Robinson+Cole

KENNETH C. BALDWIN

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Hartford, CT 06103-3597
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Also admitted in Massachusetts
and New York

September 20, 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**
500 Highland Avenue (a/k/a 490 Highland Avenue), Cheshire, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility located at the Cheshire Police Station at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. The tower was approved by the Town of Cheshire ("Town") in November 1984. Cellco's use of the tower was approved by the Council in June 2005 (EM-VER-025-050617). A copy of the Town's tower approval and EM-VER-025-050617 approval are included in Attachment 1.

Cellco now intends to modify its facility by replacing nine (9) existing antennas with three (3) Samsung MT6407-77A antennas and six (6) JAHH-65B-R3B antennas on its existing mounting platform. Cellco also intends to replace nine (9) existing remote radio heads ("RRHs") with six (6) new RRHs behind its antennas. A set of project plans showing Cellco's proposed facility modifications and new antennas and RRH specifications are included in Attachment 2.

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

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

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

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

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

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

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

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

A copy of the parcel map and Property owner information is included in Attachment 5. A Certificate of Mailing verifying that this filing was sent to municipal officials 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:
Sean Kimball, Town Manager for the Town of Cheshire
William Voelker, Cheshire Town Planner
Karla Hanna

ATTACHMENT 1

ZONING PERMIT

PLANNING AND ZONING COMMISSION

NO. 11985 DATE Nov. 14, 1984

PERMISSION TO:

(BUILD) (REPAIR) (MAKE ALTERATIONS TO) (BUILD ON ADDITION TO)

A _____ FAMILY DWELLING, OR OTHER _____

ERECT TOWER.

DESCRIPTION OF PREMISES: ZONE R-2 VALUE $ 13,000.—

TO ERECT 140' HIGH COMMUNICATION TOWER FOR POLICE RADIO

GRANTED:

John A. Prestosky

APPLICANT: I hereby certify that the information contained herein is accurate.

George R. Merriam by H. S. Edwards
Signature of Applicant

George R. Merriam, Chief of Police
Name of Applicant (Print)

500 Highland Ave, Cheshire, CT
Address

272-5333
Telephone No.

****

THIS APPROVAL IS SUBJECT TO COMPLIANCE (PRIOR TO OCCUPANCY) WITH THE PROVISIONS OF THE ZONING REGULATIONS AND THE SUBDIVISION REGULATIONS (WHERE APPLICABLE) OF THE TOWN OF CHESHIRE AND AS AUTHORIZED UNDER 8-3f OF THE CONNECTICUT GENERAL STATUTES, AS AMENDED.

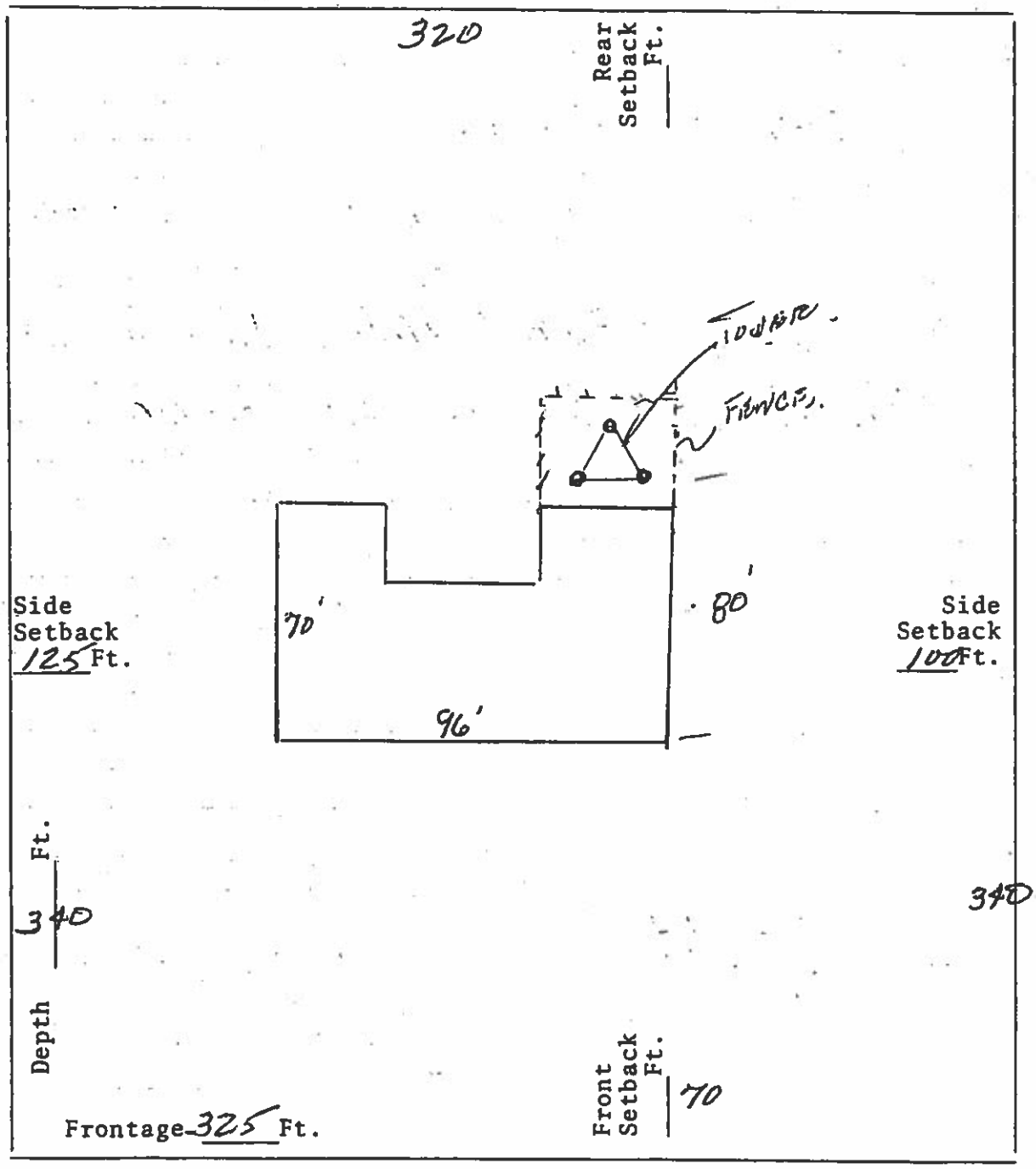
A $5.00 Fee has been paid by the applicant.

PLOT PLAN

LOCATION: N S E W SIDE OF HIGHLAND ~~STREET/ROAD~~/AVENUE

HOUSE NO. 500 LOT NO. ____ OWNER OF LAND TOWN OF CHESHIRE

INTERIOR ~~OR CORNER LOT~~ ____ ZONE R-2



MARK NORTH POINT

INFORMATION SUPPLIED BY:

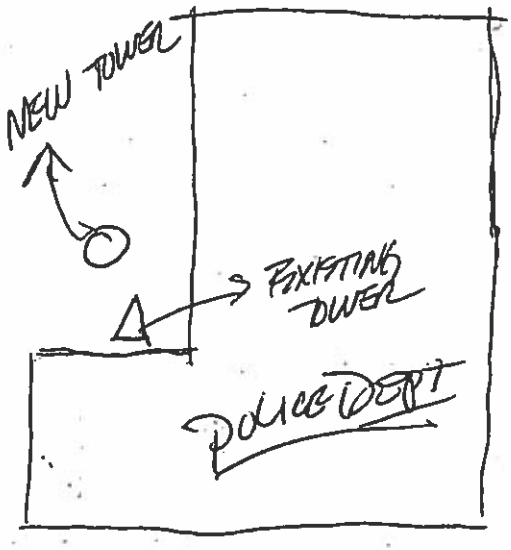
NAME

HOUSE NO. 500 Highland Ave STREET

LOT NO. 2 OWNER OF LAND Town of Westport

INTERIOR OR CORNER LOT _____ ZONE R40

Rear Setback ____ Ft.



Side Setback 150 Ft.

Side Setback ____ Ft.

Depth ____ Ft.

Front Setback 100 Ft.

Frontage ____ Ft.

MARK NORTH POINT

INFORMATION SUPPLIED BY:

NAME Highlands-Proj-Mgr. TV2, LLC

TOWN OF CHESHIRE, CONN.

No 11985

Total Estimated Cost $.....

Estimated Cost (structural) $ 13,000.00

BUILDING PERMIT

Fee $ WAIVED

OFFICE COPY OF PERMIT

December 19 84

Permission is hereby granted to Town of Cheshire - Police Dept.

to erect a radio tower building on the ..... side of

500 Highland Avenue

as follows:—Size ..... ft. long, ... ft. wide, ... stories high;

supported on ..... walls to be .....;

roof covered with .....; No. of house-keeping units ..... Distance

from nearest building ..... feet; distance from street line ..... feet; distance from each side of lot line

E. ..... feet; W. ..... feet; S. ..... feet; N. ..... feet.

BUILDING LINE

Owner Town of Cheshire

Footing forms must be inspected before pouring of concrete.
All sewage systems, rough electrical and rough plumbing must be inspected before covered.
Certificate of Occupancy must be obtained before building is occupied.

FOR ADDITIONAL REQUIREMENTS OF THIS PERMIT SEE OTHER SIDE.

TO THE BUILDING DEPARTMENT TOWN OF CHESHIRE, CONN.

John Bozzuto

Building Inspector

Permission must be obtained from the Office of the Town Engineer before Building Material can be placed in the highway. Surface and roof water must not be connected with the sewer.

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

July 21, 2005

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

RE: **EM-VER-025-050617** – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 500 Highland Avenue, Cheshire, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on July 20, 2005, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated June 17, 2005, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

Thank you for your attention and cooperation.

Very truly yours,

Pamela B. Katz, P.E.
Chairman

PBK/jkl

c: The Honorable Thomas Stretton, Council Chairman, Town of Cheshire
Richard A. Pfurr, Town Planner, Town of Cheshire
Michael A. Milone, Town Manager, Town of Cheshire
Cheshire Police Department
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP
Christine Farrell, T-Mobile
Christopher B. Fisher, Esq., Cuddy & Feder LLP

CSC
CONNECTICUT SITING COUNCIL

ATTACHMENT 2

verizon

WIRELESS COMMUNICATIONS FACILITY

CHESHIRE NE CT
500 HIGHLAND AVE.
CHESHIRE, CT 06410

DRAWING INDEX

SITE DIRECTIONS

START: 20 ALEXANDER DRIVE
WALLINGFORD, CONNECTICUT 06492

END: 500 HIGHLAND AVE.
CHESHIRE, CT 06410

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	4.4 MI
7.	TURN LEFT ONTO CT-68W/ CT-70 W	1.4 MI
8.	CONTINUE STRAIGHT ONTO HIGHLAND AVE. (DESTINATION WILL BE ON THE RIGHT)	0.7 MI

LOCATION MAP
SCALE: 1" = 2000'-0"

SITE INFORMATION

VZ SITE NAME: CHESHIRE NE CT
VZ PROJ FUZE I.D.: 16244732
VZ LOCATION CODE: 468599
VZ PROJECT CODE: 20212223054
LOCATION: 500 HIGHLAND AVE.
CHESHIRE, CT 06410

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

MAP/BLOCK/LOT: 51/----/2

ZONING DISTRICT: R-20A (SINGLE FAMILY RESIDENTIAL)

LATITUDE: 41° 30' 40.2984" N (41.5111940° N) SITE COORDINATES & GROUND ELEVATION OBTAINED FROM GOOGLE EARTH.

LONGITUDE: 72° 53' 54.4488" W (72.898458° W)

GROUND ELEVATION: 206'± AMSL

PROPERTY OWNER: CHESHIRE POLICE STATION
490 HIGHLAND AVE.
CHESHIRE, CT 06410

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 CORPORATION, P.C.
567 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385
(860) 663-1697

VERIZON SMART TOOL PROJECT # 10046625; 10065188

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	04/07/21	FOR REVIEW: JRM
1	06/14/21	FOR REVIEW: JRM
2	08/24/21	FOR FILING: JRM
3	09/03/21	FOR FILING: JRM
4	09/15/21	FOR FILING: JRM
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: CHESHIRE POLICE STATION, 490 HIGHLAND AVE.
ADDRESS: CHESHIRE, CT 06410

CHESHIRE NE CT

SITE ADDRESS: 500 HIGHLAND AVE. CHESHIRE, CT 06410

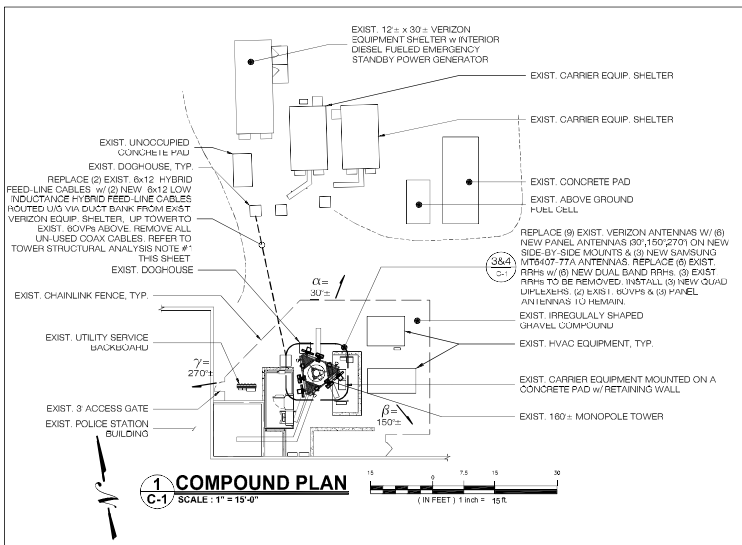
APT FILING NUMBER: CT141_12100

DRAWN BY: DRA
DATE: 04/07/21
CHECKED BY: JRM

VZ PROJECT CODE: 20212223054
VZ LOCATION CODE: 468599
VZ FUZE ID: 16244732

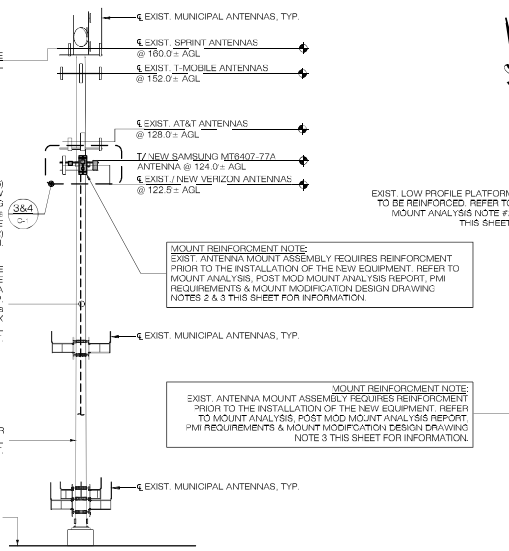
SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1



1 COMPOUND PLAN
C-1 SCALE : 1" = 15'-0"

(IN FEET) 1 inch = 15ft.

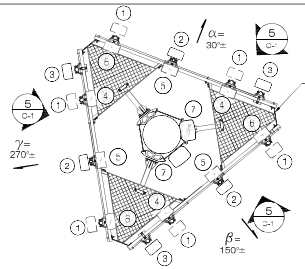


2 TOWER ELEVATION
C-1 SCALE : 1" = 20'-0"

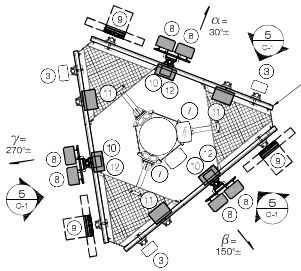
(IN FEET) 1 inch = 20 ft.

GENERAL ABBREVIATION LIST:

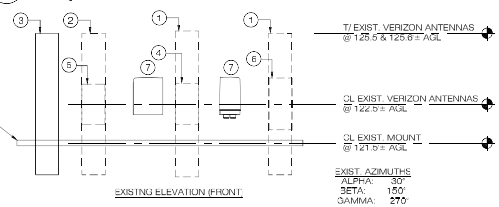
ABP	ABOVE BASE PLATE
AGL	ABOVE GROUND LEVEL
AMSL	ABOVE MEAN SEA LEVEL
AWS	ADVANCED WIRELESS SERVICE
HDG	HOT DIP GALVANIZED
OVP	OVER VOLTAGE PROTECTION
RRH	REMOTE RADIO HEAD
V.I.F.	VERIFY IN FIELD
W.P.	WORK POINT
A.F.R.	ABOVE FINISH ROOF



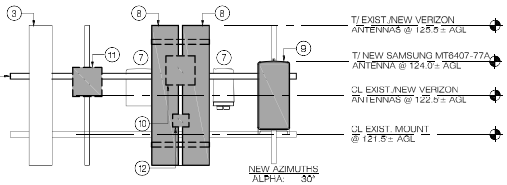
3 EQUIP. CONFIGURATION PLAN (EXIST.)
C-1 SCALE : 3/8" = 1'-0"



4 EQUIP. CONFIGURATION PLAN (NEW)
C-1 SCALE : 3/8" = 1'-0"



5 EQUIP. MOUNTING CONFIG. (EXIST.)
C-1 SCALE : 3/8" = 1'-0"



6 EQUIP. MOUNTING CONFIG. (NEW)
C-1 SCALE : 3/8" = 1'-0"

SCOPE OF WORK (ALL) SECTORS

1. EXIST. ANTENNA (TO BE REPLACED) MODEL: ANDREW SBNHH-1D65B
2. EXIST. ANTENNA (TO BE REPLACED) MODEL: ANDREW HBXX-6517DS-A2M
3. EXIST. ANTENNA (TO REMAIN) MODEL: ANDREW LNX-6514DS-VTM
4. EXIST. RRH (TO BE REPLACED) MODEL: NOKIA B13 4x30W LTE RRH
5. EXIST. RRH (TO BE REPLACED) MODEL: NOKIA B25 4x30W 1900 RRH
6. EXIST. RRH (TO BE REMOVED) MODEL: NOKIA B4 RRH 2x60 AWS RRH
7. EXIST. 6 OVP (TO REMAIN) (ALPHA/BETA) MODEL: RAYCAP RRFDC-3315-PF-48 (V.I.F.)
8. NEW ANTENNA MOUNTED VIA NEW SIDE-BY-SIDE MOUNT BRACKETS (COMMSCOPE) MODEL: COMMSCOPE JAMH-65B-R3E
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)
12. NEW QUAD DIPLEXER MODEL: COMMSCOPE CBC78T-DS-43-2X

NOTES

1. REFER TO TOWER STRUCTURAL ANALYSIS REPORT PREPARED BY QPD ON BEHALF OF SBA SITE MANAGEMENT & VERIZON; QPD PROJECT # 2021778.337762.15, MARKED REV2 DATED 09/15/21 AVAILABLE UNDER SEPARATE COVER.
2. REFER TO MOUNT ANALYSIS REPORT PREPARED BY MASER CONSULTING, P.A., PROJECT #207773331A MARKED REV0, DATED 04/15/21 AVAILABLE UNDER SEPARATE COVER.
3. REFER TO POST MOD MOUNT ANALYSIS REPORT AND PMI REQUIREMENTS & MOUNT MODIFICATION DESIGN DRAWINGS PREPARED MASER CONSULTING, P.A., PROJECT #21777331A MARKED REV0, DATED 06/09/21 AVAILABLE UNDER SEPARATE COVER.
4. BASE MAPPING FROM FIELD MEASUREMENTS TAKEN BY ALL-POINTS TECHNOLOGY CORPORATION, P.C. ON 03/08/21.
5. PROJECT SCOPE INCLUDES THE FOLLOWING:
   - REPLACEMENT OF (9) EXIST. PANEL ANTENNAS w/ (6) NEW PANEL ANTENNAS MOUNTED VIA NEW SIDE-BY-SIDE BRACKETS (COMMSCOPE: SBXMNT-SBS-2-2) & (3) NEW SAMSUNG MT6407-77A ANTENNAS.
   - REPLACEMENT OF (6) EXIST. RRHs w/ (6) NEW DUAL-BAND RRHs.
   - REPLACEMENT OF (2) EXIST. 6x12 HYBRID FEED-LINE CABLES w/ (2) NEW 6x12 LOW INDUCTANCE HYBRID FEED-LINE CABLES.
   - INSTALLATION OF (3) NEW QUAD DIPLEXERS.
   - REMOVAL OF (3) EXIST RRHs .
6. ALL EXPOSED STEEL AND HARDWARE TO BE HOT DIP GALV. (HDG). PAINT TO MATCH EXIST. (WHERE APPLICABLE)
7. CAP & WEATHERPROOF ALL UN-USED CABLE ENTRY PORTS (WHERE APPLICABLE).
8. MOUNT & GROUND ALL NEW EQUIPMENT IN ACCORDANCE WITH NEC (NFPA-70), NESC AND MANUFACTURERS SPECIFICATION.
9. SECURE ALL NEW ANTENNA CABLES PER MANUFACTURER RECOMMENDATIONS.
10. BOND NEW ANTENNA MOUNTING PIPES TO ANTENNA SECTOR GROUND BAR w/ # 2 AWG, BCW, (WHERE APPLICABLE).
11. 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 OTHERWISE, CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD SHOULD EXIST. PIPE MASTS REQUIRE REPLACEMENT TO SUPPORT THE NEW MOUNT BRACKETS
12. ANTENNA CONFIGURATIONS SHOWN HEREIN ARE FRONT ELEVATIONS (UNLESS NOTED OTHERW SE).
13. ANTENNA SPACING DIMENSIONS ARE TO THE CENTER OF THE EXIST. ANTENNA AND NEW ANTENNA FACE.
14. REFER TO THE FINAL RFDS PROVIDED BY VERIZON FOR THE LATEST INFORMATION REGARDING EQUIPMENT MODELS, REQUIRED CABLING & DOWN-TILT INFORMATION.
15. COORDINATE ALL LSUB6 COLOR MATCHING (WHERE APPLICABLE) W/ LSUB6 MANUFACTURER INSTALLATION REQUIREMENTS, VERIZON CONSTRUCTION MANAGER & OWNER.
16. PAINT ALL NEW NON LSUB6 ANTENNAS & APPURTENANCES TO MATCH EXIST. STRUCTURE (WHERE APPLICABLE) COORDINATE W/ VERIZON CONSTRUCTION MANAGER & BUILDING OWNER.

LOCATION PLAN
SCALE: 1" = 200'

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

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6		

STATE OF CONNECTICUT · MICHAEL S. 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: CHESHIRE POLICE STATION, 490 HIGHLAND AVE.
ADDRESS: CHESHIRE, CT 06410

CHESHIRE NE CT

SITE ADDRESS: 500 HIGHLAND AVE. CHESHIRE, CT 06410

APT FILING NUMBER: CT141_12100

DRAWN BY: DRA
DATE: 04/07/21
CHECKED BY: JRM

VZ PROJECT CODE: 20212223054
VZ LOCATION CODE:468599
VZ FUZE ID: 16244732

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

SHEET NUMBER:
C-1

EQUIPMENT DATA

EQUIPMENT SPECIFICATIONS

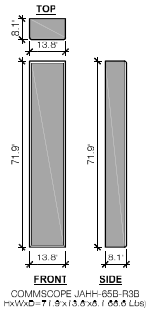
SECTOR	ANTENNA MAKE/MODEL	QTY	AZIMUTH	EQUIPMENT STATUS	HEIGHT (IN)	WIDTH (IN)	DEPTH (IN)	WEIGHT (LBS)
ALPHA	SAMSUNG MT8407-77A	1	30°	NEW	35.1 (3)(5)	16.1 (3)(5)	5.5 (3)(5)	57.1 (2)(3)(5)
	700/850/1900/2100 COMMSCOPE JAHH-65B-R3B	1	30°	NEW	71.5	13.8	8.1	68.6 (3)
	700/850/1900/2100 COMMSCOPE JAHH-65B-R3B	1	30°	NEW	71.9	13.8	8.1	68.6 (3)
	850 ANDREW LNX-6514DS-VTM	1	30°	ETR	80.6	11.9	7.1	32.2 (3)
BETA	SAMSUNG MT8407-77A	1	150°	NEW	35.1 (3)(5)	16.1 (3)(5)	5.5 (3)(5)	57.1 (2)(3)(5)
	700/850/1900/2100 COMMSCOPE JAHH-65B-R3B	1	150°	NEW	71.9	13.8	8.1	68.6 (3)
	700/850/1900/2100 COMMSCOPE JAHH-65B-R3B	1	150°	NEW	71.5	13.8	8.1	68.6 (3)
	850 ANDREW LNX-6514DS-VTM	1	150°	ETR	80.6	11.9	7.1	32.2 (3)
GAMMA	SAMSUNG MT8407-77A	1	270°	NEW	35.1 (3)(5)	16.1 (3)(5)	5.5 (3)(5)	57.1 (2)(3)(5)
	700/850/1900/2100 COMMSCOPE JAHH-65B-R3B	1	270°	NEW	71.5	13.8	8.1	68.6 (3)
	700/850/1900/2100 COMMSCOPE JAHH-65B-R3B	1	270°	NEW	71.9	13.8	8.1	68.6 (3)
	850 ANDREW LNX-6514DS-VTM	1	270°	ETR	80.6	11.9	7.1	32.2 (3)
	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
	COMMSCOPE C8T8T-43-2X QUAD DIPLEXERS	3	-	NEW	6.4	6.9	9.6	20.7

(1) ETR DENOTES EXIST. TO REMAIN
(2) WEIGHT WITHOUT MOUNTING BRACKET.
(3) ANTENNA DATA BASED ON RFDS REV2 DATED 08/08/21
(4) EQUIPMENT CONFIGURATION INDICATED ABOVE VIEWED FROM BEHIND.
(5) NOT TO EXCEED

BILL OF MATERIALS

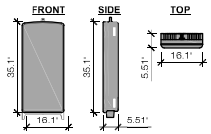
		QUANTITY	LENGTH	COMMENTS
1	700/850/1900/2100	6		(COMMSCOPE JAHH-65B-R3B) MOUNTED TO EXIST. PIPE MAST VIA NEW SBS MOUNT (COMMSCOPE BSAMNT-SBS-2-2)
2	SAMSUNG MT8407-77A	3		MOUNTED ON EXIST. PIPE MAST
3	1/2" JUMPER CABLE	48	15 FT	ROUTE FROM RRH TO ANTENNAS & FROM DIPLEXERS
4	1/2" JUMPER CABLE	12	6 FT	ROUTE FROM RRH TO DIPLEXERS
5	ANTENNA LINK CABLES	6	15 M	ROUTE FROM UPPER OVP TO ANTENNAS
6	ANTENNA POWER CABLES	3	15 M	PROPRIETARY POWER CABLE FROM UPPER OVP TO ANTENNAS
7	QUAD DIPLEXER	3		COMMSCOPE C8CT8T-DS-43-2X
8	AWS/PCS RRH	3		SAMSUNG B2/B66 RRH-BR049 (RFV01L-D1A) MOUNTED TO EXIST. PIPE MAST
9	700/850 RRH	3		SAMSUNG B5/B13 RRH-BR04C (RFV01U-D2A) MOUNTED TO EXIST. PIPE MAST
10	RRH CABLES	6	15M	PROPRIETARY POWER & FIBER CABLES
11	HYBRID CABLE	2	240 ± FT	6x12 LOW INDUCTANCE HYBRID CABLE (1⅝"Ø)

NOTES:
1. INFORMATION SHOWN HEREON IS FOR USE BY VERIZON EQUIPMENT OPERATIONS.
2. INFORMATION IS BASED ON RFDS REV8 DATED 08/08/21
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 MASTS REQUIRE REPLACEMENT TO SUPPORT THE NEW MOUNT BRACKETS.



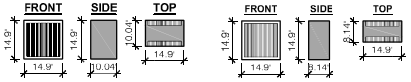
COMMSCOPE JAHH-65B-R3B
HxWxD=71.5"x13.8"x8.1" (68.6 Lbs)

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



SAMSUNG MT8407-77A ANTENNA
HxWxD=35.1"x16.1"x5.51"
WT=57.1 Lbs
(NOT TO EXCEED)

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

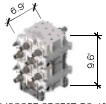


SAMSUNG DUAL HIGH BAND B2/B66A
RRH-BR049 (RFV01U-D1A)
RRH: PCS/AWS
REMOTE RADIO HEAD (RRH)
WxDxH=14.9"x14.9"x10.04" (97.5 Lbs)

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

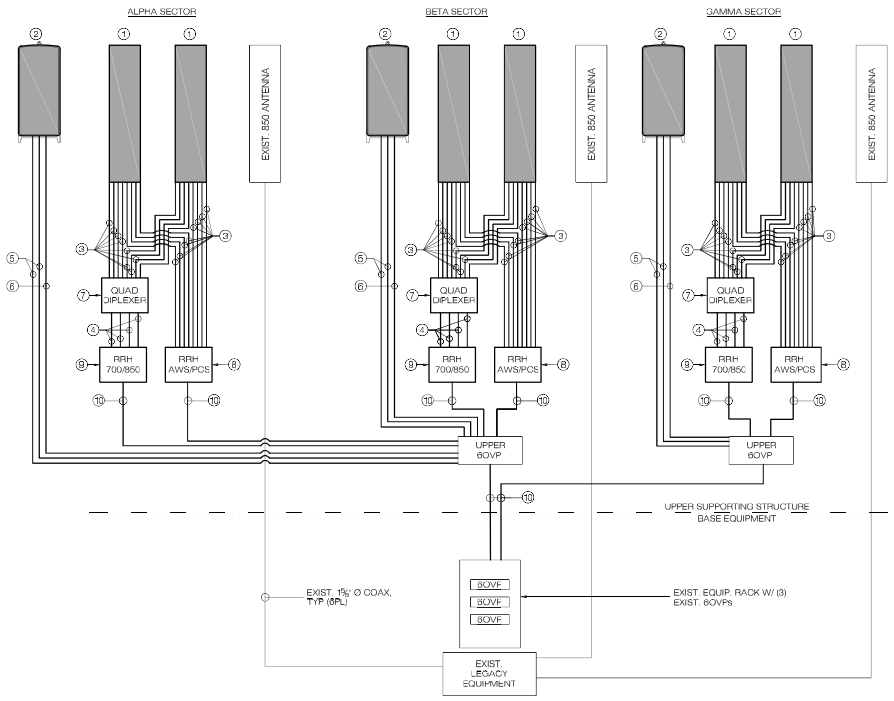
NOTE: WEIGHTS INCLUDE SOLAR SHEILD & MOUNTING BRACKET

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



COMMSCOPE C8CT8T-DS-43-2X
QUAD DIPLEXER
HxWxD=6.4"x6.9"x9.6" (20.7 Lbs)

5 B-1 QUAD DIPLEXER
SCALE: 1" = 1'-0"



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	04/07/21	FOR REVIEW: JRM
1	06/14/21	FOR REVIEW: JRM
2	08/24/21	FOR FILING: JRM
3	09/03/21	FOR FILING: JRM
4	09/15/21	FOR FILING: JRM
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: CHESHIRE POLICE STATION, 490 HIGHLAND AVE.
ADDRESS: CHESHIRE, CT 06410

CHESHIRE NE CT

SITE ADDRESS: 500 HIGHLAND AVE. CHESHIRE, CT 06410

APT FILING NUMBER: CT141_12100

DRAWN BY: DRA
DATE: 04/07/21
CHECKED BY: JRM

VZ PROJECT CODE: 20212223054
VZ LOCATION CODE: 468599
VZ FUZE ID: 16244732

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)

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	UNDERWRITERS 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, OF 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, WORKSCHEDULES, 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 OF 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 INSTALLATON 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 PURPOSE 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 CIRCUITS 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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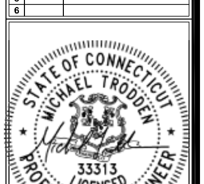
CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
0	04/07/21	FOR REVIEW: JRM
1	06/14/21	FOR REVIEW: JRM
2	08/24/21	FOR FILING: JRM
3	09/03/21	FOR FILING: JRM
4	09/15/21	FOR FILING: JRM
5		
6		



DESIGN PROFESSIONALS OF RECORD

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COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
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CHESHIRE NE CT

SITE ADDRESS: 500 HIGHLAND AVE. CHESHIRE, CT 06410

APT FILING NUMBER: CT141_12100

DRAWN BY: DRA

DATE: 04/07/21 CHECKED BY: JRM

VZ PROJECT CODE: 20212223054

VZ LOCATION CODE: 468599

VZ FUZE ID: 16244732

SHEET TITLE:

NOTES & SPECIFICATIONS

SHEET NUMBER:

N-1

SAMSUNG

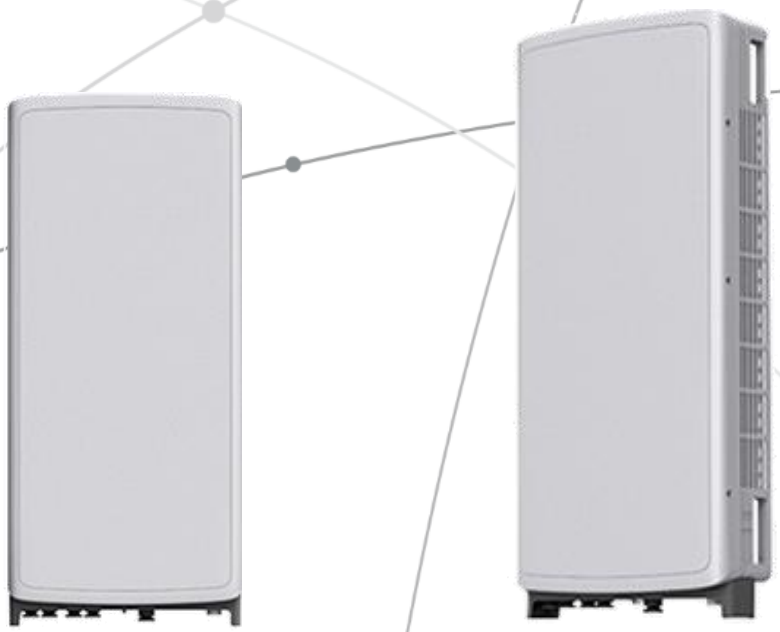
SAMSUNG

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

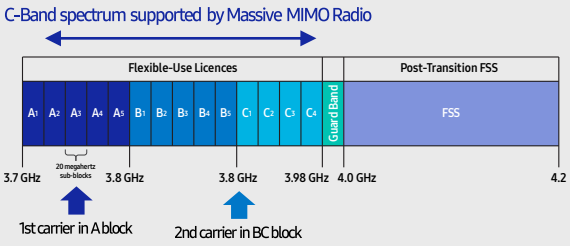


Points of Differentiation

Wide Bandwidth

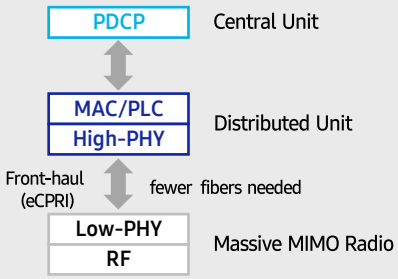
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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.

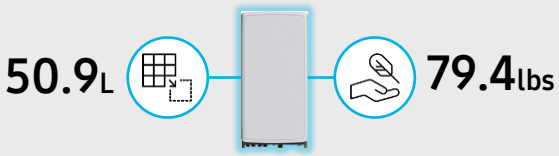
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

SAMSUNG

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

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

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

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

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

Features and Benefits

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

Key Technical Specifications

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

SAMSUNG

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

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

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

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

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

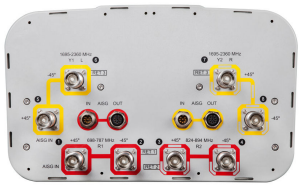
Features and Benefits

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

Key Technical Specifications

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

JAHH-65B-R3B



8-port sector antenna, 2x 698–787, 2x 824-894 and 4x 1695–2360 MHz, 65° HPBW, 3x RET and low bands have diplexers. Internal SBT's on first LB(Port 1) and first HB(Port 5).

- Internal SBT on low and high band allow remote RET control from the radio over the RF jumper cable
- One RET for 700MHz, one RET for 850MHz, and one RET for both high bands to ensure same tilt level for 4x Rx or 4x MIMO
- Internal filter on low band and interleaved dipole technology providing for attractive, low wind load mechanical package
- Separate RS-485 RET input/output for low and high band

General Specifications

Antenna Type	Sector
Band	Multiband
Color	Light gray
Effective Projective Area (EPA), frontal	0.28 m^2 | 3.014 ft^2
Effective Projective Area (EPA), lateral	0.24 m^2 | 2.583 ft^2
Grounding Type	RF connector body grounded to reflector and mounting bracket
Performance Note	Outdoor usage | Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
Radome Material	Fiberglass, UV resistant
Radiator Material	Aluminum | Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	4
RF Connector Quantity, low band	4
RF Connector Quantity, total	8

Remote Electrical Tilt (RET) Information, General

RET Interface	8-pin DIN Female | 8-pin DIN Male
RET Interface, quantity	2 female | 2 male

Dimensions

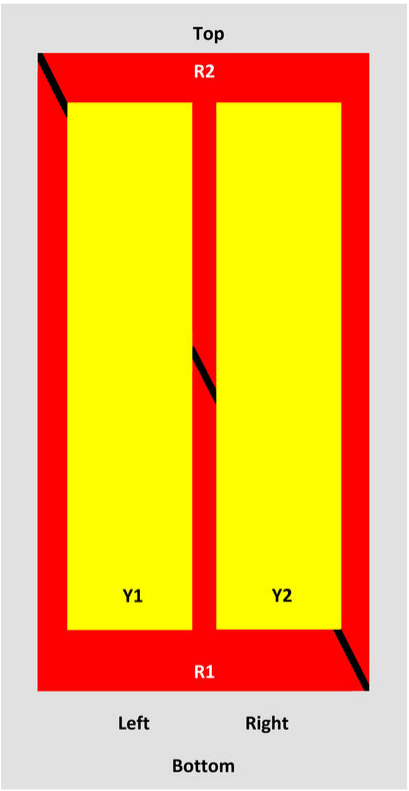
Width	350 mm | 13.78 in

JAHH-65B-R3B

Length	1828 mm | 71.969 in
Depth	208 mm | 8.189 in

Array Layout

JAHH-65A-R3B JAHH-65B-R3B JAHH-65C-R3B



Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	698-798	1-2	1	ANxxxxxxxxxxxxxxx1
R2	824-894	3-4	2	ANxxxxxxxxxxxxxxx2
Y1	1695-2360	5-6	3	ANxxxxxxxxxxxxxxx3
Y2	1695-2360	7-8		

View from the front of the antenna

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

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2360 MHz | 698 – 787 MHz | 824 – 894 MHz
Polarization	±45°

Remote Electrical Tilt (RET) Information, Electrical

Protocol	3GPP/AISG 2.0 (Single RET)
Power Consumption, idle state, maximum	2 W

JAHH-65B-R3B

Power Consumption, normal conditions, maximum	13 W
Input Voltage	10–30 Vdc
Internal Bias Tee	Port 1 | Port 5
Internal RET	High band (1) | Low band (2)

Electrical Specifications

Frequency Band, MHz	**698–787**	**824–894**	**1695–1880**	**1850–1990**	**1920–2200**	**2300–2360**
Gain, dBi	14.5	15.8	18	18.4	18.5	18.8
Beamwidth, Horizontal, degrees	67	65	63	63	65	68
Beamwidth, Vertical, degrees	12.4	10.5	5.7	5.2	4.9	4.4
Beam Tilt, degrees	2–14	2–14	0–10	0–10	0–10	0–10
USLS (First Lobe), dB	18	18	20	20	21	23
Front-to-Back Ratio at 180°, dB	32	34	31	35	36	38
Isolation, Cross Polarization, dB	25	25	25	25	25	25
Isolation, Inter-band, dB	30	30	30	30	30	30
VSWR | Return loss, dB	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153
Input Power per Port at 50° C, maximum, watts	200	200	300	300	300	250

Electrical Specifications, BASTA

Frequency Band, MHz	**698–787**	**824–894**	**1695–1880**	**1850–1990**	**1920–2200**	**2300–2360**
Gain by all Beam Tilts, average, dBi	14.3	14.9	17.6	18.1	18.2	18.5
Gain by all Beam Tilts Tolerance, dB	±0.3	±0.5	±0.6	±0.4	±0.5	±0.6
Gain by Beam Tilt, average, dBi	2 ° | 14.3 8 ° | 14.3 14 ° | 14.3	2 ° | 15.0 8 ° | 14.9 14 ° | 15.4	0 ° | 17.2 5 ° | 17.6 10 ° | 17.6	0 ° | 17.6 5 ° | 18.2 10 ° | 18.2	0 ° | 17.7 5 ° | 18.3 10 ° | 18.3	0 ° | 17.9 5 ° | 18.7 10 ° | 18.7
Beamwidth, Horizontal Tolerance, degrees	±1.2	±1.4	±4	±2.4	±2.9	±2.7
Beamwidth, Vertical Tolerance, degrees	±0.9	±0.5	±0.3	±0.2	±0.3	±0.1
USLS, beampeak to 20° above beampeak, dB	18	17	17	18	19	18
Front-to-Back Total Power at 180° ± 30°, dB	25	24	26	29	27	29
CPR at Boresight, dB	22	23	20	21	21	24

CPR at Sector, dB	11	12	11	11	11	8

Mechanical Specifications

Wind Loading at Velocity, frontal	301.0 N @ 150 km/h | 67.7 lbf @ 150 km/h
Wind Loading at Velocity, lateral	254.0 N @ 150 km/h | 57.1 lbf @ 150 km/h
Wind Loading at Velocity, maximum	143.4 lbf @ 150 km/h | 638.0 N @ 150 km/h
Wind Speed, maximum	241 km/h | 149.75 mph

Packaging and Weights

Width, packed	456 mm | 17.953 in
Depth, packed	357 mm | 14.055 in
Length, packed	1975 mm | 77.756 in
Net Weight, without mounting kit	29.2 kg | 64.375 lb
Weight, gross	42.5 kg | 93.696 lb

Regulatory Compliance/Certifications

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

Included Products

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

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance

ATTACHMENT 3

	General	Power	Density					
Site Name: Cheshire NE								
Tower Height: Verizon @ 122.5ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS. EXP.**	**FRACTION MPE**	**Total**
*Sprint	1	438	157.5	850	0.0069	0.5667	0.12%	
*Sprint	2	438	157.5	850	0.0137	0.5667	0.24%	
*Sprint	5	623	157.5	1900	0.0488	1.0000	0.49%	
*Sprint	2	1566	157.5	1900	0.0491	1.0000	0.49%	
*Sprint	8	778	157.5	2500	0.0975	1.0000	0.98%	
*MetroPCS CDMA	3	727	137.5	2135	0.0454	1.0000	0.45%	
*MetroPCS LTE	1	1200	137.5	2130	0.0250	1.0000	0.25%	
*Town Emergency Svcs	1	1200	167.5	450	0.0165	0.3000	0.55%	
*T-Mobile	4	1028	147	1900	0.0744	1.0000	0.74%	
*T-Mobile	2	2057	147	1900	0.0744	1.0000	0.74%	
*T-Mobile	2	2308	147	2100	0.0835	1.0000	0.83%	
*T-Mobile	2	592	147	600	0.0214	0.4000	0.54%	
*T-Mobile	1	1578	147	600	0.0285	0.4000	0.71%	
*T-Mobile	2	695	147	700	0.0251	0.4667	0.54%	
*T-Mobile	2	2105	147	1900	0.0762	1.0000	0.76%	
*T-Mobile	2	1325	147	2100	0.0479	1.0000	0.48%	
*T-Mobile	1	19239	147	2500	0.3480	1.0000	3.48%	
*T-Mobile	1	19239	147	2500	0.3480	1.0000	3.48%	
*AT&T	2	264	128	850	0.0128	0.5667	0.23%	
*AT&T	2	2951	128	700	0.1426	0.4667	3.06%	
*AT&T	2	3664	128	1900	0.1771	1.0000	1.77%	
*AT&T	1	5070	128	2100	0.1225	1.0000	1.22%	
*AT&T	1	1285	128	2300	0.0310	1.0000	0.31%	
VZW 700	**4**	**628**	**122.5**	**751**	**0.0060**	**0.5007**	**1.20%**	
VZW Cellular	**4**	**725**	**122.5**	**874**	**0.0070**	**0.5827**	**1.20%**	
VZW PCS	**4**	**1525**	**122.5**	**1975**	**0.0146**	**1.0000**	**1.46%**	
VZW AWS	**4**	**1493**	**122.5**	**2120**	**0.0143**	**1.0000**	**1.43%**	
VZW CBAND	**4**	**6531**	**122.5**	**3730.08**	**0.0626**	**1.0000**	**6.26%**	
								34.02%
* Source: Siting Council								

ATTACHMENT 4

GPD Engineering and Architecture
Professional Corporation

STRUCTURAL ANALYSIS REPORT

160' Monopole Tower

500 Highland Ave
Cheshire, CT 06410
41.5112 N, 72.8985 W

SBA Site Name: 500 Highland Ave / Light Tower
SBA Site ID: CT33762-M

Verizon Site Name: CHESHIRE_NE_CT
Verizon Site ID: NG62456
Application ID: 161836, v2

GPD Project Number: 2021778.33762.15 Rev. 2

Analysis Results

Tower Components	94.6%	Sufficient
Foundation	71.7%	Sufficient
Net Change in Tower Stress Ratio	+0.4%	As compared to the Previous Structural Analysis detailed on Page 2

Verizon Mount Reinforcement

Net Change in Tower Stress Ratio due to Mount Reinforcement	+ 0.8%	See Page 5 for Additional Details

September 15, 2021

Respectfully submitted by:

9/15/2021
Christopher J. Scheks, P.E.
Connecticut P.E. #: 0030026

Analysis Criteria

The purpose of this analysis is to verify whether the existing monopole tower is structurally capable of carrying the proposed antenna and feedline loads as specified by Verizon to SBA Site Management. This report was commissioned by Mr. Benjamin Walsh of SBA Site Management.

The existing structure and its foundations have been analyzed per the following requirements:

Governing Codes	TIA-222-G & 2018 Connecticut Building Code
Wind Speed*	105 MPH Nominal 3-Second Gust
Wind Speed w/ Ice	50 MPH 3-Second Gust
Radial Ice Thickness	3/4”
Risk Category	III
Exposure Category	B
Topographic Category	1

*Wind speed in nominal form is equivalent to a 135 MPH Ultimate 3-Second Gust.

This analysis has been performed in accordance with the 2018 Connecticut State Building Code based upon an ultimate 3-second gust wind speed of 135 mph converted to a nominal 3-second gust wind speed of 105 mph per Section 1609.3 and Appendix N as required for use in the TIA-222-G Standard per Exception #5 of Section 1609.1.1. Exposure Category B with a maximum topographic factor, Kzt, of 1.0 and Risk Category III were used in this analysis.

