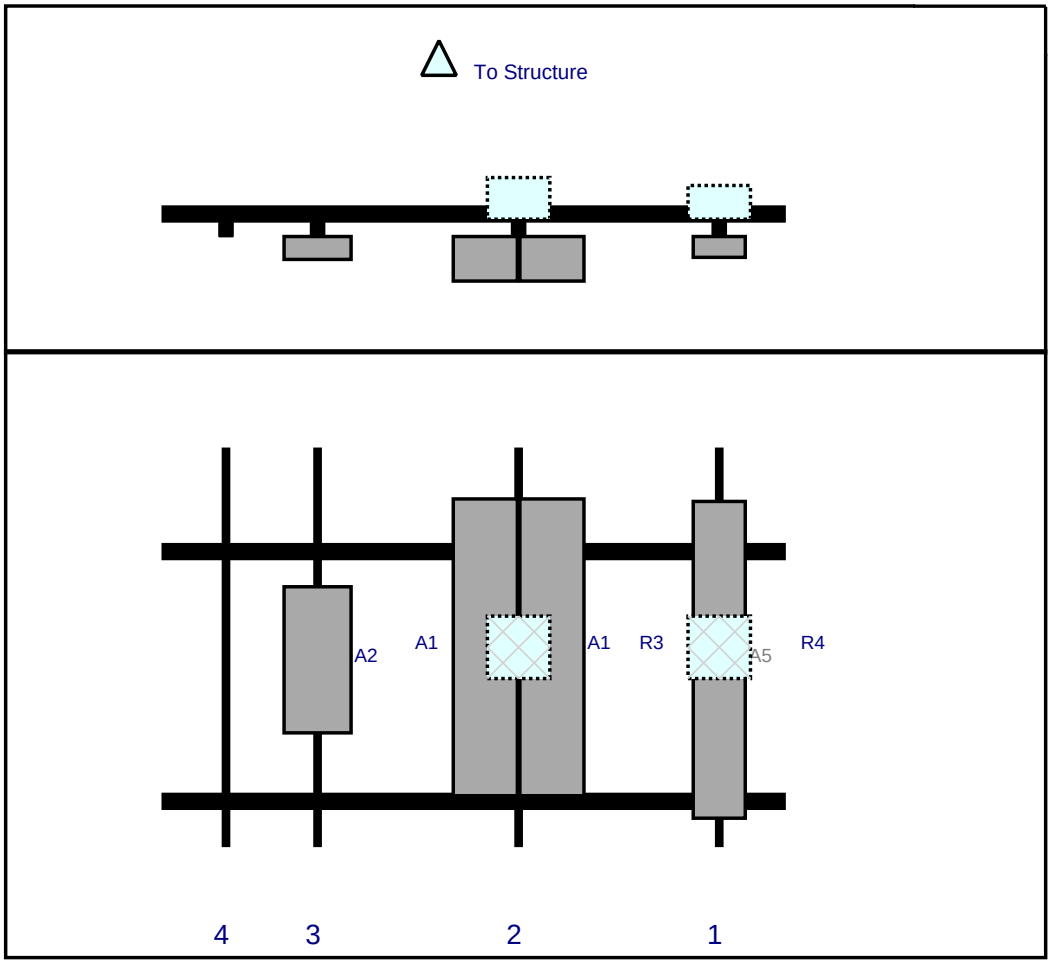


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	80010735V01	76.1	12.5	134	1	a	Front	51	0	Retained	11/16/2020
R4	B5/B13 RRH-BR04C	15	15	134	1	a	Behind	48	0	Added	
A1	MX06FRO660-03	71.3	15.4	85.8	2	a	Front	48	8	Added	
A1	MX06FRO660-03	71.3	15.4	85.8	2	b	Front	48	-8	Added	
R3	B2/B66A RRH-BR049	15	15	85.8	2	a	Behind	48	0	Added	
A2	VZS01	35.1	16.1	37.5	3	a	Front	51	0	Added	