Analysis Method

tnxTower (Version 8.1.1.0), a commercially available software program, was used to create a three-dimensional model of the tower and calculate member stresses for various dead, live, wind and ice load cases. Selected output from the analysis is included in the appendices of this report.

Tower Description

The existing 160' monopole tower is located in Cheshire, CT. The tower was originally designed by Sabre Communications Corporation in September of 2003. The original design load for the tower was not provided or available at the time of this analysis. As a result, all structural information and loading has been taken from the following documents:

Documents Provided

Document Type	Remarks	Source
Original Tower Drawings	Sabre Job #: 04-09077, dated: 09/12/2003	SBA
Tower Mapping Report	ETS Project #: 193884, dated: 07/31/2019	SBA
Geotechnical Report	GPD Project #: 2019778.33762.14, dated: 11/15/2019	SBA
Foundation NDT Mapping Report	GPD Project #: 2019778.33762.14, dated: 11/15/2019	SBA
Verizon Mount Analysis	Maser Consulting Project #: 21777331A, dated: 06/09/2021	SBA
Verizon Mount Modification Drawings	Maser Consulting Project #: 21777331A, dated: 06/09/2021	SBA
Previous Structural Analysis	GPD Project #: 2019778.33762.12, dated: 11/20/2020	SBA
Application	SBA Application #: 161836, v2, dated: 08/27/2021	SBA

Tower Materials

Structural Components	Material Strength
Tower Shaft	ASTM A572 (65 KSI Yield Strength)
Anchor Rods	ASTM A615 (75 KSI Yield Strength)
Base Plate	ASTM A572 (60 KSI Yield Strength)

Tower Loading

The following data shows the major loading that the tower supports. All existing, leased, and proposed loading information was provided by SBA or taken from the previous structural analysis.

Existing/Leased Loading

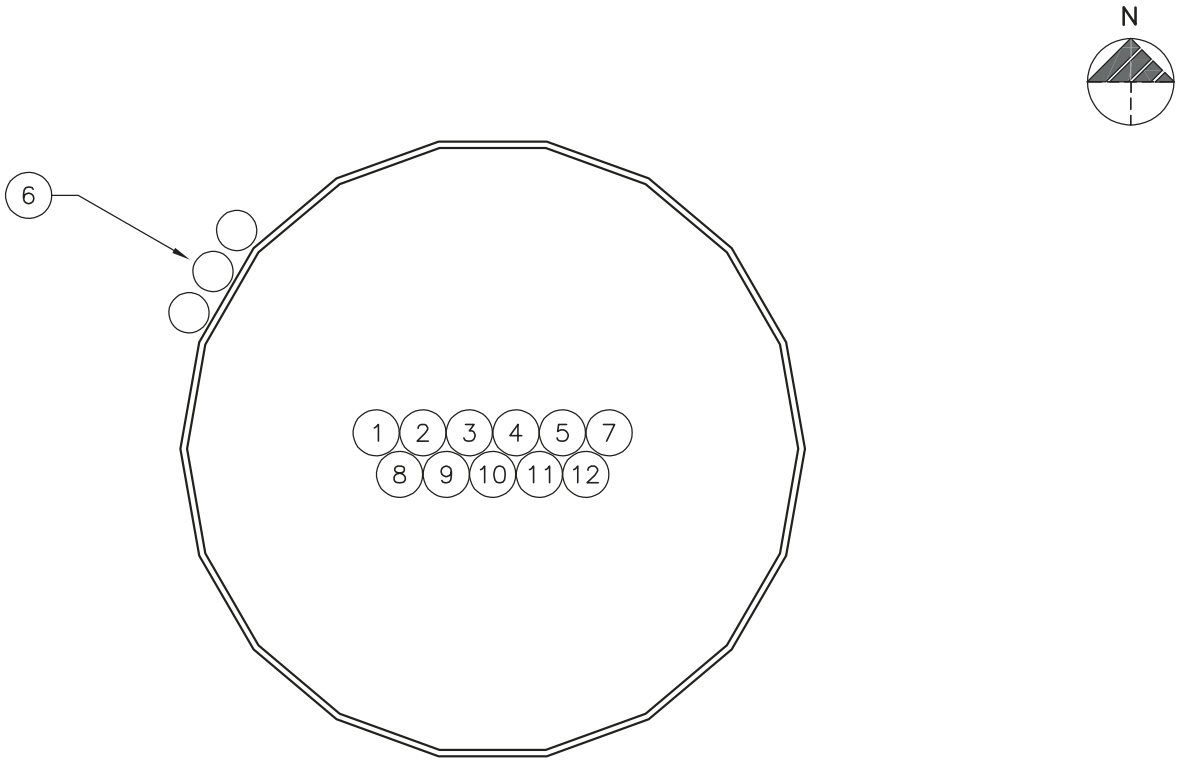
Carrier	Mounting Level (ft)	Center Line Elevation (ft)	# of Antennas	Antenna Manufacturer	Antenna/Mount Model	# of Coax	Coax Size (in)	Note
Town of Cheshire	159.0	165.0	1		10' x 2.5" Omni	2 2	7/8 E105	
			1	DBSpectra	DS1F03F36U-D			
		164.0	1		DB224			
			1	DBSpectra	DS4C06F36U-D			
		161.5	2	RFS	SC3-W100A			
		159.0	3		5' T-Arms			
Sprint	158.0	161.0	3	Alcatel Lucent	RRH8x20-25-FEU-8T8R	4 2	1-1/4 5/8	
		159.0	3	RFS	APXVSPP18-C-A20			
		158.0	1		12.5' Platform w/ Handrail Kit			
		157.5	3	RFS	APXVTM14-ALU-I20			
	154.0	154.0	3	Alcatel Lucent	RRH2x50-800	-	-	
			3	Alcatel Lucent	RRH1900-4x45			
			1		Collar Mount			
T-Mobile	147.0	147.0	3	Ericsson	AIR32 KRD901146-1_B66A_B2A (Octo)	15 3 12	1-5/8 1-5/8 Fiber 1/2	
			3	Ericsson	AIR6449 B41			
			3	RFS	APXVAALL24-43-U-NA20			
			3	Ericsson	KRY 112 144/1			
			3	RFS	ATMAA1413D1A20			
			3	Commscope	SDX1926Q-43			
			3	Ericsson	4449 B71 + B85			
			3	Ericsson	4415 B25			
			2	Site Pro 1	PRK-SFS Reinforcement Kit			
			2	Site Pro 1	HRK12-U Support Rail Kit			
			1		12.5' Platform			
AT&T	132.0	135.0	3	Raycap	DC6-48-60-18-8F	-	-	
		133.0	3	Ericsson	RRUS 11 B12			
		132.0	1		Collar Mount			
	127.0	131.0	6	Ericsson	RRUS 32	12 4	1-1/4 2-1/4	
		129.0	3		EPBQ-654L8H8-L2			
			3	Ericsson	RRUS 11 B2 + A2 Module			
			3		15"x7.5"x13" Box			
		128.0	3		OPA-65R-LCUU-H8			
			6	Powerwave	LGP21903			
		127.0	3	Kathrein	80010121			
			1		12.5' Platform			
Verizon	117.5	122.0	2	Raycap	DB-T1-6Z-8AB-OZ	11 2 2	1-5/8 1-5/8 Fiber 1/2	
		119.0	6	RFS	FD9R6004/2C-3L			
			3	Alcatel Lucent	RRH 4x45 AWS			
			3	Alcatel Lucent	RRH 2x60 PCS			
			3	Alcatel Lucent	RRH 2x60 700			
		118.0	6	Commscope	SBNHH-1D65B			
			3	Andrew	LNX 6514DS-VTM			
			3	Commscope	HBXX-6517DS-A2M			
		117.5	1		12.5' Platform			
Town of Cheshire	63.5	66.0	2	DBSpectra	DS4C03CS36U-N	2	1/2	
		63.5	1		Collar Mount			
	18.0	19.5	2	DBSpectra	SP7C03CS36U-N	3	1/2	
			1	DBSpectra	DS4C00F36U-D			
		18.0	1		Collar Mount			
	14.5	17.0	1	DBSpectra	DS4C03CS36U-N	2	1/2	
			1	DBSpectra	DS1X00CS36U-N			
		14.5	1		Collar Mount			

Final Proposed Loading Configuration

Carrier	Mounting Level (ft)	Center Line Elevation (ft)	# of Antennas	Antenna Manufacturer	Antenna/Mount Model	# of Coax	Coax Size (in)	Note
Verizon	117.5	122.0	2	Raycap	DB-T1-6Z-8AB-OZ	6 2 2	1-5/8 1-5/8 Fiber 1/2	1
		119.0	6	RFS	FD9R6004/2C-3L			
			3	Commscope	CBC78T-DS-43-2X			
			3	Samsung	B2/B66A			
			3	Samsung	B5/B13			
		118.0	3	Andrew	LNX 6514DS-VTM			
			6	Commscope	JAHH-65B-R3B			
			3	Samsung	MT6407-77A			
			3	Commscope	BSAMNT-SBS-2-2			
		117.5	1		VZWSmart PLK1 Support Rail Kit			
			3		VZWSmart MSK2 Crossover Plate			
			3		6' x P2.5 Std Mount Pipe			
			1		12.5' Platform			

Notes:
1. This loading represents Verizon's final configuration on the tower. See the next page for the proposed feedline layout.

Proposed Feedline Configuration



#	CARRIER	SIZE	QTY.	ELEVATION	NOTES
1	Town of Cheshire	7/8"	2	159'	
2	Town of Cheshire	E105	2	159'	
3	Sprint	1-1/4"	4	158'	
4	Sprint	5/8"	2	158'	
5	T-Mobile	1-5/8"	15	147'	
6	T-Mobile	1-5/8"	3	147'	Fiber
7	T-Mobile	1/2"	12	147'	
8	AT&T	1-1/4"	12	127'	
9	AT&T	2-1/4"	4	127'	
10	Verizon	1-5/8"	8	117.5'	(2) Fiber
11	Verizon	1/2"	2	117.5'	
12	Town of Cheshire	1/2"	2, 3, 2	14.5', 18', 63.5'	

Tower Section Results

Capacity Summary of Structural Components

Notes	Component	% Capacity	Pass / Fail
	Monopole	94.6	Pass
	Anchor Rods	81.8	Pass
	Base Plate	61.0	Pass
	Tower Base Foundation	71.7	Pass

Verizon Mount Reinforcement

Notes	Loading	Tower Capacity	Foundation Capacity
1	Existing Mount	93.8	70.7
	Reinforced Mount	94.6	71.7

Notes:
1. No analysis of the existing/reinforced mounts were performed in this analysis. This table is a summary of the tower and foundation capacity based on the proposed loading and the existing/reinforced mount.

Conclusions & Recommendations

The designs of the tower and its foundations are sufficient to support the proposed loading configuration and will not require modification.

Assumptions

This structural analysis is based on the theoretical capacity of the members and is not a condition assessment of the tower. This analysis is from information supplied, and therefore, its results are based on and are as accurate as that supplied data. GPD has made no independent determination, nor is it required to, of its accuracy. The following assumptions were made for this structural analysis.

1) Tower and structures were built in accordance with the manufacturer's specifications.
2) The tower and structures have been maintained in accordance with the manufacturer's specification.
3) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in the Existing/Reserved Loading and Proposed Loading Tables, and the specified documents.
4) All mounts, if applicable, are considered adequate to support the loading. No actual analysis of the mount(s) is performed. This analysis is limited to analyzing the tower only.
5) Mount sizes, weights, and manufacturers are best estimates based on photos provided and determined without the benefit of a site visit by GPD.
6) All member connections and foundation steel reinforcing are assumed designed to meet or exceed the load carrying capacity of the connected member and surrounding soils respectively unless otherwise specified in this report.
7) The existing feedline layout has been based upon the previous structural analysis and site photos.
8) Leased coax currently not installed shall be installed as illustrated in this report for the analysis results to be valid.
9) Proposed coax shall be installed as illustrated in this report for the analysis results to be valid.

If any of these assumptions are not valid or have been made in error, this analysis may be affected, and GPD should be allowed to review any new information to determine its effect on the structural integrity of the tower.

Disclaimer of Warranties

GPD has not performed a site visit to the tower to verify the member sizes or antenna/coax loading. If the existing conditions are not as represented on the tower elevation contained in this report, we should be contacted immediately to evaluate the significance of the discrepancy. This is not a condition assessment of the tower or foundation. This report does not replace a full tower inspection. The tower and foundations are assumed to have been properly fabricated, erected, maintained, in good condition, twist free, and plumb.

The engineering services rendered by GPD in connection with this Structural Analysis are limited to a computer analysis of the tower structure and theoretical capacity of its main structural members. No allowance was made for any damaged, bent, missing, loose, or rusted members (above and below ground). No allowance was made for loose bolts or cracked welds.

This analysis is limited to the designated maximum wind and seismic conditions per the governing tower standards and code. Wind forces resulting in tower vibrations near the structure's resonant frequencies were not considered in this analysis and are outside the scope of this analysis. Lateral loading from any dynamic response was not evaluated under a time-domain based fatigue analysis.

GPD does not analyze the fabrication of the structure (including welding). It is not possible to have all the very detailed information needed to perform a thorough analysis of every structural sub-component and connection of an existing tower. GPD provides a limited scope of service in that we cannot verify the adequacy of every weld, plate connection detail, etc. The purpose of this report is to assess the capability of adding appurtenances usually accompanied by transmission lines to the structure.

It is the owner's responsibility to determine the amount of ice accumulation in excess of the code specified amount, if any, that should be considered in the structural analysis.

The attached sketches are a schematic representation of the analyzed tower. If any material is fabricated from these sketches, the contractor shall be responsible for field verifying the existing conditions, proper fit, and clearance in the field. Any mentions of structural modifications are reasonable estimates and should not be used as a precise construction document. Precise modification drawings are obtainable from GPD, but are beyond the scope of this report.

Miscellaneous items such as antenna mounts, etc., have not been designed or detailed as a part of our work. We recommend that material of adequate size and strength be purchased from a reputable tower manufacturer.

Towers are designed to carry gravity, wind, and ice loads. All members, legs, diagonals, struts, and redundant members provide structural stability to the tower with little redundancy. Absence or removal of a member can trigger catastrophic failure unless a substitute is provided before any removal. Legs carry axial loads and derive their strength from shorter unbraced lengths by the presence of redundant members and their connection to the diagonals with bolts or welds. If the bolts or welds are removed without providing any substitute to the frame, the leg is subjected to a higher unbraced length that immediately reduces its load carrying capacity. If a diagonal is also removed in addition to the connection, the unbraced length of the leg is greatly increased, jeopardizing its load carrying capacity. Failure of one leg can result in a tower collapse because there is no redundancy. Redundant members and diagonals are critical to the stability of the tower.

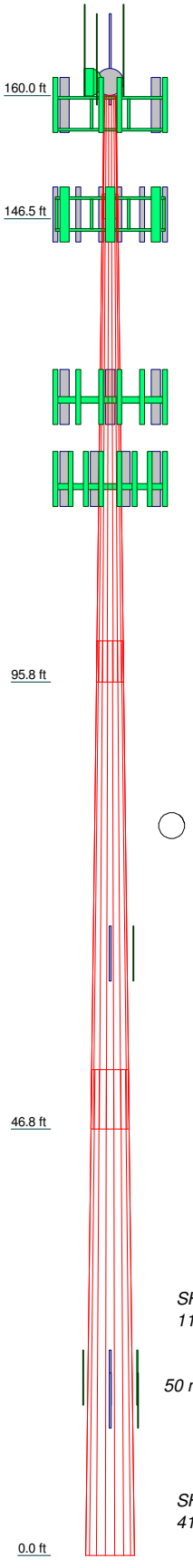
GPD makes no warranties, expressed and/or implied, in connection with this report and disclaims any liability arising from material, fabrication, and erection of this tower. GPD will not be responsible whatsoever for, or on account of, consequential or incidental damages sustained by any person, firm, or organization as a result of any data or conclusions contained in this report. The maximum liability of GPD pursuant to this report will be limited to the total fee received for preparation for this report.

SBA Site ID: CT33762-M
September 15, 2021

TNX TOWER OUTPUT

GPD

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	13.50	18	0.1875	2.75	16.7500	20.9100		0.5
2	53.50	18	0.2500	4.50	19.6876	36.1600		4.0
3	53.50	18	0.3125	6.50	34.2745	50.7600		7.6
4	53.25	18	0.3750		48.1321	64.5300	A572-65	12.1
								24.2



ALL REACTIONS ARE FACTORED

AXIAL 113 K

SHEAR 11 K

MOMENT 1335 kip-ft

TORQUE 1 kip-ft
50 mph WIND - 0.7500 in ICE

AXIAL 56 K

SHEAR 41 K

MOMENT 4917 kip-ft

TORQUE 1 kip-ft
REACTIONS - 105 mph WIND

MATERIAL STRENGTH

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

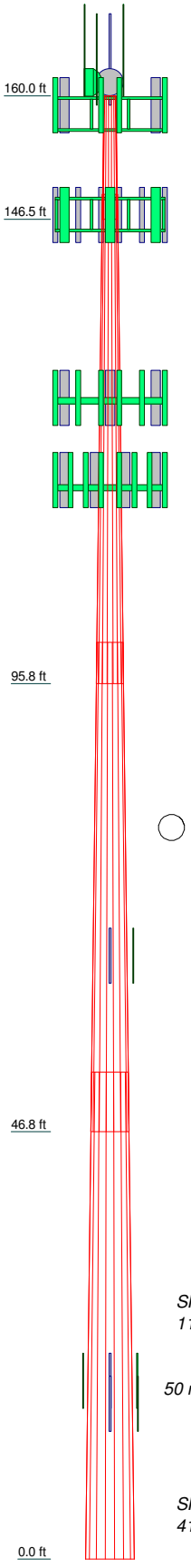
TOWER DESIGN NOTES

1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-G Standard.
3. Tower designed for a 105 mph basic wind in accordance with the TIA-222-G Standard.
4. Tower is also designed for a 50 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Structure Class III.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 94.6%

GPD
520 South Main Street Suite 2531
Akron, Ohio 44311
Phone: (330) 572-2100
FAX: (330) 572-2101

Job: ***CT33762-M 500 Highland Ave / Light Tower***			
Project: ***2021778.33762.15 Rev. 2***			
Client: SBA Site Management	Drawn by: kdavis	App'd:	
Code: TIA-222-G	Date: 09/15/21	Scale: NTS	
Path:		Dwg No. E-1	

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	13.50	18	0.1875	2.75	16.7500	20.9100		0.5
2	53.50	18	0.2500	4.50	19.6876	36.1600		4.0
3	53.50	18	0.3125	6.50	34.2745	50.7600		7.6
4	53.25	18	0.3750		48.1321	64.5300		12.1
							A572-65	



ALL REACTIONS ARE FACTORED

AXIAL 113 K

SHEAR 11 K

MOME 1335 k

TORQUE 1 kip-ft
50 mph WIND - 0.7500 in ICE

AXIAL 56 K

SHEAR 41 K

MOME 4917 k

TORQUE 1 kip-ft
REACTIONS - 105 mph WIND

DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
12.5' Handrail Kit	160.5	Andrew Collar Mount	132
10' Omni (2.5" Diam)	159	B2B RRU Mount	132
DS1F03F36U-D	159	(2) RRUS-32	127
DB224	159	(2) RRUS-32	127
DS4C06F36U-D	159	EPBQ-654L8H8-L2	127
(3) Andrew 5' T-Arms	159	EPBQ-654L8H8-L2	127
SC3-W100A	159	EPBQ-654L8H8-L2	127
SC3-W100A	159	RRUS 11 B2	127
RRH8x20-25-FEU-8T8R	158	RRUS 11 B2	127
RRH8x20-25-FEU-8T8R	158	RRUS 11 B2	127
APXVSPP18-C-A20 w/ Mount Pipe	158	RRUS A2 MODULE	127
APXVSPP18-C-A20 w/ Mount Pipe	158	RRUS A2 MODULE	127
APXVSPP18-C-A20 w/ Mount Pipe	158	RRUS A2 MODULE	127
APXVTM14-ALU-I20 w/ Mount Pipe	158	15"x7.5"x13" Box	127
APXVTM14-ALU-I20 w/ Mount Pipe	158	15"x7.5"x13" Box	127
APXVTM14-ALU-I20 w/ Mount Pipe	158	15"x7.5"x13" Box	127
Sabre 12' LP Platform	158	OPA-65R-LCUU-H8	127
RRH8x20-25-FEU-8T8R	158	OPA-65R-LCUU-H8	127
RRH2X50-800	154	OPA-65R-LCUU-H8	127
RRH2X50-800	154	(2) LGP21903	127
RRH1900-4x45	154	(2) LGP21903	127
RRH1900-4x45	154	(2) LGP21903	127
RRH1900-4x45	154	800 10121	127
Andrew Collar Mount	154	800 10121	127
RRH2X50-800	154	800 10121	127
Site Pro 1 PRK-SFS Reinforcement Kit	149.5	Commscope MTC3607 Platform w/ Reinforcing Kit	127
Collar Mount	149.5		
Site Pro 1 HRK12-U Support Rail Kit	149.5	(2) RRUS-32	127
AIR 32 KRD901146-1 B66A/B2A w/ Mount Pipe	147	VZWSmart MSK2 Crossover Plate	117.5
		VZWSmart MSK2 Crossover Plate	117.5
AIR 32 KRD901146-1 B66A/B2A w/ Mount Pipe	147	DB-T1-6Z-8AB-0Z	117.5
		DB-T1-6Z-8AB-0Z	117.5
AIR 32 KRD901146-1 B66A/B2A w/ Mount Pipe	147	(2) FD9R6004/2C-3L	117.5
		(2) FD9R6004/2C-3L	117.5
AIR6449 B41 w/ Mount Pipe	147	(2) FD9R6004/2C-3L	117.5
AIR6449 B41 w/ Mount Pipe	147	CBC78T-DS-43-2X	117.5
AIR6449 B41 w/ Mount Pipe	147	CBC78T-DS-43-2X	117.5
APXVAALL24_43-U-NA20 w/ Mount Pipe	147	CBC78T-DS-43-2X	117.5
		B2/B66A	117.5
APXVAALL24_43-U-NA20 w/ Mount Pipe	147	B2/B66A	117.5
APXVAALL24_43-U-NA20 w/ Mount Pipe	147	B2/B66A	117.5
		B5/B13 RRH	117.5
KRY 112 144/1	147	B5/B13 RRH	117.5
KRY 112 144/1	147	B5/B13 RRH	117.5
KRY 112 144/1	147	LNX-6514DS-VTM w/ Mount Pipe	117.5
ATMAA1413D-1A20	147	LNX-6514DS-VTM w/ Mount Pipe	117.5
ATMAA1413D-1A20	147	LNX-6514DS-VTM w/ Mount Pipe	117.5
ATMAA1413D-1A20	147	(2) JAHH-65B-R3B w/ Mount Pipe	117.5
SDX1926Q-43	147	(2) JAHH-65B-R3B w/ Mount Pipe	117.5
SDX1926Q-43	147	(2) JAHH-65B-R3B w/ Mount Pipe	117.5
SDX1926Q-43	147	MT6407-77A w/ 6' x P2.5 Std Mount Pipe	117.5
4449 B71+B85	147		
4449 B71+B85	147	MT6407-77A w/ 6' x P2.5 Std Mount Pipe	117.5
4449 B71+B85	147		
4415 B25	147	MT6407-77A w/ 6' x P2.5 Std Mount Pipe	117.5
4415 B25	147		
4415 B25	147	BSAMNT-SBS-2-2	117.5
Sabre 12' LP Platform	147	BSAMNT-SBS-2-2	117.5
Collar Mount	146	BSAMNT-SBS-2-2	117.5
Site Pro 1 PRK-SFS Reinforcement Kit	146	MTS 12.5' Co-Locational Platform w/ VZWSmart PLK1 Support Rail Kit [LP 301-1]	117.5
Site Pro 1 HRK12-U Support Rail Kit	146		
B2B RRU Mount	132	VZWSmart MSK2 Crossover Plate	117.5
B2B RRU Mount	132	DS4C03CS36U-N	63.5
DC6-48-60-18-8F Surge Suppression Unit	132	Andrew Collar Mount	63.5
		DS4C03CS36U-N	63.5
DC6-48-60-18-8F Surge Suppression Unit	132	SP7C03CS36U-N	18
		DS4C00F36U-D	18
DC6-48-60-18-8F Surge Suppression Unit	132	Andrew Collar Mount	18
		SP7C03CS36U-N	18
RRUS 11 B12	132	DS1X00CS36U-N	14.5
RRUS 11 B12	132	Andrew Collar Mount	14.5
RRUS 11 B12	132	DS4C03CS36U-N	14.5

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

GPD
520 South Main Street Suite 2531
Akron, Ohio 44311
Phone: (330) 572-2100
FAX: (330) 572-2101

Job: CT33762-M 500 Highland Ave / Light Tower			
Project: 2021778.33762.15 Rev. 2			
Client: SBA Site Management	Drawn by: kdavis	App'd:	
Code: TIA-222-G	Date: 09/15/21	Scale: NTS	
Path:		Dwg No. E-1	

Tower Input Data

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

Tower is located in New Haven County, Connecticut.
ASCE 7-10 Wind Data is used (wind speeds converted to nominal values).
Basic wind speed of 105 mph.
Structure Class III.
Exposure Category B.
Topographic Category 1.
Crest Height 0.00 ft.
Nominal ice thickness of 0.7500 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	*Elevation* *ft*	*Section Length* *ft*	*Splice Length* *ft*	*Number of Sides*	*Top Diameter* *in*	*Bottom Diameter* *in*	*Wall Thickness* *in*	*Bend Radius* *in*	*Pole Grade*
L1	160.00-146.50	13.50	2.75	18	16.7500	20.9100	0.1875	0.7500	A572-65 (65 ksi)
L2	146.50-95.75	53.50	4.50	18	19.6876	36.1600	0.2500	1.0000	A572-65 (65 ksi)
L3	95.75-46.75	53.50	6.50	18	34.2745	50.7600	0.3125	1.2500	A572-65

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L4	46.75-0.00	53.25		18	48.1321	64.5300	0.3750	1.5000	(65 ksi) A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	16.9795	9.8568	341.6043	5.8797	8.5090	40.1462	683.6581	4.9293	2.6180	13.963
	21.2036	12.3325	669.0708	7.3565	10.6223	62.9875	1339.0220	6.1674	3.3502	17.868
L2	20.8125	15.4237	736.2272	6.9003	10.0013	73.6132	1473.4231	7.7133	3.0250	12.1
	36.6793	28.4946	4642.2721	12.7480	18.3693	252.7193	9290.6527	14.2500	5.9242	23.697
L3	36.1630	33.6860	4908.7738	12.0565	17.4114	281.9282	9824.0066	16.8462	5.4823	17.543
	51.4948	50.0376	16088.4180	17.9089	25.7861	623.9187	32198.0056	25.0236	8.3838	26.828
L4	50.8493	56.8429	16379.0637	16.9538	24.4511	669.8702	32779.6794	28.4268	7.8112	20.83
	65.4676	76.3605	39707.0084	22.7750	32.7812	1211.2723	79466.2644	38.1875	10.6973	28.526

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 160.00-146.50				1	1	1			
L2 146.50-95.75				1	1	1			
L3 95.75-46.75				1	1	1			
L4 46.75-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
Step Pegs	A	No	Surface Ar (CaAa)	160.00 - 0.00	1	1	0.000 0.000	0.8000		2.72
1-5/8" Fiber Cable	A	No	Surface Ar (CaAa)	147.00 - 6.00	3	3	-0.500 -0.250	1.9800		0.82

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
Safety Line (3/8")	A	No	No	CaAa (Out Of Face)	160.00 - 0.00	1	No Ice 1/2" Ice 1" Ice	0.04 0.14 0.24	0.22 0.75 1.28
***									
LDF5-50A (7/8 FOAM)	A	No	No	Inside Pole	159.00 - 4.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.33 0.33 0.33
E105	A	No	No	Inside Pole	159.00 - 2.00	2	No Ice 1/2" Ice	0.00 0.00	0.40 0.40

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
							1" Ice	0.00	0.40
***									
LDF6-50A (1-1/4 FOAM)	A	No	No	Inside Pole	158.00 - 2.00	4	No Ice	0.00	0.66
							1/2" Ice	0.00	0.66
							1" Ice	0.00	0.66
LDF4.5-50 (5/8 FOAM)	A	No	No	Inside Pole	158.00 - 2.00	2	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
***									
LDF7-50A (1-5/8 FOAM)	A	No	No	Inside Pole	147.00 - 6.00	15	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
LDF4P-50A (1/2 FOAM)	A	No	No	Inside Pole	147.00 - 6.00	12	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
***									
LDF6-50A (1-1/4 FOAM)	A	No	No	Inside Pole	127.00 - 4.00	12	No Ice	0.00	0.66
							1/2" Ice	0.00	0.66
							1" Ice	0.00	0.66
2-1/4" Conduit	A	No	No	Inside Pole	127.00 - 4.00	4	No Ice	0.00	0.32
							1/2" Ice	0.00	0.32
							1" Ice	0.00	0.32
***									
LDF7-50A (1-5/8 FOAM)	A	No	No	Inside Pole	117.50 - 2.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
1-5/8" Fiber Cable	A	No	No	Inside Pole	117.50 - 2.00	2	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
LDF4-50A (1/2 FOAM)	A	No	No	Inside Pole	117.50 - 2.00	2	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
***									
LDF4-50A (1/2 FOAM)	A	No	No	Inside Pole	63.50 - 4.00	2	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
LDF4-50A (1/2 FOAM)	A	No	No	Inside Pole	18.00 - 4.00	3	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
LDF4-50A (1/2 FOAM)	A	No	No	Inside Pole	14.50 - 4.00	2	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(3) Andrew 5' T-Arms	A	None		0.0000	159.00	No Ice	5.31	5.31	0.62
						1/2" Ice	7.30	7.30	0.81
						1" Ice	9.29	9.29	0.99
10' Omni (2.5" Diam)	C	From Leg	2.50 0.00 6.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	2.50 3.53 4.58	2.50 3.53 4.58	0.03 0.04 0.07

Description	*Face or Leg*	*Offset Type*	*Offsets: Horz Lateral Vert* *ft* *ft* *ft*	*Azimuth Adjustment* °	*Placement* *ft*		*C_AA_A Front* *ft^2*	*C_AA_A Side* *ft^2*	*Weight* *K*
DS1F03F36U-D	B	From Leg	1.00 0.00 6.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	3.78 5.07 6.38	3.78 5.07 6.38	0.04 0.06 0.10
DB224	A	From Leg	2.50 0.00 5.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	3.15 5.67 8.19	3.15 5.67 8.19	0.03 0.04 0.05
DS4C06F36U-D	C	From Leg	1.00 0.00 5.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice	3.09 4.15 5.23	3.09 4.15 5.23	0.03 0.05 0.08
*****									
Sabre 12' LP Platform	A	None		0.0000	158.00	No Ice 1/2" Ice 1" Ice	28.50 31.69 34.87	28.50 31.69 34.87	1.12 1.68 2.28
12.5' Handrail Kit	A	None		0.0000	160.50	No Ice 1/2" Ice 1" Ice	4.56 6.39 8.18	4.56 6.39 8.18	0.34 0.44 0.54
RRH8x20-25-FEU-8T8R	A	From Centroid-Leg	4.00 0.00 3.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice	3.70 3.95 4.20	1.29 1.46 1.64	0.07 0.09 0.12
RRH8x20-25-FEU-8T8R	B	From Centroid-Leg	4.00 0.00 3.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice	3.70 3.95 4.20	1.29 1.46 1.64	0.07 0.09 0.12
RRH8x20-25-FEU-8T8R	C	From Centroid-Leg	4.00 0.00 3.00	0.0000	158.00	No Ice 1/2" Ice 1" Ice	3.70 3.95 4.20	1.29 1.46 1.64	0.07 0.09 0.12
APXVSPP18-C-A20 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 1.00	22.0000	158.00	No Ice 1/2" Ice 1" Ice	8.02 8.48 8.94	6.71 7.66 8.49	0.08 0.14 0.22
APXVSPP18-C-A20 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 1.00	22.0000	158.00	No Ice 1/2" Ice 1" Ice	8.02 8.48 8.94	6.71 7.66 8.49	0.08 0.14 0.22
APXVSPP18-C-A20 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 1.00	22.0000	158.00	No Ice 1/2" Ice 1" Ice	8.02 8.48 8.94	6.71 7.66 8.49	0.08 0.14 0.22
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 -0.50	22.0000	158.00	No Ice 1/2" Ice 1" Ice	6.58 7.03 7.47	4.96 5.75 6.47	0.08 0.13 0.19
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 -0.50	22.0000	158.00	No Ice 1/2" Ice 1" Ice	6.58 7.03 7.47	4.96 5.75 6.47	0.08 0.13 0.19
APXVTM14-ALU-I20 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 -0.50	22.0000	158.00	No Ice 1/2" Ice 1" Ice	6.58 7.03 7.47	4.96 5.75 6.47	0.08 0.13 0.19
*****									
Andrew Collar Mount	A	None		0.0000	154.00	No Ice 1/2" Ice 1" Ice	2.14 2.35 2.57	2.14 2.35 2.57	0.19 0.25 0.30
RRH2X50-800	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice	1.70 1.86 2.03	1.28 1.43 1.58	0.05 0.07 0.09
RRH2X50-800	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice	1.70 1.86 2.03	1.28 1.43 1.58	0.05 0.07 0.09
RRH2X50-800	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice	1.70 1.86 2.03	1.28 1.43 1.58	0.05 0.07 0.09
RRH1900-4x45	A	From	4.00	0.0000	154.00	No Ice	2.29	2.29	0.06

Description	*Face or Leg*	*Offset Type*	*Offsets: Horz Lateral ft / Vert ft / ft*	*Azimuth Adjustment* °	*Placement* ft		C_AA_A *Front* ft^2	C_AA_A *Side* ft^2	*Weight* K
		Centroid-Leg	0.00 0.00			1/2" Ice 1" Ice	2.50 2.71	2.50 2.71	0.08 0.11
RRH1900-4x45	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice	2.29 2.50 2.71	2.29 2.50 2.71	0.06 0.08 0.11
RRH1900-4x45	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice	2.29 2.50 2.71	2.29 2.50 2.71	0.06 0.08 0.11
*****									
Sabre 12' LP Platform	A	None		0.0000	147.00	No Ice 1/2" Ice 1" Ice	28.47 33.59 38.71	28.47 33.59 38.71	1.12 1.51 1.91
Site Pro 1 HRK12-U Support Rail Kit	A	None		0.0000	149.50	No Ice 1/2" Ice 1" Ice	4.56 6.39 8.18	4.56 6.39 8.18	0.30 0.39 0.48
Site Pro 1 PRK-SFS Reinforcement Kit	A	None		0.0000	149.50	No Ice 1/2" Ice 1" Ice	6.20 7.19 8.18	6.20 7.19 8.18	0.20 0.25 0.31
Collar Mount	A	None		0.0000	149.50	No Ice 1/2" Ice 1" Ice	2.14 2.35 2.57	2.14 2.35 2.57	0.19 0.25 0.30
Site Pro 1 HRK12-U Support Rail Kit	A	None		0.0000	146.00	No Ice 1/2" Ice 1" Ice	4.56 6.39 8.18	4.56 6.39 8.18	0.30 0.39 0.48
Site Pro 1 PRK-SFS Reinforcement Kit	A	None		0.0000	146.00	No Ice 1/2" Ice 1" Ice	6.20 7.19 8.18	6.20 7.19 8.18	0.20 0.25 0.31
Collar Mount	A	None		0.0000	146.00	No Ice 1/2" Ice 1" Ice	2.14 2.35 2.57	2.14 2.35 2.57	0.19 0.25 0.30
AIR 32 KRD901146-1 B66A/B2A w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	6.58 6.97 7.37	5.90 6.56 7.24	0.15 0.21 0.28
AIR 32 KRD901146-1 B66A/B2A w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	6.58 6.97 7.37	5.90 6.56 7.24	0.15 0.21 0.28
AIR 32 KRD901146-1 B66A/B2A w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	6.58 6.97 7.37	5.90 6.56 7.24	0.15 0.21 0.28
AIR6449 B41 w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	6.45 7.02 7.53	3.92 4.64 5.25	0.13 0.18 0.24
AIR6449 B41 w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	6.45 7.02 7.53	3.92 4.64 5.25	0.13 0.18 0.24
AIR6449 B41 w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	6.45 7.02 7.53	3.92 4.64 5.25	0.13 0.18 0.24
APXVAALL24_43-U-NA20 w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	20.48 21.23 21.99	10.87 12.39 13.94	0.18 0.32 0.46
APXVAALL24_43-U-NA20 w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	20.48 21.23 21.99	10.87 12.39 13.94	0.18 0.32 0.46
APXVAALL24_43-U-NA20 w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	20.48 21.23 21.99	10.87 12.39 13.94	0.18 0.32 0.46

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Offsets: Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
KRY 112 144/1	A	From Centroid-Face	4.00 0.00 0.00		0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.35 0.43 0.51	0.17 0.23 0.30	0.01 0.01 0.02
KRY 112 144/1	B	From Centroid-Face	4.00 0.00 0.00		0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.35 0.43 0.51	0.17 0.23 0.30	0.01 0.01 0.02
KRY 112 144/1	C	From Centroid-Face	4.00 0.00 0.00		0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.35 0.43 0.51	0.17 0.23 0.30	0.01 0.01 0.02
ATMAA1413D-1A20	A	From Centroid-Face	4.00 0.00 0.00		0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.00 1.13 1.26	0.41 0.50 0.59	0.01 0.02 0.03
ATMAA1413D-1A20	B	From Centroid-Face	4.00 0.00 0.00		0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.00 1.13 1.26	0.41 0.50 0.59	0.01 0.02 0.03
ATMAA1413D-1A20	C	From Centroid-Face	4.00 0.00 0.00		0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.00 1.13 1.26	0.41 0.50 0.59	0.01 0.02 0.03
SDX1926Q-43	A	From Centroid-Face	4.00 0.00 0.00		0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.24 0.30 0.37	0.10 0.14 0.19	0.01 0.01 0.01
SDX1926Q-43	B	From Centroid-Face	4.00 0.00 0.00		0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.24 0.30 0.37	0.10 0.14 0.19	0.01 0.01 0.01
SDX1926Q-43	C	From Centroid-Face	4.00 0.00 0.00		0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.24 0.30 0.37	0.10 0.14 0.19	0.01 0.01 0.01
4449 B71+B85	A	From Centroid-Face	4.00 0.00 0.00		0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.97 2.15 2.33	1.41 1.57 1.73	0.07 0.09 0.11
4449 B71+B85	B	From Centroid-Face	4.00 0.00 0.00		0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.97 2.15 2.33	1.41 1.57 1.73	0.07 0.09 0.11
4449 B71+B85	C	From Centroid-Face	4.00 0.00 0.00		0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.97 2.15 2.33	1.41 1.57 1.73	0.07 0.09 0.11
4415 B25	A	From Centroid-Face	4.00 0.00 0.00		0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.65 1.81 1.98	0.68 0.79 0.92	0.05 0.06 0.07
4415 B25	B	From Centroid-Face	4.00 0.00 0.00		0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.65 1.81 1.98	0.68 0.79 0.92	0.05 0.06 0.07
4415 B25	C	From Centroid-Face	4.00 0.00 0.00		0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.65 1.81 1.98	0.68 0.79 0.92	0.05 0.06 0.07
*****										
Andrew Collar Mount	A	None			0.0000	132.00	No Ice 1/2" Ice 1" Ice	2.14 2.35 2.57	2.14 2.35 2.57	0.19 0.25 0.30
B2B RRU Mount	A	From Centroid-Leg	4.00 0.00 0.00		0.0000	132.00	No Ice 1/2" Ice 1" Ice	1.20 1.80 2.17	1.20 1.80 2.17	0.02 0.03 0.04
B2B RRU Mount	B	From Centroid-Leg	4.00 0.00 0.00		0.0000	132.00	No Ice 1/2" Ice 1" Ice	1.20 1.80 2.17	1.20 1.80 2.17	0.02 0.03 0.04
B2B RRU Mount	C	From Centroid-Leg	4.00 0.00		0.0000	132.00	No Ice 1/2" Ice	1.20 1.80	1.20 1.80	0.02 0.03

Description	*Face or Leg*	*Offset Type*	*Offsets: Horz Lateral ft* / *Vert ft* / *ft*	*Azimuth Adjustment* °	*Placement* ft		C_AA_A *Front* ft^2	C_AA_A *Side* ft^2	*Weight* K
		g	0.00			1" Ice	2.17	2.17	0.04
DC6-48-60-18-8F Surge	A	From	2.00	0.0000	132.00	No Ice	0.92	0.92	0.02
Suppression Unit		Centroid-Le	0.00			1/2" Ice	1.46	1.46	0.04
		g	3.00			1" Ice	1.64	1.64	0.06
DC6-48-60-18-8F Surge	B	From	2.00	0.0000	132.00	No Ice	0.92	0.92	0.02
Suppression Unit		Centroid-Le	0.00			1/2" Ice	1.46	1.46	0.04
		g	3.00			1" Ice	1.64	1.64	0.06
DC6-48-60-18-8F Surge	C	From	2.00	0.0000	132.00	No Ice	0.92	0.92	0.02
Suppression Unit		Centroid-Le	0.00			1/2" Ice	1.46	1.46	0.04
		g	3.00			1" Ice	1.64	1.64	0.06
RRUS 11 B12	A	From	2.00	0.0000	132.00	No Ice	2.83	1.18	0.05
		Centroid-Le	0.00			1/2" Ice	3.04	1.33	0.07
		g	1.00			1" Ice	3.26	1.48	0.10
RRUS 11 B12	B	From	2.00	0.0000	132.00	No Ice	2.83	1.18	0.05
		Centroid-Le	0.00			1/2" Ice	3.04	1.33	0.07
		g	1.00			1" Ice	3.26	1.48	0.10
RRUS 11 B12	C	From	2.00	0.0000	132.00	No Ice	2.83	1.18	0.05
		Centroid-Le	0.00			1/2" Ice	3.04	1.33	0.07
		g	1.00			1" Ice	3.26	1.48	0.10
*****									
Commscope MTC3607	A	None		0.0000	127.00	No Ice	51.70	51.70	2.26
Platform w/ Reinforcing Kit						1/2" Ice	62.70	62.70	2.94
						1" Ice	73.70	73.70	3.61
(2) RRUS-32	A	From	4.00	0.0000	127.00	No Ice	3.31	2.42	0.08
		Centroid-Le	0.00			1/2" Ice	3.56	2.64	0.10
		g	4.00			1" Ice	3.81	2.86	0.14
(2) RRUS-32	B	From	4.00	0.0000	127.00	No Ice	3.31	2.42	0.08
		Centroid-Le	0.00			1/2" Ice	3.56	2.64	0.10
		g	4.00			1" Ice	3.81	2.86	0.14
(2) RRUS-32	C	From	4.00	0.0000	127.00	No Ice	3.31	2.42	0.08
		Centroid-Le	0.00			1/2" Ice	3.56	2.64	0.10
		g	4.00			1" Ice	3.81	2.86	0.14
EPBQ-654L8H8-L2	A	From	4.00	55.0000	127.00	No Ice	18.09	7.03	0.10
		Centroid-Le	0.00			1/2" Ice	18.72	7.62	0.19
		g	2.00			1" Ice	19.36	8.21	0.29
EPBQ-654L8H8-L2	B	From	4.00	55.0000	127.00	No Ice	18.09	7.03	0.10
		Centroid-Le	0.00			1/2" Ice	18.72	7.62	0.19
		g	2.00			1" Ice	19.36	8.21	0.29
EPBQ-654L8H8-L2	C	From	4.00	55.0000	127.00	No Ice	18.09	7.03	0.10
		Centroid-Le	0.00			1/2" Ice	18.72	7.62	0.19
		g	2.00			1" Ice	19.36	8.21	0.29
RRUS 11 B2	A	From	2.00	0.0000	127.00	No Ice	2.83	1.18	0.05
		Centroid-Le	0.00			1/2" Ice	3.04	1.33	0.07
		g	2.00			1" Ice	3.26	1.48	0.10
RRUS 11 B2	B	From	2.00	0.0000	127.00	No Ice	2.83	1.18	0.05
		Centroid-Le	0.00			1/2" Ice	3.04	1.33	0.07
		g	2.00			1" Ice	3.26	1.48	0.10
RRUS 11 B2	C	From	2.00	0.0000	127.00	No Ice	2.83	1.18	0.05
		Centroid-Le	0.00			1/2" Ice	3.04	1.33	0.07
		g	2.00			1" Ice	3.26	1.48	0.10
RRUS A2 MODULE	A	From	4.00	0.0000	127.00	No Ice	1.60	0.38	0.02
		Centroid-Le	0.00			1/2" Ice	1.76	0.47	0.03
		g	2.00			1" Ice	1.92	0.57	0.04
RRUS A2 MODULE	B	From	4.00	0.0000	127.00	No Ice	1.60	0.38	0.02
		Centroid-Le	0.00			1/2" Ice	1.76	0.47	0.03
		g	2.00			1" Ice	1.92	0.57	0.04
RRUS A2 MODULE	C	From	4.00	0.0000	127.00	No Ice	1.60	0.38	0.02

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Offsets: Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
		Centroid-Leg	0.00	2.00			1/2" Ice	1.76	0.47	0.03
							1" Ice	1.92	0.57	0.04
15"x7.5"x13" Box	A	From Centroid-Leg	4.00	0.00	0.0000	127.00	No Ice	1.30	0.87	0.10
							1/2" Ice	1.44	0.99	0.11
				2.00			1" Ice	1.59	1.11	0.13
15"x7.5"x13" Box	B	From Centroid-Leg	4.00	0.00	0.0000	127.00	No Ice	1.30	0.87	0.10
							1/2" Ice	1.44	0.99	0.11
				2.00			1" Ice	1.59	1.11	0.13
15"x7.5"x13" Box	C	From Centroid-Leg	4.00	0.00	0.0000	127.00	No Ice	1.30	0.87	0.10
							1/2" Ice	1.44	0.99	0.11
				2.00			1" Ice	1.59	1.11	0.13
OPA-65R-LCUU-H8	A	From Centroid-Leg	4.00	0.00	55.0000	127.00	No Ice	12.75	7.25	0.09
							1/2" Ice	13.33	7.82	0.16
				1.00			1" Ice	13.92	8.40	0.24
OPA-65R-LCUU-H8	B	From Centroid-Leg	4.00	0.00	55.0000	127.00	No Ice	12.75	7.25	0.09
							1/2" Ice	13.33	7.82	0.16
				1.00			1" Ice	13.92	8.40	0.24
OPA-65R-LCUU-H8	C	From Centroid-Leg	4.00	0.00	55.0000	127.00	No Ice	12.75	7.25	0.09
							1/2" Ice	13.33	7.82	0.16
				1.00			1" Ice	13.92	8.40	0.24
(2) LGP21903	A	From Centroid-Leg	4.00	0.00	0.0000	127.00	No Ice	1.10	0.21	0.01
							1/2" Ice	1.24	0.27	0.02
				1.00			1" Ice	1.38	0.35	0.03
(2) LGP21903	B	From Centroid-Leg	4.00	0.00	0.0000	127.00	No Ice	1.10	0.21	0.01
							1/2" Ice	1.24	0.27	0.02
				1.00			1" Ice	1.38	0.35	0.03
(2) LGP21903	C	From Centroid-Leg	4.00	0.00	0.0000	127.00	No Ice	1.10	0.21	0.01
							1/2" Ice	1.24	0.27	0.02
				1.00			1" Ice	1.38	0.35	0.03
800 10121	A	From Centroid-Leg	4.00	0.00	55.0000	127.00	No Ice	5.16	3.29	0.05
							1/2" Ice	5.51	3.64	0.08
				0.00			1" Ice	5.87	3.99	0.12
800 10121	B	From Centroid-Leg	4.00	0.00	55.0000	127.00	No Ice	5.16	3.29	0.05
							1/2" Ice	5.51	3.64	0.08
				0.00			1" Ice	5.87	3.99	0.12
800 10121	C	From Centroid-Leg	4.00	0.00	55.0000	127.00	No Ice	5.16	3.29	0.05
							1/2" Ice	5.51	3.64	0.08
				0.00			1" Ice	5.87	3.99	0.12
*****										
MTS 12.5' Co-Locational Platform w/ VZWSmart PLK1 Support Rail Kit [LP 301-1]	A	None			0.0000	117.50	No Ice	23.81	23.81	1.59
							1/2" Ice	30.24	30.24	2.10
							1" Ice	36.33	36.33	2.73
VZWSmart MSK2 Crossover Plate	A	From Centroid-Leg	4.00	0.00	0.0000	117.50	No Ice	0.83	0.03	0.01
							1/2" Ice	0.95	0.11	0.01
				0.00			1" Ice	1.07	0.18	0.02
VZWSmart MSK2 Crossover Plate	B	From Centroid-Leg	4.00	0.00	0.0000	117.50	No Ice	0.83	0.03	0.01
							1/2" Ice	0.95	0.11	0.01
				0.00			1" Ice	1.07	0.18	0.02
VZWSmart MSK2 Crossover Plate	C	From Centroid-Leg	4.00	0.00	0.0000	117.50	No Ice	0.83	0.03	0.01
							1/2" Ice	0.95	0.11	0.01
				0.00			1" Ice	1.07	0.18	0.02
DB-T1-6Z-8AB-0Z	B	From Centroid-Leg	4.00	0.00	0.0000	117.50	No Ice	4.80	2.00	0.05
							1/2" Ice	5.07	2.19	0.09
				4.50			1" Ice	5.35	2.39	0.13
DB-T1-6Z-8AB-0Z	C	From Centroid-Leg	4.00	0.00	0.0000	117.50	No Ice	4.80	2.00	0.05
							1/2" Ice	5.07	2.19	0.09

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
		g	4.50			1" Ice	5.35	2.39	0.13
(2) FD9R6004/2C-3L	A	From	4.00	0.0000	117.50	No Ice	0.31	0.08	0.00
		Centroid-Le	0.00			1/2" Ice	0.39	0.12	0.01
		g	1.50			1" Ice	0.47	0.17	0.01
(2) FD9R6004/2C-3L	B	From	4.00	0.0000	117.50	No Ice	0.31	0.08	0.00
		Centroid-Le	0.00			1/2" Ice	0.39	0.12	0.01
		g	1.50			1" Ice	0.47	0.17	0.01
(2) FD9R6004/2C-3L	C	From	4.00	0.0000	117.50	No Ice	0.31	0.08	0.00
		Centroid-Le	0.00			1/2" Ice	0.39	0.12	0.01
		g	1.50			1" Ice	0.47	0.17	0.01
CBC78T-DS-43-2X	A	From	4.00	0.0000	117.50	No Ice	0.37	0.51	0.02
		Centroid-Le	0.00			1/2" Ice	0.45	0.60	0.03
		g	1.50			1" Ice	0.53	0.70	0.04
CBC78T-DS-43-2X	B	From	4.00	0.0000	117.50	No Ice	0.37	0.51	0.02
		Centroid-Le	0.00			1/2" Ice	0.45	0.60	0.03
		g	1.50			1" Ice	0.53	0.70	0.04
CBC78T-DS-43-2X	C	From	4.00	0.0000	117.50	No Ice	0.37	0.51	0.02
		Centroid-Le	0.00			1/2" Ice	0.45	0.60	0.03
		g	1.50			1" Ice	0.53	0.70	0.04
B2/B66A	A	From	4.00	0.0000	117.50	No Ice	1.88	1.25	0.08
		Centroid-Le	0.00			1/2" Ice	2.05	1.39	0.10
		g	1.50			1" Ice	2.22	1.54	0.12
B2/B66A	B	From	4.00	0.0000	117.50	No Ice	1.88	1.25	0.08
		Centroid-Le	0.00			1/2" Ice	2.05	1.39	0.10
		g	1.50			1" Ice	2.22	1.54	0.12
B2/B66A	C	From	4.00	0.0000	117.50	No Ice	1.88	1.25	0.08
		Centroid-Le	0.00			1/2" Ice	2.05	1.39	0.10
		g	1.50			1" Ice	2.22	1.54	0.12
B5/B13 RRH	A	From	4.00	0.0000	117.50	No Ice	1.88	1.00	0.10
		Centroid-Le	0.00			1/2" Ice	2.05	1.13	0.11
		g	1.50			1" Ice	2.22	1.27	0.13
B5/B13 RRH	B	From	4.00	0.0000	117.50	No Ice	1.88	1.00	0.10
		Centroid-Le	0.00			1/2" Ice	2.05	1.13	0.11
		g	1.50			1" Ice	2.22	1.27	0.13
B5/B13 RRH	C	From	4.00	0.0000	117.50	No Ice	1.88	1.00	0.10
		Centroid-Le	0.00			1/2" Ice	2.05	1.13	0.11
		g	1.50			1" Ice	2.22	1.27	0.13
LNX-6514DS-VTM w/ Mount Pipe	A	From	4.00	0.0000	117.50	No Ice	8.17	6.83	0.06
		Centroid-Le	0.00			1/2" Ice	8.63	7.79	0.13
		g	0.50			1" Ice	9.10	8.62	0.20
LNX-6514DS-VTM w/ Mount Pipe	B	From	4.00	0.0000	117.50	No Ice	8.17	6.83	0.06
		Centroid-Le	0.00			1/2" Ice	8.63	7.79	0.13
		g	0.50			1" Ice	9.10	8.62	0.20
LNX-6514DS-VTM w/ Mount Pipe	C	From	4.00	0.0000	117.50	No Ice	8.17	6.83	0.06
		Centroid-Le	0.00			1/2" Ice	8.63	7.79	0.13
		g	0.50			1" Ice	9.10	8.62	0.20
(2) JAHH-65B-R3B w/ Mount Pipe	A	From	4.00	0.0000	117.50	No Ice	9.35	7.65	0.09
		Centroid-Le	0.00			1/2" Ice	9.92	8.83	0.16
		g	0.50			1" Ice	10.46	9.73	0.25
(2) JAHH-65B-R3B w/ Mount Pipe	B	From	4.00	0.0000	117.50	No Ice	9.35	7.65	0.09
		Centroid-Le	0.00			1/2" Ice	9.92	8.83	0.16
		g	0.50			1" Ice	10.46	9.73	0.25
(2) JAHH-65B-R3B w/ Mount Pipe	C	From	4.00	0.0000	117.50	No Ice	9.35	7.65	0.09
		Centroid-Le	0.00			1/2" Ice	9.92	8.83	0.16
		g	0.50			1" Ice	10.46	9.73	0.25
MT6407-77A w/ 6' x P2.5 Std Mount Pipe	A	From	4.00	0.0000	117.50	No Ice	4.91	2.68	0.10
		Centroid-Le	0.00			1/2" Ice	5.26	3.14	0.14

Description	*Face or Leg*	*Offset Type*	*Offsets: Horz Lateral ft Vert ft ft*	*Azimuth Adjustment* °	*Placement* ft		*C_AA_A Front* ft^2	*C_AA_A Side* ft^2	*Weight* K
		g	0.50			1" Ice	5.61	3.62	0.18
MT6407-77A w/ 6' x P2.5 Std Mount Pipe	B	From Centroid-Le g	4.00 0.00 0.50	0.0000	117.50	No Ice 1/2" Ice 1" Ice	4.91 5.26 5.61	2.68 3.14 3.62	0.10 0.14 0.18
MT6407-77A w/ 6' x P2.5 Std Mount Pipe	C	From Centroid-Le g	4.00 0.00 0.50	0.0000	117.50	No Ice 1/2" Ice 1" Ice	4.91 5.26 5.61	2.68 3.14 3.62	0.10 0.14 0.18
BSAMNT-SBS-2-2	A	From Centroid-Le g	4.00 0.00 0.50	0.0000	117.50	No Ice 1/2" Ice 1" Ice	0.11 0.15 0.21	0.00 0.03 0.08	0.01 0.02 0.02
BSAMNT-SBS-2-2	B	From Centroid-Le g	4.00 0.00 0.50	0.0000	117.50	No Ice 1/2" Ice 1" Ice	0.11 0.15 0.21	0.00 0.03 0.08	0.01 0.02 0.02
BSAMNT-SBS-2-2	C	From Centroid-Le g	4.00 0.00 0.50	0.0000	117.50	No Ice 1/2" Ice 1" Ice	0.11 0.15 0.21	0.00 0.03 0.08	0.01 0.02 0.02
*****									
Andrew Collar Mount	A	None		0.0000	63.50	No Ice 1/2" Ice 1" Ice	2.14 2.35 2.57	2.14 2.35 2.57	0.19 0.25 0.30
DS4C03CS36U-N	A	From Leg	1.00 0.00 2.50	0.0000	63.50	No Ice 1/2" Ice 1" Ice	1.06 1.51 1.84	1.06 1.51 1.84	0.01 0.02 0.03
DS4C03CS36U-N	B	From Leg	1.00 0.00 2.50	0.0000	63.50	No Ice 1/2" Ice 1" Ice	1.06 1.51 1.84	1.06 1.51 1.84	0.01 0.02 0.03
*****									
Andrew Collar Mount	A	None		0.0000	18.00	No Ice 1/2" Ice 1" Ice	2.14 2.35 2.57	2.14 2.35 2.57	0.19 0.25 0.30
SP7C03CS36U-N	A	From Leg	1.00 0.00 1.50	0.0000	18.00	No Ice 1/2" Ice 1" Ice	0.52 0.71 0.90	0.52 0.71 0.90	0.01 0.01 0.02
SP7C03CS36U-N	B	From Leg	1.00 0.00 1.50	0.0000	18.00	No Ice 1/2" Ice 1" Ice	0.52 0.71 0.90	0.52 0.71 0.90	0.01 0.01 0.02
DS4C00F36U-D	C	From Leg	1.00 0.00 1.50	0.0000	18.00	No Ice 1/2" Ice 1" Ice	0.47 0.65 0.83	0.47 0.65 0.83	0.01 0.01 0.02
*****									
Andrew Collar Mount	A	None		0.0000	14.50	No Ice 1/2" Ice 1" Ice	2.14 2.35 2.57	2.14 2.35 2.57	0.19 0.25 0.30
DS4C03CS36U-N	A	From Leg	1.00 0.00 2.50	0.0000	14.50	No Ice 1/2" Ice 1" Ice	1.06 1.51 1.84	1.06 1.51 1.84	0.01 0.02 0.03
DS1X00CS36U-N	B	From Leg	1.00 0.00 2.50	0.0000	14.50	No Ice 1/2" Ice 1" Ice	1.38 1.74 2.08	1.38 1.74 2.08	0.02 0.03 0.04

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft²	Weight K
SC3-W100A	A	Paraboloid w/Shroud (HP)	From Centroid -Leg	1.00 0.00 2.50	44.5000		159.00	3.00	No Ice 1/2" Ice 1" Ice	7.07 7.47 7.86	0.40 0.44 0.48
SC3-W100A	C	Paraboloid w/Shroud (HP)	From Centroid -Leg	1.00 0.00 2.50	-15.6500		159.00	3.00	No Ice 1/2" Ice 1" Ice	7.07 7.47 7.86	0.40 0.44 0.48

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 146.5	24.494	47	1.5219	0.0033
L2	149.25 - 95.75	21.100	47	1.4825	0.0019
L3	100.25 - 46.75	8.426	47	0.9029	0.0004
L4	53.25 - 0	2.110	47	0.3775	0.0001

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
161.50	SC3-W100A	47	24.494	1.5219	0.0033	15513
160.50	12.5' Handrail Kit	47	24.494	1.5219	0.0033	15513
159.00	(3) Andrew 5' T-Arms	47	24.175	1.5191	0.0031	15513
158.00	Sabre 12' LP Platform	47	23.857	1.5162	0.0030	15513
154.00	Andrew Collar Mount	47	22.587	1.5033	0.0025	12928
149.50	Site Pro 1 HRK12-U Support Rail Kit	47	21.177	1.4838	0.0020	7831
147.00	Sabre 12' LP Platform	47	20.407	1.4694	0.0017	7044
146.00	Site Pro 1 HRK12-U Support Rail Kit	47	20.102	1.4629	0.0016	6886
132.00	Andrew Collar Mount	47	16.026	1.3330	0.0007	5689
127.00	Commscope MTC3607 Platform w/ Reinforcing Kit	47	14.667	1.2729	0.0006	5360
117.50	MTS 12.5' Co-Locational Platform w/ VZWSmart PLK1 Support Rail Kit [LP 301-1]	47	12.241	1.1461	0.0004	4830
63.50	Andrew Collar Mount	47	3.022	0.4727	0.0002	5174
18.00	Andrew Collar Mount	47	0.409	0.1141	0.0000	16521
14.50	Andrew Collar Mount	47	0.318	0.0914	0.0000	20509

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 146.5	134.551	18	8.3785	0.0158
L2	149.25 - 95.75	115.966	18	8.1685	0.0092
L3	100.25 - 46.75	46.396	18	4.9781	0.0020

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L4	53.25 - 0	11.619	18	2.0803	0.0006

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
161.50	SC3-W100A	18	134.551	8.3785	0.0178	2981
160.50	12.5' Handrail Kit	18	134.551	8.3785	0.0178	2981
159.00	(3) Andrew 5' T-Arms	18	132.806	8.3635	0.0173	2981
158.00	Sabre 12' LP Platform	18	131.062	8.3483	0.0167	2981
154.00	Andrew Collar Mount	18	124.112	8.2801	0.0144	2484
149.50	Site Pro 1 HRK12-U Support Rail Kit	18	116.390	8.1755	0.0121	1502
147.00	Sabre 12' LP Platform	18	112.171	8.0976	0.0109	1349
146.00	Site Pro 1 HRK12-U Support Rail Kit	18	110.499	8.0622	0.0104	1317
132.00	Andrew Collar Mount	18	88.148	7.3507	0.0057	1074
127.00	Commscope MTC3607 Platform w/ Reinforcing Kit	18	80.689	7.0195	0.0046	1008
117.50	MTS 12.5' Co-Locational Platform w/ VZWSmart PLK1 Support Rail Kit [LP 301-1]	18	67.368	6.3209	0.0031	902
63.50	Andrew Collar Mount	18	16.650	2.6051	0.0011	943
18.00	Andrew Collar Mount	18	2.252	0.6284	0.0001	2998
14.50	Andrew Collar Mount	18	1.753	0.5035	0.0001	3721

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	160 - 146.5 (1)	TP20.91x16.75x0.1875	13.50	0.00	0.0	11.8282	-5.32	865.69	0.006
L2	146.5 - 95.75 (2)	TP36.16x19.6876x0.25	53.50	0.00	0.0	27.3952	-23.73	1841.20	0.013
L3	95.75 - 46.75 (3)	TP50.76x34.2745x0.3125	53.50	0.00	0.0	48.0510	-36.01	3077.94	0.012
L4	46.75 - 0 (4)	TP64.53x48.1321x0.375	53.25	0.00	0.0	76.3605	-56.01	4662.89	0.012

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	160 - 146.5 (1)	TP20.91x16.75x0.1875	73.03	353.25	0.207	0.00	353.25	0.000
L2	146.5 - 95.75 (2)	TP36.16x19.6876x0.25	1218.92	1307.93	0.932	0.00	1307.93	0.000
L3	95.75 - 46.75 (3)	TP50.76x34.2745x0.3125	2843.69	3070.47	0.926	0.00	3070.47	0.000
L4	46.75 - 0 (4)	TP64.53x48.1321x0.375	4916.82	6163.78	0.798	0.00	6163.78	0.000

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	160 - 146.5 (1)	TP20.91x16.75x0.1875	8.47	432.84	0.020	0.56	708.37	0.001
L2	146.5 - 95.75 (2)	TP36.16x19.6876x0.25	32.63	920.60	0.035	0.37	2621.93	0.000
L3	95.75 - 46.75 (3)	TP50.76x34.2745x0.3125	36.62	1538.97	0.024	0.48	6154.45	0.000
L4	46.75 - 0 (4)	TP64.53x48.1321x0.375	41.30	2331.45	0.018	0.58	12353.58	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	160 - 146.5 (1)	0.006	0.207	0.000	0.020	0.001	0.213	1.000	4.8.2
L2	146.5 - 95.75 (2)	0.013	0.932	0.000	0.035	0.000	0.946	1.000	4.8.2
L3	95.75 - 46.75 (3)	0.012	0.926	0.000	0.024	0.000	0.938	1.000	4.8.2
L4	46.75 - 0 (4)	0.012	0.798	0.000	0.018	0.000	0.810	1.000	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	160 - 146.5	Pole	TP20.91x16.75x0.1875	1	-5.32	865.69	21.3	Pass
L2	146.5 - 95.75	Pole	TP36.16x19.6876x0.25	2	-23.73	1841.20	94.6	Pass
L3	95.75 - 46.75	Pole	TP50.76x34.2745x0.3125	3	-36.01	3077.94	93.8	Pass
L4	46.75 - 0	Pole	TP64.53x48.1321x0.375	4	-56.01	4662.89	81.0	Pass
							Summary	
						Pole (L2)	94.6	Pass
						RATING =	**94.6**	**Pass**

ADDITIONAL CALCULATIONS

Anchor Rod and Base Plate Stresses, TIA-222-G-1
CT33762-M 500 Highland Ave / Light Tower
2021778.33762.15 Rev. 2

Overturning Moment =	4916.82	k*ft
Axial Force =	56.01	k
Shear Force =	41.30	k

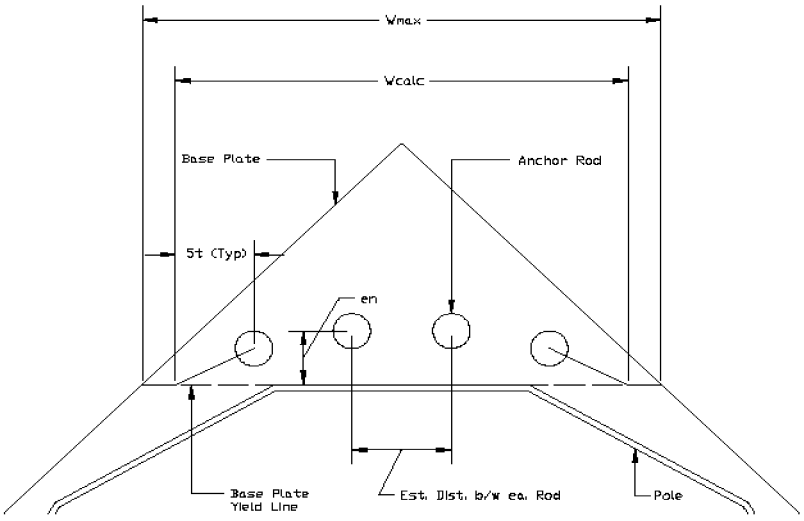
Acceptable Stress Ratio =	105.0%

Anchor Rods		
Pole Diameter =	64.53	in
Number of Rods =	16	
ϕ =	0.8	
Rod Ultimate Strength (F_u) =	100	ksi
Base Plate Detail Type* =	d	
Rod Circle =	72	in
Rod Diameter =	2.25	in
Net Tensile Area =	3.25	in^2
Max Tension on Rod =	200.55	kips
Max Compression on Rod =	207.56	kips
P_u =	207.56	kips
V_u =	2.58	kips
η =	0.50	
$P_u + V_u / \eta$ =	212.72	kips
φR_{nt} =	260.00	kips
Anchor Rod Capacity =	**81.8%**	**OK**

(Section 4.9.9, TIA-222-G-1)

Base Plate		
Plate Strength (Fy) =	60	ksi
ϕ =	0.9	
Plate Thickness =	3	in
Plate Width =	70	in
Est. Dist. b/w ea. Rod =	6	in
w_{calc} =	47.83	in
w_{max} =	34.46	in
w =	34.46	in
Z =	77.55	in^3
M_u =	2553.63	k-in
φM_n =	4187.49	k-in
Base Plate Capacity =	**61.0%**	**OK**

***This analysis assumes the clear distance from the top of the concrete to the bottom of the leveling nut is less than the diameter of the anchor rod. Notify GPD Group immediately if existing field conditions do not meet this assumption.**



Mat Foundation Analysis
CT33762-M ; 500 Highland Ave / Light Tower
2021778.33762.15 Rev. 2

General Info	
Foundation Criteria	GPD
TIA Code	TIA-222-G
Soil Code	AASHTO 2012
Concrete Code	ACI 318-11
Seismic Design Category	B
Tower Height	160 ft
Bearing On	Soil
Foundation Type	Monopole Pad
Pier Type	Round
Reinforcing Known	Yes
Max Bearing Capacity	105%
Max Overturning Capacity	105%

Tower Reactions	
Moment, M	4916.82 k-ft
Axial, P	56.01 k
Shear, V	41.3 k

Pad & Pier Geometry	
Pier Diameter, ø	8 ft
Pad Length, L [y]	27 ft
Pad Width, W [x]	27 ft
Pad Thickness, t	5 ft
Depth, D	5 ft
Height Above Grade, HG	5 ft
Tower Centroid, X	13.5 ft
Tower Centroid, Y	13.5 ft
Tower Eccentricity	0.0000 ft

Pad & Pier Reinforcing	
Rebar Fy	60 ksi
Concrete F'c	4 ksi
Pier Reinforcing Clear Cover	4 in
Shear Rebar Type	Tie
Shear Rebar Size	# 4
Pad Reinforcing Clear Cover	3 in
Reinforced Top & Bottom?	Yes
Top and Bot. Reinf. Different?	No
Pad Reinforcing Size	# 8
Pad Quantity Per Layer	42
Pier Rebar Size	# 9
Pier Quantity of Rebar	38

Soil Properties	
Soil Type	Cohesive
Soil Unit Weight	120 pcf
Cohesion, Cu (ksf)	1.5
Base Friction Coeff. Provided in Geo?	Yes
Base Friction Coefficient, µ	0.35
Bearing Type	Net
Ultimate Bearing	9 ksf
Water Table Depth	99 ft
Neglected Depth	3.5 ft

GPD Mat Foundation Analysis - V4.4

Bearing Summary

Case	*Demand/Limits*	*Capacity/Availability*	*Check*	*Eccentricity*	*Load Case*
Qxmax	2.52 ksf	7.20 ksf	OK, <= 105%	L/2.9	0.9D+1.6W
Qymax	2.52 ksf	7.20 ksf	OK, <= 105%	W/2.9	0.9D+1.6W
Qmax @ 45°	2.98 ksf	7.20 ksf	OK, <= 105%	W/4.1	0.9D+1.6W
Controlling Capacity		**41.4%**	**Pass**		

Overturning Summary

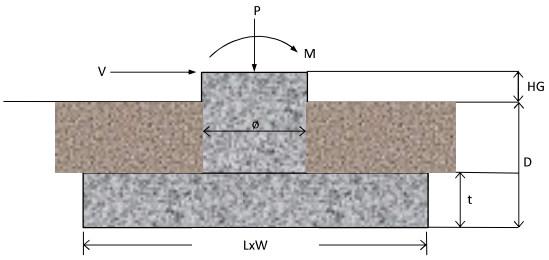
Case	*Demand/Limits*	*Capacity/Availability*	*Check*		*Load Case*
Ovtx	5299.5 k-ft	10224.2 k-ft	69.1%	OK	0.9D+1.6W
Ovty	5299.5 k-ft	10224.2 k-ft	69.1%	OK	0.9D+1.6W
Ovtxy	3747.3 k-ft	10224.2 k-ft	48.9%	OK	0.9D+1.6W
Controlling Capacity		**69.1%**	**Pass**		

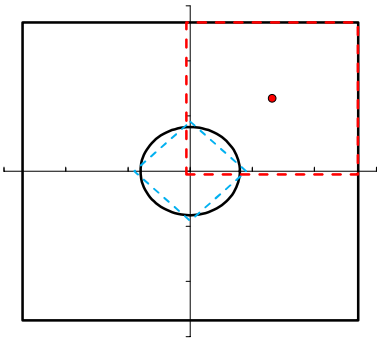
Sliding Summary

Case	*Demand/Limits*	*Capacity/Availability*	*Check*		*Load Case*
Slidingx	41.3 k	255.7 k	16.2%	OK	0.9D+1.6W
Slidingy	41.3 k	255.7 k	16.2%	OK	0.9D+1.6W
Controlling Capacity		**16.2%**	**Pass**		

Reinforcement Summary

Component	*Demand/Limits*	*Capacity/Availability*	*Check*		*Load Case*
Pad Flexural Bending	2238.0 k-ft	8151.8 k-ft	27.5%	OK	0.9D+1.6W
One-Way Shear in Pad	267.6 k	1705.9 k	15.7%	OK	0.9D+1.6W
Two-Way Shear in Pad	692.6 k	5921.4 k	11.7%	OK	0.9D+1.6W
Compression on Pier	101.2 k	31993.0 k	0.3%	OK	1.2D+1.6W
Moment on Pier	5123.3 k-ft	7148.7 k-ft	71.7%	OK	1.2D+1.6W
As Min Pad Met?	2.46 sq. in.	0.23 sq. in.	Yes		
As Min Pier Met?	38.00 sq. in.	24.10 sq. in.	Yes		
Controlling Capacity		**71.7%**	**Pass**		





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

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10065188
Maser Consulting Connecticut Project #: 21777331A

June 9, 2021

Site Information	*Site ID:*	*468599-VZW / CHESHIRE NE CT*
	Site Name:	*CHESHIRE NE CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*500 Highland Ave* *Cheshire, Connecticut 06410* *New Haven County*
	Latitude:	*41.511194°*
	Longitude:	*-72.898458°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*12.50-Ft Platform*

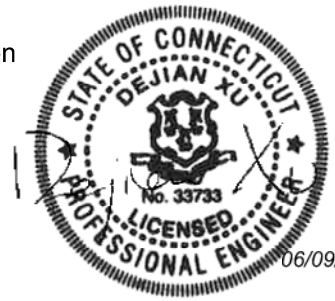
FUZE ID # 16244732

Analysis Results

Platform: **40.5% 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: Selene Chen



06/09/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 674857, dated February 9, 2021*
Mount Mapping Report	*RKS Design & Engineering LLC., Site ID: SBA: CT33762, dated March 21, 2021*
Mount Analysis Report	*Maser Consulting Connecticut, Project #: 21777331A, dated April 15, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21777331A, dated June 9, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust),	118 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.993
Seismic Parameters:	S_S:	0.200
	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
			Raycap		Retained
			Andrew		
			Samsung		Added
			Samsung		
			Commscope		
			Samsung		
			Commscope		

* Equipment is currently mounted directly to the Monopole. They are not mounted on the Platform mount and are not included in this mount analysis.

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

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	*14.2%*	*Pass*
Standoff Horizontal	*30.8%*	*Pass*
Corner Plate	*14.8%*	*Pass*
Platform Crossmember	*16.6%*	*Pass*
Grating Support	*12.3%*	*Pass*
Mount Pipe	*29.4%*	*Pass*
Cross Arm Plate	*33.9%*	*Pass*
Support Rail	*16.2%*	*Pass*
Support Rail Corner	*24.7%*	*Pass*
Connection Check	*40.5%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**40.5%**

Recommendation:

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

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

Attachments:

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


03/21/

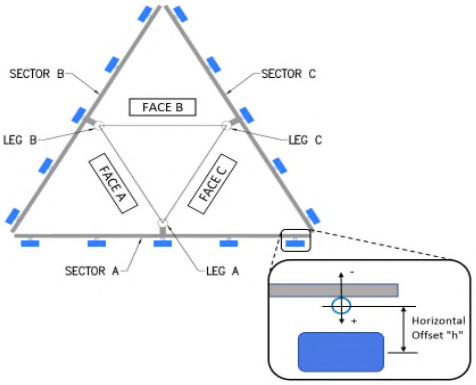

3/21/2021

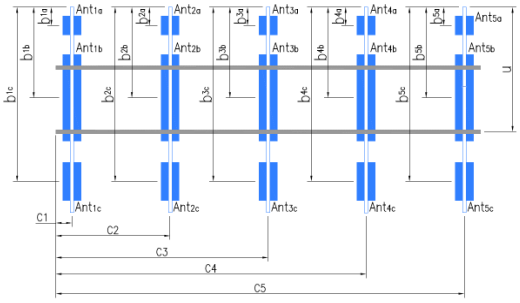
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

Tower Owner:	SBA	**Mapping Date:**	3/21/2021
Site Name:	VZW: Cheshire Ne Ct.	**Tower Type:**	Monopole
Site Number or ID:	SBA: CT33762	**Tower Height (Ft.):**	UNKNOWN
Mapping Contractor:	RKS Design & Engineering LLC.	**Mount Elevation (Ft.):**	117.33

Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.





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."
	PIPE 2.375"Ø X 0.15" X 72" Long				PIPE 2.375"Ø X 0.15" X 72" Long		
	PIPE 2.375"Ø X 0.15" X 72" Long				PIPE 2.375"Ø X 0.15" X 72" Long		
	PIPE 2.375"Ø X 0.15" X 72" Long				PIPE 2.375"Ø X 0.15" X 72" Long		
	PIPE 2.375"Ø X 0.15" X 72" Long				PIPE 2.375"Ø X 0.15" X 72" Long		
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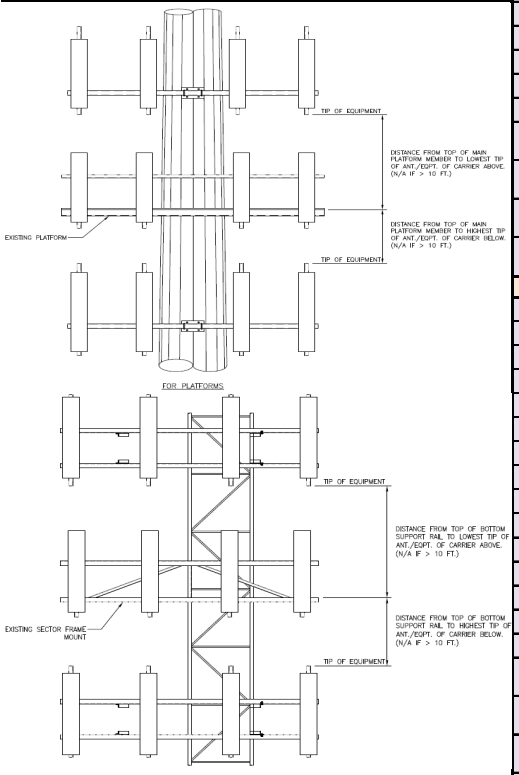
	PIPE 2.375"Ø X 0.15" X 72" Long						
	PIPE 2.375"Ø X 0.15" X 72" Long						

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
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.):

	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 , b b , b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant										
Ant_{1b}										
Ant_{1c}										
Ant										
Ant_{2b}										
Ant_{2c}										
Ant										
Ant_{3b}										
Ant_{3c}										
Ant										
Ant_{4b}										
Ant_{4c}										
Ant										
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:		Deg	Leg A:		Deg
Sector B:		Deg	Leg B:		Deg
Sector C:		Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

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



Sector B											
Ant											
Ant_{1b}											
Ant_{1c}											
Ant											
Ant_{2b}											
Ant_{2c}											
Ant											
Ant_{3b}											
Ant_{3c}											
Ant											
Ant_{4b}											
Ant_{4c}											
Ant											
Ant_{5b}											
Ant_{5c}											
Ant on Standoff											
Ant on Standoff											
Ant on Tower											
Ant on Tower											

Sector C											
Ant											
Ant_{1b}											
Ant_{1c}											
Ant											
Ant_{2b}											
Ant_{2c}											
Ant											
Ant_{3b}											
Ant_{3c}											
Ant											
Ant_{4b}											
Ant_{4c}											
Ant											
Ant_{5b}											
Ant_{5c}											
Ant on Standoff											
Ant on Standoff											
Ant on Tower											
Ant on Tower											

Sector D											
Ant											
Ant_{1b}											
Ant_{1c}											
Ant											
Ant_{2b}											
Ant_{2c}											
Ant											
Ant_{3b}											
Ant_{3c}											
Ant											
Ant_{4b}											
Ant_{4c}											
Ant											
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 #

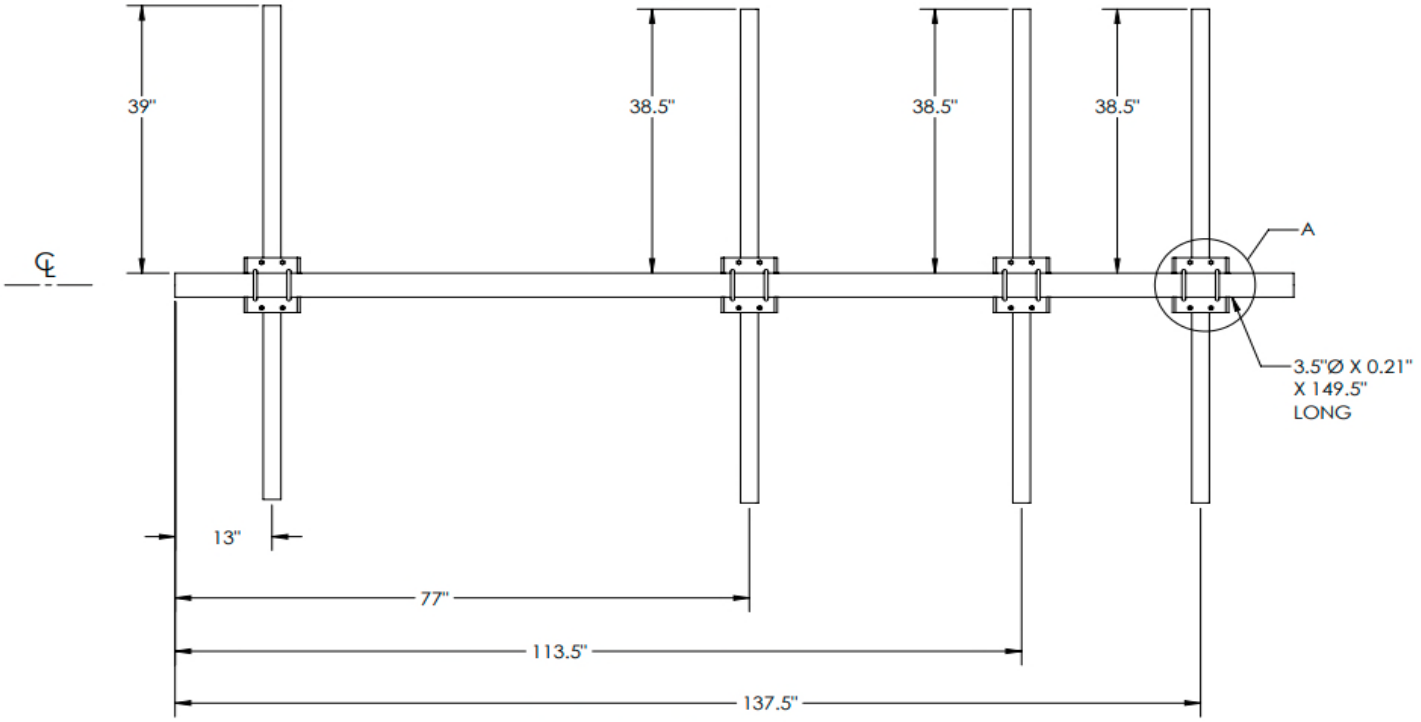
Mapping Notes
1. Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.)
2. If the thickness of the existing pipes or tubing can't be obtained from a general tool (such as Caliper), please use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

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

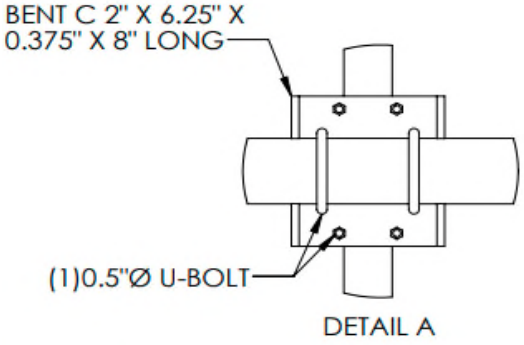
Antenna Mount Mapping Form (PATENT PENDING)

Tower Owner:	SBA	**Mapping Date:**	3/21/2021
Site Name:	VZW: Cheshire Ne Ct.	**Tower Type:**	Monopole
Site Number or ID:	SBA: CT33762	**Tower Height (Ft.):**	UNKNOWN
Mapping Contractor:	RKS Design & Engineering LLC.	**Mount Elevation (Ft.):**	117.33

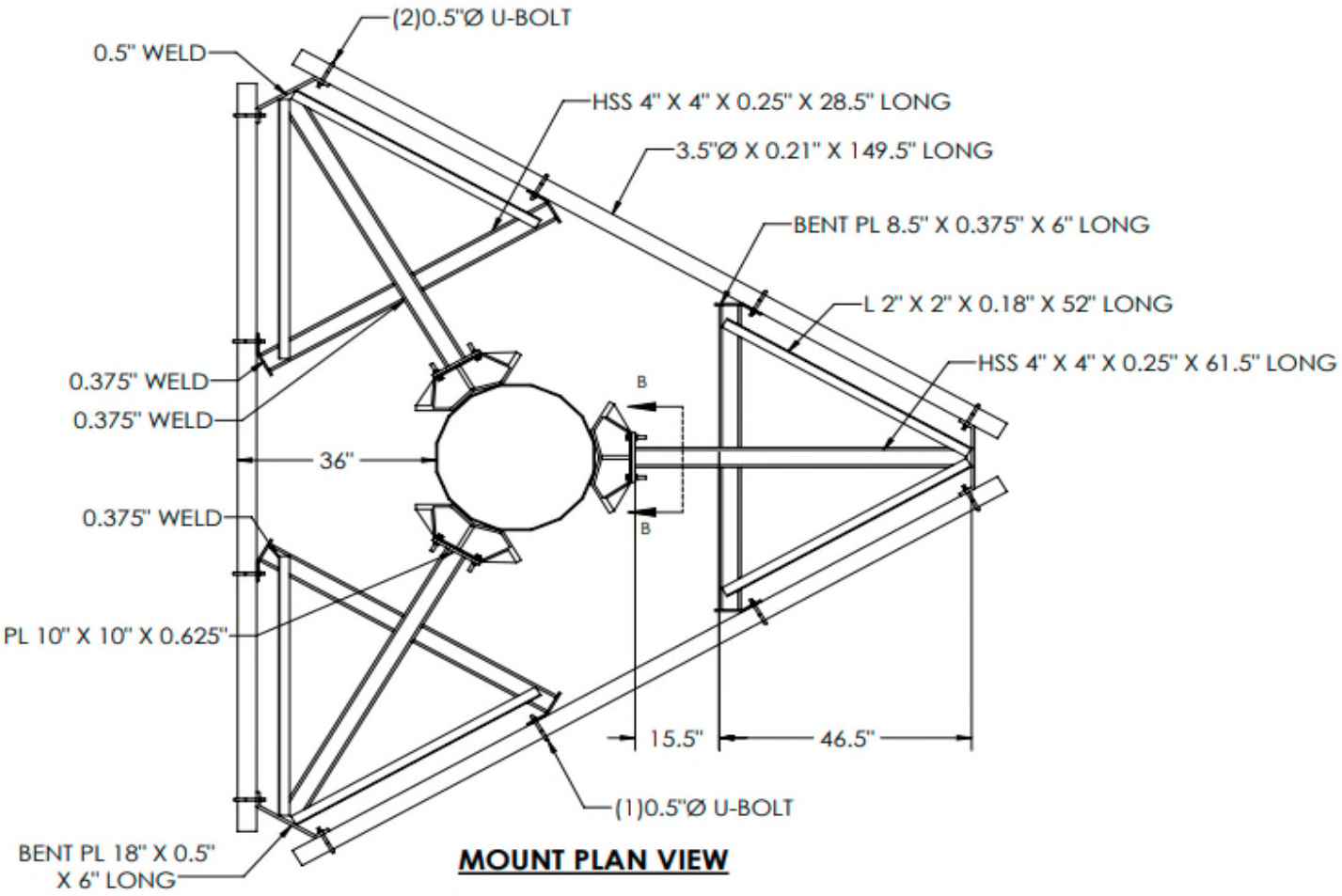
Please Insert Sketches of the Antenna Mount