MASER CONSULTING — CONNECTICUT —

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	80010735V01	76.1	12.5	134	1	a	Front	51	0	Retained	11/16/2020
R4	B5/B13 RRH-BR04C	15	15	134	1	a	Behind	48	0	Added	
A1	MX06FRO660-03	71.3	15.4	85.8	2	a	Front	48	8	Added	
A1	MX06FRO660-03	71.3	15.4	85.8	2	b	Front	48	-8	Added	
R3	B2/B66A RRH-BR049	15	15	85.8	2	a	Behind	48	0	Added	
A2	VZS01	35.1	16.1	37.5	3	a	Front	51	0	Added	

Maser Consulting Connecticut

Subject	TIA-222-H Usage
Site Information	Site ID: 467677-VZW / BROOKFIELD SOUTH CT Site Name: BROOKFIELD SOUTH CT Carrier Name: Verizon Wireless Address: 100 Pocono Road Brookfield, Connecticut 06804 Fairfield County Latitude: 41.46295000° Longitude: -73.39827222°
Structure Information	Tower Type: 150-Ft Monopole Mount Type: 12.50-Ft Platform

To Whom It May Concern,

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

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

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

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

Sincerely,

Dejian Xu

Dejian Xu, PE
Technical Specialist

MASER CONSULTING
— CONNECTICUT—

331 Newman Springs Road, Suite 203
Red Bank, NJ 07701
T: 732.383.1950
www.maserconsulting.com

March 29, 2021

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

Re: Verizon Wireless antenna Model Clarification for CT Siting Council

Dear Mr. Leone,

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

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

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

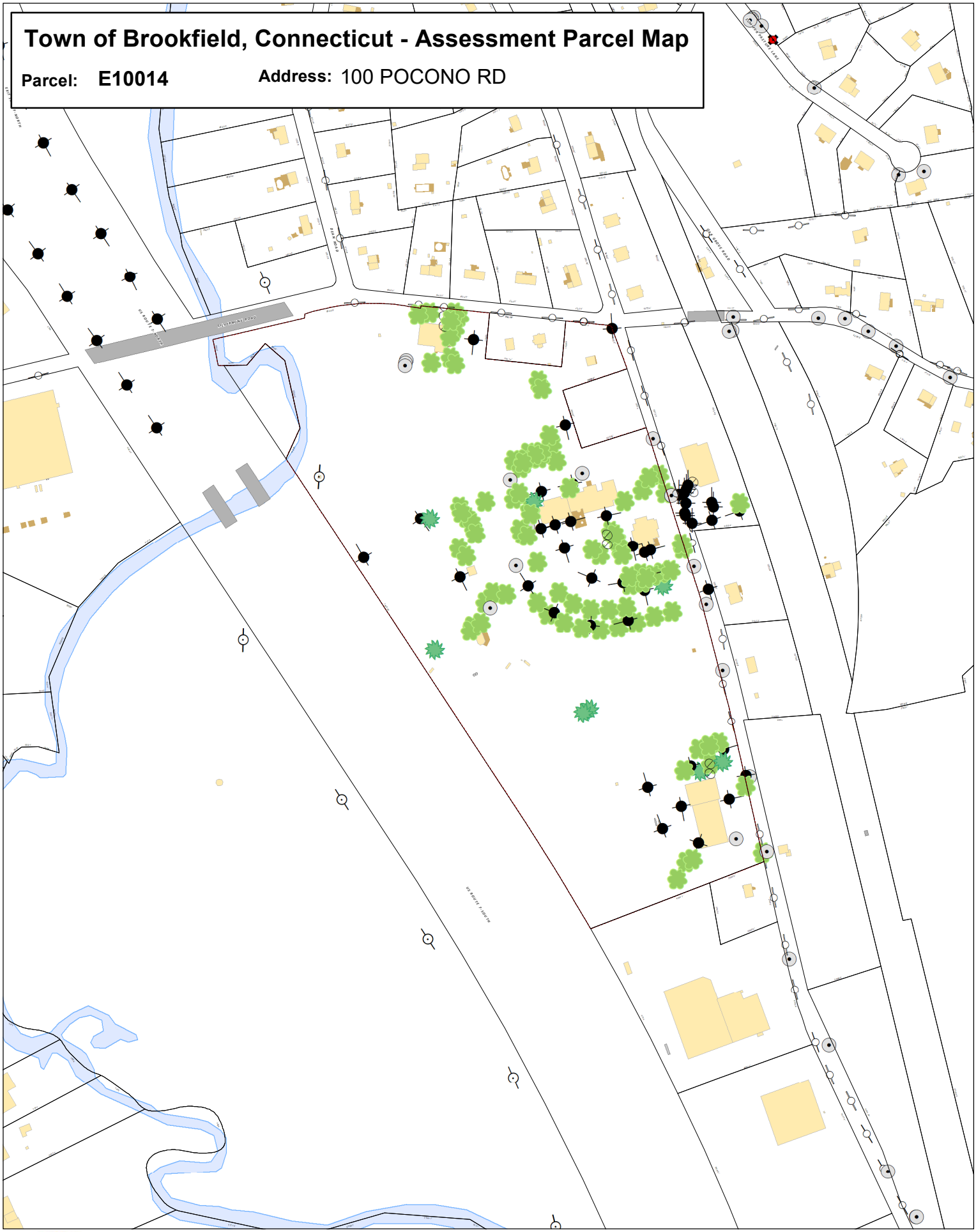
Very truly yours,
MASER CONSULTING CONNECTICUT

Petros Toukalas
Connecticut Professional Engineer
License Number: 32577

ATTACHMENT 5

Town of Brookfield, Connecticut - Assessment Parcel Map

Parcel: **E10014** **Address:** 100 POCONO RD



Approximate Scale:
1 inch = 400 feet

Map Produced May 2021

Town of Brookfield, CT

Property Listing Report

Map Block Lot	E10014	Building #	1	Section #	1	Account	72100000

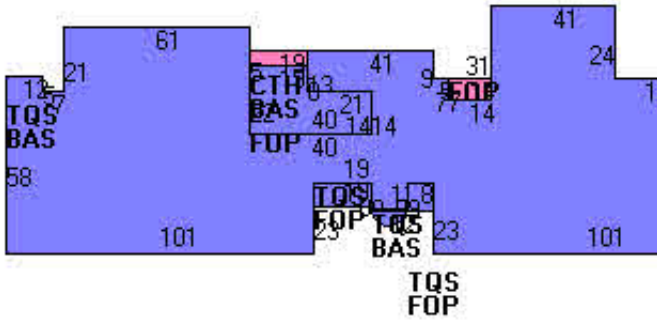
Property Information

Property Location	100 POCONO RD
Owner	BROOKFIELD TOWN OF
Co-Owner	na
Mailing Address	PO BOX 5106 BROOKFIELD CT 06804
Land Use	930 Town Hall
Land Class	E
Zoning Code	IRC
Census Tract	205200020200

Street Index	
Acreage	45.15
Utilities	Well,Septic
Lot Setting/Desc	UNKNOWN Level
Additional Info	

Photo

Sketch



Primary Construction Details

Year Built	1982	Bedrooms	0	Exterior Walls	Brick/Masonry
Stories	1.75	Full Bathrooms	0	Exterior Walls 2	NA
Building Style	Town Hall	Half Bathrooms	0	Interior Walls	Drywall/Sheetr
Building Use	Comm/Ind	Extra Fixtures	0	Interior Walls 2	NA
Building Condition	A	Bath Style	NA	Heating Type	Forced Air
Interior Floors 1	Carpet	Kitchen Style	NA	Heating Fuel	Oil
Interior Floors 2	Ceram Clay Til	Roof Style	Hip	Sq. Ft. Basement	
Total Rooms		Roof Cover	Asphalt Shingl	Fin BSMT Quality	
Basement Garages	0	AC Type	Heat Pump	Extra Kitchens	
Occupancy	1.00	Fireplaces	0		
Building Grade					