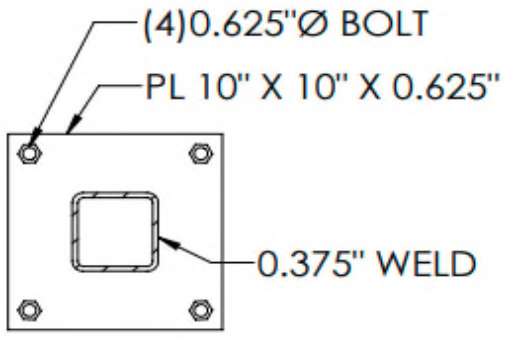
SECTOR:A-B-C



Please Insert Sketches of the Antenna Mount, cont'd

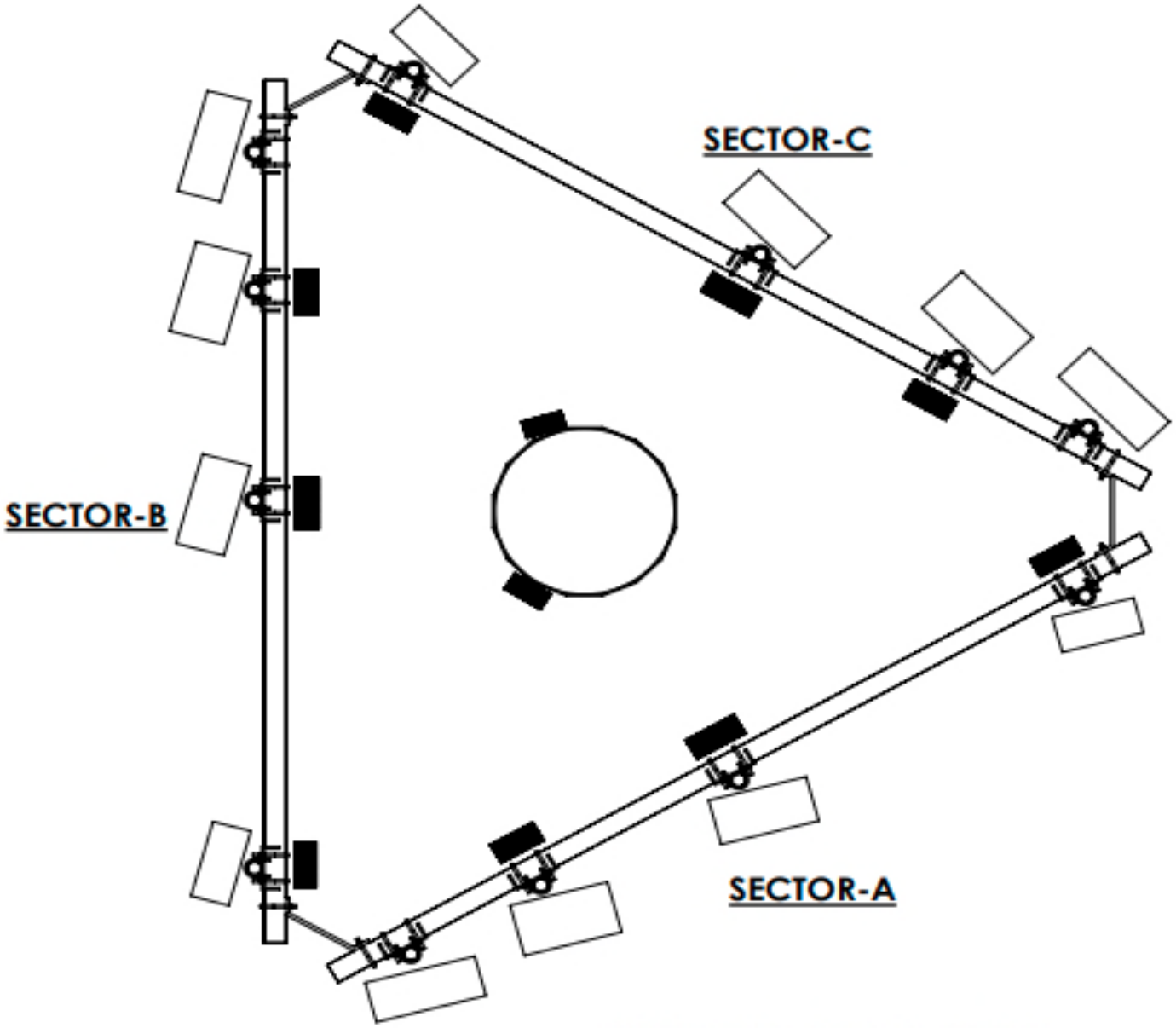


MOUNT PLAN VIEW

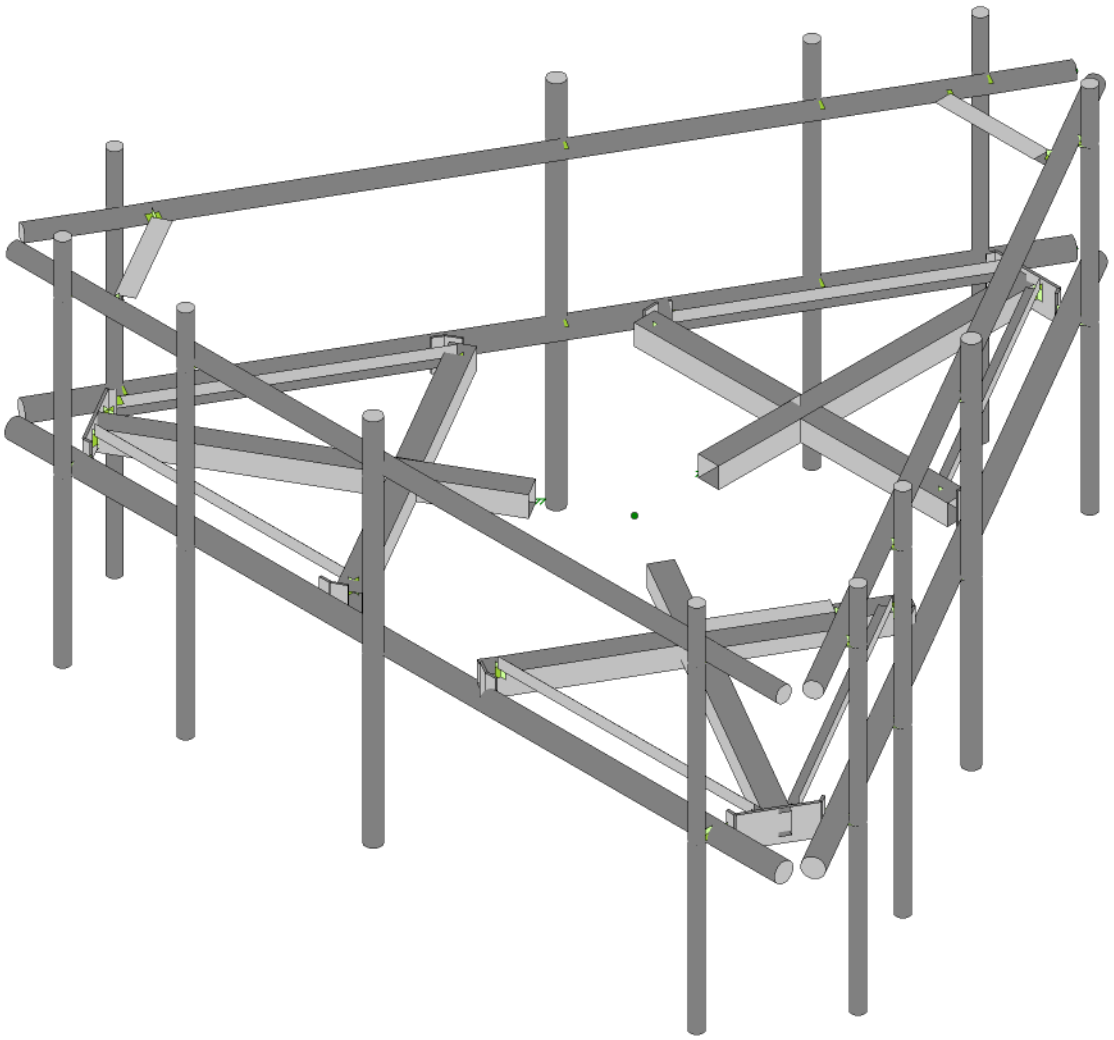


SECTION B-B

Please Insert Sketches of the Antenna Mount, cont'd

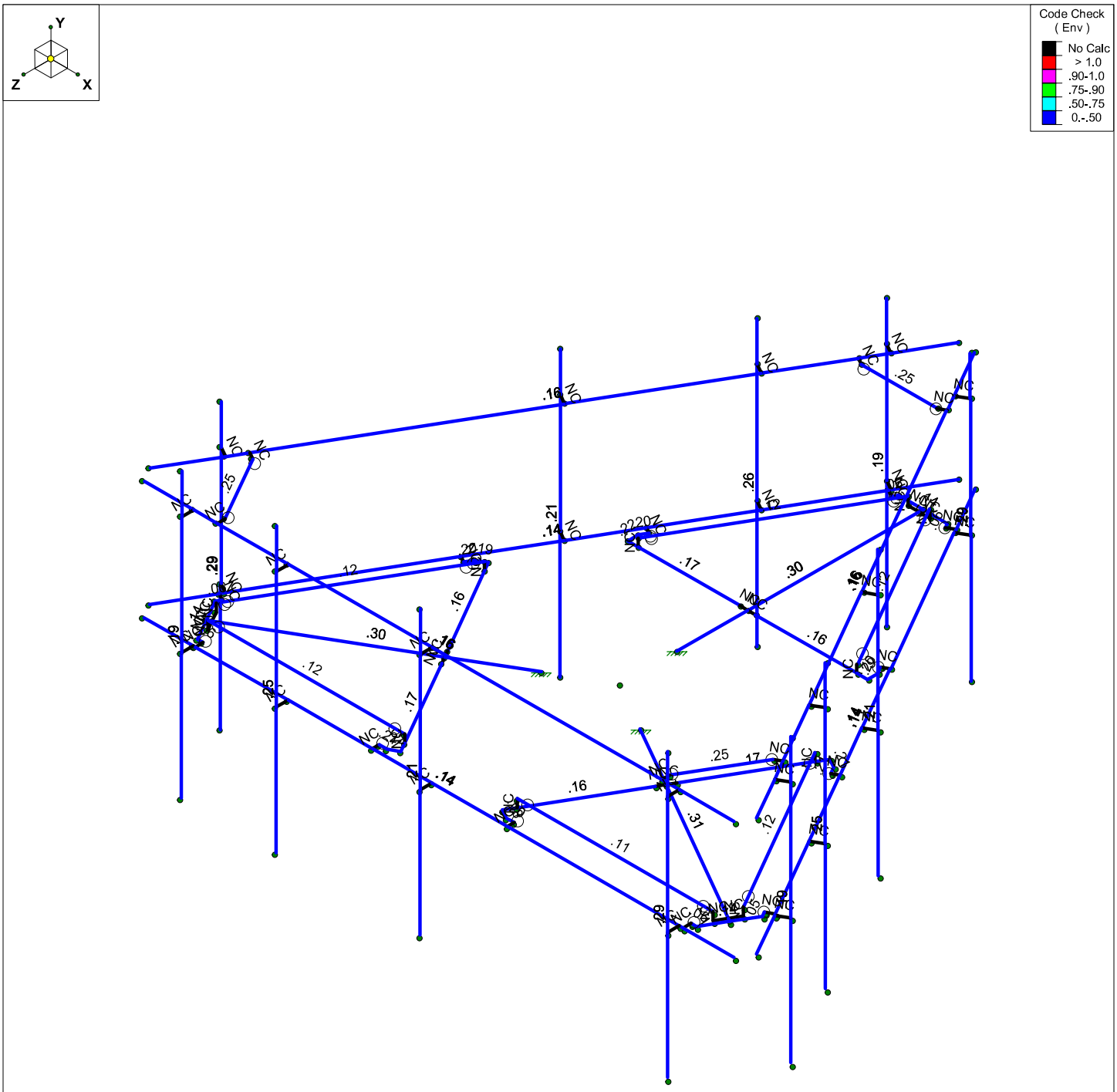


ANTENNA PLAN VIEW



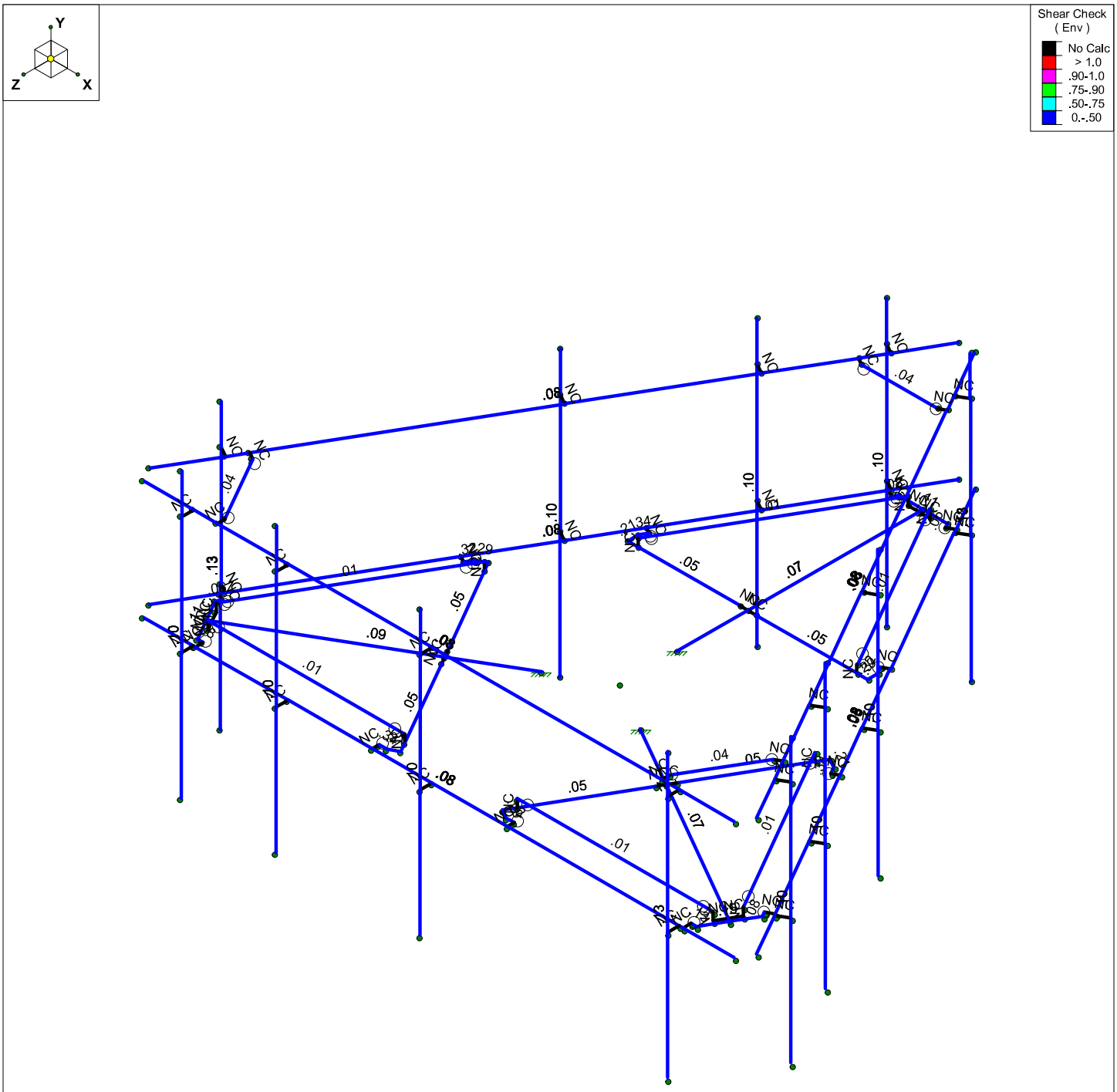
Envelope Only Solution

		SK - 1
		June 7, 2021 at 5:23 PM
		LOADED_468599-VZW_MT_LO_H....



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 2
		June 7, 2021 at 5:24 PM
		LOADED_468599-VZW_MT_LO_H....



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		June 7, 2021 at 5:24 PM
		LOADED_468599-VZW_MT_LO_H....

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					99			
2	Antenna Di	None					99			
3	Antenna Wo (0 Deg)	None					99			
4	Antenna Wo (30 Deg)	None					99			
5	Antenna Wo (60 Deg)	None					99			
6	Antenna Wo (90 Deg)	None					99			
7	Antenna Wo (120 Deg)	None					99			
8	Antenna Wo (150 Deg)	None					99			
9	Antenna Wo (180 Deg)	None					99			
10	Antenna Wo (210 Deg)	None					99			
11	Antenna Wo (240 Deg)	None					99			
12	Antenna Wo (270 Deg)	None					99			
13	Antenna Wo (300 Deg)	None					99			
14	Antenna Wo (330 Deg)	None					99			
15	Antenna Wi (0 Deg)	None					99			
16	Antenna Wi (30 Deg)	None					99			
17	Antenna Wi (60 Deg)	None					99			
18	Antenna Wi (90 Deg)	None					99			
19	Antenna Wi (120 Deg)	None					99			
20	Antenna Wi (150 Deg)	None					99			
21	Antenna Wi (180 Deg)	None					99			
22	Antenna Wi (210 Deg)	None					99			
23	Antenna Wi (240 Deg)	None					99			
24	Antenna Wi (270 Deg)	None					99			
25	Antenna Wi (300 Deg)	None					99			
26	Antenna Wi (330 Deg)	None					99			
27	Antenna Wm (0 Deg)	None					99			
28	Antenna Wm (30 Deg)	None					99			
29	Antenna Wm (60 Deg)	None					99			
30	Antenna Wm (90 Deg)	None					99			
31	Antenna Wm (120 De...	None					99			
32	Antenna Wm (150 De...	None					99			
33	Antenna Wm (180 De...	None					99			
34	Antenna Wm (210 De...	None					99			
35	Antenna Wm (240 De...	None					99			
36	Antenna Wm (270 De...	None					99			
37	Antenna Wm (300 De...	None					99			
38	Antenna Wm (330 De...	None					99			
39	Structure D	None		-1					3	
40	Structure Di	None						57	3	
41	Structure Wo (0 Deg)	None						114		
42	Structure Wo (30 Deg)	None						114		
43	Structure Wo (60 Deg)	None						114		
44	Structure Wo (90 Deg)	None						114		
45	Structure Wo (120 D...	None						114		
46	Structure Wo (150 D...	None						114		
47	Structure Wo (180 D...	None						114		
48	Structure Wo (210 D...	None						114		
49	Structure Wo (240 D...	None						114		
50	Structure Wo (270 D...	None						114		
51	Structure Wo (300 D...	None						114		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
52	Structure Wo (330 D...	None						114		
53	Structure Wi (0 Deg)	None						114		
54	Structure Wi (30 Deg)	None						114		
55	Structure Wi (60 Deg)	None						114		
56	Structure Wi (90 Deg)	None						114		
57	Structure Wi (120 De...	None						114		
58	Structure Wi (150 De...	None						114		
59	Structure Wi (180 De...	None						114		
60	Structure Wi (210 De...	None						114		
61	Structure Wi (240 De...	None						114		
62	Structure Wi (270 De...	None						114		
63	Structure Wi (300 De...	None						114		
64	Structure Wi (330 De...	None						114		
65	Structure Wm (0 Deg)	None						114		
66	Structure Wm (30 D...	None						114		
67	Structure Wm (60 D...	None						114		
68	Structure Wm (90 D...	None						114		
69	Structure Wm (120 ...	None						114		
70	Structure Wm (150 ...	None						114		
71	Structure Wm (180 ...	None						114		
72	Structure Wm (210 ...	None						114		
73	Structure Wm (240 ...	None						114		
74	Structure Wm (270 ...	None						114		
75	Structure Wm (300 ...	None						114		
76	Structure Wm (330 ...	None						114		
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	Solve	PDelta	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0Wo (0...	Yes	Y		1	1.2	39	1.2	3	1	41	1										
2	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	4	1	42	1										
3	1.2D+1.0Wo (6...	Yes	Y		1	1.2	39	1.2	5	1	43	1										
4	1.2D+1.0Wo (9...	Yes	Y		1	1.2	39	1.2	6	1	44	1										
5	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	7	1	45	1										
6	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	8	1	46	1										
7	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	9	1	47	1										
8	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	10	1	48	1										
9	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	11	1	49	1										
10	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	12	1	50	1										
11	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	13	1	51	1										
12	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	14	1	52	1										
13	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1						
14	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1						
15	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1						
16	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1						

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [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	N24	0	0	-2.708333	0	
8	N27	0	0	-6.395833	0	
9	CP	0	0	0	0	
10	N29	2.315104	0	-2.708333	0	
11	N30	-2.315104	0	-2.708333	0	
12	N101	2.541667	0	-2.708333	0	
13	N102	-0.166667	0	-2.708333	0	
14	N103A	0.166667	0	-2.708333	0	
15	N104A	-2.541667	0	-2.927083	0	
16	N105	2.541667	0	-2.927083	0	
17	N131	2.458333	0	-3.071421	0	
18	N135	0.571615	0	-6.298857	0	
19	N144	-2.458333	0	-3.071421	0	
20	N148	-0.571615	0	-6.298857	0	
21	N86A	2.584629	0	-3.144338	0	
22	N86B	-2.584629	0	-3.144338	0	
23	N86C	-0.515625	0	-6.395833	0	
24	N87A	0.515625	0	-6.395833	0	
25	N86D	0.715429	0	-6.381888	0	
26	N86E	-0.715429	0	-6.381888	0	
27	N88A	0	0	-6.3125	0	
28	N87C	0.234238	0.166667	-6.3125	0	
29	N86G	0.234238	0	-6.3125	0	
30	N87B	-0.234238	0.166667	-6.3125	0	
31	N88C	-0.234238	0	-6.3125	0	
32	N87D	-1.046447	0	0.604167	0	
33	N88B	-1.074652	0	3.555315	0	
34	N89	-3.503038	0.166667	-0.650772	0	
35	N90	-1.187933	0.166667	3.359106	0	
36	N91	-2.345485	0	1.354167	0	
37	N92	-5.538954	0	3.197917	0	
38	N93	-3.503038	0	-0.650772	0	
39	N94	-1.187933	0	3.359106	0	
40	N95	-3.616319	0	-0.846981	0	
41	N96	-2.262152	0	1.498504	0	
42	N97	-2.428819	0	1.209829	0	
43	N98	-1.264095	0	3.66469	0	
44	N99	-3.805762	0	-0.737606	0	
45	N100	-3.889095	0	-0.593269	0	
46	N101A	-5.740777	0	2.654396	0	
47	N102A	-1.430762	0	3.66469	0	
48	N103	-5.169162	0	3.644461	0	
49	N104	-4.015391	0	-0.666185	0	
50	N105A	-1.430762	0	3.810523	0	
51	N106	-5.281142	0	3.644461	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N107	-5.796767	0	2.751372	0	
53	N108	-5.884591	0	2.571364	0	
54	N109	-5.169162	0	3.810523	0	
55	N110	-5.466785	0	3.15625	0	
56	N111	-5.583904	0.166667	2.953394	0	
57	N112	-5.583904	0	2.953394	0	
58	N113	-5.349667	0.166667	3.359106	0	
59	N114	-5.349667	0	3.359106	0	
60	N115	1.046447	0	0.604167	0	
61	N116	3.616319	0	-0.846981	0	
62	N117	1.187933	0.166667	3.359106	0	
63	N118	3.503038	0.166667	-0.650772	0	
64	N119	2.345485	0	1.354167	0	
65	N120	5.538954	0	3.197917	0	
66	N121	1.187933	0	3.359106	0	
67	N122	3.503038	0	-0.650772	0	
68	N123	1.074652	0	3.555315	0	
69	N124	2.428819	0	1.209829	0	
70	N125	2.262152	0	1.498504	0	
71	N126	3.805762	0	-0.737606	0	
72	N127	1.264095	0	3.66469	0	
73	N128	1.430762	0	3.66469	0	
74	N129	5.169162	0	3.644461	0	
75	N130	3.889095	0	-0.593269	0	
76	N131A	5.740777	0	2.654396	0	
77	N132	1.430762	0	3.810523	0	
78	N133	4.015391	0	-0.666186	0	
79	N134	5.796767	0	2.751372	0	
80	N135A	5.281142	0	3.644461	0	
81	N136	5.169162	0	3.810523	0	
82	N137	5.884591	0	2.571364	0	
83	N138	5.466785	0	3.15625	0	
84	N139	5.349667	0.166667	3.359106	0	
85	N140	5.349667	0	3.359106	0	
86	N141	5.583904	0.166667	2.953394	0	
87	N142	5.583904	0	2.953394	0	
88	N104B	0.17501	0	-7.31792	0	
89	N105B	6.42501	0	3.507397	0	
90	N124A	-6.42501	0	3.507397	0	
91	N125A	-0.17501	0	-7.31792	0	
92	N93A	-0.166667	0	3.810523	0	
93	N94A	-3.208333	0	3.810523	0	
94	N94B	-5.208333	0	3.810523	0	
95	N97A	-0.166667	0	4.060523	0	
96	N98A	-3.208333	0	4.060523	0	
97	N99A	-5.208333	0	4.060523	0	
98	N100A	5.083333	0	3.810523	0	
99	N99B	5.083333	0	4.060523	0	
100	N100B	-0.166667	3.333333	4.060523	0	
101	N101B	-3.208333	3.333333	4.060523	0	
102	N102B	-5.208333	3.333333	4.060523	0	
103	N103B	5.083333	3.333333	4.060523	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
104	N104C	-0.166667	-2.666667	4.060523	0	
105	N105C	-3.208333	-2.666667	4.060523	0	
106	N106A	-5.208333	-2.666667	4.060523	0	
107	N107A	5.083333	-2.666667	4.060523	0	
108	N109A	3.383343	0	-1.760924	0	
109	N110A	4.904177	0	0.873237	0	
110	N111A	5.904177	0	2.605287	0	
111	N112A	3.59985	0	-1.885924	0	
112	N113A	5.120683	0	0.748237	0	
113	N114A	6.120683	0	2.480287	0	
114	N115A	0.758343	0	-6.307557	0	
115	N116A	0.97485	0	-6.432557	0	
116	N117A	3.59985	3.333333	-1.885924	0	
117	N118A	5.120683	3.333333	0.748237	0	
118	N119A	6.120683	3.333333	2.480287	0	
119	N120A	0.97485	3.333333	-6.432557	0	
120	N121A	3.59985	-2.666667	-1.885924	0	
121	N122A	5.120683	-2.666667	0.748237	0	
122	N123A	6.120683	-2.666667	2.480287	0	
123	N124B	0.97485	-2.666667	-6.432557	0	
124	N126A	-3.216677	0	-2.049599	0	
125	N127A	-1.695843	0	-4.68376	0	
126	N128A	-0.695843	0	-6.415811	0	
127	N129A	-3.433183	0	-2.174599	0	
128	N130A	-1.91235	0	-4.80876	0	
129	N131B	-0.91235	0	-6.540811	0	
130	N132A	-5.841677	0	2.497034	0	
131	N133A	-6.058183	0	2.372034	0	
132	N134A	-3.433183	3.333333	-2.174599	0	
133	N135B	-1.91235	3.333333	-4.80876	0	
134	N136A	-0.91235	3.333333	-6.540811	0	
135	N137A	-6.058183	3.333333	2.372034	0	
136	N138A	-3.433183	-2.666667	-2.174599	0	
137	N139A	-1.91235	-2.666667	-4.80876	0	
138	N140A	-0.91235	-2.666667	-6.540811	0	
139	N141A	-6.058183	-2.666667	2.372034	0	
140	N140B	6.25	2.5	3.810523	0	
141	N141B	-6.25	2.5	3.810523	0	
142	N142A	0.17501	2.5	-7.31792	0	
143	N143	6.42501	2.5	3.507397	0	
144	N144A	-6.42501	2.5	3.507397	0	
145	N145	-0.17501	2.5	-7.31792	0	
146	N146	-0.166667	2.5	3.810523	0	
147	N147	-3.208333	2.5	3.810523	0	
148	N148A	-5.208333	2.5	3.810523	0	
149	N149	-0.166667	2.5	4.060523	0	
150	N150	-3.208333	2.5	4.060523	0	
151	N151	-5.208333	2.5	4.060523	0	
152	N152	5.083333	2.5	3.810523	0	
153	N153	5.083333	2.5	4.060523	0	
154	N154	3.383343	2.5	-1.760924	0	
155	N155	4.904177	2.5	0.873237	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
156	N156	5.904177	2.5	2.605287	0	
157	N157	3.59985	2.5	-1.885924	0	
158	N158	5.120683	2.5	0.748237	0	
159	N159	6.120683	2.5	2.480287	0	
160	N160	0.758343	2.5	-6.307557	0	
161	N161	0.97485	2.5	-6.432557	0	
162	N162	-3.216677	2.5	-2.049599	0	
163	N163	-1.695843	2.5	-4.68376	0	
164	N164	-0.695843	2.5	-6.415811	0	
165	N165	-3.433183	2.5	-2.174599	0	
166	N166	-1.91235	2.5	-4.80876	0	
167	N167	-0.91235	2.5	-6.540811	0	
168	N168	-5.841677	2.5	2.497034	0	
169	N169	-6.058183	2.5	2.372034	0	
170	N170	-4.708333	2.5	3.810523	0	
171	N171	-4.708333	2.5	3.643857	0	
172	N172	4.708333	2.5	3.810523	0	
173	N173	4.708333	2.5	3.643857	0	
174	N174	5.654177	2.5	2.172275	0	
175	N175	5.509839	2.5	2.255608	0	
176	N176	0.945843	2.5	-5.982798	0	
177	N177	0.801506	2.5	-5.899465	0	
178	N178	-0.945843	2.5	-5.982798	0	
179	N179	-0.801506	2.5	-5.899465	0	
180	N180	-5.654177	2.5	2.172275	0	
181	N181	-5.509839	2.5	2.255608	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rul...	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.B ...	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 Crossmem...	HSS4X4X4	Beam	SquareTube	A500 Gr.B ...	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
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_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Support Rail Corner	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
10	MP2.5	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89

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

Hot Rolled Steel Properties (Continued)

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E..	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
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	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
5	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
6	M35A	N7	N30			RIGID	None	None	RIGID	Typical
7	M36A	N6	N29			RIGID	None	None	RIGID	Typical
8	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
10	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
11	M58	N102	N24			RIGID	None	None	RIGID	Typical
12	M59	N24	N103A			RIGID	None	None	RIGID	Typical
13	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
15	M79	N131	N86A			RIGID	None	None	RIGID	Typical
16	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
17	M83	N135	N86D			RIGID	None	None	RIGID	Typical
18	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
19	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
20	M88	N144	N86B			RIGID	None	None	RIGID	Typical
21	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
22	M92	N148	N86E			RIGID	None	None	RIGID	Typical
23	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
24	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
25	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
26	M52A	N87D	N92			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
27	M53	N95	N97			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
28	M54	N96	N88B			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
29	M55	N106	N107			Corner Plate	Beam	BAR	A36 Gr.36	Typical
30	M56	N90	N94			RIGID	None	None	RIGID	Typical
31	M57	N89	N93			RIGID	None	None	RIGID	Typical
32	M58A	N111	N89			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M59A	N90	N113			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
34	M60	N113	N114			RIGID	None	None	RIGID	Typical
35	M61	N96	N91			RIGID	None	None	RIGID	Typical
36	M62	N91	N97			RIGID	None	None	RIGID	Typical
37	M63	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
38	M64	N99	N100			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
39	M65	N100	N104			RIGID	None	None	RIGID	Typical
40	M66	N107	N101A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
41	M67	N101A	N108			RIGID	None	None	RIGID	Typical
42	M68	N88B	N98			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
43	M69	N98	N102A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
44	M70	N102A	N105A			RIGID	None	None	RIGID	Typical
45	M71	N106	N103			Corner Plate	Beam	BAR	A36 Gr.36	Typical
46	M72	N103	N109			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
47	M73	N114	N110			RIGID	None	None	RIGID	Typical
48	M74	N110	N112			RIGID	None	None	RIGID	Typical
49	M75	N111	N112			RIGID	None	None	RIGID	Typical
50	M76A	N115	N120			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
51	M77A	N123	N125			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
52	M78	N124	N116			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
53	M79A	N134	N135A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
54	M80A	N118	N122			RIGID	None	None	RIGID	Typical
55	M81	N117	N121			RIGID	None	None	RIGID	Typical
56	M82	N139	N117			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
57	M83A	N118	N141			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
58	M84A	N141	N142			RIGID	None	None	RIGID	Typical
59	M85A	N124	N119			RIGID	None	None	RIGID	Typical
60	M86	N119	N125			RIGID	None	None	RIGID	Typical
61	M87	N123	N127			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
62	M88A	N127	N128			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
63	M89	N128	N132			RIGID	None	None	RIGID	Typical
64	M90	N135A	N129			Corner Plate	Beam	BAR	A36 Gr.36	Typical
65	M91A	N129	N136			RIGID	None	None	RIGID	Typical
66	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
67	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
68	M94	N130	N133			RIGID	None	None	RIGID	Typical
69	M95	N134	N131A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
70	M96	N131A	N137			RIGID	None	None	RIGID	Typical
71	M97	N142	N138			RIGID	None	None	RIGID	Typical
72	M98	N138	N140			RIGID	None	None	RIGID	Typical
73	M99	N139	N140			RIGID	None	None	RIGID	Typical
74	M82A	N104B	N105B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
75	M91B	N124A	N125A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M76B	N100A	N99B			RIGID	None	None	RIGID	Typical
77	M77B	N93A	N97A			RIGID	None	None	RIGID	Typical
78	M78A	N94A	N98A			RIGID	None	None	RIGID	Typical
79	M79B	N94B	N99A			RIGID	None	None	RIGID	Typical
80	MP1A	N103B	N107A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
81	MP2A	N100B	N104C			MP2.5	Column	Pipe	A53 Gr.B	Typical
82	MP3A	N101B	N105C			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
83	MP4A	N102B	N106A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	M84B	N115A	N116A			RIGID	None	None	RIGID	Typical
85	M85B	N109A	N112A			RIGID	None	None	RIGID	Typical
86	M86A	N110A	N113A			RIGID	None	None	RIGID	Typical
87	M87A	N111A	N114A			RIGID	None	None	RIGID	Typical
88	MP1C	N120A	N124B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
89	MP2C	N117A	N121A			MP2.5	Column	Pipe	A53 Gr.B	Typical
90	MP3C	N118A	N122A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	MP4C	N119A	N123A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M92B	N132A	N133A			RIGID	None	None	RIGID	Typical
93	M93A	N126A	N129A			RIGID	None	None	RIGID	Typical
94	M94A	N127A	N130A			RIGID	None	None	RIGID	Typical
95	M95A	N128A	N131B			RIGID	None	None	RIGID	Typical
96	MP1B	N137A	N141A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
97	MP2B	N134A	N138A			MP2.5	Column	Pipe	A53 Gr.B	Typical
98	MP3B	N135B	N139A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
99	MP4B	N136A	N140A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	M100	N140B	N141B			Support Rail	Beam	Pipe	A53 Gr.B	Typical
101	M101	N142A	N143			Support Rail	Beam	Pipe	A53 Gr.B	Typical
102	M102	N144A	N145			Support Rail	Beam	Pipe	A53 Gr.B	Typical
103	M103	N152	N153			RIGID	None	None	RIGID	Typical
104	M104	N146	N149			RIGID	None	None	RIGID	Typical
105	M105	N147	N150			RIGID	None	None	RIGID	Typical
106	M106	N148A	N151			RIGID	None	None	RIGID	Typical
107	M107	N160	N161			RIGID	None	None	RIGID	Typical
108	M108	N154	N157			RIGID	None	None	RIGID	Typical
109	M109	N155	N158			RIGID	None	None	RIGID	Typical
110	M110	N156	N159			RIGID	None	None	RIGID	Typical
111	M111	N168	N169			RIGID	None	None	RIGID	Typical
112	M112	N162	N165			RIGID	None	None	RIGID	Typical
113	M113	N163	N166			RIGID	None	None	RIGID	Typical
114	M114	N164	N167			RIGID	None	None	RIGID	Typical
115	M115	N170	N171			RIGID	None	None	RIGID	Typical
116	M116	N172	N173			RIGID	None	None	RIGID	Typical
117	M117	N174	N175			RIGID	None	None	RIGID	Typical
118	M118	N176	N177			RIGID	None	None	RIGID	Typical
119	M119	N178	N179			RIGID	None	None	RIGID	Typical
120	M120	N180	N181			RIGID	None	None	RIGID	Typical
121	M121	N171	N181		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
122	M122	N179	N177		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
123	M123	N175	N173		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	Default			None
2	M4						Yes				None
3	M10						Yes	Default			None
4	M43						Yes	Default			None
5	M46						Yes	Default			None
6	M35A						Yes	** NA **			None
7	M36A						Yes	** NA **			None
8	M51B	OOOOOX	OOOOOX				Yes	Default			None
9	M52B	OOOOOX	OOOOOX				Yes	Default			None
10	M52						Yes	** NA **			None
11	M58						Yes	** NA **			None
12	M59						Yes	** NA **			None
13	M76						Yes	** NA **			None
14	M77						Yes	** NA **			None
15	M79		BenPIN				Yes	** NA **			None
16	M80						Yes				None
17	M83		BenPIN				Yes	** NA **			None
18	M84						Yes	** NA **			None
19	M85						Yes	** NA **			None
20	M88		BenPIN				Yes	** NA **			None
21	M91						Yes				None
22	M92		BenPIN				Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
23	M50						Yes	** NA **			None
24	M51						Yes	** NA **			None
25	M51A						Yes	** NA **			None
26	M52A						Yes				None
27	M53						Yes	Default			None
28	M54						Yes	Default			None
29	M55						Yes	Default			None
30	M56						Yes	** NA **			None
31	M57						Yes	** NA **			None
32	M58A	OOOOOX	OOOOOX				Yes	Default			None
33	M59A	OOOOOX	OOOOOX				Yes	Default			None
34	M60						Yes	** NA **			None
35	M61						Yes	** NA **			None
36	M62						Yes	** NA **			None
37	M63						Yes	** NA **			None
38	M64						Yes	** NA **			None
39	M65		BenPIN				Yes	** NA **			None
40	M66						Yes				None
41	M67		BenPIN				Yes	** NA **			None
42	M68						Yes	** NA **			None
43	M69						Yes	** NA **			None
44	M70		BenPIN				Yes	** NA **			None
45	M71						Yes				None
46	M72		BenPIN				Yes	** NA **			None
47	M73						Yes	** NA **			None
48	M74						Yes	** NA **			None
49	M75						Yes	** NA **			None
50	M76A						Yes				None
51	M77A						Yes	Default			None
52	M78						Yes	Default			None
53	M79A						Yes	Default			None
54	M80A						Yes	** NA **			None
55	M81						Yes	** NA **			None
56	M82	OOOOOX	OOOOOX				Yes	Default			None
57	M83A	OOOOOX	OOOOOX				Yes	Default			None
58	M84A						Yes	** NA **			None
59	M85A						Yes	** NA **			None
60	M86						Yes	** NA **			None
61	M87						Yes	** NA **			None
62	M88A						Yes	** NA **			None
63	M89		BenPIN				Yes	** NA **			None
64	M90						Yes				None
65	M91A		BenPIN				Yes	** NA **			None
66	M92A						Yes	** NA **			None
67	M93						Yes	** NA **			None
68	M94		BenPIN				Yes	** NA **			None
69	M95						Yes				None
70	M96		BenPIN				Yes	** NA **			None
71	M97						Yes	** NA **			None
72	M98						Yes	** NA **			None
73	M99						Yes	** NA **			None
74	M82A						Yes	Default			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
75	M91B						Yes	Default			None
76	M76B						Yes	** NA **			None
77	M77B						Yes	** NA **			None
78	M78A						Yes	** NA **			None
79	M79B						Yes	** NA **			None
80	MP1A						Yes	** NA **			None
81	MP2A						Yes	** NA **			None
82	MP3A						Yes	** NA **			None
83	MP4A						Yes	** NA **			None
84	M84B						Yes	** NA **			None
85	M85B						Yes	** NA **			None
86	M86A						Yes	** NA **			None
87	M87A						Yes	** NA **			None
88	MP1C						Yes	** NA **			None
89	MP2C						Yes	** NA **			None
90	MP3C						Yes	** NA **			None
91	MP4C						Yes	** NA **			None
92	M92B						Yes	** NA **			None
93	M93A						Yes	** NA **			None
94	M94A						Yes	** NA **			None
95	M95A						Yes	** NA **			None
96	MP1B						Yes	** NA **			None
97	MP2B						Yes	** NA **			None
98	MP3B						Yes	** NA **			None
99	MP4B						Yes	** NA **			None
100	M100						Yes	Default			None
101	M101						Yes	Default			None
102	M102						Yes	Default			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107						Yes	** NA **			None
108	M108						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	M111						Yes	** NA **			None
112	M112						Yes	** NA **			None
113	M113						Yes	** NA **			None
114	M114						Yes	** NA **			None
115	M115	OOOOOX					Yes	** NA **			None
116	M116	OOOOOX					Yes	** NA **			None
117	M117	OOOOOX					Yes	** NA **			None
118	M118	OOOOOX					Yes	** NA **			None
119	M119	OOOOOX					Yes	** NA **			None
120	M120	OOOOOX					Yes	** NA **			None
121	M121						Yes	Default			None
122	M122						Yes				None
123	M123						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-16.55	.25
2	MP4A	My	-.008	.25
3	MP4A	Mz	0	.25
4	MP4A	Y	-16.55	4.25
5	MP4A	My	-.008	4.25
6	MP4A	Mz	0	4.25
7	MP4B	Y	-16.55	.25
8	MP4B	My	0	.25
9	MP4B	Mz	-.008	.25
10	MP4B	Y	-16.55	4.25
11	MP4B	My	0	4.25
12	MP4B	Mz	-.008	4.25
13	MP4C	Y	-16.55	.25
14	MP4C	My	.004	.25
15	MP4C	Mz	.007	.25
16	MP4C	Y	-16.55	4.25
17	MP4C	My	.004	4.25
18	MP4C	Mz	.007	4.25
19	MP2A	Y	-70.3	1.5
20	MP2A	My	.035	1.5
21	MP2A	Mz	0	1.5
22	MP2B	Y	-70.3	1.5
23	MP2B	My	-.018	1.5
24	MP2B	Mz	.03	1.5
25	MP2C	Y	-70.3	1.5
26	MP2C	My	-.018	1.5
27	MP2C	Mz	-.03	1.5
28	MP3A	Y	-84.4	1.5
29	MP3A	My	.042	1.5
30	MP3A	Mz	0	1.5
31	MP3B	Y	-84.4	1.5
32	MP3B	My	-.021	1.5
33	MP3B	Mz	.037	1.5
34	MP3C	Y	-84.4	1.5
35	MP3C	My	-.021	1.5
36	MP3C	Mz	-.037	1.5
37	MP2A	Y	-10.4	4
38	MP2A	My	.005	4
39	MP2A	Mz	0	4
40	MP2B	Y	-10.4	4
41	MP2B	My	-.003	4
42	MP2B	Mz	.005	4
43	MP2C	Y	-10.4	4
44	MP2C	My	-.003	4
45	MP2C	Mz	-.005	4
46	MP1A	Y	-43.55	1.25
47	MP1A	My	-.022	1.25
48	MP1A	Mz	0	1.25
49	MP1A	Y	-43.55	3.25
50	MP1A	My	-.022	3.25
51	MP1A	Mz	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP1B	Y	-43.55	1.25
53	MP1B	My	.011	1.25
54	MP1B	Mz	-.019	1.25
55	MP1B	Y	-43.55	3.25
56	MP1B	My	.011	3.25
57	MP1B	Mz	-.019	3.25
58	MP1C	Y	-43.55	1.25
59	MP1C	My	.011	1.25
60	MP1C	Mz	.019	1.25
61	MP1C	Y	-43.55	3.25
62	MP1C	My	.011	3.25
63	MP1C	Mz	.019	3.25
64	MP2A	Y	-31.65	.25
65	MP2A	My	-.016	.25
66	MP2A	Mz	-.021	.25
67	MP2A	Y	-31.65	3.25
68	MP2A	My	-.016	3.25
69	MP2A	Mz	-.021	3.25
70	MP2B	Y	-31.65	.25
71	MP2B	My	.026	.25
72	MP2B	Mz	-.003	.25
73	MP2B	Y	-31.65	3.25
74	MP2B	My	.026	3.25
75	MP2B	Mz	-.003	3.25
76	MP2C	Y	-31.65	.25
77	MP2C	My	-.01	.25
78	MP2C	Mz	.024	.25
79	MP2C	Y	-31.65	3.25
80	MP2C	My	-.01	3.25
81	MP2C	Mz	.024	3.25
82	MP2A	Y	-31.65	.25
83	MP2A	My	-.016	.25
84	MP2A	Mz	.021	.25
85	MP2A	Y	-31.65	3.25
86	MP2A	My	-.016	3.25
87	MP2A	Mz	.021	3.25
88	MP2B	Y	-31.65	.25
89	MP2B	My	-.01	.25
90	MP2B	Mz	-.024	.25
91	MP2B	Y	-31.65	3.25
92	MP2B	My	-.01	3.25
93	MP2B	Mz	-.024	3.25
94	MP2C	Y	-31.65	.25
95	MP2C	My	.026	.25
96	MP2C	Mz	.003	.25
97	MP2C	Y	-31.65	3.25
98	MP2C	My	.026	3.25
99	MP2C	Mz	.003	3.25

Member Point Loads (BLC 2 : Antenna Di)

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-59.737	.25
2	MP4A	My	-.03	.25
3	MP4A	Mz	0	.25
4	MP4A	Y	-59.737	4.25
5	MP4A	My	-.03	4.25
6	MP4A	Mz	0	4.25
7	MP4B	Y	-59.737	.25
8	MP4B	My	0	.25
9	MP4B	Mz	-.03	.25
10	MP4B	Y	-59.737	4.25
11	MP4B	My	0	4.25
12	MP4B	Mz	-.03	4.25
13	MP4C	Y	-59.737	.25
14	MP4C	My	.015	.25
15	MP4C	Mz	.026	.25
16	MP4C	Y	-59.737	4.25
17	MP4C	My	.015	4.25
18	MP4C	Mz	.026	4.25
19	MP2A	Y	-39.791	1.5
20	MP2A	My	.02	1.5
21	MP2A	Mz	0	1.5
22	MP2B	Y	-39.791	1.5
23	MP2B	My	-.01	1.5
24	MP2B	Mz	.017	1.5
25	MP2C	Y	-39.791	1.5
26	MP2C	My	-.01	1.5
27	MP2C	Mz	-.017	1.5
28	MP3A	Y	-44.251	1.5
29	MP3A	My	.022	1.5
30	MP3A	Mz	0	1.5
31	MP3B	Y	-44.251	1.5
32	MP3B	My	-.011	1.5
33	MP3B	Mz	.019	1.5
34	MP3C	Y	-44.251	1.5
35	MP3C	My	-.011	1.5
36	MP3C	Mz	-.019	1.5
37	MP2A	Y	-10.567	4
38	MP2A	My	.005	4
39	MP2A	Mz	0	4
40	MP2B	Y	-10.567	4
41	MP2B	My	-.003	4
42	MP2B	Mz	.005	4
43	MP2C	Y	-10.567	4
44	MP2C	My	-.003	4
45	MP2C	Mz	-.005	4
46	MP1A	Y	-35.106	1.25
47	MP1A	My	-.018	1.25
48	MP1A	Mz	0	1.25
49	MP1A	Y	-35.106	3.25
50	MP1A	My	-.018	3.25
51	MP1A	Mz	0	3.25
52	MP1B	Y	-35.106	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP1B	My	.009	1.25
54	MP1B	Mz	-.015	1.25
55	MP1B	Y	-35.106	3.25
56	MP1B	My	.009	3.25
57	MP1B	Mz	-.015	3.25
58	MP1C	Y	-35.106	1.25
59	MP1C	My	.009	1.25
60	MP1C	Mz	.015	1.25
61	MP1C	Y	-35.106	3.25
62	MP1C	My	.009	3.25
63	MP1C	Mz	.015	3.25
64	MP2A	Y	-68.968	.25
65	MP2A	My	-.034	.25
66	MP2A	Mz	-.046	.25
67	MP2A	Y	-68.968	3.25
68	MP2A	My	-.034	3.25
69	MP2A	Mz	-.046	3.25
70	MP2B	Y	-68.968	.25
71	MP2B	My	.057	.25
72	MP2B	Mz	-.007	.25
73	MP2B	Y	-68.968	3.25
74	MP2B	My	.057	3.25
75	MP2B	Mz	-.007	3.25
76	MP2C	Y	-68.968	.25
77	MP2C	My	-.023	.25
78	MP2C	Mz	.053	.25
79	MP2C	Y	-68.968	3.25
80	MP2C	My	-.023	3.25
81	MP2C	Mz	.053	3.25
82	MP2A	Y	-68.968	.25
83	MP2A	My	-.034	.25
84	MP2A	Mz	.046	.25
85	MP2A	Y	-68.968	3.25
86	MP2A	My	-.034	3.25
87	MP2A	Mz	.046	3.25
88	MP2B	Y	-68.968	.25
89	MP2B	My	-.023	.25
90	MP2B	Mz	-.053	.25
91	MP2B	Y	-68.968	3.25
92	MP2B	My	-.023	3.25
93	MP2B	Mz	-.053	3.25
94	MP2C	Y	-68.968	.25
95	MP2C	My	.057	.25
96	MP2C	Mz	.007	.25
97	MP2C	Y	-68.968	3.25
98	MP2C	My	.057	3.25
99	MP2C	Mz	.007	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP4A	Z	-127.864	.25
3	MP4A	Mx	0	.25
4	MP4A	X	0	4.25
5	MP4A	Z	-127.864	4.25
6	MP4A	Mx	0	4.25
7	MP4B	X	0	.25
8	MP4B	Z	-84.426	.25
9	MP4B	Mx	.042	.25
10	MP4B	X	0	4.25
11	MP4B	Z	-84.426	4.25
12	MP4B	Mx	.042	4.25
13	MP4C	X	0	.25
14	MP4C	Z	-95.285	.25
15	MP4C	Mx	-.041	.25
16	MP4C	X	0	4.25
17	MP4C	Z	-95.285	4.25
18	MP4C	Mx	-.041	4.25
19	MP2A	X	0	1.5
20	MP2A	Z	-59.111	1.5
21	MP2A	Mx	0	1.5
22	MP2B	X	0	1.5
23	MP2B	Z	-38.782	1.5
24	MP2B	Mx	-.017	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	-38.782	1.5
27	MP2C	Mx	.017	1.5
28	MP3A	X	0	1.5
29	MP3A	Z	-59.111	1.5
30	MP3A	Mx	0	1.5
31	MP3B	X	0	1.5
32	MP3B	Z	-44.413	1.5
33	MP3B	Mx	-.019	1.5
34	MP3C	X	0	1.5
35	MP3C	Z	-44.413	1.5
36	MP3C	Mx	.019	1.5
37	MP2A	X	0	4
38	MP2A	Z	-11.696	4
39	MP2A	Mx	0	4
40	MP2B	X	0	4
41	MP2B	Z	-8.993	4
42	MP2B	Mx	-.004	4
43	MP2C	X	0	4
44	MP2C	Z	-8.993	4
45	MP2C	Mx	.004	4
46	MP1A	X	0	1.25
47	MP1A	Z	-74.284	1.25
48	MP1A	Mx	0	1.25
49	MP1A	X	0	3.25
50	MP1A	Z	-74.284	3.25
51	MP1A	Mx	0	3.25
52	MP1B	X	0	1.25
53	MP1B	Z	-40.383	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
54	MP1B	Mx	.017	1.25
55	MP1B	X	0	3.25
56	MP1B	Z	-40.383	3.25
57	MP1B	Mx	.017	3.25
58	MP1C	X	0	1.25
59	MP1C	Z	-40.383	1.25
60	MP1C	Mx	-.017	1.25
61	MP1C	X	0	3.25
62	MP1C	Z	-40.383	3.25
63	MP1C	Mx	-.017	3.25
64	MP2A	X	0	.25
65	MP2A	Z	-143.985	.25
66	MP2A	Mx	.096	.25
67	MP2A	X	0	3.25
68	MP2A	Z	-143.985	3.25
69	MP2A	Mx	.096	3.25
70	MP2B	X	0	.25
71	MP2B	Z	-106.922	.25
72	MP2B	Mx	.011	.25
73	MP2B	X	0	3.25
74	MP2B	Z	-106.922	3.25
75	MP2B	Mx	.011	3.25
76	MP2C	X	0	.25
77	MP2C	Z	-106.922	.25
78	MP2C	Mx	-.082	.25
79	MP2C	X	0	3.25
80	MP2C	Z	-106.922	3.25
81	MP2C	Mx	-.082	3.25
82	MP2A	X	0	.25
83	MP2A	Z	-143.985	.25
84	MP2A	Mx	-.096	.25
85	MP2A	X	0	3.25
86	MP2A	Z	-143.985	3.25
87	MP2A	Mx	-.096	3.25
88	MP2B	X	0	.25
89	MP2B	Z	-106.922	.25
90	MP2B	Mx	.082	.25
91	MP2B	X	0	3.25
92	MP2B	Z	-106.922	3.25
93	MP2B	Mx	.082	3.25
94	MP2C	X	0	.25
95	MP2C	Z	-106.922	.25
96	MP2C	Mx	-.011	.25
97	MP2C	X	0	3.25
98	MP2C	Z	-106.922	3.25
99	MP2C	Mx	-.011	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	58.502	.25
2	MP4A	Z	-101.329	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP4A	Mx	-.029	.25
4	MP4A	X	58.502	4.25
5	MP4A	Z	-101.329	4.25
6	MP4A	Mx	-.029	4.25
7	MP4B	X	47.643	.25
8	MP4B	Z	-82.52	.25
9	MP4B	Mx	.041	.25
10	MP4B	X	47.643	4.25
11	MP4B	Z	-82.52	4.25
12	MP4B	Mx	.041	4.25
13	MP4C	X	58.502	.25
14	MP4C	Z	-101.329	.25
15	MP4C	Mx	-.029	.25
16	MP4C	X	58.502	4.25
17	MP4C	Z	-101.329	4.25
18	MP4C	Mx	-.029	4.25
19	MP2A	X	26.167	1.5
20	MP2A	Z	-45.323	1.5
21	MP2A	Mx	.013	1.5
22	MP2B	X	16.003	1.5
23	MP2B	Z	-27.718	1.5
24	MP2B	Mx	-.016	1.5
25	MP2C	X	26.167	1.5
26	MP2C	Z	-45.323	1.5
27	MP2C	Mx	.013	1.5
28	MP3A	X	27.106	1.5
29	MP3A	Z	-46.949	1.5
30	MP3A	Mx	.014	1.5
31	MP3B	X	19.756	1.5
32	MP3B	Z	-34.219	1.5
33	MP3B	Mx	-.02	1.5
34	MP3C	X	27.106	1.5
35	MP3C	Z	-46.949	1.5
36	MP3C	Mx	.014	1.5
37	MP2A	X	5.397	4
38	MP2A	Z	-9.349	4
39	MP2A	Mx	.003	4
40	MP2B	X	4.046	4
41	MP2B	Z	-7.008	4
42	MP2B	Mx	-.004	4
43	MP2C	X	5.397	4
44	MP2C	Z	-9.349	4
45	MP2C	Mx	.003	4
46	MP1A	X	31.492	1.25
47	MP1A	Z	-54.546	1.25
48	MP1A	Mx	-.016	1.25
49	MP1A	X	31.492	3.25
50	MP1A	Z	-54.546	3.25
51	MP1A	Mx	-.016	3.25
52	MP1B	X	14.541	1.25
53	MP1B	Z	-25.186	1.25
54	MP1B	Mx	.015	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP1B	X	14.541	3.25
56	MP1B	Z	-25.186	3.25
57	MP1B	Mx	.015	3.25
58	MP1C	X	31.492	1.25
59	MP1C	Z	-54.546	1.25
60	MP1C	Mx	-.016	1.25
61	MP1C	X	31.492	3.25
62	MP1C	Z	-54.546	3.25
63	MP1C	Mx	-.016	3.25
64	MP2A	X	65.815	.25
65	MP2A	Z	-113.995	.25
66	MP2A	Mx	.043	.25
67	MP2A	X	65.815	3.25
68	MP2A	Z	-113.995	3.25
69	MP2A	Mx	.043	3.25
70	MP2B	X	47.284	.25
71	MP2B	Z	-81.898	.25
72	MP2B	Mx	.047	.25
73	MP2B	X	47.284	3.25
74	MP2B	Z	-81.898	3.25
75	MP2B	Mx	.047	3.25
76	MP2C	X	65.815	.25
77	MP2C	Z	-113.995	.25
78	MP2C	Mx	-.109	.25
79	MP2C	X	65.815	3.25
80	MP2C	Z	-113.995	3.25
81	MP2C	Mx	-.109	3.25
82	MP2A	X	65.815	.25
83	MP2A	Z	-113.995	.25
84	MP2A	Mx	-.109	.25
85	MP2A	X	65.815	3.25
86	MP2A	Z	-113.995	3.25
87	MP2A	Mx	-.109	3.25
88	MP2B	X	47.284	.25
89	MP2B	Z	-81.898	.25
90	MP2B	Mx	.047	.25
91	MP2B	X	47.284	3.25
92	MP2B	Z	-81.898	3.25
93	MP2B	Mx	.047	3.25
94	MP2C	X	65.815	.25
95	MP2C	Z	-113.995	.25
96	MP2C	Mx	.043	.25
97	MP2C	X	65.815	3.25
98	MP2C	Z	-113.995	3.25
99	MP2C	Mx	.043	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	82.52	.25
2	MP4A	Z	-47.643	.25
3	MP4A	Mx	-.041	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP4A	X	82.52	4.25
5	MP4A	Z	-47.643	4.25
6	MP4A	Mx	-.041	4.25
7	MP4B	X	101.329	.25
8	MP4B	Z	-58.502	.25
9	MP4B	Mx	.029	.25
10	MP4B	X	101.329	4.25
11	MP4B	Z	-58.502	4.25
12	MP4B	Mx	.029	4.25
13	MP4C	X	110.733	.25
14	MP4C	Z	-63.932	.25
15	MP4C	Mx	0	.25
16	MP4C	X	110.733	4.25
17	MP4C	Z	-63.932	4.25
18	MP4C	Mx	0	4.25
19	MP2A	X	33.586	1.5
20	MP2A	Z	-19.391	1.5
21	MP2A	Mx	.017	1.5
22	MP2B	X	33.586	1.5
23	MP2B	Z	-19.391	1.5
24	MP2B	Mx	-.017	1.5
25	MP2C	X	51.192	1.5
26	MP2C	Z	-29.556	1.5
27	MP2C	Mx	0	1.5
28	MP3A	X	38.462	1.5
29	MP3A	Z	-22.206	1.5
30	MP3A	Mx	.019	1.5
31	MP3B	X	38.462	1.5
32	MP3B	Z	-22.206	1.5
33	MP3B	Mx	-.019	1.5
34	MP3C	X	51.192	1.5
35	MP3C	Z	-29.556	1.5
36	MP3C	Mx	0	1.5
37	MP2A	X	7.788	4
38	MP2A	Z	-4.497	4
39	MP2A	Mx	.004	4
40	MP2B	X	7.788	4
41	MP2B	Z	-4.497	4
42	MP2B	Mx	-.004	4
43	MP2C	X	10.129	4
44	MP2C	Z	-5.848	4
45	MP2C	Mx	0	4
46	MP1A	X	34.972	1.25
47	MP1A	Z	-20.191	1.25
48	MP1A	Mx	-.017	1.25
49	MP1A	X	34.972	3.25
50	MP1A	Z	-20.191	3.25
51	MP1A	Mx	-.017	3.25
52	MP1B	X	34.972	1.25
53	MP1B	Z	-20.191	1.25
54	MP1B	Mx	.017	1.25
55	MP1B	X	34.972	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
56	MP1B	Z	-20.191	3.25
57	MP1B	Mx	.017	3.25
58	MP1C	X	64.332	1.25
59	MP1C	Z	-37.142	1.25
60	MP1C	Mx	0	1.25
61	MP1C	X	64.332	3.25
62	MP1C	Z	-37.142	3.25
63	MP1C	Mx	0	3.25
64	MP2A	X	92.597	.25
65	MP2A	Z	-53.461	.25
66	MP2A	Mx	-.011	.25
67	MP2A	X	92.597	3.25
68	MP2A	Z	-53.461	3.25
69	MP2A	Mx	-.011	3.25
70	MP2B	X	92.597	.25
71	MP2B	Z	-53.461	.25
72	MP2B	Mx	.082	.25
73	MP2B	X	92.597	3.25
74	MP2B	Z	-53.461	3.25
75	MP2B	Mx	.082	3.25
76	MP2C	X	124.695	.25
77	MP2C	Z	-71.993	.25
78	MP2C	Mx	-.096	.25
79	MP2C	X	124.695	3.25
80	MP2C	Z	-71.993	3.25
81	MP2C	Mx	-.096	3.25
82	MP2A	X	92.597	.25
83	MP2A	Z	-53.461	.25
84	MP2A	Mx	-.082	.25
85	MP2A	X	92.597	3.25
86	MP2A	Z	-53.461	3.25
87	MP2A	Mx	-.082	3.25
88	MP2B	X	92.597	.25
89	MP2B	Z	-53.461	.25
90	MP2B	Mx	.011	.25
91	MP2B	X	92.597	3.25
92	MP2B	Z	-53.461	3.25
93	MP2B	Mx	.011	3.25
94	MP2C	X	124.695	.25
95	MP2C	Z	-71.993	.25
96	MP2C	Mx	.096	.25
97	MP2C	X	124.695	3.25
98	MP2C	Z	-71.993	3.25
99	MP2C	Mx	.096	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	84.426	.25
2	MP4A	Z	0	.25
3	MP4A	Mx	-.042	.25
4	MP4A	X	84.426	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP4A	Z	0	4.25
6	MP4A	Mx	-.042	4.25
7	MP4B	X	127.864	.25
8	MP4B	Z	0	.25
9	MP4B	Mx	0	.25
10	MP4B	X	127.864	4.25
11	MP4B	Z	0	4.25
12	MP4B	Mx	0	4.25
13	MP4C	X	117.004	.25
14	MP4C	Z	0	.25
15	MP4C	Mx	.029	.25
16	MP4C	X	117.004	4.25
17	MP4C	Z	0	4.25
18	MP4C	Mx	.029	4.25
19	MP2A	X	32.005	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.016	1.5
22	MP2B	X	52.335	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	-.013	1.5
25	MP2C	X	52.335	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	-.013	1.5
28	MP3A	X	39.513	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	.02	1.5
31	MP3B	X	54.212	1.5
32	MP3B	Z	0	1.5
33	MP3B	Mx	-.014	1.5
34	MP3C	X	54.212	1.5
35	MP3C	Z	0	1.5
36	MP3C	Mx	-.014	1.5
37	MP2A	X	8.092	4
38	MP2A	Z	0	4
39	MP2A	Mx	.004	4
40	MP2B	X	10.795	4
41	MP2B	Z	0	4
42	MP2B	Mx	-.003	4
43	MP2C	X	10.795	4
44	MP2C	Z	0	4
45	MP2C	Mx	-.003	4
46	MP1A	X	29.082	1.25
47	MP1A	Z	0	1.25
48	MP1A	Mx	-.015	1.25
49	MP1A	X	29.082	3.25
50	MP1A	Z	0	3.25
51	MP1A	Mx	-.015	3.25
52	MP1B	X	62.984	1.25
53	MP1B	Z	0	1.25
54	MP1B	Mx	.016	1.25
55	MP1B	X	62.984	3.25
56	MP1B	Z	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP1B	Mx	.016	3.25
58	MP1C	X	62.984	1.25
59	MP1C	Z	0	1.25
60	MP1C	Mx	.016	1.25
61	MP1C	X	62.984	3.25
62	MP1C	Z	0	3.25
63	MP1C	Mx	.016	3.25
64	MP2A	X	94.568	.25
65	MP2A	Z	0	.25
66	MP2A	Mx	-.047	.25
67	MP2A	X	94.568	3.25
68	MP2A	Z	0	3.25
69	MP2A	Mx	-.047	3.25
70	MP2B	X	131.631	.25
71	MP2B	Z	0	.25
72	MP2B	Mx	.109	.25
73	MP2B	X	131.631	3.25
74	MP2B	Z	0	3.25
75	MP2B	Mx	.109	3.25
76	MP2C	X	131.631	.25
77	MP2C	Z	0	.25
78	MP2C	Mx	-.043	.25
79	MP2C	X	131.631	3.25
80	MP2C	Z	0	3.25
81	MP2C	Mx	-.043	3.25
82	MP2A	X	94.568	.25
83	MP2A	Z	0	.25
84	MP2A	Mx	-.047	.25
85	MP2A	X	94.568	3.25
86	MP2A	Z	0	3.25
87	MP2A	Mx	-.047	3.25
88	MP2B	X	131.631	.25
89	MP2B	Z	0	.25
90	MP2B	Mx	-.043	.25
91	MP2B	X	131.631	3.25
92	MP2B	Z	0	3.25
93	MP2B	Mx	-.043	3.25
94	MP2C	X	131.631	.25
95	MP2C	Z	0	.25
96	MP2C	Mx	.109	.25
97	MP2C	X	131.631	3.25
98	MP2C	Z	0	3.25
99	MP2C	Mx	.109	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	82.52	.25
2	MP4A	Z	47.643	.25
3	MP4A	Mx	-.041	.25
4	MP4A	X	82.52	4.25
5	MP4A	Z	47.643	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP4A	Mx	-.041	4.25
7	MP4B	X	101.329	.25
8	MP4B	Z	58.502	.25
9	MP4B	Mx	-.029	.25
10	MP4B	X	101.329	4.25
11	MP4B	Z	58.502	4.25
12	MP4B	Mx	-.029	4.25
13	MP4C	X	82.52	.25
14	MP4C	Z	47.643	.25
15	MP4C	Mx	.041	.25
16	MP4C	X	82.52	4.25
17	MP4C	Z	47.643	4.25
18	MP4C	Mx	.041	4.25
19	MP2A	X	33.586	1.5
20	MP2A	Z	19.391	1.5
21	MP2A	Mx	.017	1.5
22	MP2B	X	51.192	1.5
23	MP2B	Z	29.556	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	33.586	1.5
26	MP2C	Z	19.391	1.5
27	MP2C	Mx	-.017	1.5
28	MP3A	X	38.462	1.5
29	MP3A	Z	22.206	1.5
30	MP3A	Mx	.019	1.5
31	MP3B	X	51.192	1.5
32	MP3B	Z	29.556	1.5
33	MP3B	Mx	0	1.5
34	MP3C	X	38.462	1.5
35	MP3C	Z	22.206	1.5
36	MP3C	Mx	-.019	1.5
37	MP2A	X	7.788	4
38	MP2A	Z	4.497	4
39	MP2A	Mx	.004	4
40	MP2B	X	10.129	4
41	MP2B	Z	5.848	4
42	MP2B	Mx	0	4
43	MP2C	X	7.788	4
44	MP2C	Z	4.497	4
45	MP2C	Mx	-.004	4
46	MP1A	X	34.972	1.25
47	MP1A	Z	20.191	1.25
48	MP1A	Mx	-.017	1.25
49	MP1A	X	34.972	3.25
50	MP1A	Z	20.191	3.25
51	MP1A	Mx	-.017	3.25
52	MP1B	X	64.332	1.25
53	MP1B	Z	37.142	1.25
54	MP1B	Mx	0	1.25
55	MP1B	X	64.332	3.25
56	MP1B	Z	37.142	3.25
57	MP1B	Mx	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1C	X	34.972	1.25
59	MP1C	Z	20.191	1.25
60	MP1C	Mx	.017	1.25
61	MP1C	X	34.972	3.25
62	MP1C	Z	20.191	3.25
63	MP1C	Mx	.017	3.25
64	MP2A	X	92.597	.25
65	MP2A	Z	53.461	.25
66	MP2A	Mx	-.082	.25
67	MP2A	X	92.597	3.25
68	MP2A	Z	53.461	3.25
69	MP2A	Mx	-.082	3.25
70	MP2B	X	124.695	.25
71	MP2B	Z	71.993	.25
72	MP2B	Mx	.096	.25
73	MP2B	X	124.695	3.25
74	MP2B	Z	71.993	3.25
75	MP2B	Mx	.096	3.25
76	MP2C	X	92.597	.25
77	MP2C	Z	53.461	.25
78	MP2C	Mx	.011	.25
79	MP2C	X	92.597	3.25
80	MP2C	Z	53.461	3.25
81	MP2C	Mx	.011	3.25
82	MP2A	X	92.597	.25
83	MP2A	Z	53.461	.25
84	MP2A	Mx	-.011	.25
85	MP2A	X	92.597	3.25
86	MP2A	Z	53.461	3.25
87	MP2A	Mx	-.011	3.25
88	MP2B	X	124.695	.25
89	MP2B	Z	71.993	.25
90	MP2B	Mx	-.096	.25
91	MP2B	X	124.695	3.25
92	MP2B	Z	71.993	3.25
93	MP2B	Mx	-.096	3.25
94	MP2C	X	92.597	.25
95	MP2C	Z	53.461	.25
96	MP2C	Mx	.082	.25
97	MP2C	X	92.597	3.25
98	MP2C	Z	53.461	3.25
99	MP2C	Mx	.082	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	58.502	.25
2	MP4A	Z	101.329	.25
3	MP4A	Mx	-.029	.25
4	MP4A	X	58.502	4.25
5	MP4A	Z	101.329	4.25
6	MP4A	Mx	-.029	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP4B	X	47.643	.25
8	MP4B	Z	82.52	.25
9	MP4B	Mx	-.041	.25
10	MP4B	X	47.643	4.25
11	MP4B	Z	82.52	4.25
12	MP4B	Mx	-.041	4.25
13	MP4C	X	42.213	.25
14	MP4C	Z	73.115	.25
15	MP4C	Mx	.042	.25
16	MP4C	X	42.213	4.25
17	MP4C	Z	73.115	4.25
18	MP4C	Mx	.042	4.25
19	MP2A	X	26.167	1.5
20	MP2A	Z	45.323	1.5
21	MP2A	Mx	.013	1.5
22	MP2B	X	26.167	1.5
23	MP2B	Z	45.323	1.5
24	MP2B	Mx	.013	1.5
25	MP2C	X	16.003	1.5
26	MP2C	Z	27.718	1.5
27	MP2C	Mx	-.016	1.5
28	MP3A	X	27.106	1.5
29	MP3A	Z	46.949	1.5
30	MP3A	Mx	.014	1.5
31	MP3B	X	27.106	1.5
32	MP3B	Z	46.949	1.5
33	MP3B	Mx	.014	1.5
34	MP3C	X	19.756	1.5
35	MP3C	Z	34.219	1.5
36	MP3C	Mx	-.02	1.5
37	MP2A	X	5.397	4
38	MP2A	Z	9.349	4
39	MP2A	Mx	.003	4
40	MP2B	X	5.397	4
41	MP2B	Z	9.349	4
42	MP2B	Mx	.003	4
43	MP2C	X	4.046	4
44	MP2C	Z	7.008	4
45	MP2C	Mx	-.004	4
46	MP1A	X	31.492	1.25
47	MP1A	Z	54.546	1.25
48	MP1A	Mx	-.016	1.25
49	MP1A	X	31.492	3.25
50	MP1A	Z	54.546	3.25
51	MP1A	Mx	-.016	3.25
52	MP1B	X	31.492	1.25
53	MP1B	Z	54.546	1.25
54	MP1B	Mx	-.016	1.25
55	MP1B	X	31.492	3.25
56	MP1B	Z	54.546	3.25
57	MP1B	Mx	-.016	3.25
58	MP1C	X	14.541	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP1C	Z	25.186	1.25
60	MP1C	Mx	.015	1.25
61	MP1C	X	14.541	3.25
62	MP1C	Z	25.186	3.25
63	MP1C	Mx	.015	3.25
64	MP2A	X	65.815	.25
65	MP2A	Z	113.995	.25
66	MP2A	Mx	-.109	.25
67	MP2A	X	65.815	3.25
68	MP2A	Z	113.995	3.25
69	MP2A	Mx	-.109	3.25
70	MP2B	X	65.815	.25
71	MP2B	Z	113.995	.25
72	MP2B	Mx	.043	.25
73	MP2B	X	65.815	3.25
74	MP2B	Z	113.995	3.25
75	MP2B	Mx	.043	3.25
76	MP2C	X	47.284	.25
77	MP2C	Z	81.898	.25
78	MP2C	Mx	.047	.25
79	MP2C	X	47.284	3.25
80	MP2C	Z	81.898	3.25
81	MP2C	Mx	.047	3.25
82	MP2A	X	65.815	.25
83	MP2A	Z	113.995	.25
84	MP2A	Mx	.043	.25
85	MP2A	X	65.815	3.25
86	MP2A	Z	113.995	3.25
87	MP2A	Mx	.043	3.25
88	MP2B	X	65.815	.25
89	MP2B	Z	113.995	.25
90	MP2B	Mx	-.109	.25
91	MP2B	X	65.815	3.25
92	MP2B	Z	113.995	3.25
93	MP2B	Mx	-.109	3.25
94	MP2C	X	47.284	.25
95	MP2C	Z	81.898	.25
96	MP2C	Mx	.047	.25
97	MP2C	X	47.284	3.25
98	MP2C	Z	81.898	3.25
99	MP2C	Mx	.047	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	.25
2	MP4A	Z	127.864	.25
3	MP4A	Mx	0	.25
4	MP4A	X	0	4.25
5	MP4A	Z	127.864	4.25
6	MP4A	Mx	0	4.25
7	MP4B	X	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP4B	Z	84.426	.25
9	MP4B	Mx	-.042	.25
10	MP4B	X	0	4.25
11	MP4B	Z	84.426	4.25
12	MP4B	Mx	-.042	4.25
13	MP4C	X	0	.25
14	MP4C	Z	95.285	.25
15	MP4C	Mx	.041	.25
16	MP4C	X	0	4.25
17	MP4C	Z	95.285	4.25
18	MP4C	Mx	.041	4.25
19	MP2A	X	0	1.5
20	MP2A	Z	59.111	1.5
21	MP2A	Mx	0	1.5
22	MP2B	X	0	1.5
23	MP2B	Z	38.782	1.5
24	MP2B	Mx	.017	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	38.782	1.5
27	MP2C	Mx	-.017	1.5
28	MP3A	X	0	1.5
29	MP3A	Z	59.111	1.5
30	MP3A	Mx	0	1.5
31	MP3B	X	0	1.5
32	MP3B	Z	44.413	1.5
33	MP3B	Mx	.019	1.5
34	MP3C	X	0	1.5
35	MP3C	Z	44.413	1.5
36	MP3C	Mx	-.019	1.5
37	MP2A	X	0	4
38	MP2A	Z	11.696	4
39	MP2A	Mx	0	4
40	MP2B	X	0	4
41	MP2B	Z	8.993	4
42	MP2B	Mx	.004	4
43	MP2C	X	0	4
44	MP2C	Z	8.993	4
45	MP2C	Mx	-.004	4
46	MP1A	X	0	1.25
47	MP1A	Z	74.284	1.25
48	MP1A	Mx	0	1.25
49	MP1A	X	0	3.25
50	MP1A	Z	74.284	3.25
51	MP1A	Mx	0	3.25
52	MP1B	X	0	1.25
53	MP1B	Z	40.383	1.25
54	MP1B	Mx	-.017	1.25
55	MP1B	X	0	3.25
56	MP1B	Z	40.383	3.25
57	MP1B	Mx	-.017	3.25
58	MP1C	X	0	1.25
59	MP1C	Z	40.383	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1C	Mx	.017	1.25
61	MP1C	X	0	3.25
62	MP1C	Z	40.383	3.25
63	MP1C	Mx	.017	3.25
64	MP2A	X	0	.25
65	MP2A	Z	143.985	.25
66	MP2A	Mx	-.096	.25
67	MP2A	X	0	3.25
68	MP2A	Z	143.985	3.25
69	MP2A	Mx	-.096	3.25
70	MP2B	X	0	.25
71	MP2B	Z	106.922	.25
72	MP2B	Mx	-.011	.25
73	MP2B	X	0	3.25
74	MP2B	Z	106.922	3.25
75	MP2B	Mx	-.011	3.25
76	MP2C	X	0	.25
77	MP2C	Z	106.922	.25
78	MP2C	Mx	.082	.25
79	MP2C	X	0	3.25
80	MP2C	Z	106.922	3.25
81	MP2C	Mx	.082	3.25
82	MP2A	X	0	.25
83	MP2A	Z	143.985	.25
84	MP2A	Mx	.096	.25
85	MP2A	X	0	3.25
86	MP2A	Z	143.985	3.25
87	MP2A	Mx	.096	3.25
88	MP2B	X	0	.25
89	MP2B	Z	106.922	.25
90	MP2B	Mx	-.082	.25
91	MP2B	X	0	3.25
92	MP2B	Z	106.922	3.25
93	MP2B	Mx	-.082	3.25
94	MP2C	X	0	.25
95	MP2C	Z	106.922	.25
96	MP2C	Mx	.011	.25
97	MP2C	X	0	3.25
98	MP2C	Z	106.922	3.25
99	MP2C	Mx	.011	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-58.502	.25
2	MP4A	Z	101.329	.25
3	MP4A	Mx	.029	.25
4	MP4A	X	-58.502	4.25
5	MP4A	Z	101.329	4.25
6	MP4A	Mx	.029	4.25
7	MP4B	X	-47.643	.25
8	MP4B	Z	82.52	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP4B	Mx	-.041	.25
10	MP4B	X	-47.643	4.25
11	MP4B	Z	82.52	4.25
12	MP4B	Mx	-.041	4.25
13	MP4C	X	-58.502	.25
14	MP4C	Z	101.329	.25
15	MP4C	Mx	.029	.25
16	MP4C	X	-58.502	4.25
17	MP4C	Z	101.329	4.25
18	MP4C	Mx	.029	4.25
19	MP2A	X	-26.167	1.5
20	MP2A	Z	45.323	1.5
21	MP2A	Mx	-.013	1.5
22	MP2B	X	-16.003	1.5
23	MP2B	Z	27.718	1.5
24	MP2B	Mx	.016	1.5
25	MP2C	X	-26.167	1.5
26	MP2C	Z	45.323	1.5
27	MP2C	Mx	-.013	1.5
28	MP3A	X	-27.106	1.5
29	MP3A	Z	46.949	1.5
30	MP3A	Mx	-.014	1.5
31	MP3B	X	-19.756	1.5
32	MP3B	Z	34.219	1.5
33	MP3B	Mx	.02	1.5
34	MP3C	X	-27.106	1.5
35	MP3C	Z	46.949	1.5
36	MP3C	Mx	-.014	1.5
37	MP2A	X	-5.397	4
38	MP2A	Z	9.349	4
39	MP2A	Mx	-.003	4
40	MP2B	X	-4.046	4
41	MP2B	Z	7.008	4
42	MP2B	Mx	.004	4
43	MP2C	X	-5.397	4
44	MP2C	Z	9.349	4
45	MP2C	Mx	-.003	4
46	MP1A	X	-31.492	1.25
47	MP1A	Z	54.546	1.25
48	MP1A	Mx	.016	1.25
49	MP1A	X	-31.492	3.25
50	MP1A	Z	54.546	3.25
51	MP1A	Mx	.016	3.25
52	MP1B	X	-14.541	1.25
53	MP1B	Z	25.186	1.25
54	MP1B	Mx	-.015	1.25
55	MP1B	X	-14.541	3.25
56	MP1B	Z	25.186	3.25
57	MP1B	Mx	-.015	3.25
58	MP1C	X	-31.492	1.25
59	MP1C	Z	54.546	1.25
60	MP1C	Mx	.016	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP1C	X	-31.492	3.25
62	MP1C	Z	54.546	3.25
63	MP1C	Mx	.016	3.25
64	MP2A	X	-65.815	.25
65	MP2A	Z	113.995	.25
66	MP2A	Mx	-.043	.25
67	MP2A	X	-65.815	3.25
68	MP2A	Z	113.995	3.25
69	MP2A	Mx	-.043	3.25
70	MP2B	X	-47.284	.25
71	MP2B	Z	81.898	.25
72	MP2B	Mx	-.047	.25
73	MP2B	X	-47.284	3.25
74	MP2B	Z	81.898	3.25
75	MP2B	Mx	-.047	3.25
76	MP2C	X	-65.815	.25
77	MP2C	Z	113.995	.25
78	MP2C	Mx	.109	.25
79	MP2C	X	-65.815	3.25
80	MP2C	Z	113.995	3.25
81	MP2C	Mx	.109	3.25
82	MP2A	X	-65.815	.25
83	MP2A	Z	113.995	.25
84	MP2A	Mx	.109	.25
85	MP2A	X	-65.815	3.25
86	MP2A	Z	113.995	3.25
87	MP2A	Mx	.109	3.25
88	MP2B	X	-47.284	.25
89	MP2B	Z	81.898	.25
90	MP2B	Mx	-.047	.25
91	MP2B	X	-47.284	3.25
92	MP2B	Z	81.898	3.25
93	MP2B	Mx	-.047	3.25
94	MP2C	X	-65.815	.25
95	MP2C	Z	113.995	.25
96	MP2C	Mx	-.043	.25
97	MP2C	X	-65.815	3.25
98	MP2C	Z	113.995	3.25
99	MP2C	Mx	-.043	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-82.52	.25
2	MP4A	Z	47.643	.25
3	MP4A	Mx	.041	.25
4	MP4A	X	-82.52	4.25
5	MP4A	Z	47.643	4.25
6	MP4A	Mx	.041	4.25
7	MP4B	X	-101.329	.25
8	MP4B	Z	58.502	.25
9	MP4B	Mx	-.029	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP4B	X	-101.329	4.25
11	MP4B	Z	58.502	4.25
12	MP4B	Mx	-.029	4.25
13	MP4C	X	-110.733	.25
14	MP4C	Z	63.932	.25
15	MP4C	Mx	0	.25
16	MP4C	X	-110.733	4.25
17	MP4C	Z	63.932	4.25
18	MP4C	Mx	0	4.25
19	MP2A	X	-33.586	1.5
20	MP2A	Z	19.391	1.5
21	MP2A	Mx	-.017	1.5
22	MP2B	X	-33.586	1.5
23	MP2B	Z	19.391	1.5
24	MP2B	Mx	.017	1.5
25	MP2C	X	-51.192	1.5
26	MP2C	Z	29.556	1.5
27	MP2C	Mx	0	1.5
28	MP3A	X	-38.462	1.5
29	MP3A	Z	22.206	1.5
30	MP3A	Mx	-.019	1.5
31	MP3B	X	-38.462	1.5
32	MP3B	Z	22.206	1.5
33	MP3B	Mx	.019	1.5
34	MP3C	X	-51.192	1.5
35	MP3C	Z	29.556	1.5
36	MP3C	Mx	0	1.5
37	MP2A	X	-7.788	4
38	MP2A	Z	4.497	4
39	MP2A	Mx	-.004	4
40	MP2B	X	-7.788	4
41	MP2B	Z	4.497	4
42	MP2B	Mx	.004	4
43	MP2C	X	-10.129	4
44	MP2C	Z	5.848	4
45	MP2C	Mx	0	4
46	MP1A	X	-34.972	1.25
47	MP1A	Z	20.191	1.25
48	MP1A	Mx	.017	1.25
49	MP1A	X	-34.972	3.25
50	MP1A	Z	20.191	3.25
51	MP1A	Mx	.017	3.25
52	MP1B	X	-34.972	1.25
53	MP1B	Z	20.191	1.25
54	MP1B	Mx	-.017	1.25
55	MP1B	X	-34.972	3.25
56	MP1B	Z	20.191	3.25
57	MP1B	Mx	-.017	3.25
58	MP1C	X	-64.332	1.25
59	MP1C	Z	37.142	1.25
60	MP1C	Mx	0	1.25
61	MP1C	X	-64.332	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP1C	Z	37.142	3.25
63	MP1C	Mx	0	3.25
64	MP2A	X	-92.597	.25
65	MP2A	Z	53.461	.25
66	MP2A	Mx	.011	.25
67	MP2A	X	-92.597	3.25
68	MP2A	Z	53.461	3.25
69	MP2A	Mx	.011	3.25
70	MP2B	X	-92.597	.25
71	MP2B	Z	53.461	.25
72	MP2B	Mx	-.082	.25
73	MP2B	X	-92.597	3.25
74	MP2B	Z	53.461	3.25
75	MP2B	Mx	-.082	3.25
76	MP2C	X	-124.695	.25
77	MP2C	Z	71.993	.25
78	MP2C	Mx	.096	.25
79	MP2C	X	-124.695	3.25
80	MP2C	Z	71.993	3.25
81	MP2C	Mx	.096	3.25
82	MP2A	X	-92.597	.25
83	MP2A	Z	53.461	.25
84	MP2A	Mx	.082	.25
85	MP2A	X	-92.597	3.25
86	MP2A	Z	53.461	3.25
87	MP2A	Mx	.082	3.25
88	MP2B	X	-92.597	.25
89	MP2B	Z	53.461	.25
90	MP2B	Mx	-.011	.25
91	MP2B	X	-92.597	3.25
92	MP2B	Z	53.461	3.25
93	MP2B	Mx	-.011	3.25
94	MP2C	X	-124.695	.25
95	MP2C	Z	71.993	.25
96	MP2C	Mx	-.096	.25
97	MP2C	X	-124.695	3.25
98	MP2C	Z	71.993	3.25
99	MP2C	Mx	-.096	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-84.426	.25
2	MP4A	Z	0	.25
3	MP4A	Mx	.042	.25
4	MP4A	X	-84.426	4.25
5	MP4A	Z	0	4.25
6	MP4A	Mx	.042	4.25
7	MP4B	X	-127.864	.25
8	MP4B	Z	0	.25
9	MP4B	Mx	0	.25
10	MP4B	X	-127.864	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP4B	Z	0	4.25
12	MP4B	Mx	0	4.25
13	MP4C	X	-117.004	.25
14	MP4C	Z	0	.25
15	MP4C	Mx	-.029	.25
16	MP4C	X	-117.004	4.25
17	MP4C	Z	0	4.25
18	MP4C	Mx	-.029	4.25
19	MP2A	X	-32.005	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.016	1.5
22	MP2B	X	-52.335	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	.013	1.5
25	MP2C	X	-52.335	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	.013	1.5
28	MP3A	X	-39.513	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	-.02	1.5
31	MP3B	X	-54.212	1.5
32	MP3B	Z	0	1.5
33	MP3B	Mx	.014	1.5
34	MP3C	X	-54.212	1.5
35	MP3C	Z	0	1.5
36	MP3C	Mx	.014	1.5
37	MP2A	X	-8.092	4
38	MP2A	Z	0	4
39	MP2A	Mx	-.004	4
40	MP2B	X	-10.795	4
41	MP2B	Z	0	4
42	MP2B	Mx	.003	4
43	MP2C	X	-10.795	4
44	MP2C	Z	0	4
45	MP2C	Mx	.003	4
46	MP1A	X	-29.082	1.25
47	MP1A	Z	0	1.25
48	MP1A	Mx	.015	1.25
49	MP1A	X	-29.082	3.25
50	MP1A	Z	0	3.25
51	MP1A	Mx	.015	3.25
52	MP1B	X	-62.984	1.25
53	MP1B	Z	0	1.25
54	MP1B	Mx	-.016	1.25
55	MP1B	X	-62.984	3.25
56	MP1B	Z	0	3.25
57	MP1B	Mx	-.016	3.25
58	MP1C	X	-62.984	1.25
59	MP1C	Z	0	1.25
60	MP1C	Mx	-.016	1.25
61	MP1C	X	-62.984	3.25
62	MP1C	Z	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP1C	Mx	-.016	3.25
64	MP2A	X	-94.568	.25
65	MP2A	Z	0	.25
66	MP2A	Mx	.047	.25
67	MP2A	X	-94.568	3.25
68	MP2A	Z	0	3.25
69	MP2A	Mx	.047	3.25
70	MP2B	X	-131.631	.25
71	MP2B	Z	0	.25
72	MP2B	Mx	-.109	.25
73	MP2B	X	-131.631	3.25
74	MP2B	Z	0	3.25
75	MP2B	Mx	-.109	3.25
76	MP2C	X	-131.631	.25
77	MP2C	Z	0	.25
78	MP2C	Mx	.043	.25
79	MP2C	X	-131.631	3.25
80	MP2C	Z	0	3.25
81	MP2C	Mx	.043	3.25
82	MP2A	X	-94.568	.25
83	MP2A	Z	0	.25
84	MP2A	Mx	.047	.25
85	MP2A	X	-94.568	3.25
86	MP2A	Z	0	3.25
87	MP2A	Mx	.047	3.25
88	MP2B	X	-131.631	.25
89	MP2B	Z	0	.25
90	MP2B	Mx	.043	.25
91	MP2B	X	-131.631	3.25
92	MP2B	Z	0	3.25
93	MP2B	Mx	.043	3.25
94	MP2C	X	-131.631	.25
95	MP2C	Z	0	.25
96	MP2C	Mx	-.109	.25
97	MP2C	X	-131.631	3.25
98	MP2C	Z	0	3.25
99	MP2C	Mx	-.109	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-82.52	.25
2	MP4A	Z	-47.643	.25
3	MP4A	Mx	.041	.25
4	MP4A	X	-82.52	4.25
5	MP4A	Z	-47.643	4.25
6	MP4A	Mx	.041	4.25
7	MP4B	X	-101.329	.25
8	MP4B	Z	-58.502	.25
9	MP4B	Mx	.029	.25
10	MP4B	X	-101.329	4.25
11	MP4B	Z	-58.502	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4B	Mx	.029	4.25
13	MP4C	X	-82.52	.25
14	MP4C	Z	-47.643	.25
15	MP4C	Mx	-.041	.25
16	MP4C	X	-82.52	4.25
17	MP4C	Z	-47.643	4.25
18	MP4C	Mx	-.041	4.25
19	MP2A	X	-33.586	1.5
20	MP2A	Z	-19.391	1.5
21	MP2A	Mx	-.017	1.5
22	MP2B	X	-51.192	1.5
23	MP2B	Z	-29.556	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	-33.586	1.5
26	MP2C	Z	-19.391	1.5
27	MP2C	Mx	.017	1.5
28	MP3A	X	-38.462	1.5
29	MP3A	Z	-22.206	1.5
30	MP3A	Mx	-.019	1.5
31	MP3B	X	-51.192	1.5
32	MP3B	Z	-29.556	1.5
33	MP3B	Mx	0	1.5
34	MP3C	X	-38.462	1.5
35	MP3C	Z	-22.206	1.5
36	MP3C	Mx	.019	1.5
37	MP2A	X	-7.788	4
38	MP2A	Z	-4.497	4
39	MP2A	Mx	-.004	4
40	MP2B	X	-10.129	4
41	MP2B	Z	-5.848	4
42	MP2B	Mx	0	4
43	MP2C	X	-7.788	4
44	MP2C	Z	-4.497	4
45	MP2C	Mx	.004	4
46	MP1A	X	-34.972	1.25
47	MP1A	Z	-20.191	1.25
48	MP1A	Mx	.017	1.25
49	MP1A	X	-34.972	3.25
50	MP1A	Z	-20.191	3.25
51	MP1A	Mx	.017	3.25
52	MP1B	X	-64.332	1.25
53	MP1B	Z	-37.142	1.25
54	MP1B	Mx	0	1.25
55	MP1B	X	-64.332	3.25
56	MP1B	Z	-37.142	3.25
57	MP1B	Mx	0	3.25
58	MP1C	X	-34.972	1.25
59	MP1C	Z	-20.191	1.25
60	MP1C	Mx	-.017	1.25
61	MP1C	X	-34.972	3.25
62	MP1C	Z	-20.191	3.25
63	MP1C	Mx	-.017	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP2A	X	-92.597	.25
65	MP2A	Z	-53.461	.25
66	MP2A	Mx	.082	.25
67	MP2A	X	-92.597	3.25
68	MP2A	Z	-53.461	3.25
69	MP2A	Mx	.082	3.25
70	MP2B	X	-124.695	.25
71	MP2B	Z	-71.993	.25
72	MP2B	Mx	-.096	.25
73	MP2B	X	-124.695	3.25
74	MP2B	Z	-71.993	3.25
75	MP2B	Mx	-.096	3.25
76	MP2C	X	-92.597	.25
77	MP2C	Z	-53.461	.25
78	MP2C	Mx	-.011	.25
79	MP2C	X	-92.597	3.25
80	MP2C	Z	-53.461	3.25
81	MP2C	Mx	-.011	3.25
82	MP2A	X	-92.597	.25
83	MP2A	Z	-53.461	.25
84	MP2A	Mx	.011	.25
85	MP2A	X	-92.597	3.25
86	MP2A	Z	-53.461	3.25
87	MP2A	Mx	.011	3.25
88	MP2B	X	-124.695	.25
89	MP2B	Z	-71.993	.25
90	MP2B	Mx	.096	.25
91	MP2B	X	-124.695	3.25
92	MP2B	Z	-71.993	3.25
93	MP2B	Mx	.096	3.25
94	MP2C	X	-92.597	.25
95	MP2C	Z	-53.461	.25
96	MP2C	Mx	-.082	.25
97	MP2C	X	-92.597	3.25
98	MP2C	Z	-53.461	3.25
99	MP2C	Mx	-.082	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-58.502	.25
2	MP4A	Z	-101.329	.25
3	MP4A	Mx	.029	.25
4	MP4A	X	-58.502	4.25
5	MP4A	Z	-101.329	4.25
6	MP4A	Mx	.029	4.25
7	MP4B	X	-47.643	.25
8	MP4B	Z	-82.52	.25
9	MP4B	Mx	.041	.25
10	MP4B	X	-47.643	4.25
11	MP4B	Z	-82.52	4.25
12	MP4B	Mx	.041	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP4C	X	-42.213	.25
14	MP4C	Z	-73.115	.25
15	MP4C	Mx	-.042	.25
16	MP4C	X	-42.213	4.25
17	MP4C	Z	-73.115	4.25
18	MP4C	Mx	-.042	4.25
19	MP2A	X	-26.167	1.5
20	MP2A	Z	-45.323	1.5