Report Created On 6/24/2021

Town of Brookfield, CT

Property Listing Report | Map Block Lot **E10014** | Building # **1** | Section # **1** | Account **72100000**

Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	9389880	6572920
Extras	30000	21000
Improvements		
Outbuildings	541240	378870
Land	6629400	4640580
Total	16590520	11613370

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	17181	17181
Cathedral	712	0
Porch, Open	487	0
Three Quarter Story	16728	12546
Total Area	35108	29727

Outbuilding and Extra Features

Type	Description
Light 1	4 Units
Patio	364 S.F.
Paving Asph.	48000 S.F.
Light 1	4 Units
Light 2	2 Units
Generator	1 Units
Cell Tower	1 Units
Garage w Lft	864 S.F.
Paving Asph.	72000 S.F.
Light 2	3 Units

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
BROOKFIELD TOWN OF	137/1144	1900-01-01	0
BROOKFIELD TOWN OF	784/886	2021-02-23	
BROOKFIELD TOWN OF	786/258	2021-03-15	

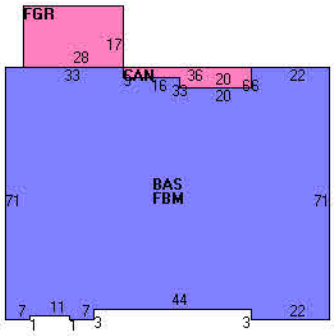
Report Created On **6/24/2021**

Town of Brookfield, CT

Property Listing Report | Map Block Lot E10014 | Building # 2 | Section # 1 | Account 72100000

Photo

Sketch



Primary Construction Details

Year Built	1982	Bedrooms	0	Exterior Walls	Brick/Masonry
Stories	1	Full Bathrooms	0	Exterior Walls 2	NA
Building Style	Police Station	Half Bathrooms	0	Interior Walls	Drywall/Sheetr
Building Use	Ind/Comm	Extra Fixtures	0	Interior Walls 2	NA
Building Condition	A	Bath Style	NA	Heating Type	Hot Water
Interior Floors 1	Vinyl/Asphalt	Kitchen Style	NA	Heating Fuel	Oil
Interior Floors 2	Carpet	Roof Style	Hip	Sq. Ft. Basement	
Total Rooms		Roof Cover	Asphalt Shingl	Fin BSMT Quality	
Basement Garages	0	AC Type	Central	Extra Kitchens	
Occupancy	1.00	Fireplaces	0		
Building Grade					

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	6150	6150
Canopy	168	0
Finished Basement	6150	6150
Garage	476	0

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area	12944	12300

Report Created On

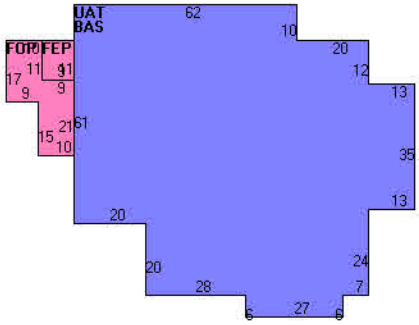
Town of Brookfield, CT

Property Listing Report

Map Block Lot	E10014	Building #	3	Section #	1	Account	72100000

Photo

Sketch



Primary Construction Details

Year Built	2010	Bedrooms	0	Exterior Walls	Brick/Masonry
Stories	1	Full Bathrooms	0	Exterior Walls 2	NA
Building Style	Office Bldg	Half Bathrooms	0	Interior Walls	Drywall/Sheetr
Building Use	Ind/Comm	Extra Fixtures	0	Interior Walls 2	NA
Building Condition	A	Bath Style	NA	Heating Type	Forced Air
Interior Floors 1	Vinyl/Asphalt	Kitchen Style	NA	Heating Fuel	Oil
Interior Floors 2	Carpet	Roof Style	Hip	Sq. Ft. Basement	
Total Rooms		Roof Cover	Asphalt Shingl	Fin BSMT Quality	
Basement Garages	0	AC Type	Central	Extra Kitchens	
Occupancy	1.00	Fireplaces	0		
Building Grade					