21	MP2A	Mx	-.013	1.5
22	MP2B	X	-26.167	1.5
23	MP2B	Z	-45.323	1.5
24	MP2B	Mx	-.013	1.5
25	MP2C	X	-16.003	1.5
26	MP2C	Z	-27.718	1.5
27	MP2C	Mx	.016	1.5
28	MP3A	X	-27.106	1.5
29	MP3A	Z	-46.949	1.5
30	MP3A	Mx	-.014	1.5
31	MP3B	X	-27.106	1.5
32	MP3B	Z	-46.949	1.5
33	MP3B	Mx	-.014	1.5
34	MP3C	X	-19.756	1.5
35	MP3C	Z	-34.219	1.5
36	MP3C	Mx	.02	1.5
37	MP2A	X	-5.397	4
38	MP2A	Z	-9.349	4
39	MP2A	Mx	-.003	4
40	MP2B	X	-5.397	4
41	MP2B	Z	-9.349	4
42	MP2B	Mx	-.003	4
43	MP2C	X	-4.046	4
44	MP2C	Z	-7.008	4
45	MP2C	Mx	.004	4
46	MP1A	X	-31.492	1.25
47	MP1A	Z	-54.546	1.25
48	MP1A	Mx	.016	1.25
49	MP1A	X	-31.492	3.25
50	MP1A	Z	-54.546	3.25
51	MP1A	Mx	.016	3.25
52	MP1B	X	-31.492	1.25
53	MP1B	Z	-54.546	1.25
54	MP1B	Mx	.016	1.25
55	MP1B	X	-31.492	3.25
56	MP1B	Z	-54.546	3.25
57	MP1B	Mx	.016	3.25
58	MP1C	X	-14.541	1.25
59	MP1C	Z	-25.186	1.25
60	MP1C	Mx	-.015	1.25
61	MP1C	X	-14.541	3.25
62	MP1C	Z	-25.186	3.25
63	MP1C	Mx	-.015	3.25
64	MP2A	X	-65.815	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	-113.995	.25
66	MP2A	Mx	.109	.25
67	MP2A	X	-65.815	3.25
68	MP2A	Z	-113.995	3.25
69	MP2A	Mx	.109	3.25
70	MP2B	X	-65.815	.25
71	MP2B	Z	-113.995	.25
72	MP2B	Mx	-.043	.25
73	MP2B	X	-65.815	3.25
74	MP2B	Z	-113.995	3.25
75	MP2B	Mx	-.043	3.25
76	MP2C	X	-47.284	.25
77	MP2C	Z	-81.898	.25
78	MP2C	Mx	-.047	.25
79	MP2C	X	-47.284	3.25
80	MP2C	Z	-81.898	3.25
81	MP2C	Mx	-.047	3.25
82	MP2A	X	-65.815	.25
83	MP2A	Z	-113.995	.25
84	MP2A	Mx	-.043	.25
85	MP2A	X	-65.815	3.25
86	MP2A	Z	-113.995	3.25
87	MP2A	Mx	-.043	3.25
88	MP2B	X	-65.815	.25
89	MP2B	Z	-113.995	.25
90	MP2B	Mx	.109	.25
91	MP2B	X	-65.815	3.25
92	MP2B	Z	-113.995	3.25
93	MP2B	Mx	.109	3.25
94	MP2C	X	-47.284	.25
95	MP2C	Z	-81.898	.25
96	MP2C	Mx	-.047	.25
97	MP2C	X	-47.284	3.25
98	MP2C	Z	-81.898	3.25
99	MP2C	Mx	-.047	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	.25
2	MP4A	Z	-25.261	.25
3	MP4A	Mx	0	.25
4	MP4A	X	0	4.25
5	MP4A	Z	-25.261	4.25
6	MP4A	Mx	0	4.25
7	MP4B	X	0	.25
8	MP4B	Z	-17.41	.25
9	MP4B	Mx	.009	.25
10	MP4B	X	0	4.25
11	MP4B	Z	-17.41	4.25
12	MP4B	Mx	.009	4.25
13	MP4C	X	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP4C	Z	-19.373	.25
15	MP4C	Mx	-.008	.25
16	MP4C	X	0	4.25
17	MP4C	Z	-19.373	4.25
18	MP4C	Mx	-.008	4.25
19	MP2A	X	0	1.5
20	MP2A	Z	-12.671	1.5
21	MP2A	Mx	0	1.5
22	MP2B	X	0	1.5
23	MP2B	Z	-8.674	1.5
24	MP2B	Mx	-.004	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	-8.674	1.5
27	MP2C	Mx	.004	1.5
28	MP3A	X	0	1.5
29	MP3A	Z	-12.671	1.5
30	MP3A	Mx	0	1.5
31	MP3B	X	0	1.5
32	MP3B	Z	-9.774	1.5
33	MP3B	Mx	-.004	1.5
34	MP3C	X	0	1.5
35	MP3C	Z	-9.774	1.5
36	MP3C	Mx	.004	1.5
37	MP2A	X	0	4
38	MP2A	Z	-3.068	4
39	MP2A	Mx	0	4
40	MP2B	X	0	4
41	MP2B	Z	-2.492	4
42	MP2B	Mx	-.001	4
43	MP2C	X	0	4
44	MP2C	Z	-2.492	4
45	MP2C	Mx	.001	4
46	MP1A	X	0	1.25
47	MP1A	Z	-15.045	1.25
48	MP1A	Mx	0	1.25
49	MP1A	X	0	3.25
50	MP1A	Z	-15.045	3.25
51	MP1A	Mx	0	3.25
52	MP1B	X	0	1.25
53	MP1B	Z	-8.562	1.25
54	MP1B	Mx	.004	1.25
55	MP1B	X	0	3.25
56	MP1B	Z	-8.562	3.25
57	MP1B	Mx	.004	3.25
58	MP1C	X	0	1.25
59	MP1C	Z	-8.562	1.25
60	MP1C	Mx	-.004	1.25
61	MP1C	X	0	3.25
62	MP1C	Z	-8.562	3.25
63	MP1C	Mx	-.004	3.25
64	MP2A	X	0	.25
65	MP2A	Z	-28.296	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2A	Mx	.019	.25
67	MP2A	X	0	3.25
68	MP2A	Z	-28.296	3.25
69	MP2A	Mx	.019	3.25
70	MP2B	X	0	.25
71	MP2B	Z	-21.544	.25
72	MP2B	Mx	.002	.25
73	MP2B	X	0	3.25
74	MP2B	Z	-21.544	3.25
75	MP2B	Mx	.002	3.25
76	MP2C	X	0	.25
77	MP2C	Z	-21.544	.25
78	MP2C	Mx	-.017	.25
79	MP2C	X	0	3.25
80	MP2C	Z	-21.544	3.25
81	MP2C	Mx	-.017	3.25
82	MP2A	X	0	.25
83	MP2A	Z	-28.296	.25
84	MP2A	Mx	-.019	.25
85	MP2A	X	0	3.25
86	MP2A	Z	-28.296	3.25
87	MP2A	Mx	-.019	3.25
88	MP2B	X	0	.25
89	MP2B	Z	-21.544	.25
90	MP2B	Mx	.017	.25
91	MP2B	X	0	3.25
92	MP2B	Z	-21.544	3.25
93	MP2B	Mx	.017	3.25
94	MP2C	X	0	.25
95	MP2C	Z	-21.544	.25
96	MP2C	Mx	-.002	.25
97	MP2C	X	0	3.25
98	MP2C	Z	-21.544	3.25
99	MP2C	Mx	-.002	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	11.649	.25
2	MP4A	Z	-20.177	.25
3	MP4A	Mx	-.006	.25
4	MP4A	X	11.649	4.25
5	MP4A	Z	-20.177	4.25
6	MP4A	Mx	-.006	4.25
7	MP4B	X	9.687	.25
8	MP4B	Z	-16.778	.25
9	MP4B	Mx	.008	.25
10	MP4B	X	9.687	4.25
11	MP4B	Z	-16.778	4.25
12	MP4B	Mx	.008	4.25
13	MP4C	X	11.649	.25
14	MP4C	Z	-20.177	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP4C	Mx	-.006	.25
16	MP4C	X	11.649	4.25
17	MP4C	Z	-20.177	4.25
18	MP4C	Mx	-.006	4.25
19	MP2A	X	5.669	1.5
20	MP2A	Z	-9.819	1.5
21	MP2A	Mx	.003	1.5
22	MP2B	X	3.671	1.5
23	MP2B	Z	-6.358	1.5
24	MP2B	Mx	-.004	1.5
25	MP2C	X	5.669	1.5
26	MP2C	Z	-9.819	1.5
27	MP2C	Mx	.003	1.5
28	MP3A	X	5.853	1.5
29	MP3A	Z	-10.137	1.5
30	MP3A	Mx	.003	1.5
31	MP3B	X	4.405	1.5
32	MP3B	Z	-7.629	1.5
33	MP3B	Mx	-.004	1.5
34	MP3C	X	5.853	1.5
35	MP3C	Z	-10.137	1.5
36	MP3C	Mx	.003	1.5
37	MP2A	X	1.438	4
38	MP2A	Z	-2.491	4
39	MP2A	Mx	.000719	4
40	MP2B	X	1.15	4
41	MP2B	Z	-1.992	4
42	MP2B	Mx	-.001	4
43	MP2C	X	1.438	4
44	MP2C	Z	-2.491	4
45	MP2C	Mx	.000719	4
46	MP1A	X	6.442	1.25
47	MP1A	Z	-11.158	1.25
48	MP1A	Mx	-.003	1.25
49	MP1A	X	6.442	3.25
50	MP1A	Z	-11.158	3.25
51	MP1A	Mx	-.003	3.25
52	MP1B	X	3.201	1.25
53	MP1B	Z	-5.544	1.25
54	MP1B	Mx	.003	1.25
55	MP1B	X	3.201	3.25
56	MP1B	Z	-5.544	3.25
57	MP1B	Mx	.003	3.25
58	MP1C	X	6.442	1.25
59	MP1C	Z	-11.158	1.25
60	MP1C	Mx	-.003	1.25
61	MP1C	X	6.442	3.25
62	MP1C	Z	-11.158	3.25
63	MP1C	Mx	-.003	3.25
64	MP2A	X	13.023	.25
65	MP2A	Z	-22.556	.25
66	MP2A	Mx	.009	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP2A	X	13.023	3.25
68	MP2A	Z	-22.556	3.25
69	MP2A	Mx	.009	3.25
70	MP2B	X	9.647	.25
71	MP2B	Z	-16.708	.25
72	MP2B	Mx	.01	.25
73	MP2B	X	9.647	3.25
74	MP2B	Z	-16.708	3.25
75	MP2B	Mx	.01	3.25
76	MP2C	X	13.023	.25
77	MP2C	Z	-22.556	.25
78	MP2C	Mx	-.022	.25
79	MP2C	X	13.023	3.25
80	MP2C	Z	-22.556	3.25
81	MP2C	Mx	-.022	3.25
82	MP2A	X	13.023	.25
83	MP2A	Z	-22.556	.25
84	MP2A	Mx	-.022	.25
85	MP2A	X	13.023	3.25
86	MP2A	Z	-22.556	3.25
87	MP2A	Mx	-.022	3.25
88	MP2B	X	9.647	.25
89	MP2B	Z	-16.708	.25
90	MP2B	Mx	.01	.25
91	MP2B	X	9.647	3.25
92	MP2B	Z	-16.708	3.25
93	MP2B	Mx	.01	3.25
94	MP2C	X	13.023	.25
95	MP2C	Z	-22.556	.25
96	MP2C	Mx	.009	.25
97	MP2C	X	13.023	3.25
98	MP2C	Z	-22.556	3.25
99	MP2C	Mx	.009	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	16.778	.25
2	MP4A	Z	-9.687	.25
3	MP4A	Mx	-.008	.25
4	MP4A	X	16.778	4.25
5	MP4A	Z	-9.687	4.25
6	MP4A	Mx	-.008	4.25
7	MP4B	X	20.177	.25
8	MP4B	Z	-11.649	.25
9	MP4B	Mx	.006	.25
10	MP4B	X	20.177	4.25
11	MP4B	Z	-11.649	4.25
12	MP4B	Mx	.006	4.25
13	MP4C	X	21.877	.25
14	MP4C	Z	-12.63	.25
15	MP4C	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP4C	X	21.877	4.25
17	MP4C	Z	-12.63	4.25
18	MP4C	Mx	0	4.25
19	MP2A	X	7.512	1.5
20	MP2A	Z	-4.337	1.5
21	MP2A	Mx	.004	1.5
22	MP2B	X	7.512	1.5
23	MP2B	Z	-4.337	1.5
24	MP2B	Mx	-.004	1.5
25	MP2C	X	10.973	1.5
26	MP2C	Z	-6.335	1.5
27	MP2C	Mx	0	1.5
28	MP3A	X	8.465	1.5
29	MP3A	Z	-4.887	1.5
30	MP3A	Mx	.004	1.5
31	MP3B	X	8.465	1.5
32	MP3B	Z	-4.887	1.5
33	MP3B	Mx	-.004	1.5
34	MP3C	X	10.973	1.5
35	MP3C	Z	-6.335	1.5
36	MP3C	Mx	0	1.5
37	MP2A	X	2.158	4
38	MP2A	Z	-1.246	4
39	MP2A	Mx	.001	4
40	MP2B	X	2.158	4
41	MP2B	Z	-1.246	4
42	MP2B	Mx	-.001	4
43	MP2C	X	2.657	4
44	MP2C	Z	-1.534	4
45	MP2C	Mx	0	4
46	MP1A	X	7.415	1.25
47	MP1A	Z	-4.281	1.25
48	MP1A	Mx	-.004	1.25
49	MP1A	X	7.415	3.25
50	MP1A	Z	-4.281	3.25
51	MP1A	Mx	-.004	3.25
52	MP1B	X	7.415	1.25
53	MP1B	Z	-4.281	1.25
54	MP1B	Mx	.004	1.25
55	MP1B	X	7.415	3.25
56	MP1B	Z	-4.281	3.25
57	MP1B	Mx	.004	3.25
58	MP1C	X	13.029	1.25
59	MP1C	Z	-7.522	1.25
60	MP1C	Mx	0	1.25
61	MP1C	X	13.029	3.25
62	MP1C	Z	-7.522	3.25
63	MP1C	Mx	0	3.25
64	MP2A	X	18.657	.25
65	MP2A	Z	-10.772	.25
66	MP2A	Mx	-.002	.25
67	MP2A	X	18.657	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP2A	Z	-10.772	3.25
69	MP2A	Mx	-.002	3.25
70	MP2B	X	18.657	.25
71	MP2B	Z	-10.772	.25
72	MP2B	Mx	.017	.25
73	MP2B	X	18.657	3.25
74	MP2B	Z	-10.772	3.25
75	MP2B	Mx	.017	3.25
76	MP2C	X	24.505	.25
77	MP2C	Z	-14.148	.25
78	MP2C	Mx	-.019	.25
79	MP2C	X	24.505	3.25
80	MP2C	Z	-14.148	3.25
81	MP2C	Mx	-.019	3.25
82	MP2A	X	18.657	.25
83	MP2A	Z	-10.772	.25
84	MP2A	Mx	-.017	.25
85	MP2A	X	18.657	3.25
86	MP2A	Z	-10.772	3.25
87	MP2A	Mx	-.017	3.25
88	MP2B	X	18.657	.25
89	MP2B	Z	-10.772	.25
90	MP2B	Mx	.002	.25
91	MP2B	X	18.657	3.25
92	MP2B	Z	-10.772	3.25
93	MP2B	Mx	.002	3.25
94	MP2C	X	24.505	.25
95	MP2C	Z	-14.148	.25
96	MP2C	Mx	.019	.25
97	MP2C	X	24.505	3.25
98	MP2C	Z	-14.148	3.25
99	MP2C	Mx	.019	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	17.41	.25
2	MP4A	Z	0	.25
3	MP4A	Mx	-.009	.25
4	MP4A	X	17.41	4.25
5	MP4A	Z	0	4.25
6	MP4A	Mx	-.009	4.25
7	MP4B	X	25.261	.25
8	MP4B	Z	0	.25
9	MP4B	Mx	0	.25
10	MP4B	X	25.261	4.25
11	MP4B	Z	0	4.25
12	MP4B	Mx	0	4.25
13	MP4C	X	23.298	.25
14	MP4C	Z	0	.25
15	MP4C	Mx	.006	.25
16	MP4C	X	23.298	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP4C	Z	0	4.25
18	MP4C	Mx	.006	4.25
19	MP2A	X	7.342	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.004	1.5
22	MP2B	X	11.338	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	-.003	1.5
25	MP2C	X	11.338	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	-.003	1.5
28	MP3A	X	8.809	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	.004	1.5
31	MP3B	X	11.705	1.5
32	MP3B	Z	0	1.5
33	MP3B	Mx	-.003	1.5
34	MP3C	X	11.705	1.5
35	MP3C	Z	0	1.5
36	MP3C	Mx	-.003	1.5
37	MP2A	X	2.3	4
38	MP2A	Z	0	4
39	MP2A	Mx	.001	4
40	MP2B	X	2.876	4
41	MP2B	Z	0	4
42	MP2B	Mx	-.000719	4
43	MP2C	X	2.876	4
44	MP2C	Z	0	4
45	MP2C	Mx	-.000719	4
46	MP1A	X	6.401	1.25
47	MP1A	Z	0	1.25
48	MP1A	Mx	-.003	1.25
49	MP1A	X	6.401	3.25
50	MP1A	Z	0	3.25
51	MP1A	Mx	-.003	3.25
52	MP1B	X	12.884	1.25
53	MP1B	Z	0	1.25
54	MP1B	Mx	.003	1.25
55	MP1B	X	12.884	3.25
56	MP1B	Z	0	3.25
57	MP1B	Mx	.003	3.25
58	MP1C	X	12.884	1.25
59	MP1C	Z	0	1.25
60	MP1C	Mx	.003	1.25
61	MP1C	X	12.884	3.25
62	MP1C	Z	0	3.25
63	MP1C	Mx	.003	3.25
64	MP2A	X	19.293	.25
65	MP2A	Z	0	.25
66	MP2A	Mx	-.01	.25
67	MP2A	X	19.293	3.25
68	MP2A	Z	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2A	Mx	-.01	3.25
70	MP2B	X	26.045	.25
71	MP2B	Z	0	.25
72	MP2B	Mx	.022	.25
73	MP2B	X	26.045	3.25
74	MP2B	Z	0	3.25
75	MP2B	Mx	.022	3.25
76	MP2C	X	26.045	.25
77	MP2C	Z	0	.25
78	MP2C	Mx	-.009	.25
79	MP2C	X	26.045	3.25
80	MP2C	Z	0	3.25
81	MP2C	Mx	-.009	3.25
82	MP2A	X	19.293	.25
83	MP2A	Z	0	.25
84	MP2A	Mx	-.01	.25
85	MP2A	X	19.293	3.25
86	MP2A	Z	0	3.25
87	MP2A	Mx	-.01	3.25
88	MP2B	X	26.045	.25
89	MP2B	Z	0	.25
90	MP2B	Mx	-.009	.25
91	MP2B	X	26.045	3.25
92	MP2B	Z	0	3.25
93	MP2B	Mx	-.009	3.25
94	MP2C	X	26.045	.25
95	MP2C	Z	0	.25
96	MP2C	Mx	.022	.25
97	MP2C	X	26.045	3.25
98	MP2C	Z	0	3.25
99	MP2C	Mx	.022	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	16.778	.25
2	MP4A	Z	9.687	.25
3	MP4A	Mx	-.008	.25
4	MP4A	X	16.778	4.25
5	MP4A	Z	9.687	4.25
6	MP4A	Mx	-.008	4.25
7	MP4B	X	20.177	.25
8	MP4B	Z	11.649	.25
9	MP4B	Mx	-.006	.25
10	MP4B	X	20.177	4.25
11	MP4B	Z	11.649	4.25
12	MP4B	Mx	-.006	4.25
13	MP4C	X	16.778	.25
14	MP4C	Z	9.687	.25
15	MP4C	Mx	.008	.25
16	MP4C	X	16.778	4.25
17	MP4C	Z	9.687	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP4C	Mx	.008	4.25
19	MP2A	X	7.512	1.5
20	MP2A	Z	4.337	1.5
21	MP2A	Mx	.004	1.5
22	MP2B	X	10.973	1.5
23	MP2B	Z	6.335	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	7.512	1.5
26	MP2C	Z	4.337	1.5
27	MP2C	Mx	-.004	1.5
28	MP3A	X	8.465	1.5
29	MP3A	Z	4.887	1.5
30	MP3A	Mx	.004	1.5
31	MP3B	X	10.973	1.5
32	MP3B	Z	6.335	1.5
33	MP3B	Mx	0	1.5
34	MP3C	X	8.465	1.5
35	MP3C	Z	4.887	1.5
36	MP3C	Mx	-.004	1.5
37	MP2A	X	2.158	4
38	MP2A	Z	1.246	4
39	MP2A	Mx	.001	4
40	MP2B	X	2.657	4
41	MP2B	Z	1.534	4
42	MP2B	Mx	0	4
43	MP2C	X	2.158	4
44	MP2C	Z	1.246	4
45	MP2C	Mx	-.001	4
46	MP1A	X	7.415	1.25
47	MP1A	Z	4.281	1.25
48	MP1A	Mx	-.004	1.25
49	MP1A	X	7.415	3.25
50	MP1A	Z	4.281	3.25
51	MP1A	Mx	-.004	3.25
52	MP1B	X	13.029	1.25
53	MP1B	Z	7.522	1.25
54	MP1B	Mx	0	1.25
55	MP1B	X	13.029	3.25
56	MP1B	Z	7.522	3.25
57	MP1B	Mx	0	3.25
58	MP1C	X	7.415	1.25
59	MP1C	Z	4.281	1.25
60	MP1C	Mx	.004	1.25
61	MP1C	X	7.415	3.25
62	MP1C	Z	4.281	3.25
63	MP1C	Mx	.004	3.25
64	MP2A	X	18.657	.25
65	MP2A	Z	10.772	.25
66	MP2A	Mx	-.017	.25
67	MP2A	X	18.657	3.25
68	MP2A	Z	10.772	3.25
69	MP2A	Mx	-.017	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP2B	X	24.505	.25
71	MP2B	Z	14.148	.25
72	MP2B	Mx	.019	.25
73	MP2B	X	24.505	3.25
74	MP2B	Z	14.148	3.25
75	MP2B	Mx	.019	3.25
76	MP2C	X	18.657	.25
77	MP2C	Z	10.772	.25
78	MP2C	Mx	.002	.25
79	MP2C	X	18.657	3.25
80	MP2C	Z	10.772	3.25
81	MP2C	Mx	.002	3.25
82	MP2A	X	18.657	.25
83	MP2A	Z	10.772	.25
84	MP2A	Mx	-.002	.25
85	MP2A	X	18.657	3.25
86	MP2A	Z	10.772	3.25
87	MP2A	Mx	-.002	3.25
88	MP2B	X	24.505	.25
89	MP2B	Z	14.148	.25
90	MP2B	Mx	-.019	.25
91	MP2B	X	24.505	3.25
92	MP2B	Z	14.148	3.25
93	MP2B	Mx	-.019	3.25
94	MP2C	X	18.657	.25
95	MP2C	Z	10.772	.25
96	MP2C	Mx	.017	.25
97	MP2C	X	18.657	3.25
98	MP2C	Z	10.772	3.25
99	MP2C	Mx	.017	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	11.649	.25
2	MP4A	Z	20.177	.25
3	MP4A	Mx	-.006	.25
4	MP4A	X	11.649	4.25
5	MP4A	Z	20.177	4.25
6	MP4A	Mx	-.006	4.25
7	MP4B	X	9.687	.25
8	MP4B	Z	16.778	.25
9	MP4B	Mx	-.008	.25
10	MP4B	X	9.687	4.25
11	MP4B	Z	16.778	4.25
12	MP4B	Mx	-.008	4.25
13	MP4C	X	8.705	.25
14	MP4C	Z	15.078	.25
15	MP4C	Mx	.009	.25
16	MP4C	X	8.705	4.25
17	MP4C	Z	15.078	4.25
18	MP4C	Mx	.009	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	5.669	1.5
20	MP2A	Z	9.819	1.5
21	MP2A	Mx	.003	1.5
22	MP2B	X	5.669	1.5
23	MP2B	Z	9.819	1.5
24	MP2B	Mx	.003	1.5
25	MP2C	X	3.671	1.5
26	MP2C	Z	6.358	1.5
27	MP2C	Mx	-.004	1.5
28	MP3A	X	5.853	1.5
29	MP3A	Z	10.137	1.5
30	MP3A	Mx	.003	1.5
31	MP3B	X	5.853	1.5
32	MP3B	Z	10.137	1.5
33	MP3B	Mx	.003	1.5
34	MP3C	X	4.405	1.5
35	MP3C	Z	7.629	1.5
36	MP3C	Mx	-.004	1.5
37	MP2A	X	1.438	4
38	MP2A	Z	2.491	4
39	MP2A	Mx	.000719	4
40	MP2B	X	1.438	4
41	MP2B	Z	2.491	4
42	MP2B	Mx	.000719	4
43	MP2C	X	1.15	4
44	MP2C	Z	1.992	4
45	MP2C	Mx	-.001	4
46	MP1A	X	6.442	1.25
47	MP1A	Z	11.158	1.25
48	MP1A	Mx	-.003	1.25
49	MP1A	X	6.442	3.25
50	MP1A	Z	11.158	3.25
51	MP1A	Mx	-.003	3.25
52	MP1B	X	6.442	1.25
53	MP1B	Z	11.158	1.25
54	MP1B	Mx	-.003	1.25
55	MP1B	X	6.442	3.25
56	MP1B	Z	11.158	3.25
57	MP1B	Mx	-.003	3.25
58	MP1C	X	3.201	1.25
59	MP1C	Z	5.544	1.25
60	MP1C	Mx	.003	1.25
61	MP1C	X	3.201	3.25
62	MP1C	Z	5.544	3.25
63	MP1C	Mx	.003	3.25
64	MP2A	X	13.023	.25
65	MP2A	Z	22.556	.25
66	MP2A	Mx	-.022	.25
67	MP2A	X	13.023	3.25
68	MP2A	Z	22.556	3.25
69	MP2A	Mx	-.022	3.25
70	MP2B	X	13.023	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP2B	Z	22.556	.25
72	MP2B	Mx	.009	.25
73	MP2B	X	13.023	3.25
74	MP2B	Z	22.556	3.25
75	MP2B	Mx	.009	3.25
76	MP2C	X	9.647	.25
77	MP2C	Z	16.708	.25
78	MP2C	Mx	.01	.25
79	MP2C	X	9.647	3.25
80	MP2C	Z	16.708	3.25
81	MP2C	Mx	.01	3.25
82	MP2A	X	13.023	.25
83	MP2A	Z	22.556	.25
84	MP2A	Mx	.009	.25
85	MP2A	X	13.023	3.25
86	MP2A	Z	22.556	3.25
87	MP2A	Mx	.009	3.25
88	MP2B	X	13.023	.25
89	MP2B	Z	22.556	.25
90	MP2B	Mx	-.022	.25
91	MP2B	X	13.023	3.25
92	MP2B	Z	22.556	3.25
93	MP2B	Mx	-.022	3.25
94	MP2C	X	9.647	.25
95	MP2C	Z	16.708	.25
96	MP2C	Mx	.01	.25
97	MP2C	X	9.647	3.25
98	MP2C	Z	16.708	3.25
99	MP2C	Mx	.01	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	.25
2	MP4A	Z	25.261	.25
3	MP4A	Mx	0	.25
4	MP4A	X	0	4.25
5	MP4A	Z	25.261	4.25
6	MP4A	Mx	0	4.25
7	MP4B	X	0	.25
8	MP4B	Z	17.41	.25
9	MP4B	Mx	-.009	.25
10	MP4B	X	0	4.25
11	MP4B	Z	17.41	4.25
12	MP4B	Mx	-.009	4.25
13	MP4C	X	0	.25
14	MP4C	Z	19.373	.25
15	MP4C	Mx	.008	.25
16	MP4C	X	0	4.25
17	MP4C	Z	19.373	4.25
18	MP4C	Mx	.008	4.25
19	MP2A	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP2A	Z	12.671	1.5
21	MP2A	Mx	0	1.5
22	MP2B	X	0	1.5
23	MP2B	Z	8.674	1.5
24	MP2B	Mx	.004	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	8.674	1.5
27	MP2C	Mx	-.004	1.5
28	MP3A	X	0	1.5
29	MP3A	Z	12.671	1.5
30	MP3A	Mx	0	1.5
31	MP3B	X	0	1.5
32	MP3B	Z	9.774	1.5
33	MP3B	Mx	.004	1.5
34	MP3C	X	0	1.5
35	MP3C	Z	9.774	1.5
36	MP3C	Mx	-.004	1.5
37	MP2A	X	0	4
38	MP2A	Z	3.068	4
39	MP2A	Mx	0	4
40	MP2B	X	0	4
41	MP2B	Z	2.492	4
42	MP2B	Mx	.001	4
43	MP2C	X	0	4
44	MP2C	Z	2.492	4
45	MP2C	Mx	-.001	4
46	MP1A	X	0	1.25
47	MP1A	Z	15.045	1.25
48	MP1A	Mx	0	1.25
49	MP1A	X	0	3.25
50	MP1A	Z	15.045	3.25
51	MP1A	Mx	0	3.25
52	MP1B	X	0	1.25
53	MP1B	Z	8.562	1.25
54	MP1B	Mx	-.004	1.25
55	MP1B	X	0	3.25
56	MP1B	Z	8.562	3.25
57	MP1B	Mx	-.004	3.25
58	MP1C	X	0	1.25
59	MP1C	Z	8.562	1.25
60	MP1C	Mx	.004	1.25
61	MP1C	X	0	3.25
62	MP1C	Z	8.562	3.25
63	MP1C	Mx	.004	3.25
64	MP2A	X	0	.25
65	MP2A	Z	28.296	.25
66	MP2A	Mx	-.019	.25
67	MP2A	X	0	3.25
68	MP2A	Z	28.296	3.25
69	MP2A	Mx	-.019	3.25
70	MP2B	X	0	.25
71	MP2B	Z	21.544	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2B	Mx	-.002	.25
73	MP2B	X	0	3.25
74	MP2B	Z	21.544	3.25
75	MP2B	Mx	-.002	3.25
76	MP2C	X	0	.25
77	MP2C	Z	21.544	.25
78	MP2C	Mx	.017	.25
79	MP2C	X	0	3.25
80	MP2C	Z	21.544	3.25
81	MP2C	Mx	.017	3.25
82	MP2A	X	0	.25
83	MP2A	Z	28.296	.25
84	MP2A	Mx	.019	.25
85	MP2A	X	0	3.25
86	MP2A	Z	28.296	3.25
87	MP2A	Mx	.019	3.25
88	MP2B	X	0	.25
89	MP2B	Z	21.544	.25
90	MP2B	Mx	-.017	.25
91	MP2B	X	0	3.25
92	MP2B	Z	21.544	3.25
93	MP2B	Mx	-.017	3.25
94	MP2C	X	0	.25
95	MP2C	Z	21.544	.25
96	MP2C	Mx	.002	.25
97	MP2C	X	0	3.25
98	MP2C	Z	21.544	3.25
99	MP2C	Mx	.002	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-11.649	.25
2	MP4A	Z	20.177	.25
3	MP4A	Mx	.006	.25
4	MP4A	X	-11.649	4.25
5	MP4A	Z	20.177	4.25
6	MP4A	Mx	.006	4.25
7	MP4B	X	-9.687	.25
8	MP4B	Z	16.778	.25
9	MP4B	Mx	-.008	.25
10	MP4B	X	-9.687	4.25
11	MP4B	Z	16.778	4.25
12	MP4B	Mx	-.008	4.25
13	MP4C	X	-11.649	.25
14	MP4C	Z	20.177	.25
15	MP4C	Mx	.006	.25
16	MP4C	X	-11.649	4.25
17	MP4C	Z	20.177	4.25
18	MP4C	Mx	.006	4.25
19	MP2A	X	-5.669	1.5
20	MP2A	Z	9.819	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP2A	Mx	-.003	1.5
22	MP2B	X	-3.671	1.5
23	MP2B	Z	6.358	1.5
24	MP2B	Mx	.004	1.5
25	MP2C	X	-5.669	1.5
26	MP2C	Z	9.819	1.5
27	MP2C	Mx	-.003	1.5
28	MP3A	X	-5.853	1.5
29	MP3A	Z	10.137	1.5
30	MP3A	Mx	-.003	1.5
31	MP3B	X	-4.405	1.5
32	MP3B	Z	7.629	1.5
33	MP3B	Mx	.004	1.5
34	MP3C	X	-5.853	1.5
35	MP3C	Z	10.137	1.5
36	MP3C	Mx	-.003	1.5
37	MP2A	X	-1.438	4
38	MP2A	Z	2.491	4
39	MP2A	Mx	-.000719	4
40	MP2B	X	-1.15	4
41	MP2B	Z	1.992	4
42	MP2B	Mx	.001	4
43	MP2C	X	-1.438	4
44	MP2C	Z	2.491	4
45	MP2C	Mx	-.000719	4
46	MP1A	X	-6.442	1.25
47	MP1A	Z	11.158	1.25
48	MP1A	Mx	.003	1.25
49	MP1A	X	-6.442	3.25
50	MP1A	Z	11.158	3.25
51	MP1A	Mx	.003	3.25
52	MP1B	X	-3.201	1.25
53	MP1B	Z	5.544	1.25
54	MP1B	Mx	-.003	1.25
55	MP1B	X	-3.201	3.25
56	MP1B	Z	5.544	3.25
57	MP1B	Mx	-.003	3.25
58	MP1C	X	-6.442	1.25
59	MP1C	Z	11.158	1.25
60	MP1C	Mx	.003	1.25
61	MP1C	X	-6.442	3.25
62	MP1C	Z	11.158	3.25
63	MP1C	Mx	.003	3.25
64	MP2A	X	-13.023	.25
65	MP2A	Z	22.556	.25
66	MP2A	Mx	-.009	.25
67	MP2A	X	-13.023	3.25
68	MP2A	Z	22.556	3.25
69	MP2A	Mx	-.009	3.25
70	MP2B	X	-9.647	.25
71	MP2B	Z	16.708	.25
72	MP2B	Mx	-.01	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP2B	X	-9.647	3.25
74	MP2B	Z	16.708	3.25
75	MP2B	Mx	-.01	3.25
76	MP2C	X	-13.023	.25
77	MP2C	Z	22.556	.25
78	MP2C	Mx	.022	.25
79	MP2C	X	-13.023	3.25
80	MP2C	Z	22.556	3.25
81	MP2C	Mx	.022	3.25
82	MP2A	X	-13.023	.25
83	MP2A	Z	22.556	.25
84	MP2A	Mx	.022	.25
85	MP2A	X	-13.023	3.25
86	MP2A	Z	22.556	3.25
87	MP2A	Mx	.022	3.25
88	MP2B	X	-9.647	.25
89	MP2B	Z	16.708	.25
90	MP2B	Mx	-.01	.25
91	MP2B	X	-9.647	3.25
92	MP2B	Z	16.708	3.25
93	MP2B	Mx	-.01	3.25
94	MP2C	X	-13.023	.25
95	MP2C	Z	22.556	.25
96	MP2C	Mx	-.009	.25
97	MP2C	X	-13.023	3.25
98	MP2C	Z	22.556	3.25
99	MP2C	Mx	-.009	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-16.778	.25
2	MP4A	Z	9.687	.25
3	MP4A	Mx	.008	.25
4	MP4A	X	-16.778	4.25
5	MP4A	Z	9.687	4.25
6	MP4A	Mx	.008	4.25
7	MP4B	X	-20.177	.25
8	MP4B	Z	11.649	.25
9	MP4B	Mx	-.006	.25
10	MP4B	X	-20.177	4.25
11	MP4B	Z	11.649	4.25
12	MP4B	Mx	-.006	4.25
13	MP4C	X	-21.877	.25
14	MP4C	Z	12.63	.25
15	MP4C	Mx	0	.25
16	MP4C	X	-21.877	4.25
17	MP4C	Z	12.63	4.25
18	MP4C	Mx	0	4.25
19	MP2A	X	-7.512	1.5
20	MP2A	Z	4.337	1.5
21	MP2A	Mx	-.004	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2B	X	-7.512	1.5
23	MP2B	Z	4.337	1.5
24	MP2B	Mx	.004	1.5
25	MP2C	X	-10.973	1.5
26	MP2C	Z	6.335	1.5
27	MP2C	Mx	0	1.5
28	MP3A	X	-8.465	1.5
29	MP3A	Z	4.887	1.5
30	MP3A	Mx	-.004	1.5
31	MP3B	X	-8.465	1.5
32	MP3B	Z	4.887	1.5
33	MP3B	Mx	.004	1.5
34	MP3C	X	-10.973	1.5
35	MP3C	Z	6.335	1.5
36	MP3C	Mx	0	1.5
37	MP2A	X	-2.158	4
38	MP2A	Z	1.246	4
39	MP2A	Mx	-.001	4
40	MP2B	X	-2.158	4
41	MP2B	Z	1.246	4
42	MP2B	Mx	.001	4
43	MP2C	X	-2.657	4
44	MP2C	Z	1.534	4
45	MP2C	Mx	0	4
46	MP1A	X	-7.415	1.25
47	MP1A	Z	4.281	1.25
48	MP1A	Mx	.004	1.25
49	MP1A	X	-7.415	3.25
50	MP1A	Z	4.281	3.25
51	MP1A	Mx	.004	3.25
52	MP1B	X	-7.415	1.25
53	MP1B	Z	4.281	1.25
54	MP1B	Mx	-.004	1.25
55	MP1B	X	-7.415	3.25
56	MP1B	Z	4.281	3.25
57	MP1B	Mx	-.004	3.25
58	MP1C	X	-13.029	1.25
59	MP1C	Z	7.522	1.25
60	MP1C	Mx	0	1.25
61	MP1C	X	-13.029	3.25
62	MP1C	Z	7.522	3.25
63	MP1C	Mx	0	3.25
64	MP2A	X	-18.657	.25
65	MP2A	Z	10.772	.25
66	MP2A	Mx	.002	.25
67	MP2A	X	-18.657	3.25
68	MP2A	Z	10.772	3.25
69	MP2A	Mx	.002	3.25
70	MP2B	X	-18.657	.25
71	MP2B	Z	10.772	.25
72	MP2B	Mx	-.017	.25
73	MP2B	X	-18.657	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2B	Z	10.772	3.25
75	MP2B	Mx	-.017	3.25
76	MP2C	X	-24.505	.25
77	MP2C	Z	14.148	.25
78	MP2C	Mx	.019	.25
79	MP2C	X	-24.505	3.25
80	MP2C	Z	14.148	3.25
81	MP2C	Mx	.019	3.25
82	MP2A	X	-18.657	.25
83	MP2A	Z	10.772	.25
84	MP2A	Mx	.017	.25
85	MP2A	X	-18.657	3.25
86	MP2A	Z	10.772	3.25
87	MP2A	Mx	.017	3.25
88	MP2B	X	-18.657	.25
89	MP2B	Z	10.772	.25
90	MP2B	Mx	-.002	.25
91	MP2B	X	-18.657	3.25
92	MP2B	Z	10.772	3.25
93	MP2B	Mx	-.002	3.25
94	MP2C	X	-24.505	.25
95	MP2C	Z	14.148	.25
96	MP2C	Mx	-.019	.25
97	MP2C	X	-24.505	3.25
98	MP2C	Z	14.148	3.25
99	MP2C	Mx	-.019	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-17.41	.25
2	MP4A	Z	0	.25
3	MP4A	Mx	.009	.25
4	MP4A	X	-17.41	4.25
5	MP4A	Z	0	4.25
6	MP4A	Mx	.009	4.25
7	MP4B	X	-25.261	.25
8	MP4B	Z	0	.25
9	MP4B	Mx	0	.25
10	MP4B	X	-25.261	4.25
11	MP4B	Z	0	4.25
12	MP4B	Mx	0	4.25
13	MP4C	X	-23.298	.25
14	MP4C	Z	0	.25
15	MP4C	Mx	-.006	.25
16	MP4C	X	-23.298	4.25
17	MP4C	Z	0	4.25
18	MP4C	Mx	-.006	4.25
19	MP2A	X	-7.342	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.004	1.5
22	MP2B	X	-11.338	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2B	Z	0	1.5
24	MP2B	Mx	.003	1.5
25	MP2C	X	-11.338	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	.003	1.5
28	MP3A	X	-8.809	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	-.004	1.5
31	MP3B	X	-11.705	1.5
32	MP3B	Z	0	1.5
33	MP3B	Mx	.003	1.5
34	MP3C	X	-11.705	1.5
35	MP3C	Z	0	1.5
36	MP3C	Mx	.003	1.5
37	MP2A	X	-2.3	4
38	MP2A	Z	0	4
39	MP2A	Mx	-.001	4
40	MP2B	X	-2.876	4
41	MP2B	Z	0	4
42	MP2B	Mx	.000719	4
43	MP2C	X	-2.876	4
44	MP2C	Z	0	4
45	MP2C	Mx	.000719	4
46	MP1A	X	-6.401	1.25
47	MP1A	Z	0	1.25
48	MP1A	Mx	.003	1.25
49	MP1A	X	-6.401	3.25
50	MP1A	Z	0	3.25
51	MP1A	Mx	.003	3.25
52	MP1B	X	-12.884	1.25
53	MP1B	Z	0	1.25
54	MP1B	Mx	-.003	1.25
55	MP1B	X	-12.884	3.25
56	MP1B	Z	0	3.25
57	MP1B	Mx	-.003	3.25
58	MP1C	X	-12.884	1.25
59	MP1C	Z	0	1.25
60	MP1C	Mx	-.003	1.25
61	MP1C	X	-12.884	3.25
62	MP1C	Z	0	3.25
63	MP1C	Mx	-.003	3.25
64	MP2A	X	-19.293	.25
65	MP2A	Z	0	.25
66	MP2A	Mx	.01	.25
67	MP2A	X	-19.293	3.25
68	MP2A	Z	0	3.25
69	MP2A	Mx	.01	3.25
70	MP2B	X	-26.045	.25
71	MP2B	Z	0	.25
72	MP2B	Mx	-.022	.25
73	MP2B	X	-26.045	3.25
74	MP2B	Z	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2B	Mx	-.022	3.25
76	MP2C	X	-26.045	.25
77	MP2C	Z	0	.25
78	MP2C	Mx	.009	.25
79	MP2C	X	-26.045	3.25
80	MP2C	Z	0	3.25
81	MP2C	Mx	.009	3.25
82	MP2A	X	-19.293	.25
83	MP2A	Z	0	.25
84	MP2A	Mx	.01	.25
85	MP2A	X	-19.293	3.25
86	MP2A	Z	0	3.25
87	MP2A	Mx	.01	3.25
88	MP2B	X	-26.045	.25
89	MP2B	Z	0	.25
90	MP2B	Mx	.009	.25
91	MP2B	X	-26.045	3.25
92	MP2B	Z	0	3.25
93	MP2B	Mx	.009	3.25
94	MP2C	X	-26.045	.25
95	MP2C	Z	0	.25
96	MP2C	Mx	-.022	.25
97	MP2C	X	-26.045	3.25
98	MP2C	Z	0	3.25
99	MP2C	Mx	-.022	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-16.778	.25
2	MP4A	Z	-9.687	.25
3	MP4A	Mx	.008	.25
4	MP4A	X	-16.778	4.25
5	MP4A	Z	-9.687	4.25
6	MP4A	Mx	.008	4.25
7	MP4B	X	-20.177	.25
8	MP4B	Z	-11.649	.25
9	MP4B	Mx	.006	.25
10	MP4B	X	-20.177	4.25
11	MP4B	Z	-11.649	4.25
12	MP4B	Mx	.006	4.25
13	MP4C	X	-16.778	.25
14	MP4C	Z	-9.687	.25
15	MP4C	Mx	-.008	.25
16	MP4C	X	-16.778	4.25
17	MP4C	Z	-9.687	4.25
18	MP4C	Mx	-.008	4.25
19	MP2A	X	-7.512	1.5
20	MP2A	Z	-4.337	1.5
21	MP2A	Mx	-.004	1.5
22	MP2B	X	-10.973	1.5
23	MP2B	Z	-6.335	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2B	Mx	0	1.5
25	MP2C	X	-7.512	1.5
26	MP2C	Z	-4.337	1.5
27	MP2C	Mx	.004	1.5
28	MP3A	X	-8.465	1.5
29	MP3A	Z	-4.887	1.5
30	MP3A	Mx	-.004	1.5
31	MP3B	X	-10.973	1.5
32	MP3B	Z	-6.335	1.5
33	MP3B	Mx	0	1.5
34	MP3C	X	-8.465	1.5
35	MP3C	Z	-4.887	1.5
36	MP3C	Mx	.004	1.5
37	MP2A	X	-2.158	4
38	MP2A	Z	-1.246	4
39	MP2A	Mx	-.001	4
40	MP2B	X	-2.657	4
41	MP2B	Z	-1.534	4
42	MP2B	Mx	0	4
43	MP2C	X	-2.158	4
44	MP2C	Z	-1.246	4
45	MP2C	Mx	.001	4
46	MP1A	X	-7.415	1.25
47	MP1A	Z	-4.281	1.25
48	MP1A	Mx	.004	1.25
49	MP1A	X	-7.415	3.25
50	MP1A	Z	-4.281	3.25
51	MP1A	Mx	.004	3.25
52	MP1B	X	-13.029	1.25
53	MP1B	Z	-7.522	1.25
54	MP1B	Mx	0	1.25
55	MP1B	X	-13.029	3.25
56	MP1B	Z	-7.522	3.25
57	MP1B	Mx	0	3.25
58	MP1C	X	-7.415	1.25
59	MP1C	Z	-4.281	1.25
60	MP1C	Mx	-.004	1.25
61	MP1C	X	-7.415	3.25
62	MP1C	Z	-4.281	3.25
63	MP1C	Mx	-.004	3.25
64	MP2A	X	-18.657	.25
65	MP2A	Z	-10.772	.25
66	MP2A	Mx	.017	.25
67	MP2A	X	-18.657	3.25
68	MP2A	Z	-10.772	3.25
69	MP2A	Mx	.017	3.25
70	MP2B	X	-24.505	.25
71	MP2B	Z	-14.148	.25
72	MP2B	Mx	-.019	.25
73	MP2B	X	-24.505	3.25
74	MP2B	Z	-14.148	3.25
75	MP2B	Mx	-.019	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP2C	X	-18.657	.25
77	MP2C	Z	-10.772	.25
78	MP2C	Mx	-.002	.25
79	MP2C	X	-18.657	3.25
80	MP2C	Z	-10.772	3.25
81	MP2C	Mx	-.002	3.25
82	MP2A	X	-18.657	.25
83	MP2A	Z	-10.772	.25
84	MP2A	Mx	.002	.25
85	MP2A	X	-18.657	3.25
86	MP2A	Z	-10.772	3.25
87	MP2A	Mx	.002	3.25
88	MP2B	X	-24.505	.25
89	MP2B	Z	-14.148	.25
90	MP2B	Mx	.019	.25
91	MP2B	X	-24.505	3.25
92	MP2B	Z	-14.148	3.25
93	MP2B	Mx	.019	3.25
94	MP2C	X	-18.657	.25
95	MP2C	Z	-10.772	.25
96	MP2C	Mx	-.017	.25
97	MP2C	X	-18.657	3.25
98	MP2C	Z	-10.772	3.25
99	MP2C	Mx	-.017	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-11.649	.25
2	MP4A	Z	-20.177	.25
3	MP4A	Mx	.006	.25
4	MP4A	X	-11.649	4.25
5	MP4A	Z	-20.177	4.25
6	MP4A	Mx	.006	4.25
7	MP4B	X	-9.687	.25
8	MP4B	Z	-16.778	.25
9	MP4B	Mx	.008	.25
10	MP4B	X	-9.687	4.25
11	MP4B	Z	-16.778	4.25
12	MP4B	Mx	.008	4.25
13	MP4C	X	-8.705	.25
14	MP4C	Z	-15.078	.25
15	MP4C	Mx	-.009	.25
16	MP4C	X	-8.705	4.25
17	MP4C	Z	-15.078	4.25
18	MP4C	Mx	-.009	4.25
19	MP2A	X	-5.669	1.5
20	MP2A	Z	-9.819	1.5
21	MP2A	Mx	-.003	1.5
22	MP2B	X	-5.669	1.5
23	MP2B	Z	-9.819	1.5
24	MP2B	Mx	-.003	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2C	X	-3.671	1.5
26	MP2C	Z	-6.358	1.5
27	MP2C	Mx	.004	1.5
28	MP3A	X	-5.853	1.5
29	MP3A	Z	-10.137	1.5
30	MP3A	Mx	-.003	1.5
31	MP3B	X	-5.853	1.5
32	MP3B	Z	-10.137	1.5
33	MP3B	Mx	-.003	1.5
34	MP3C	X	-4.405	1.5
35	MP3C	Z	-7.629	1.5
36	MP3C	Mx	.004	1.5
37	MP2A	X	-1.438	4
38	MP2A	Z	-2.491	4
39	MP2A	Mx	-.000719	4
40	MP2B	X	-1.438	4
41	MP2B	Z	-2.491	4
42	MP2B	Mx	-.000719	4
43	MP2C	X	-1.15	4
44	MP2C	Z	-1.992	4
45	MP2C	Mx	.001	4
46	MP1A	X	-6.442	1.25
47	MP1A	Z	-11.158	1.25
48	MP1A	Mx	.003	1.25
49	MP1A	X	-6.442	3.25
50	MP1A	Z	-11.158	3.25
51	MP1A	Mx	.003	3.25
52	MP1B	X	-6.442	1.25
53	MP1B	Z	-11.158	1.25
54	MP1B	Mx	.003	1.25
55	MP1B	X	-6.442	3.25
56	MP1B	Z	-11.158	3.25
57	MP1B	Mx	.003	3.25
58	MP1C	X	-3.201	1.25
59	MP1C	Z	-5.544	1.25
60	MP1C	Mx	-.003	1.25
61	MP1C	X	-3.201	3.25
62	MP1C	Z	-5.544	3.25
63	MP1C	Mx	-.003	3.25
64	MP2A	X	-13.023	.25
65	MP2A	Z	-22.556	.25
66	MP2A	Mx	.022	.25
67	MP2A	X	-13.023	3.25
68	MP2A	Z	-22.556	3.25
69	MP2A	Mx	.022	3.25
70	MP2B	X	-13.023	.25
71	MP2B	Z	-22.556	.25
72	MP2B	Mx	-.009	.25
73	MP2B	X	-13.023	3.25
74	MP2B	Z	-22.556	3.25
75	MP2B	Mx	-.009	3.25
76	MP2C	X	-9.647	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP2C	Z	-16.708	.25
78	MP2C	Mx	-.01	.25
79	MP2C	X	-9.647	3.25
80	MP2C	Z	-16.708	3.25
81	MP2C	Mx	-.01	3.25
82	MP2A	X	-13.023	.25
83	MP2A	Z	-22.556	.25
84	MP2A	Mx	-.009	.25
85	MP2A	X	-13.023	3.25
86	MP2A	Z	-22.556	3.25
87	MP2A	Mx	-.009	3.25
88	MP2B	X	-13.023	.25
89	MP2B	Z	-22.556	.25
90	MP2B	Mx	.022	.25
91	MP2B	X	-13.023	3.25
92	MP2B	Z	-22.556	3.25
93	MP2B	Mx	.022	3.25
94	MP2C	X	-9.647	.25
95	MP2C	Z	-16.708	.25
96	MP2C	Mx	-.01	.25
97	MP2C	X	-9.647	3.25
98	MP2C	Z	-16.708	3.25
99	MP2C	Mx	-.01	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	.25
2	MP4A	Z	-8.265	.25
3	MP4A	Mx	0	.25
4	MP4A	X	0	4.25
5	MP4A	Z	-8.265	4.25
6	MP4A	Mx	0	4.25
7	MP4B	X	0	.25
8	MP4B	Z	-5.457	.25
9	MP4B	Mx	.003	.25
10	MP4B	X	0	4.25
11	MP4B	Z	-5.457	4.25
12	MP4B	Mx	.003	4.25
13	MP4C	X	0	.25
14	MP4C	Z	-6.159	.25
15	MP4C	Mx	-.003	.25
16	MP4C	X	0	4.25
17	MP4C	Z	-6.159	4.25
18	MP4C	Mx	-.003	4.25
19	MP2A	X	0	1.5
20	MP2A	Z	-3.821	1.5
21	MP2A	Mx	0	1.5
22	MP2B	X	0	1.5
23	MP2B	Z	-2.507	1.5
24	MP2B	Mx	-.001	1.5
25	MP2C	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2C	Z	-2.507	1.5
27	MP2C	Mx	.001	1.5
28	MP3A	X	0	1.5
29	MP3A	Z	-3.821	1.5
30	MP3A	Mx	0	1.5
31	MP3B	X	0	1.5
32	MP3B	Z	-2.871	1.5
33	MP3B	Mx	-.001	1.5
34	MP3C	X	0	1.5
35	MP3C	Z	-2.871	1.5
36	MP3C	Mx	.001	1.5
37	MP2A	X	0	4
38	MP2A	Z	-.756	4
39	MP2A	Mx	0	4
40	MP2B	X	0	4
41	MP2B	Z	-.581	4
42	MP2B	Mx	-.000252	4
43	MP2C	X	0	4
44	MP2C	Z	-.581	4
45	MP2C	Mx	.000252	4
46	MP1A	X	0	1.25
47	MP1A	Z	-4.801	1.25
48	MP1A	Mx	0	1.25
49	MP1A	X	0	3.25
50	MP1A	Z	-4.801	3.25
51	MP1A	Mx	0	3.25
52	MP1B	X	0	1.25
53	MP1B	Z	-2.61	1.25
54	MP1B	Mx	.001	1.25
55	MP1B	X	0	3.25
56	MP1B	Z	-2.61	3.25
57	MP1B	Mx	.001	3.25
58	MP1C	X	0	1.25
59	MP1C	Z	-2.61	1.25
60	MP1C	Mx	-.001	1.25
61	MP1C	X	0	3.25
62	MP1C	Z	-2.61	3.25
63	MP1C	Mx	-.001	3.25
64	MP2A	X	0	.25
65	MP2A	Z	-9.307	.25
66	MP2A	Mx	.006	.25
67	MP2A	X	0	3.25
68	MP2A	Z	-9.307	3.25
69	MP2A	Mx	.006	3.25
70	MP2B	X	0	.25
71	MP2B	Z	-6.911	.25
72	MP2B	Mx	.000689	.25
73	MP2B	X	0	3.25
74	MP2B	Z	-6.911	3.25
75	MP2B	Mx	.000689	3.25
76	MP2C	X	0	.25
77	MP2C	Z	-6.911	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP2C	Mx	-.005	.25
79	MP2C	X	0	3.25
80	MP2C	Z	-6.911	3.25
81	MP2C	Mx	-.005	3.25
82	MP2A	X	0	.25
83	MP2A	Z	-9.307	.25
84	MP2A	Mx	-.006	.25
85	MP2A	X	0	3.25
86	MP2A	Z	-9.307	3.25
87	MP2A	Mx	-.006	3.25
88	MP2B	X	0	.25
89	MP2B	Z	-6.911	.25
90	MP2B	Mx	.005	.25
91	MP2B	X	0	3.25
92	MP2B	Z	-6.911	3.25
93	MP2B	Mx	.005	3.25
94	MP2C	X	0	.25
95	MP2C	Z	-6.911	.25
96	MP2C	Mx	-.000689	.25
97	MP2C	X	0	3.25
98	MP2C	Z	-6.911	3.25
99	MP2C	Mx	-.000689	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	3.781	.25
2	MP4A	Z	-6.55	.25
3	MP4A	Mx	-.002	.25
4	MP4A	X	3.781	4.25
5	MP4A	Z	-6.55	4.25
6	MP4A	Mx	-.002	4.25
7	MP4B	X	3.079	.25
8	MP4B	Z	-5.334	.25
9	MP4B	Mx	.003	.25
10	MP4B	X	3.079	4.25
11	MP4B	Z	-5.334	4.25
12	MP4B	Mx	.003	4.25
13	MP4C	X	3.781	.25
14	MP4C	Z	-6.55	.25
15	MP4C	Mx	-.002	.25
16	MP4C	X	3.781	4.25
17	MP4C	Z	-6.55	4.25
18	MP4C	Mx	-.002	4.25
19	MP2A	X	1.691	1.5
20	MP2A	Z	-2.93	1.5
21	MP2A	Mx	.000846	1.5
22	MP2B	X	1.034	1.5
23	MP2B	Z	-1.792	1.5
24	MP2B	Mx	-.001	1.5
25	MP2C	X	1.691	1.5
26	MP2C	Z	-2.93	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2C	Mx	.000846	1.5
28	MP3A	X	1.752	1.5
29	MP3A	Z	-3.035	1.5
30	MP3A	Mx	.000876	1.5
31	MP3B	X	1.277	1.5
32	MP3B	Z	-2.212	1.5
33	MP3B	Mx	-.001	1.5
34	MP3C	X	1.752	1.5
35	MP3C	Z	-3.035	1.5
36	MP3C	Mx	.000876	1.5
37	MP2A	X	.349	4
38	MP2A	Z	-.604	4
39	MP2A	Mx	.000174	4
40	MP2B	X	.262	4
41	MP2B	Z	-.453	4
42	MP2B	Mx	-.000262	4
43	MP2C	X	.349	4
44	MP2C	Z	-.604	4
45	MP2C	Mx	.000174	4
46	MP1A	X	2.036	1.25
47	MP1A	Z	-3.526	1.25
48	MP1A	Mx	-.001	1.25
49	MP1A	X	2.036	3.25
50	MP1A	Z	-3.526	3.25
51	MP1A	Mx	-.001	3.25
52	MP1B	X	.94	1.25
53	MP1B	Z	-1.628	1.25
54	MP1B	Mx	.00094	1.25
55	MP1B	X	.94	3.25
56	MP1B	Z	-1.628	3.25
57	MP1B	Mx	.00094	3.25
58	MP1C	X	2.036	1.25
59	MP1C	Z	-3.526	1.25
60	MP1C	Mx	-.001	1.25
61	MP1C	X	2.036	3.25
62	MP1C	Z	-3.526	3.25
63	MP1C	Mx	-.001	3.25
64	MP2A	X	4.254	.25
65	MP2A	Z	-7.368	.25
66	MP2A	Mx	.003	.25
67	MP2A	X	4.254	3.25
68	MP2A	Z	-7.368	3.25
69	MP2A	Mx	.003	3.25
70	MP2B	X	3.056	.25
71	MP2B	Z	-5.294	.25
72	MP2B	Mx	.003	.25
73	MP2B	X	3.056	3.25
74	MP2B	Z	-5.294	3.25
75	MP2B	Mx	.003	3.25
76	MP2C	X	4.254	.25
77	MP2C	Z	-7.368	.25
78	MP2C	Mx	-.007	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP2C	X	4.254	3.25
80	MP2C	Z	-7.368	3.25
81	MP2C	Mx	-.007	3.25
82	MP2A	X	4.254	.25
83	MP2A	Z	-7.368	.25
84	MP2A	Mx	-.007	.25
85	MP2A	X	4.254	3.25
86	MP2A	Z	-7.368	3.25
87	MP2A	Mx	-.007	3.25
88	MP2B	X	3.056	.25
89	MP2B	Z	-5.294	.25
90	MP2B	Mx	.003	.25
91	MP2B	X	3.056	3.25
92	MP2B	Z	-5.294	3.25
93	MP2B	Mx	.003	3.25
94	MP2C	X	4.254	.25
95	MP2C	Z	-7.368	.25
96	MP2C	Mx	.003	.25
97	MP2C	X	4.254	3.25
98	MP2C	Z	-7.368	3.25
99	MP2C	Mx	.003	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	5.334	.25
2	MP4A	Z	-3.079	.25
3	MP4A	Mx	-.003	.25
4	MP4A	X	5.334	4.25
5	MP4A	Z	-3.079	4.25
6	MP4A	Mx	-.003	4.25
7	MP4B	X	6.55	.25
8	MP4B	Z	-3.781	.25
9	MP4B	Mx	.002	.25
10	MP4B	X	6.55	4.25
11	MP4B	Z	-3.781	4.25
12	MP4B	Mx	.002	4.25
13	MP4C	X	7.157	.25
14	MP4C	Z	-4.132	.25
15	MP4C	Mx	0	.25
16	MP4C	X	7.157	4.25
17	MP4C	Z	-4.132	4.25
18	MP4C	Mx	0	4.25
19	MP2A	X	2.171	1.5
20	MP2A	Z	-1.253	1.5
21	MP2A	Mx	.001	1.5
22	MP2B	X	2.171	1.5
23	MP2B	Z	-1.253	1.5
24	MP2B	Mx	-.001	1.5
25	MP2C	X	3.309	1.5
26	MP2C	Z	-1.91	1.5
27	MP2C	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP3A	X	2.486	1.5
29	MP3A	Z	-1.435	1.5
30	MP3A	Mx	.001	1.5
31	MP3B	X	2.486	1.5
32	MP3B	Z	-1.435	1.5
33	MP3B	Mx	-.001	1.5
34	MP3C	X	3.309	1.5
35	MP3C	Z	-1.91	1.5
36	MP3C	Mx	0	1.5
37	MP2A	X	.503	4
38	MP2A	Z	-.291	4
39	MP2A	Mx	.000252	4
40	MP2B	X	.503	4
41	MP2B	Z	-.291	4
42	MP2B	Mx	-.000252	4
43	MP2C	X	.655	4
44	MP2C	Z	-.378	4
45	MP2C	Mx	0	4
46	MP1A	X	2.26	1.25
47	MP1A	Z	-1.305	1.25
48	MP1A	Mx	-.001	1.25
49	MP1A	X	2.26	3.25
50	MP1A	Z	-1.305	3.25
51	MP1A	Mx	-.001	3.25
52	MP1B	X	2.26	1.25
53	MP1B	Z	-1.305	1.25
54	MP1B	Mx	.001	1.25
55	MP1B	X	2.26	3.25
56	MP1B	Z	-1.305	3.25
57	MP1B	Mx	.001	3.25
58	MP1C	X	4.158	1.25
59	MP1C	Z	-2.401	1.25
60	MP1C	Mx	0	1.25
61	MP1C	X	4.158	3.25
62	MP1C	Z	-2.401	3.25
63	MP1C	Mx	0	3.25
64	MP2A	X	5.985	.25
65	MP2A	Z	-3.456	.25
66	MP2A	Mx	-.000689	.25
67	MP2A	X	5.985	3.25
68	MP2A	Z	-3.456	3.25
69	MP2A	Mx	-.000689	3.25
70	MP2B	X	5.985	.25
71	MP2B	Z	-3.456	.25
72	MP2B	Mx	.005	.25
73	MP2B	X	5.985	3.25
74	MP2B	Z	-3.456	3.25
75	MP2B	Mx	.005	3.25
76	MP2C	X	8.06	.25
77	MP2C	Z	-4.653	.25
78	MP2C	Mx	-.006	.25
79	MP2C	X	8.06	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP2C	Z	-4.653	3.25
81	MP2C	Mx	-.006	3.25
82	MP2A	X	5.985	.25
83	MP2A	Z	-3.456	.25
84	MP2A	Mx	-.005	.25
85	MP2A	X	5.985	3.25
86	MP2A	Z	-3.456	3.25
87	MP2A	Mx	-.005	3.25
88	MP2B	X	5.985	.25
89	MP2B	Z	-3.456	.25
90	MP2B	Mx	.000689	.25
91	MP2B	X	5.985	3.25
92	MP2B	Z	-3.456	3.25
93	MP2B	Mx	.000689	3.25
94	MP2C	X	8.06	.25
95	MP2C	Z	-4.653	.25
96	MP2C	Mx	.006	.25
97	MP2C	X	8.06	3.25
98	MP2C	Z	-4.653	3.25
99	MP2C	Mx	.006	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	5.457	.25
2	MP4A	Z	0	.25
3	MP4A	Mx	-.003	.25
4	MP4A	X	5.457	4.25
5	MP4A	Z	0	4.25
6	MP4A	Mx	-.003	4.25
7	MP4B	X	8.265	.25
8	MP4B	Z	0	.25
9	MP4B	Mx	0	.25
10	MP4B	X	8.265	4.25
11	MP4B	Z	0	4.25
12	MP4B	Mx	0	4.25
13	MP4C	X	7.563	.25
14	MP4C	Z	0	.25
15	MP4C	Mx	.002	.25
16	MP4C	X	7.563	4.25
17	MP4C	Z	0	4.25
18	MP4C	Mx	.002	4.25
19	MP2A	X	2.069	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.001	1.5
22	MP2B	X	3.383	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	-.000846	1.5
25	MP2C	X	3.383	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	-.000846	1.5
28	MP3A	X	2.554	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3A	Z	0	1.5
30	MP3A	Mx	.001	1.5
31	MP3B	X	3.504	1.5
32	MP3B	Z	0	1.5
33	MP3B	Mx	-.000876	1.5
34	MP3C	X	3.504	1.5
35	MP3C	Z	0	1.5
36	MP3C	Mx	-.000876	1.5
37	MP2A	X	.523	4
38	MP2A	Z	0	4
39	MP2A	Mx	.000262	4
40	MP2B	X	.698	4
41	MP2B	Z	0	4
42	MP2B	Mx	-.000174	4
43	MP2C	X	.698	4
44	MP2C	Z	0	4
45	MP2C	Mx	-.000174	4
46	MP1A	X	1.88	1.25
47	MP1A	Z	0	1.25
48	MP1A	Mx	-.00094	1.25
49	MP1A	X	1.88	3.25
50	MP1A	Z	0	3.25
51	MP1A	Mx	-.00094	3.25
52	MP1B	X	4.071	1.25
53	MP1B	Z	0	1.25
54	MP1B	Mx	.001	1.25
55	MP1B	X	4.071	3.25
56	MP1B	Z	0	3.25
57	MP1B	Mx	.001	3.25
58	MP1C	X	4.071	1.25
59	MP1C	Z	0	1.25
60	MP1C	Mx	.001	1.25
61	MP1C	X	4.071	3.25
62	MP1C	Z	0	3.25
63	MP1C	Mx	.001	3.25
64	MP2A	X	6.113	.25
65	MP2A	Z	0	.25
66	MP2A	Mx	-.003	.25
67	MP2A	X	6.113	3.25
68	MP2A	Z	0	3.25
69	MP2A	Mx	-.003	3.25
70	MP2B	X	8.508	.25
71	MP2B	Z	0	.25
72	MP2B	Mx	.007	.25
73	MP2B	X	8.508	3.25
74	MP2B	Z	0	3.25
75	MP2B	Mx	.007	3.25
76	MP2C	X	8.508	.25
77	MP2C	Z	0	.25
78	MP2C	Mx	-.003	.25
79	MP2C	X	8.508	3.25
80	MP2C	Z	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2C	Mx	-.003	3.25
82	MP2A	X	6.113	.25
83	MP2A	Z	0	.25
84	MP2A	Mx	-.003	.25
85	MP2A	X	6.113	3.25
86	MP2A	Z	0	3.25
87	MP2A	Mx	-.003	3.25
88	MP2B	X	8.508	.25
89	MP2B	Z	0	.25
90	MP2B	Mx	-.003	.25
91	MP2B	X	8.508	3.25
92	MP2B	Z	0	3.25
93	MP2B	Mx	-.003	3.25
94	MP2C	X	8.508	.25
95	MP2C	Z	0	.25
96	MP2C	Mx	.007	.25
97	MP2C	X	8.508	3.25
98	MP2C	Z	0	3.25
99	MP2C	Mx	.007	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	5.334	.25
2	MP4A	Z	3.079	.25
3	MP4A	Mx	-.003	.25
4	MP4A	X	5.334	4.25
5	MP4A	Z	3.079	4.25
6	MP4A	Mx	-.003	4.25
7	MP4B	X	6.55	.25
8	MP4B	Z	3.781	.25
9	MP4B	Mx	-.002	.25
10	MP4B	X	6.55	4.25
11	MP4B	Z	3.781	4.25
12	MP4B	Mx	-.002	4.25
13	MP4C	X	5.334	.25
14	MP4C	Z	3.079	.25
15	MP4C	Mx	.003	.25
16	MP4C	X	5.334	4.25
17	MP4C	Z	3.079	4.25
18	MP4C	Mx	.003	4.25
19	MP2A	X	2.171	1.5
20	MP2A	Z	1.253	1.5
21	MP2A	Mx	.001	1.5
22	MP2B	X	3.309	1.5
23	MP2B	Z	1.91	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	2.171	1.5
26	MP2C	Z	1.253	1.5
27	MP2C	Mx	-.001	1.5
28	MP3A	X	2.486	1.5
29	MP3A	Z	1.435	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP3A	Mx	.001	1.5
31	MP3B	X	3.309	1.5
32	MP3B	Z	1.91	1.5
33	MP3B	Mx	0	1.5
34	MP3C	X	2.486	1.5
35	MP3C	Z	1.435	1.5
36	MP3C	Mx	-.001	1.5
37	MP2A	X	.503	4
38	MP2A	Z	.291	4
39	MP2A	Mx	.000252	4
40	MP2B	X	.655	4
41	MP2B	Z	.378	4
42	MP2B	Mx	0	4
43	MP2C	X	.503	4
44	MP2C	Z	.291	4
45	MP2C	Mx	-.000252	4
46	MP1A	X	2.26	1.25
47	MP1A	Z	1.305	1.25
48	MP1A	Mx	-.001	1.25
49	MP1A	X	2.26	3.25
50	MP1A	Z	1.305	3.25
51	MP1A	Mx	-.001	3.25
52	MP1B	X	4.158	1.25
53	MP1B	Z	2.401	1.25
54	MP1B	Mx	0	1.25
55	MP1B	X	4.158	3.25
56	MP1B	Z	2.401	3.25
57	MP1B	Mx	0	3.25
58	MP1C	X	2.26	1.25
59	MP1C	Z	1.305	1.25
60	MP1C	Mx	.001	1.25
61	MP1C	X	2.26	3.25
62	MP1C	Z	1.305	3.25
63	MP1C	Mx	.001	3.25
64	MP2A	X	5.985	.25
65	MP2A	Z	3.456	.25
66	MP2A	Mx	-.005	.25
67	MP2A	X	5.985	3.25
68	MP2A	Z	3.456	3.25
69	MP2A	Mx	-.005	3.25
70	MP2B	X	8.06	.25
71	MP2B	Z	4.653	.25
72	MP2B	Mx	.006	.25
73	MP2B	X	8.06	3.25
74	MP2B	Z	4.653	3.25
75	MP2B	Mx	.006	3.25
76	MP2C	X	5.985	.25
77	MP2C	Z	3.456	.25
78	MP2C	Mx	.000689	.25
79	MP2C	X	5.985	3.25
80	MP2C	Z	3.456	3.25
81	MP2C	Mx	.000689	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP2A	X	5.985	.25
83	MP2A	Z	3.456	.25
84	MP2A	Mx	-.000689	.25
85	MP2A	X	5.985	3.25
86	MP2A	Z	3.456	3.25
87	MP2A	Mx	-.000689	3.25
88	MP2B	X	8.06	.25
89	MP2B	Z	4.653	.25
90	MP2B	Mx	-.006	.25
91	MP2B	X	8.06	3.25
92	MP2B	Z	4.653	3.25
93	MP2B	Mx	-.006	3.25
94	MP2C	X	5.985	.25
95	MP2C	Z	3.456	.25
96	MP2C	Mx	.005	.25
97	MP2C	X	5.985	3.25
98	MP2C	Z	3.456	3.25
99	MP2C	Mx	.005	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	3.781	.25
2	MP4A	Z	6.55	.25
3	MP4A	Mx	-.002	.25
4	MP4A	X	3.781	4.25
5	MP4A	Z	6.55	4.25
6	MP4A	Mx	-.002	4.25
7	MP4B	X	3.079	.25
8	MP4B	Z	5.334	.25
9	MP4B	Mx	-.003	.25
10	MP4B	X	3.079	4.25
11	MP4B	Z	5.334	4.25
12	MP4B	Mx	-.003	4.25
13	MP4C	X	2.729	.25
14	MP4C	Z	4.726	.25
15	MP4C	Mx	.003	.25
16	MP4C	X	2.729	4.25
17	MP4C	Z	4.726	4.25
18	MP4C	Mx	.003	4.25
19	MP2A	X	1.691	1.5
20	MP2A	Z	2.93	1.5
21	MP2A	Mx	.000846	1.5
22	MP2B	X	1.691	1.5
23	MP2B	Z	2.93	1.5
24	MP2B	Mx	.000846	1.5
25	MP2C	X	1.034	1.5
26	MP2C	Z	1.792	1.5
27	MP2C	Mx	-.001	1.5
28	MP3A	X	1.752	1.5
29	MP3A	Z	3.035	1.5
30	MP3A	Mx	.000876	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP3B	X	1.752	1.5
32	MP3B	Z	3.035	1.5
33	MP3B	Mx	.000876	1.5
34	MP3C	X	1.277	1.5
35	MP3C	Z	2.212	1.5
36	MP3C	Mx	-.001	1.5
37	MP2A	X	.349	4
38	MP2A	Z	.604	4
39	MP2A	Mx	.000174	4
40	MP2B	X	.349	4
41	MP2B	Z	.604	4
42	MP2B	Mx	.000174	4
43	MP2C	X	.262	4
44	MP2C	Z	.453	4
45	MP2C	Mx	-.000262	4
46	MP1A	X	2.036	1.25
47	MP1A	Z	3.526	1.25
48	MP1A	Mx	-.001	1.25
49	MP1A	X	2.036	3.25
50	MP1A	Z	3.526	3.25
51	MP1A	Mx	-.001	3.25
52	MP1B	X	2.036	1.25
53	MP1B	Z	3.526	1.25
54	MP1B	Mx	-.001	1.25
55	MP1B	X	2.036	3.25
56	MP1B	Z	3.526	3.25
57	MP1B	Mx	-.001	3.25
58	MP1C	X	.94	1.25
59	MP1C	Z	1.628	1.25
60	MP1C	Mx	.00094	1.25
61	MP1C	X	.94	3.25
62	MP1C	Z	1.628	3.25
63	MP1C	Mx	.00094	3.25
64	MP2A	X	4.254	.25
65	MP2A	Z	7.368	.25
66	MP2A	Mx	-.007	.25
67	MP2A	X	4.254	3.25
68	MP2A	Z	7.368	3.25
69	MP2A	Mx	-.007	3.25
70	MP2B	X	4.254	.25
71	MP2B	Z	7.368	.25
72	MP2B	Mx	.003	.25
73	MP2B	X	4.254	3.25
74	MP2B	Z	7.368	3.25
75	MP2B	Mx	.003	3.25
76	MP2C	X	3.056	.25
77	MP2C	Z	5.294	.25
78	MP2C	Mx	.003	.25
79	MP2C	X	3.056	3.25
80	MP2C	Z	5.294	3.25
81	MP2C	Mx	.003	3.25
82	MP2A	X	4.254	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP2A	Z	7.368	.25
84	MP2A	Mx	.003	.25
85	MP2A	X	4.254	3.25
86	MP2A	Z	7.368	3.25
87	MP2A	Mx	.003	3.25
88	MP2B	X	4.254	.25
89	MP2B	Z	7.368	.25
90	MP2B	Mx	-.007	.25
91	MP2B	X	4.254	3.25
92	MP2B	Z	7.368	3.25
93	MP2B	Mx	-.007	3.25
94	MP2C	X	3.056	.25
95	MP2C	Z	5.294	.25
96	MP2C	Mx	.003	.25
97	MP2C	X	3.056	3.25
98	MP2C	Z	5.294	3.25
99	MP2C	Mx	.003	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	.25
2	MP4A	Z	8.265	.25
3	MP4A	Mx	0	.25
4	MP4A	X	0	4.25
5	MP4A	Z	8.265	4.25
6	MP4A	Mx	0	4.25
7	MP4B	X	0	.25
8	MP4B	Z	5.457	.25
9	MP4B	Mx	-.003	.25
10	MP4B	X	0	4.25
11	MP4B	Z	5.457	4.25
12	MP4B	Mx	-.003	4.25
13	MP4C	X	0	.25
14	MP4C	Z	6.159	.25
15	MP4C	Mx	.003	.25
16	MP4C	X	0	4.25
17	MP4C	Z	6.159	4.25
18	MP4C	Mx	.003	4.25
19	MP2A	X	0	1.5
20	MP2A	Z	3.821	1.5
21	MP2A	Mx	0	1.5
22	MP2B	X	0	1.5
23	MP2B	Z	2.507	1.5
24	MP2B	Mx	.001	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	2.507	1.5
27	MP2C	Mx	-.001	1.5
28	MP3A	X	0	1.5
29	MP3A	Z	3.821	1.5
30	MP3A	Mx	0	1.5
31	MP3B	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP3B	Z	2.871	1.5
33	MP3B	Mx	.001	1.5
34	MP3C	X	0	1.5
35	MP3C	Z	2.871	1.5
36	MP3C	Mx	-.001	1.5
37	MP2A	X	0	4
38	MP2A	Z	.756	4
39	MP2A	Mx	0	4
40	MP2B	X	0	4
41	MP2B	Z	.581	4
42	MP2B	Mx	.000252	4
43	MP2C	X	0	4
44	MP2C	Z	.581	4
45	MP2C	Mx	-.000252	4
46	MP1A	X	0	1.25
47	MP1A	Z	4.801	1.25
48	MP1A	Mx	0	1.25
49	MP1A	X	0	3.25
50	MP1A	Z	4.801	3.25
51	MP1A	Mx	0	3.25
52	MP1B	X	0	1.25
53	MP1B	Z	2.61	1.25
54	MP1B	Mx	-.001	1.25
55	MP1B	X	0	3.25
56	MP1B	Z	2.61	3.25
57	MP1B	Mx	-.001	3.25
58	MP1C	X	0	1.25
59	MP1C	Z	2.61	1.25
60	MP1C	Mx	.001	1.25
61	MP1C	X	0	3.25
62	MP1C	Z	2.61	3.25
63	MP1C	Mx	.001	3.25
64	MP2A	X	0	.25
65	MP2A	Z	9.307	.25
66	MP2A	Mx	-.006	.25
67	MP2A	X	0	3.25
68	MP2A	Z	9.307	3.25
69	MP2A	Mx	-.006	3.25
70	MP2B	X	0	.25
71	MP2B	Z	6.911	.25
72	MP2B	Mx	-.000689	.25
73	MP2B	X	0	3.25
74	MP2B	Z	6.911	3.25
75	MP2B	Mx	-.000689	3.25
76	MP2C	X	0	.25
77	MP2C	Z	6.911	.25
78	MP2C	Mx	.005	.25
79	MP2C	X	0	3.25
80	MP2C	Z	6.911	3.25
81	MP2C	Mx	.005	3.25
82	MP2A	X	0	.25
83	MP2A	Z	9.307	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP2A	Mx	.006	.25
85	MP2A	X	0	3.25
86	MP2A	Z	9.307	3.25
87	MP2A	Mx	.006	3.25
88	MP2B	X	0	.25
89	MP2B	Z	6.911	.25
90	MP2B	Mx	-.005	.25
91	MP2B	X	0	3.25
92	MP2B	Z	6.911	3.25
93	MP2B	Mx	-.005	3.25
94	MP2C	X	0	.25
95	MP2C	Z	6.911	.25
96	MP2C	Mx	.000689	.25
97	MP2C	X	0	3.25
98	MP2C	Z	6.911	3.25
99	MP2C	Mx	.000689	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-3.781	.25
2	MP4A	Z	6.55	.25
3	MP4A	Mx	.002	.25
4	MP4A	X	-3.781	4.25
5	MP4A	Z	6.55	4.25
6	MP4A	Mx	.002	4.25
7	MP4B	X	-3.079	.25
8	MP4B	Z	5.334	.25
9	MP4B	Mx	-.003	.25
10	MP4B	X	-3.079	4.25
11	MP4B	Z	5.334	4.25
12	MP4B	Mx	-.003	4.25
13	MP4C	X	-3.781	.25
14	MP4C	Z	6.55	.25
15	MP4C	Mx	.002	.25
16	MP4C	X	-3.781	4.25
17	MP4C	Z	6.55	4.25
18	MP4C	Mx	.002	4.25
19	MP2A	X	-1.691	1.5
20	MP2A	Z	2.93	1.5
21	MP2A	Mx	-.000846	1.5
22	MP2B	X	-1.034	1.5
23	MP2B	Z	1.792	1.5
24	MP2B	Mx	.001	1.5
25	MP2C	X	-1.691	1.5
26	MP2C	Z	2.93	1.5
27	MP2C	Mx	-.000846	1.5
28	MP3A	X	-1.752	1.5
29	MP3A	Z	3.035	1.5
30	MP3A	Mx	-.000876	1.5
31	MP3B	X	-1.277	1.5
32	MP3B	Z	2.212	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3B	Mx	.001	1.5
34	MP3C	X	-1.752	1.5
35	MP3C	Z	3.035	1.5
36	MP3C	Mx	-.000876	1.5
37	MP2A	X	-.349	4
38	MP2A	Z	.604	4
39	MP2A	Mx	-.000174	4
40	MP2B	X	-.262	4
41	MP2B	Z	.453	4
42	MP2B	Mx	.000262	4
43	MP2C	X	-.349	4
44	MP2C	Z	.604	4
45	MP2C	Mx	-.000174	4
46	MP1A	X	-2.036	1.25
47	MP1A	Z	3.526	1.25
48	MP1A	Mx	.001	1.25
49	MP1A	X	-2.036	3.25
50	MP1A	Z	3.526	3.25
51	MP1A	Mx	.001	3.25
52	MP1B	X	-.94	1.25
53	MP1B	Z	1.628	1.25
54	MP1B	Mx	-.00094	1.25
55	MP1B	X	-.94	3.25
56	MP1B	Z	1.628	3.25
57	MP1B	Mx	-.00094	3.25
58	MP1C	X	-2.036	1.25
59	MP1C	Z	3.526	1.25
60	MP1C	Mx	.001	1.25
61	MP1C	X	-2.036	3.25
62	MP1C	Z	3.526	3.25
63	MP1C	Mx	.001	3.25
64	MP2A	X	-4.254	.25
65	MP2A	Z	7.368	.25
66	MP2A	Mx	-.003	.25
67	MP2A	X	-4.254	3.25
68	MP2A	Z	7.368	3.25
69	MP2A	Mx	-.003	3.25
70	MP2B	X	-3.056	.25
71	MP2B	Z	5.294	.25
72	MP2B	Mx	-.003	.25
73	MP2B	X	-3.056	3.25
74	MP2B	Z	5.294	3.25
75	MP2B	Mx	-.003	3.25
76	MP2C	X	-4.254	.25
77	MP2C	Z	7.368	.25
78	MP2C	Mx	.007	.25
79	MP2C	X	-4.254	3.25
80	MP2C	Z	7.368	3.25
81	MP2C	Mx	.007	3.25
82	MP2A	X	-4.254	.25
83	MP2A	Z	7.368	.25
84	MP2A	Mx	.007	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP2A	X	-4.254	3.25
86	MP2A	Z	7.368	3.25
87	MP2A	Mx	.007	3.25
88	MP2B	X	-3.056	.25
89	MP2B	Z	5.294	.25
90	MP2B	Mx	-.003	.25
91	MP2B	X	-3.056	3.25
92	MP2B	Z	5.294	3.25
93	MP2B	Mx	-.003	3.25
94	MP2C	X	-4.254	.25
95	MP2C	Z	7.368	.25
96	MP2C	Mx	-.003	.25
97	MP2C	X	-4.254	3.25
98	MP2C	Z	7.368	3.25
99	MP2C	Mx	-.003	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-5.334	.25
2	MP4A	Z	3.079	.25
3	MP4A	Mx	.003	.25
4	MP4A	X	-5.334	4.25
5	MP4A	Z	3.079	4.25
6	MP4A	Mx	.003	4.25
7	MP4B	X	-6.55	.25
8	MP4B	Z	3.781	.25
9	MP4B	Mx	-.002	.25
10	MP4B	X	-6.55	4.25
11	MP4B	Z	3.781	4.25
12	MP4B	Mx	-.002	4.25
13	MP4C	X	-7.157	.25
14	MP4C	Z	4.132	.25
15	MP4C	Mx	0	.25
16	MP4C	X	-7.157	4.25
17	MP4C	Z	4.132	4.25
18	MP4C	Mx	0	4.25
19	MP2A	X	-2.171	1.5
20	MP2A	Z	1.253	1.5
21	MP2A	Mx	-.001	1.5
22	MP2B	X	-2.171	1.5
23	MP2B	Z	1.253	1.5
24	MP2B	Mx	.001	1.5
25	MP2C	X	-3.309	1.5
26	MP2C	Z	1.91	1.5
27	MP2C	Mx	0	1.5
28	MP3A	X	-2.486	1.5
29	MP3A	Z	1.435	1.5
30	MP3A	Mx	-.001	1.5
31	MP3B	X	-2.486	1.5
32	MP3B	Z	1.435	1.5
33	MP3B	Mx	.001	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3C	X	-3.309	1.5
35	MP3C	Z	1.91	1.5
36	MP3C	Mx	0	1.5
37	MP2A	X	-.503	4
38	MP2A	Z	.291	4
39	MP2A	Mx	-.000252	4
40	MP2B	X	-.503	4
41	MP2B	Z	.291	4
42	MP2B	Mx	.000252	4
43	MP2C	X	-.655	4
44	MP2C	Z	.378	4
45	MP2C	Mx	0	4
46	MP1A	X	-2.26	1.25
47	MP1A	Z	1.305	1.25
48	MP1A	Mx	.001	1.25
49	MP1A	X	-2.26	3.25
50	MP1A	Z	1.305	3.25
51	MP1A	Mx	.001	3.25
52	MP1B	X	-2.26	1.25
53	MP1B	Z	1.305	1.25
54	MP1B	Mx	-.001	1.25
55	MP1B	X	-2.26	3.25
56	MP1B	Z	1.305	3.25
57	MP1B	Mx	-.001	3.25
58	MP1C	X	-4.158	1.25
59	MP1C	Z	2.401	1.25
60	MP1C	Mx	0	1.25
61	MP1C	X	-4.158	3.25
62	MP1C	Z	2.401	3.25
63	MP1C	Mx	0	3.25
64	MP2A	X	-5.985	.25
65	MP2A	Z	3.456	.25
66	MP2A	Mx	.000689	.25
67	MP2A	X	-5.985	3.25
68	MP2A	Z	3.456	3.25
69	MP2A	Mx	.000689	3.25
70	MP2B	X	-5.985	.25
71	MP2B	Z	3.456	.25
72	MP2B	Mx	-.005	.25
73	MP2B	X	-5.985	3.25
74	MP2B	Z	3.456	3.25
75	MP2B	Mx	-.005	3.25
76	MP2C	X	-8.06	.25
77	MP2C	Z	4.653	.25
78	MP2C	Mx	.006	.25
79	MP2C	X	-8.06	3.25
80	MP2C	Z	4.653	3.25
81	MP2C	Mx	.006	3.25
82	MP2A	X	-5.985	.25
83	MP2A	Z	3.456	.25
84	MP2A	Mx	.005	.25
85	MP2A	X	-5.985	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP2A	Z	3.456	3.25
87	MP2A	Mx	.005	3.25
88	MP2B	X	-5.985	.25
89	MP2B	Z	3.456	.25
90	MP2B	Mx	-.000689	.25
91	MP2B	X	-5.985	3.25
92	MP2B	Z	3.456	3.25
93	MP2B	Mx	-.000689	3.25
94	MP2C	X	-8.06	.25
95	MP2C	Z	4.653	.25
96	MP2C	Mx	-.006	.25
97	MP2C	X	-8.06	3.25
98	MP2C	Z	4.653	3.25
99	MP2C	Mx	-.006	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-5.457	.25
2	MP4A	Z	0	.25
3	MP4A	Mx	.003	.25
4	MP4A	X	-5.457	4.25
5	MP4A	Z	0	4.25
6	MP4A	Mx	.003	4.25
7	MP4B	X	-8.265	.25
8	MP4B	Z	0	.25
9	MP4B	Mx	0	.25
10	MP4B	X	-8.265	4.25
11	MP4B	Z	0	4.25
12	MP4B	Mx	0	4.25
13	MP4C	X	-7.563	.25
14	MP4C	Z	0	.25
15	MP4C	Mx	-.002	.25
16	MP4C	X	-7.563	4.25
17	MP4C	Z	0	4.25
18	MP4C	Mx	-.002	4.25
19	MP2A	X	-2.069	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.001	1.5
22	MP2B	X	-3.383	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	.000846	1.5
25	MP2C	X	-3.383	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	.000846	1.5
28	MP3A	X	-2.554	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	-.001	1.5
31	MP3B	X	-3.504	1.5
32	MP3B	Z	0	1.5
33	MP3B	Mx	.000876	1.5
34	MP3C	X	-3.504	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	0	1.5
36	MP3C	Mx	.000876	1.5
37	MP2A	X	-.523	4
38	MP2A	Z	0	4
39	MP2A	Mx	-.000262	4
40	MP2B	X	-.698	4
41	MP2B	Z	0	4
42	MP2B	Mx	.000174	4
43	MP2C	X	-.698	4
44	MP2C	Z	0	4
45	MP2C	Mx	.000174	4
46	MP1A	X	-1.88	1.25
47	MP1A	Z	0	1.25
48	MP1A	Mx	.00094	1.25
49	MP1A	X	-1.88	3.25
50	MP1A	Z	0	3.25
51	MP1A	Mx	.00094	3.25
52	MP1B	X	-4.071	1.25
53	MP1B	Z	0	1.25
54	MP1B	Mx	-.001	1.25
55	MP1B	X	-4.071	3.25
56	MP1B	Z	0	3.25
57	MP1B	Mx	-.001	3.25
58	MP1C	X	-4.071	1.25
59	MP1C	Z	0	1.25
60	MP1C	Mx	-.001	1.25
61	MP1C	X	-4.071	3.25
62	MP1C	Z	0	3.25
63	MP1C	Mx	-.001	3.25
64	MP2A	X	-6.113	.25
65	MP2A	Z	0	.25
66	MP2A	Mx	.003	.25
67	MP2A	X	-6.113	3.25
68	MP2A	Z	0	3.25
69	MP2A	Mx	.003	3.25
70	MP2B	X	-8.508	.25
71	MP2B	Z	0	.25
72	MP2B	Mx	-.007	.25
73	MP2B	X	-8.508	3.25
74	MP2B	Z	0	3.25
75	MP2B	Mx	-.007	3.25
76	MP2C	X	-8.508	.25
77	MP2C	Z	0	.25
78	MP2C	Mx	.003	.25
79	MP2C	X	-8.508	3.25
80	MP2C	Z	0	3.25
81	MP2C	Mx	.003	3.25
82	MP2A	X	-6.113	.25
83	MP2A	Z	0	.25
84	MP2A	Mx	.003	.25
85	MP2A	X	-6.113	3.25
86	MP2A	Z	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP2A	Mx	.003	3.25
88	MP2B	X	-8.508	.25
89	MP2B	Z	0	.25
90	MP2B	Mx	.003	.25
91	MP2B	X	-8.508	3.25
92	MP2B	Z	0	3.25
93	MP2B	Mx	.003	3.25
94	MP2C	X	-8.508	.25
95	MP2C	Z	0	.25
96	MP2C	Mx	-.007	.25
97	MP2C	X	-8.508	3.25
98	MP2C	Z	0	3.25
99	MP2C	Mx	-.007	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-5.334	.25
2	MP4A	Z	-3.079	.25
3	MP4A	Mx	.003	.25
4	MP4A	X	-5.334	4.25
5	MP4A	Z	-3.079	4.25
6	MP4A	Mx	.003	4.25
7	MP4B	X	-6.55	.25
8	MP4B	Z	-3.781	.25
9	MP4B	Mx	.002	.25
10	MP4B	X	-6.55	4.25
11	MP4B	Z	-3.781	4.25
12	MP4B	Mx	.002	4.25
13	MP4C	X	-5.334	.25
14	MP4C	Z	-3.079	.25
15	MP4C	Mx	-.003	.25
16	MP4C	X	-5.334	4.25
17	MP4C	Z	-3.079	4.25
18	MP4C	Mx	-.003	4.25
19	MP2A	X	-2.171	1.5
20	MP2A	Z	-1.253	1.5
21	MP2A	Mx	-.001	1.5
22	MP2B	X	-3.309	1.5
23	MP2B	Z	-1.91	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	-2.171	1.5
26	MP2C	Z	-1.253	1.5
27	MP2C	Mx	.001	1.5
28	MP3A	X	-2.486	1.5
29	MP3A	Z	-1.435	1.5
30	MP3A	Mx	-.001	1.5
31	MP3B	X	-3.309	1.5
32	MP3B	Z	-1.91	1.5
33	MP3B	Mx	0	1.5
34	MP3C	X	-2.486	1.5
35	MP3C	Z	-1.435	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3C	Mx	.001	1.5
37	MP2A	X	-.503	4
38	MP2A	Z	-.291	4
39	MP2A	Mx	-.000252	4
40	MP2B	X	-.655	4
41	MP2B	Z	-.378	4
42	MP2B	Mx	0	4
43	MP2C	X	-.503	4
44	MP2C	Z	-.291	4
45	MP2C	Mx	.000252	4
46	MP1A	X	-2.26	1.25
47	MP1A	Z	-1.305	1.25
48	MP1A	Mx	.001	1.25
49	MP1A	X	-2.26	3.25
50	MP1A	Z	-1.305	3.25
51	MP1A	Mx	.001	3.25
52	MP1B	X	-4.158	1.25
53	MP1B	Z	-2.401	1.25
54	MP1B	Mx	0	1.25
55	MP1B	X	-4.158	3.25
56	MP1B	Z	-2.401	3.25
57	MP1B	Mx	0	3.25
58	MP1C	X	-2.26	1.25
59	MP1C	Z	-1.305	1.25
60	MP1C	Mx	-.001	1.25
61	MP1C	X	-2.26	3.25
62	MP1C	Z	-1.305	3.25
63	MP1C	Mx	-.001	3.25
64	MP2A	X	-5.985	.25
65	MP2A	Z	-3.456	.25
66	MP2A	Mx	.005	.25
67	MP2A	X	-5.985	3.25
68	MP2A	Z	-3.456	3.25
69	MP2A	Mx	.005	3.25
70	MP2B	X	-8.06	.25
71	MP2B	Z	-4.653	.25
72	MP2B	Mx	-.006	.25
73	MP2B	X	-8.06	3.25
74	MP2B	Z	-4.653	3.25
75	MP2B	Mx	-.006	3.25
76	MP2C	X	-5.985	.25
77	MP2C	Z	-3.456	.25
78	MP2C	Mx	-.000689	.25
79	MP2C	X	-5.985	3.25
80	MP2C	Z	-3.456	3.25
81	MP2C	Mx	-.000689	3.25
82	MP2A	X	-5.985	.25
83	MP2A	Z	-3.456	.25
84	MP2A	Mx	.000689	.25
85	MP2A	X	-5.985	3.25
86	MP2A	Z	-3.456	3.25
87	MP2A	Mx	.000689	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP2B	X	-8.06	.25
89	MP2B	Z	-4.653	.25
90	MP2B	Mx	.006	.25
91	MP2B	X	-8.06	3.25
92	MP2B	Z	-4.653	3.25
93	MP2B	Mx	.006	3.25
94	MP2C	X	-5.985	.25
95	MP2C	Z	-3.456	.25
96	MP2C	Mx	-.005	.25
97	MP2C	X	-5.985	3.25
98	MP2C	Z	-3.456	3.25
99	MP2C	Mx	-.005	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-3.781	.25
2	MP4A	Z	-6.55	.25
3	MP4A	Mx	.002	.25
4	MP4A	X	-3.781	4.25
5	MP4A	Z	-6.55	4.25
6	MP4A	Mx	.002	4.25
7	MP4B	X	-3.079	.25
8	MP4B	Z	-5.334	.25
9	MP4B	Mx	.003	.25
10	MP4B	X	-3.079	4.25
11	MP4B	Z	-5.334	4.25
12	MP4B	Mx	.003	4.25
13	MP4C	X	-2.729	.25
14	MP4C	Z	-4.726	.25
15	MP4C	Mx	-.003	.25
16	MP4C	X	-2.729	4.25
17	MP4C	Z	-4.726	4.25
18	MP4C	Mx	-.003	4.25
19	MP2A	X	-1.691	1.5
20	MP2A	Z	-2.93	1.5
21	MP2A	Mx	-.000846	1.5
22	MP2B	X	-1.691	1.5
23	MP2B	Z	-2.93	1.5
24	MP2B	Mx	-.000846	1.5
25	MP2C	X	-1.034	1.5
26	MP2C	Z	-1.792	1.5
27	MP2C	Mx	.001	1.5
28	MP3A	X	-1.752	1.5
29	MP3A	Z	-3.035	1.5
30	MP3A	Mx	-.000876	1.5
31	MP3B	X	-1.752	1.5
32	MP3B	Z	-3.035	1.5
33	MP3B	Mx	-.000876	1.5
34	MP3C	X	-1.277	1.5
35	MP3C	Z	-2.212	1.5
36	MP3C	Mx	.001	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP2A	X	-.349	4
38	MP2A	Z	-.604	4
39	MP2A	Mx	-.000174	4
40	MP2B	X	-.349	4
41	MP2B	Z	-.604	4
42	MP2B	Mx	-.000174	4
43	MP2C	X	-.262	4
44	MP2C	Z	-.453	4
45	MP2C	Mx	.000262	4
46	MP1A	X	-2.036	1.25
47	MP1A	Z	-3.526	1.25
48	MP1A	Mx	.001	1.25
49	MP1A	X	-2.036	3.25
50	MP1A	Z	-3.526	3.25
51	MP1A	Mx	.001	3.25
52	MP1B	X	-2.036	1.25
53	MP1B	Z	-3.526	1.25
54	MP1B	Mx	.001	1.25
55	MP1B	X	-2.036	3.25
56	MP1B	Z	-3.526	3.25
57	MP1B	Mx	.001	3.25
58	MP1C	X	-.94	1.25
59	MP1C	Z	-1.628	1.25
60	MP1C	Mx	-.00094	1.25
61	MP1C	X	-.94	3.25
62	MP1C	Z	-1.628	3.25
63	MP1C	Mx	-.00094	3.25
64	MP2A	X	-4.254	.25
65	MP2A	Z	-7.368	.25
66	MP2A	Mx	.007	.25
67	MP2A	X	-4.254	3.25
68	MP2A	Z	-7.368	3.25
69	MP2A	Mx	.007	3.25
70	MP2B	X	-4.254	.25
71	MP2B	Z	-7.368	.25
72	MP2B	Mx	-.003	.25
73	MP2B	X	-4.254	3.25
74	MP2B	Z	-7.368	3.25
75	MP2B	Mx	-.003	3.25
76	MP2C	X	-3.056	.25
77	MP2C	Z	-5.294	.25
78	MP2C	Mx	-.003	.25
79	MP2C	X	-3.056	3.25
80	MP2C	Z	-5.294	3.25
81	MP2C	Mx	-.003	3.25
82	MP2A	X	-4.254	.25
83	MP2A	Z	-7.368	.25
84	MP2A	Mx	-.003	.25
85	MP2A	X	-4.254	3.25
86	MP2A	Z	-7.368	3.25
87	MP2A	Mx	-.003	3.25
88	MP2B	X	-4.254	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP2B	Z	-7.368	.25
90	MP2B	Mx	.007	.25
91	MP2B	X	-4.254	3.25
92	MP2B	Z	-7.368	3.25
93	MP2B	Mx	.007	3.25
94	MP2C	X	-3.056	.25
95	MP2C	Z	-5.294	.25
96	MP2C	Mx	-.003	.25
97	MP2C	X	-3.056	3.25
98	MP2C	Z	-5.294	3.25
99	MP2C	Mx	-.003	3.25