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	6659	6659
Enclosed Porch	99	0
Porch, Open	374	0
Unfinished Attic	6659	0

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area	13791	6659

Report Created On

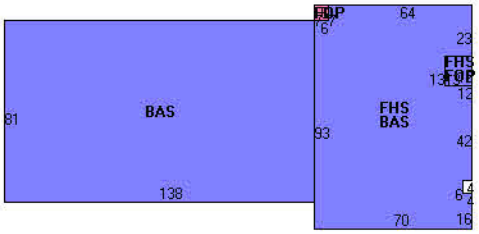
Town of Brookfield, CT

Property Listing Report

Map Block Lot	E10014	Building #	4	Section #	1	Account	72100000

Photo

Sketch



Primary Construction Details

Year Built	1982	Bedrooms	0	Exterior Walls	Brick/Masonry
Stories	1.5	Full Bathrooms	0	Exterior Walls 2	NA
Building Style	Fire Station	Half Bathrooms	0	Interior Walls	Minim/Masonry
Building Use	Ind/Comm	Extra Fixtures	0	Interior Walls 2	NA
Building Condition	A	Bath Style	NA	Heating Type	Forced Air
Interior Floors 1	Concr-Finished	Kitchen Style	NA	Heating Fuel	Gas/Propane
Interior Floors 2	Vinyl/Asphalt	Roof Style	Gambrel	Sq. Ft. Basement	
Total Rooms		Roof Cover	Asphalt Shingl	Fin BSMT Quality	
Basement Garages	0	AC Type	Central	Extra Kitchens	
Occupancy	1.00	Fireplaces	0		
Building Grade					

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	17956	17956
Finished Half Story	6934	3467
Porch, Open	198	0

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area	25088	21423

Report Created On

Town of Brookfield, CT

Property Listing Report | Map Block Lot E10014 | Building # 5 | Section # 1 | Account 72100000

Photo

Sketch

Primary Construction Details

Year Built	1959	Bedrooms	3 Bedrooms	Exterior Walls	Vinyl Siding
Stories	1.5	Full Bathrooms	2	Exterior Walls 2	NA
Building Style	Cape Cod	Half Bathrooms	0	Interior Walls	Plywood Panel
Building Use	Residential	Extra Fixtures	2	Interior Walls 2	Plaster
Building Condition	G	Bath Style	Average	Heating Type	Hot Water
Interior Floors 1	Hardwood	Kitchen Style	Average	Heating Fuel	Oil
Interior Floors 2	NA	Roof Style	Gable	Sq. Ft. Basement	
Total Rooms	6	Roof Cover	Asphalt Shingl	Fin BSMT Quality	
Basement Garages	0	AC Type	Unit/AC	Extra Kitchens	
Occupancy	1.00	Fireplaces	0		
Building Grade	C				

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	1008	1008
Basement	1008	0
Enclosed Porch	168	0
Finished Half Story	1008	655
Porch, Open	35	0
Patio - Concrete	35	0

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area	3262	1663

Report Created On

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

BROOKFIELD SOUTH

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here ***Postmark with Date of Receipt.***
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	2	2	neopost 06/24/2021 US POSTAGE $002.89² ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Stephen C. Dunn, First Selectman Town of Brookfield 100 Pocono Road Brookfield, CT 06804				
2.	Alice Dew, Land Use Director Town of Brookfield 100 Pocono Road Brookfield, CT 06804				
3.					
4.					
5.					
6.					

OLD STATE HOUSE STATION 06103
JUN 24 2021
USPS