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%9

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%51

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

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

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	-6.457	-6.457	0	%100
2	M4	Y	-9.459	-9.459	0	%100
3	M10	Y	-9.459	-9.459	0	%100
4	M43	Y	-9.459	-9.459	0	%100
5	M46	Y	-9.965	-9.965	0	%100
6	M51B	Y	-5.522	-5.522	0	%100
7	M52B	Y	-5.522	-5.522	0	%100
8	M76	Y	-9.953	-9.953	0	%100
9	M77	Y	-9.953	-9.953	0	%100
10	M80	Y	-9.965	-9.965	0	%100
11	M84	Y	-9.953	-9.953	0	%100
12	M85	Y	-9.953	-9.953	0	%100
13	M91	Y	-9.965	-9.965	0	%100
14	M52A	Y	-9.459	-9.459	0	%100
15	M53	Y	-9.459	-9.459	0	%100
16	M54	Y	-9.459	-9.459	0	%100
17	M55	Y	-9.965	-9.965	0	%100
18	M58A	Y	-5.522	-5.522	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,%]
19	M59A	Y	-5.522	-5.522	0	%100
20	M63	Y	-9.953	-9.953	0	%100
21	M64	Y	-9.953	-9.953	0	%100
22	M66	Y	-9.965	-9.965	0	%100
23	M68	Y	-9.953	-9.953	0	%100
24	M69	Y	-9.953	-9.953	0	%100
25	M71	Y	-9.965	-9.965	0	%100
26	M76A	Y	-9.459	-9.459	0	%100
27	M77A	Y	-9.459	-9.459	0	%100
28	M78	Y	-9.459	-9.459	0	%100
29	M79A	Y	-9.965	-9.965	0	%100
30	M82	Y	-5.522	-5.522	0	%100
31	M83A	Y	-5.522	-5.522	0	%100
32	M87	Y	-9.953	-9.953	0	%100
33	M88A	Y	-9.953	-9.953	0	%100
34	M90	Y	-9.965	-9.965	0	%100
35	M92A	Y	-9.953	-9.953	0	%100
36	M93	Y	-9.953	-9.953	0	%100
37	M95	Y	-9.965	-9.965	0	%100
38	M82A	Y	-6.457	-6.457	0	%100
39	M91B	Y	-6.457	-6.457	0	%100
40	MP1A	Y	-4.891	-4.891	0	%100
41	MP2A	Y	-4.891	-4.891	0	%100
42	MP3A	Y	-4.891	-4.891	0	%100
43	MP4A	Y	-4.891	-4.891	0	%100
44	MP1C	Y	-4.891	-4.891	0	%100
45	MP2C	Y	-4.891	-4.891	0	%100
46	MP3C	Y	-4.891	-4.891	0	%100
47	MP4C	Y	-4.891	-4.891	0	%100
48	MP1B	Y	-4.891	-4.891	0	%100
49	MP2B	Y	-4.891	-4.891	0	%100
50	MP3B	Y	-4.891	-4.891	0	%100
51	MP4B	Y	-4.891	-4.891	0	%100
52	M100	Y	-5.587	-5.587	0	%100
53	M101	Y	-5.587	-5.587	0	%100
54	M102	Y	-5.587	-5.587	0	%100
55	M121	Y	-7.491	-7.491	0	%100
56	M122	Y	-7.491	-7.491	0	%100
57	M123	Y	-7.491	-7.491	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	-11.064	-11.064	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	-9.509	-9.509	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	-9.509	-9.509	0	%100
9	M46	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,%]
10	M46	Z	-18.966	-18.966	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	-2.633	-2.633	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	-2.633	-2.633	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	-4.829	-4.829	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	-5.087	-5.087	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	-4.829	-4.829	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	-5.087	-5.087	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	-8.428	-8.428	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	-2.377	-2.377	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	-2.377	-2.377	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	-4.742	-4.742	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	-2.633	-2.633	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	-10.532	-10.532	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	-14.225	-14.225	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	-4.829	-4.829	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	-5.087	-5.087	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	-14.225	-14.225	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	-19.317	-19.317	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	-20.347	-20.347	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	-8.428	-8.428	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	-2.377	-2.377	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	-2.377	-2.377	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	-4.742	-4.742	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	-10.532	-10.532	0	%100
61	M83A	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,%]
62	M83A	Z	-2.633	-2.633	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	-14.225	-14.225	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	-19.317	-19.317	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	-20.347	-20.347	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	-14.225	-14.225	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	-4.829	-4.829	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	-5.087	-5.087	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	-2.766	-2.766	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	-2.766	-2.766	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-7.507	-7.507	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-7.507	-7.507	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-7.507	-7.507	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-7.507	-7.507	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-7.507	-7.507	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-7.507	-7.507	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-7.507	-7.507	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	-7.507	-7.507	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-7.507	-7.507	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-7.507	-7.507	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-7.507	-7.507	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-7.507	-7.507	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	-9.088	-9.088	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	-2.272	-2.272	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	-2.272	-2.272	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	-2.714	-2.714	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	-10.857	-10.857	0	%100
113	M123	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,%]
114	M123	Z	-2.714	-2.714	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	4.149	4.149	0	%100
2	M1	Z	-7.186	-7.186	0	%100
3	M4	X	1.405	1.405	0	%100
4	M4	Z	-2.433	-2.433	0	%100
5	M10	X	3.566	3.566	0	%100
6	M10	Z	-6.176	-6.176	0	%100
7	M43	X	3.566	3.566	0	%100
8	M43	Z	-6.176	-6.176	0	%100
9	M46	X	7.112	7.112	0	%100
10	M46	Z	-12.319	-12.319	0	%100
11	M51B	X	3.949	3.949	0	%100
12	M51B	Z	-6.84	-6.84	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	2.371	2.371	0	%100
16	M76	Z	-4.106	-4.106	0	%100
17	M77	X	7.244	7.244	0	%100
18	M77	Z	-12.547	-12.547	0	%100
19	M80	X	7.63	7.63	0	%100
20	M80	Z	-13.215	-13.215	0	%100
21	M84	X	2.371	2.371	0	%100
22	M84	Z	-4.106	-4.106	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	1.405	1.405	0	%100
28	M52A	Z	-2.433	-2.433	0	%100
29	M53	X	3.566	3.566	0	%100
30	M53	Z	-6.176	-6.176	0	%100
31	M54	X	3.566	3.566	0	%100
32	M54	Z	-6.176	-6.176	0	%100
33	M55	X	7.112	7.112	0	%100
34	M55	Z	-12.319	-12.319	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	3.949	3.949	0	%100
38	M59A	Z	-6.84	-6.84	0	%100
39	M63	X	2.371	2.371	0	%100
40	M63	Z	-4.106	-4.106	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	2.371	2.371	0	%100
46	M68	Z	-4.106	-4.106	0	%100
47	M69	X	7.244	7.244	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,%]
48	M69	Z	-12.547	-12.547	0	%100
49	M71	X	7.63	7.63	0	%100
50	M71	Z	-13.215	-13.215	0	%100
51	M76A	X	5.619	5.619	0	%100
52	M76A	Z	-9.732	-9.732	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	3.949	3.949	0	%100
60	M82	Z	-6.84	-6.84	0	%100
61	M83A	X	3.949	3.949	0	%100
62	M83A	Z	-6.84	-6.84	0	%100
63	M87	X	9.483	9.483	0	%100
64	M87	Z	-16.425	-16.425	0	%100
65	M88A	X	7.244	7.244	0	%100
66	M88A	Z	-12.547	-12.547	0	%100
67	M90	X	7.63	7.63	0	%100
68	M90	Z	-13.215	-13.215	0	%100
69	M92A	X	9.483	9.483	0	%100
70	M92A	Z	-16.425	-16.425	0	%100
71	M93	X	7.244	7.244	0	%100
72	M93	Z	-12.547	-12.547	0	%100
73	M95	X	7.63	7.63	0	%100
74	M95	Z	-13.215	-13.215	0	%100
75	M82A	X	4.149	4.149	0	%100
76	M82A	Z	-7.186	-7.186	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	3.754	3.754	0	%100
80	MP1A	Z	-6.502	-6.502	0	%100
81	MP2A	X	3.754	3.754	0	%100
82	MP2A	Z	-6.502	-6.502	0	%100
83	MP3A	X	3.754	3.754	0	%100
84	MP3A	Z	-6.502	-6.502	0	%100
85	MP4A	X	3.754	3.754	0	%100
86	MP4A	Z	-6.502	-6.502	0	%100
87	MP1C	X	3.754	3.754	0	%100
88	MP1C	Z	-6.502	-6.502	0	%100
89	MP2C	X	3.754	3.754	0	%100
90	MP2C	Z	-6.502	-6.502	0	%100
91	MP3C	X	3.754	3.754	0	%100
92	MP3C	Z	-6.502	-6.502	0	%100
93	MP4C	X	3.754	3.754	0	%100
94	MP4C	Z	-6.502	-6.502	0	%100
95	MP1B	X	3.754	3.754	0	%100
96	MP1B	Z	-6.502	-6.502	0	%100
97	MP2B	X	3.754	3.754	0	%100
98	MP2B	Z	-6.502	-6.502	0	%100
99	MP3B	X	3.754	3.754	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,%]
100	MP3B	Z	-6.502	-6.502	0	%100
101	MP4B	X	3.754	3.754	0	%100
102	MP4B	Z	-6.502	-6.502	0	%100
103	M100	X	3.408	3.408	0	%100
104	M100	Z	-5.903	-5.903	0	%100
105	M101	X	3.408	3.408	0	%100
106	M101	Z	-5.903	-5.903	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	0	0	0	%100
109	M121	X	4.071	4.071	0	%100
110	M121	Z	-7.052	-7.052	0	%100
111	M122	X	4.071	4.071	0	%100
112	M122	Z	-7.052	-7.052	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	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	2.395	2.395	0	%100
2	M1	Z	-1.383	-1.383	0	%100
3	M4	X	7.299	7.299	0	%100
4	M4	Z	-4.214	-4.214	0	%100
5	M10	X	2.059	2.059	0	%100
6	M10	Z	-1.189	-1.189	0	%100
7	M43	X	2.059	2.059	0	%100
8	M43	Z	-1.189	-1.189	0	%100
9	M46	X	4.106	4.106	0	%100
10	M46	Z	-2.371	-2.371	0	%100
11	M51B	X	9.121	9.121	0	%100
12	M51B	Z	-5.266	-5.266	0	%100
13	M52B	X	2.28	2.28	0	%100
14	M52B	Z	-1.316	-1.316	0	%100
15	M76	X	12.319	12.319	0	%100
16	M76	Z	-7.112	-7.112	0	%100
17	M77	X	16.729	16.729	0	%100
18	M77	Z	-9.659	-9.659	0	%100
19	M80	X	17.621	17.621	0	%100
20	M80	Z	-10.173	-10.173	0	%100
21	M84	X	12.319	12.319	0	%100
22	M84	Z	-7.112	-7.112	0	%100
23	M85	X	4.182	4.182	0	%100
24	M85	Z	-2.415	-2.415	0	%100
25	M91	X	4.405	4.405	0	%100
26	M91	Z	-2.543	-2.543	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	8.235	8.235	0	%100
30	M53	Z	-4.754	-4.754	0	%100
31	M54	X	8.235	8.235	0	%100
32	M54	Z	-4.754	-4.754	0	%100
33	M55	X	16.425	16.425	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,%]
34	M55	Z	-9.483	-9.483	0	%100
35	M58A	X	2.28	2.28	0	%100
36	M58A	Z	-1.316	-1.316	0	%100
37	M59A	X	2.28	2.28	0	%100
38	M59A	Z	-1.316	-1.316	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	4.182	4.182	0	%100
42	M64	Z	-2.415	-2.415	0	%100
43	M66	X	4.405	4.405	0	%100
44	M66	Z	-2.543	-2.543	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	4.182	4.182	0	%100
48	M69	Z	-2.415	-2.415	0	%100
49	M71	X	4.405	4.405	0	%100
50	M71	Z	-2.543	-2.543	0	%100
51	M76A	X	7.299	7.299	0	%100
52	M76A	Z	-4.214	-4.214	0	%100
53	M77A	X	2.059	2.059	0	%100
54	M77A	Z	-1.189	-1.189	0	%100
55	M78	X	2.059	2.059	0	%100
56	M78	Z	-1.189	-1.189	0	%100
57	M79A	X	4.106	4.106	0	%100
58	M79A	Z	-2.371	-2.371	0	%100
59	M82	X	2.28	2.28	0	%100
60	M82	Z	-1.316	-1.316	0	%100
61	M83A	X	9.121	9.121	0	%100
62	M83A	Z	-5.266	-5.266	0	%100
63	M87	X	12.319	12.319	0	%100
64	M87	Z	-7.112	-7.112	0	%100
65	M88A	X	4.182	4.182	0	%100
66	M88A	Z	-2.415	-2.415	0	%100
67	M90	X	4.405	4.405	0	%100
68	M90	Z	-2.543	-2.543	0	%100
69	M92A	X	12.319	12.319	0	%100
70	M92A	Z	-7.112	-7.112	0	%100
71	M93	X	16.729	16.729	0	%100
72	M93	Z	-9.659	-9.659	0	%100
73	M95	X	17.621	17.621	0	%100
74	M95	Z	-10.173	-10.173	0	%100
75	M82A	X	9.581	9.581	0	%100
76	M82A	Z	-5.532	-5.532	0	%100
77	M91B	X	2.395	2.395	0	%100
78	M91B	Z	-1.383	-1.383	0	%100
79	MP1A	X	6.502	6.502	0	%100
80	MP1A	Z	-3.754	-3.754	0	%100
81	MP2A	X	6.502	6.502	0	%100
82	MP2A	Z	-3.754	-3.754	0	%100
83	MP3A	X	6.502	6.502	0	%100
84	MP3A	Z	-3.754	-3.754	0	%100
85	MP4A	X	6.502	6.502	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,%]
86	MP4A	Z	-3.754	-3.754	0	%100
87	MP1C	X	6.502	6.502	0	%100
88	MP1C	Z	-3.754	-3.754	0	%100
89	MP2C	X	6.502	6.502	0	%100
90	MP2C	Z	-3.754	-3.754	0	%100
91	MP3C	X	6.502	6.502	0	%100
92	MP3C	Z	-3.754	-3.754	0	%100
93	MP4C	X	6.502	6.502	0	%100
94	MP4C	Z	-3.754	-3.754	0	%100
95	MP1B	X	6.502	6.502	0	%100
96	MP1B	Z	-3.754	-3.754	0	%100
97	MP2B	X	6.502	6.502	0	%100
98	MP2B	Z	-3.754	-3.754	0	%100
99	MP3B	X	6.502	6.502	0	%100
100	MP3B	Z	-3.754	-3.754	0	%100
101	MP4B	X	6.502	6.502	0	%100
102	MP4B	Z	-3.754	-3.754	0	%100
103	M100	X	1.968	1.968	0	%100
104	M100	Z	-1.136	-1.136	0	%100
105	M101	X	7.87	7.87	0	%100
106	M101	Z	-4.544	-4.544	0	%100
107	M102	X	1.968	1.968	0	%100
108	M102	Z	-1.136	-1.136	0	%100
109	M121	X	9.403	9.403	0	%100
110	M121	Z	-5.429	-5.429	0	%100
111	M122	X	2.351	2.351	0	%100
112	M122	Z	-1.357	-1.357	0	%100
113	M123	X	2.351	2.351	0	%100
114	M123	Z	-1.357	-1.357	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	11.237	11.237	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	7.899	7.899	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	7.899	7.899	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	18.966	18.966	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	14.488	14.488	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	15.26	15.26	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,%]
20	M80	Z	0	0	0	%100
21	M84	X	18.966	18.966	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	14.488	14.488	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	15.26	15.26	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	2.809	2.809	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	7.132	7.132	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	7.132	7.132	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	14.225	14.225	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	7.899	7.899	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	0	0	0	%100
39	M63	X	4.742	4.742	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	14.488	14.488	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	15.26	15.26	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	4.742	4.742	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	0	0	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	0	0	0	%100
51	M76A	X	2.809	2.809	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	7.132	7.132	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	7.132	7.132	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	14.225	14.225	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	0	0	0	%100
61	M83A	X	7.899	7.899	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	4.742	4.742	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	0	0	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	0	0	0	%100
69	M92A	X	4.742	4.742	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	14.488	14.488	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,%]
72	M93	Z	0	0	0	%100
73	M95	X	15.26	15.26	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	8.298	8.298	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	8.298	8.298	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	7.507	7.507	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	7.507	7.507	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	7.507	7.507	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	7.507	7.507	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	7.507	7.507	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	7.507	7.507	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	7.507	7.507	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	7.507	7.507	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	7.507	7.507	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	7.507	7.507	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	7.507	7.507	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	7.507	7.507	0	%100
102	MP4B	Z	0	0	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	0	0	0	%100
105	M101	X	6.816	6.816	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	6.816	6.816	0	%100
108	M102	Z	0	0	0	%100
109	M121	X	8.143	8.143	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	8.143	8.143	0	%100
114	M123	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	2.395	2.395	0	%100
2	M1	Z	1.383	1.383	0	%100
3	M4	X	7.299	7.299	0	%100
4	M4	Z	4.214	4.214	0	%100
5	M10	X	2.059	2.059	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,%]
6	M10	Z	1.189	1.189	0	%100
7	M43	X	2.059	2.059	0	%100
8	M43	Z	1.189	1.189	0	%100
9	M46	X	4.106	4.106	0	%100
10	M46	Z	2.371	2.371	0	%100
11	M51B	X	2.28	2.28	0	%100
12	M51B	Z	1.316	1.316	0	%100
13	M52B	X	9.121	9.121	0	%100
14	M52B	Z	5.266	5.266	0	%100
15	M76	X	12.319	12.319	0	%100
16	M76	Z	7.112	7.112	0	%100
17	M77	X	4.182	4.182	0	%100
18	M77	Z	2.415	2.415	0	%100
19	M80	X	4.405	4.405	0	%100
20	M80	Z	2.543	2.543	0	%100
21	M84	X	12.319	12.319	0	%100
22	M84	Z	7.112	7.112	0	%100
23	M85	X	16.729	16.729	0	%100
24	M85	Z	9.659	9.659	0	%100
25	M91	X	17.621	17.621	0	%100
26	M91	Z	10.173	10.173	0	%100
27	M52A	X	7.299	7.299	0	%100
28	M52A	Z	4.214	4.214	0	%100
29	M53	X	2.059	2.059	0	%100
30	M53	Z	1.189	1.189	0	%100
31	M54	X	2.059	2.059	0	%100
32	M54	Z	1.189	1.189	0	%100
33	M55	X	4.106	4.106	0	%100
34	M55	Z	2.371	2.371	0	%100
35	M58A	X	9.121	9.121	0	%100
36	M58A	Z	5.266	5.266	0	%100
37	M59A	X	2.28	2.28	0	%100
38	M59A	Z	1.316	1.316	0	%100
39	M63	X	12.319	12.319	0	%100
40	M63	Z	7.112	7.112	0	%100
41	M64	X	16.729	16.729	0	%100
42	M64	Z	9.659	9.659	0	%100
43	M66	X	17.621	17.621	0	%100
44	M66	Z	10.173	10.173	0	%100
45	M68	X	12.319	12.319	0	%100
46	M68	Z	7.112	7.112	0	%100
47	M69	X	4.182	4.182	0	%100
48	M69	Z	2.415	2.415	0	%100
49	M71	X	4.405	4.405	0	%100
50	M71	Z	2.543	2.543	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	8.235	8.235	0	%100
54	M77A	Z	4.754	4.754	0	%100
55	M78	X	8.235	8.235	0	%100
56	M78	Z	4.754	4.754	0	%100
57	M79A	X	16.425	16.425	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M79A	Z	9.483	9.483	0	%100
59	M82	X	2.28	2.28	0	%100
60	M82	Z	1.316	1.316	0	%100
61	M83A	X	2.28	2.28	0	%100
62	M83A	Z	1.316	1.316	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	4.182	4.182	0	%100
66	M88A	Z	2.415	2.415	0	%100
67	M90	X	4.405	4.405	0	%100
68	M90	Z	2.543	2.543	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	4.182	4.182	0	%100
72	M93	Z	2.415	2.415	0	%100
73	M95	X	4.405	4.405	0	%100
74	M95	Z	2.543	2.543	0	%100
75	M82A	X	2.395	2.395	0	%100
76	M82A	Z	1.383	1.383	0	%100
77	M91B	X	9.581	9.581	0	%100
78	M91B	Z	5.532	5.532	0	%100
79	MP1A	X	6.502	6.502	0	%100
80	MP1A	Z	3.754	3.754	0	%100
81	MP2A	X	6.502	6.502	0	%100
82	MP2A	Z	3.754	3.754	0	%100
83	MP3A	X	6.502	6.502	0	%100
84	MP3A	Z	3.754	3.754	0	%100
85	MP4A	X	6.502	6.502	0	%100
86	MP4A	Z	3.754	3.754	0	%100
87	MP1C	X	6.502	6.502	0	%100
88	MP1C	Z	3.754	3.754	0	%100
89	MP2C	X	6.502	6.502	0	%100
90	MP2C	Z	3.754	3.754	0	%100
91	MP3C	X	6.502	6.502	0	%100
92	MP3C	Z	3.754	3.754	0	%100
93	MP4C	X	6.502	6.502	0	%100
94	MP4C	Z	3.754	3.754	0	%100
95	MP1B	X	6.502	6.502	0	%100
96	MP1B	Z	3.754	3.754	0	%100
97	MP2B	X	6.502	6.502	0	%100
98	MP2B	Z	3.754	3.754	0	%100
99	MP3B	X	6.502	6.502	0	%100
100	MP3B	Z	3.754	3.754	0	%100
101	MP4B	X	6.502	6.502	0	%100
102	MP4B	Z	3.754	3.754	0	%100
103	M100	X	1.968	1.968	0	%100
104	M100	Z	1.136	1.136	0	%100
105	M101	X	1.968	1.968	0	%100
106	M101	Z	1.136	1.136	0	%100
107	M102	X	7.87	7.87	0	%100
108	M102	Z	4.544	4.544	0	%100
109	M121	X	2.351	2.351	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,%]
110	M121	Z	1.357	1.357	0	%100
111	M122	X	2.351	2.351	0	%100
112	M122	Z	1.357	1.357	0	%100
113	M123	X	9.403	9.403	0	%100
114	M123	Z	5.429	5.429	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	4.149	4.149	0	%100
2	M1	Z	7.186	7.186	0	%100
3	M4	X	1.405	1.405	0	%100
4	M4	Z	2.433	2.433	0	%100
5	M10	X	3.566	3.566	0	%100
6	M10	Z	6.176	6.176	0	%100
7	M43	X	3.566	3.566	0	%100
8	M43	Z	6.176	6.176	0	%100
9	M46	X	7.112	7.112	0	%100
10	M46	Z	12.319	12.319	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	3.949	3.949	0	%100
14	M52B	Z	6.84	6.84	0	%100
15	M76	X	2.371	2.371	0	%100
16	M76	Z	4.106	4.106	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	2.371	2.371	0	%100
22	M84	Z	4.106	4.106	0	%100
23	M85	X	7.244	7.244	0	%100
24	M85	Z	12.547	12.547	0	%100
25	M91	X	7.63	7.63	0	%100
26	M91	Z	13.215	13.215	0	%100
27	M52A	X	5.619	5.619	0	%100
28	M52A	Z	9.732	9.732	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	3.949	3.949	0	%100
36	M58A	Z	6.84	6.84	0	%100
37	M59A	X	3.949	3.949	0	%100
38	M59A	Z	6.84	6.84	0	%100
39	M63	X	9.483	9.483	0	%100
40	M63	Z	16.425	16.425	0	%100
41	M64	X	7.244	7.244	0	%100
42	M64	Z	12.547	12.547	0	%100
43	M66	X	7.63	7.63	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,%]
44	M66	Z	13.215	13.215	0	%100
45	M68	X	9.483	9.483	0	%100
46	M68	Z	16.425	16.425	0	%100
47	M69	X	7.244	7.244	0	%100
48	M69	Z	12.547	12.547	0	%100
49	M71	X	7.63	7.63	0	%100
50	M71	Z	13.215	13.215	0	%100
51	M76A	X	1.405	1.405	0	%100
52	M76A	Z	2.433	2.433	0	%100
53	M77A	X	3.566	3.566	0	%100
54	M77A	Z	6.176	6.176	0	%100
55	M78	X	3.566	3.566	0	%100
56	M78	Z	6.176	6.176	0	%100
57	M79A	X	7.112	7.112	0	%100
58	M79A	Z	12.319	12.319	0	%100
59	M82	X	3.949	3.949	0	%100
60	M82	Z	6.84	6.84	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	2.371	2.371	0	%100
64	M87	Z	4.106	4.106	0	%100
65	M88A	X	7.244	7.244	0	%100
66	M88A	Z	12.547	12.547	0	%100
67	M90	X	7.63	7.63	0	%100
68	M90	Z	13.215	13.215	0	%100
69	M92A	X	2.371	2.371	0	%100
70	M92A	Z	4.106	4.106	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	4.149	4.149	0	%100
78	M91B	Z	7.186	7.186	0	%100
79	MP1A	X	3.754	3.754	0	%100
80	MP1A	Z	6.502	6.502	0	%100
81	MP2A	X	3.754	3.754	0	%100
82	MP2A	Z	6.502	6.502	0	%100
83	MP3A	X	3.754	3.754	0	%100
84	MP3A	Z	6.502	6.502	0	%100
85	MP4A	X	3.754	3.754	0	%100
86	MP4A	Z	6.502	6.502	0	%100
87	MP1C	X	3.754	3.754	0	%100
88	MP1C	Z	6.502	6.502	0	%100
89	MP2C	X	3.754	3.754	0	%100
90	MP2C	Z	6.502	6.502	0	%100
91	MP3C	X	3.754	3.754	0	%100
92	MP3C	Z	6.502	6.502	0	%100
93	MP4C	X	3.754	3.754	0	%100
94	MP4C	Z	6.502	6.502	0	%100
95	MP1B	X	3.754	3.754	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,%]
96	MP1B	Z	6.502	6.502	0	%100
97	MP2B	X	3.754	3.754	0	%100
98	MP2B	Z	6.502	6.502	0	%100
99	MP3B	X	3.754	3.754	0	%100
100	MP3B	Z	6.502	6.502	0	%100
101	MP4B	X	3.754	3.754	0	%100
102	MP4B	Z	6.502	6.502	0	%100
103	M100	X	3.408	3.408	0	%100
104	M100	Z	5.903	5.903	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	3.408	3.408	0	%100
108	M102	Z	5.903	5.903	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	4.071	4.071	0	%100
112	M122	Z	7.052	7.052	0	%100
113	M123	X	4.071	4.071	0	%100
114	M123	Z	7.052	7.052	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	11.064	11.064	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	9.509	9.509	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	9.509	9.509	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	18.966	18.966	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	2.633	2.633	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	2.633	2.633	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	4.829	4.829	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	5.087	5.087	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	4.829	4.829	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	5.087	5.087	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	8.428	8.428	0	%100
29	M53	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,%]
30	M53	Z	2.377	2.377	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	2.377	2.377	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	4.742	4.742	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	2.633	2.633	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	10.532	10.532	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	14.225	14.225	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	4.829	4.829	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	5.087	5.087	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	14.225	14.225	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	19.317	19.317	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	20.347	20.347	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	8.428	8.428	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	2.377	2.377	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	2.377	2.377	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	4.742	4.742	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	10.532	10.532	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	2.633	2.633	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	14.225	14.225	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	19.317	19.317	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	20.347	20.347	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	14.225	14.225	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	4.829	4.829	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	5.087	5.087	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	2.766	2.766	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	2.766	2.766	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	7.507	7.507	0	%100
81	MP2A	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,%]
82	MP2A	Z	7.507	7.507	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	7.507	7.507	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	7.507	7.507	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	7.507	7.507	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	7.507	7.507	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	7.507	7.507	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	7.507	7.507	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	7.507	7.507	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	7.507	7.507	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	7.507	7.507	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	7.507	7.507	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	9.088	9.088	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	2.272	2.272	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	2.272	2.272	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	2.714	2.714	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	10.857	10.857	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	2.714	2.714	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	-4.149	-4.149	0	%100
2	M1	Z	7.186	7.186	0	%100
3	M4	X	-1.405	-1.405	0	%100
4	M4	Z	2.433	2.433	0	%100
5	M10	X	-3.566	-3.566	0	%100
6	M10	Z	6.176	6.176	0	%100
7	M43	X	-3.566	-3.566	0	%100
8	M43	Z	6.176	6.176	0	%100
9	M46	X	-7.112	-7.112	0	%100
10	M46	Z	12.319	12.319	0	%100
11	M51B	X	-3.949	-3.949	0	%100
12	M51B	Z	6.84	6.84	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-2.371	-2.371	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,%]
16	M76	Z	4.106	4.106	0	%100
17	M77	X	-7.244	-7.244	0	%100
18	M77	Z	12.547	12.547	0	%100
19	M80	X	-7.63	-7.63	0	%100
20	M80	Z	13.215	13.215	0	%100
21	M84	X	-2.371	-2.371	0	%100
22	M84	Z	4.106	4.106	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	-1.405	-1.405	0	%100
28	M52A	Z	2.433	2.433	0	%100
29	M53	X	-3.566	-3.566	0	%100
30	M53	Z	6.176	6.176	0	%100
31	M54	X	-3.566	-3.566	0	%100
32	M54	Z	6.176	6.176	0	%100
33	M55	X	-7.112	-7.112	0	%100
34	M55	Z	12.319	12.319	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	-3.949	-3.949	0	%100
38	M59A	Z	6.84	6.84	0	%100
39	M63	X	-2.371	-2.371	0	%100
40	M63	Z	4.106	4.106	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	-2.371	-2.371	0	%100
46	M68	Z	4.106	4.106	0	%100
47	M69	X	-7.244	-7.244	0	%100
48	M69	Z	12.547	12.547	0	%100
49	M71	X	-7.63	-7.63	0	%100
50	M71	Z	13.215	13.215	0	%100
51	M76A	X	-5.619	-5.619	0	%100
52	M76A	Z	9.732	9.732	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	-3.949	-3.949	0	%100
60	M82	Z	6.84	6.84	0	%100
61	M83A	X	-3.949	-3.949	0	%100
62	M83A	Z	6.84	6.84	0	%100
63	M87	X	-9.483	-9.483	0	%100
64	M87	Z	16.425	16.425	0	%100
65	M88A	X	-7.244	-7.244	0	%100
66	M88A	Z	12.547	12.547	0	%100
67	M90	X	-7.63	-7.63	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,%]
68	M90	Z	13.215	13.215	0	%100
69	M92A	X	-9.483	-9.483	0	%100
70	M92A	Z	16.425	16.425	0	%100
71	M93	X	-7.244	-7.244	0	%100
72	M93	Z	12.547	12.547	0	%100
73	M95	X	-7.63	-7.63	0	%100
74	M95	Z	13.215	13.215	0	%100
75	M82A	X	-4.149	-4.149	0	%100
76	M82A	Z	7.186	7.186	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	-3.754	-3.754	0	%100
80	MP1A	Z	6.502	6.502	0	%100
81	MP2A	X	-3.754	-3.754	0	%100
82	MP2A	Z	6.502	6.502	0	%100
83	MP3A	X	-3.754	-3.754	0	%100
84	MP3A	Z	6.502	6.502	0	%100
85	MP4A	X	-3.754	-3.754	0	%100
86	MP4A	Z	6.502	6.502	0	%100
87	MP1C	X	-3.754	-3.754	0	%100
88	MP1C	Z	6.502	6.502	0	%100
89	MP2C	X	-3.754	-3.754	0	%100
90	MP2C	Z	6.502	6.502	0	%100
91	MP3C	X	-3.754	-3.754	0	%100
92	MP3C	Z	6.502	6.502	0	%100
93	MP4C	X	-3.754	-3.754	0	%100
94	MP4C	Z	6.502	6.502	0	%100
95	MP1B	X	-3.754	-3.754	0	%100
96	MP1B	Z	6.502	6.502	0	%100
97	MP2B	X	-3.754	-3.754	0	%100
98	MP2B	Z	6.502	6.502	0	%100
99	MP3B	X	-3.754	-3.754	0	%100
100	MP3B	Z	6.502	6.502	0	%100
101	MP4B	X	-3.754	-3.754	0	%100
102	MP4B	Z	6.502	6.502	0	%100
103	M100	X	-3.408	-3.408	0	%100
104	M100	Z	5.903	5.903	0	%100
105	M101	X	-3.408	-3.408	0	%100
106	M101	Z	5.903	5.903	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	0	0	0	%100
109	M121	X	-4.071	-4.071	0	%100
110	M121	Z	7.052	7.052	0	%100
111	M122	X	-4.071	-4.071	0	%100
112	M122	Z	7.052	7.052	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	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	-2.395	-2.395	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,%]
2	M1	Z	1.383	1.383	0	%100
3	M4	X	-7.299	-7.299	0	%100
4	M4	Z	4.214	4.214	0	%100
5	M10	X	-2.059	-2.059	0	%100
6	M10	Z	1.189	1.189	0	%100
7	M43	X	-2.059	-2.059	0	%100
8	M43	Z	1.189	1.189	0	%100
9	M46	X	-4.106	-4.106	0	%100
10	M46	Z	2.371	2.371	0	%100
11	M51B	X	-9.121	-9.121	0	%100
12	M51B	Z	5.266	5.266	0	%100
13	M52B	X	-2.28	-2.28	0	%100
14	M52B	Z	1.316	1.316	0	%100
15	M76	X	-12.319	-12.319	0	%100
16	M76	Z	7.112	7.112	0	%100
17	M77	X	-16.729	-16.729	0	%100
18	M77	Z	9.659	9.659	0	%100
19	M80	X	-17.621	-17.621	0	%100
20	M80	Z	10.173	10.173	0	%100
21	M84	X	-12.319	-12.319	0	%100
22	M84	Z	7.112	7.112	0	%100
23	M85	X	-4.182	-4.182	0	%100
24	M85	Z	2.415	2.415	0	%100
25	M91	X	-4.405	-4.405	0	%100
26	M91	Z	2.543	2.543	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	-8.235	-8.235	0	%100
30	M53	Z	4.754	4.754	0	%100
31	M54	X	-8.235	-8.235	0	%100
32	M54	Z	4.754	4.754	0	%100
33	M55	X	-16.425	-16.425	0	%100
34	M55	Z	9.483	9.483	0	%100
35	M58A	X	-2.28	-2.28	0	%100
36	M58A	Z	1.316	1.316	0	%100
37	M59A	X	-2.28	-2.28	0	%100
38	M59A	Z	1.316	1.316	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	-4.182	-4.182	0	%100
42	M64	Z	2.415	2.415	0	%100
43	M66	X	-4.405	-4.405	0	%100
44	M66	Z	2.543	2.543	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	-4.182	-4.182	0	%100
48	M69	Z	2.415	2.415	0	%100
49	M71	X	-4.405	-4.405	0	%100
50	M71	Z	2.543	2.543	0	%100
51	M76A	X	-7.299	-7.299	0	%100
52	M76A	Z	4.214	4.214	0	%100
53	M77A	X	-2.059	-2.059	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,%]
54	M77A	Z	1.189	1.189	0	%100
55	M78	X	-2.059	-2.059	0	%100
56	M78	Z	1.189	1.189	0	%100
57	M79A	X	-4.106	-4.106	0	%100
58	M79A	Z	2.371	2.371	0	%100
59	M82	X	-2.28	-2.28	0	%100
60	M82	Z	1.316	1.316	0	%100
61	M83A	X	-9.121	-9.121	0	%100
62	M83A	Z	5.266	5.266	0	%100
63	M87	X	-12.319	-12.319	0	%100
64	M87	Z	7.112	7.112	0	%100
65	M88A	X	-4.182	-4.182	0	%100
66	M88A	Z	2.415	2.415	0	%100
67	M90	X	-4.405	-4.405	0	%100
68	M90	Z	2.543	2.543	0	%100
69	M92A	X	-12.319	-12.319	0	%100
70	M92A	Z	7.112	7.112	0	%100
71	M93	X	-16.729	-16.729	0	%100
72	M93	Z	9.659	9.659	0	%100
73	M95	X	-17.621	-17.621	0	%100
74	M95	Z	10.173	10.173	0	%100
75	M82A	X	-9.581	-9.581	0	%100
76	M82A	Z	5.532	5.532	0	%100
77	M91B	X	-2.395	-2.395	0	%100
78	M91B	Z	1.383	1.383	0	%100
79	MP1A	X	-6.502	-6.502	0	%100
80	MP1A	Z	3.754	3.754	0	%100
81	MP2A	X	-6.502	-6.502	0	%100
82	MP2A	Z	3.754	3.754	0	%100
83	MP3A	X	-6.502	-6.502	0	%100
84	MP3A	Z	3.754	3.754	0	%100
85	MP4A	X	-6.502	-6.502	0	%100
86	MP4A	Z	3.754	3.754	0	%100
87	MP1C	X	-6.502	-6.502	0	%100
88	MP1C	Z	3.754	3.754	0	%100
89	MP2C	X	-6.502	-6.502	0	%100
90	MP2C	Z	3.754	3.754	0	%100
91	MP3C	X	-6.502	-6.502	0	%100
92	MP3C	Z	3.754	3.754	0	%100
93	MP4C	X	-6.502	-6.502	0	%100
94	MP4C	Z	3.754	3.754	0	%100
95	MP1B	X	-6.502	-6.502	0	%100
96	MP1B	Z	3.754	3.754	0	%100
97	MP2B	X	-6.502	-6.502	0	%100
98	MP2B	Z	3.754	3.754	0	%100
99	MP3B	X	-6.502	-6.502	0	%100
100	MP3B	Z	3.754	3.754	0	%100
101	MP4B	X	-6.502	-6.502	0	%100
102	MP4B	Z	3.754	3.754	0	%100
103	M100	X	-1.968	-1.968	0	%100
104	M100	Z	1.136	1.136	0	%100
105	M101	X	-7.87	-7.87	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,%]
106	M101	Z	4.544	4.544	0	%100
107	M102	X	-1.968	-1.968	0	%100
108	M102	Z	1.136	1.136	0	%100
109	M121	X	-9.403	-9.403	0	%100
110	M121	Z	5.429	5.429	0	%100
111	M122	X	-2.351	-2.351	0	%100
112	M122	Z	1.357	1.357	0	%100
113	M123	X	-2.351	-2.351	0	%100
114	M123	Z	1.357	1.357	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	-11.237	-11.237	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	-7.899	-7.899	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-7.899	-7.899	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-18.966	-18.966	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	-14.488	-14.488	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	-15.26	-15.26	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-18.966	-18.966	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	-14.488	-14.488	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	-15.26	-15.26	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	-2.809	-2.809	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	-7.132	-7.132	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	-7.132	-7.132	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	-14.225	-14.225	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	-7.899	-7.899	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	0	0	0	%100
39	M63	X	-4.742	-4.742	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,%]
40	M63	Z	0	0	0	%100
41	M64	X	-14.488	-14.488	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	-15.26	-15.26	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	-4.742	-4.742	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	0	0	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	0	0	0	%100
51	M76A	X	-2.809	-2.809	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	-7.132	-7.132	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	-7.132	-7.132	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	-14.225	-14.225	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	0	0	0	%100
61	M83A	X	-7.899	-7.899	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	-4.742	-4.742	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	0	0	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	0	0	0	%100
69	M92A	X	-4.742	-4.742	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	-14.488	-14.488	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	-15.26	-15.26	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	-8.298	-8.298	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	-8.298	-8.298	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	-7.507	-7.507	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-7.507	-7.507	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-7.507	-7.507	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-7.507	-7.507	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	-7.507	-7.507	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	-7.507	-7.507	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	-7.507	-7.507	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,%]
92	MP3C	Z	0	0	0	%100
93	MP4C	X	-7.507	-7.507	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	-7.507	-7.507	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	-7.507	-7.507	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-7.507	-7.507	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-7.507	-7.507	0	%100
102	MP4B	Z	0	0	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	0	0	0	%100
105	M101	X	-6.816	-6.816	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	-6.816	-6.816	0	%100
108	M102	Z	0	0	0	%100
109	M121	X	-8.143	-8.143	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	-8.143	-8.143	0	%100
114	M123	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	-2.395	-2.395	0	%100
2	M1	Z	-1.383	-1.383	0	%100
3	M4	X	-7.299	-7.299	0	%100
4	M4	Z	-4.214	-4.214	0	%100
5	M10	X	-2.059	-2.059	0	%100
6	M10	Z	-1.189	-1.189	0	%100
7	M43	X	-2.059	-2.059	0	%100
8	M43	Z	-1.189	-1.189	0	%100
9	M46	X	-4.106	-4.106	0	%100
10	M46	Z	-2.371	-2.371	0	%100
11	M51B	X	-2.28	-2.28	0	%100
12	M51B	Z	-1.316	-1.316	0	%100
13	M52B	X	-9.121	-9.121	0	%100
14	M52B	Z	-5.266	-5.266	0	%100
15	M76	X	-12.319	-12.319	0	%100
16	M76	Z	-7.112	-7.112	0	%100
17	M77	X	-4.182	-4.182	0	%100
18	M77	Z	-2.415	-2.415	0	%100
19	M80	X	-4.405	-4.405	0	%100
20	M80	Z	-2.543	-2.543	0	%100
21	M84	X	-12.319	-12.319	0	%100
22	M84	Z	-7.112	-7.112	0	%100
23	M85	X	-16.729	-16.729	0	%100
24	M85	Z	-9.659	-9.659	0	%100
25	M91	X	-17.621	-17.621	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,%]
26	M91	Z	-10.173	-10.173	0	%100
27	M52A	X	-7.299	-7.299	0	%100
28	M52A	Z	-4.214	-4.214	0	%100
29	M53	X	-2.059	-2.059	0	%100
30	M53	Z	-1.189	-1.189	0	%100
31	M54	X	-2.059	-2.059	0	%100
32	M54	Z	-1.189	-1.189	0	%100
33	M55	X	-4.106	-4.106	0	%100
34	M55	Z	-2.371	-2.371	0	%100
35	M58A	X	-9.121	-9.121	0	%100
36	M58A	Z	-5.266	-5.266	0	%100
37	M59A	X	-2.28	-2.28	0	%100
38	M59A	Z	-1.316	-1.316	0	%100
39	M63	X	-12.319	-12.319	0	%100
40	M63	Z	-7.112	-7.112	0	%100
41	M64	X	-16.729	-16.729	0	%100
42	M64	Z	-9.659	-9.659	0	%100
43	M66	X	-17.621	-17.621	0	%100
44	M66	Z	-10.173	-10.173	0	%100
45	M68	X	-12.319	-12.319	0	%100
46	M68	Z	-7.112	-7.112	0	%100
47	M69	X	-4.182	-4.182	0	%100
48	M69	Z	-2.415	-2.415	0	%100
49	M71	X	-4.405	-4.405	0	%100
50	M71	Z	-2.543	-2.543	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	-8.235	-8.235	0	%100
54	M77A	Z	-4.754	-4.754	0	%100
55	M78	X	-8.235	-8.235	0	%100
56	M78	Z	-4.754	-4.754	0	%100
57	M79A	X	-16.425	-16.425	0	%100
58	M79A	Z	-9.483	-9.483	0	%100
59	M82	X	-2.28	-2.28	0	%100
60	M82	Z	-1.316	-1.316	0	%100
61	M83A	X	-2.28	-2.28	0	%100
62	M83A	Z	-1.316	-1.316	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	-4.182	-4.182	0	%100
66	M88A	Z	-2.415	-2.415	0	%100
67	M90	X	-4.405	-4.405	0	%100
68	M90	Z	-2.543	-2.543	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	-4.182	-4.182	0	%100
72	M93	Z	-2.415	-2.415	0	%100
73	M95	X	-4.405	-4.405	0	%100
74	M95	Z	-2.543	-2.543	0	%100
75	M82A	X	-2.395	-2.395	0	%100
76	M82A	Z	-1.383	-1.383	0	%100
77	M91B	X	-9.581	-9.581	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,%]
78	M91B	Z	-5.532	-5.532	0	%100
79	MP1A	X	-6.502	-6.502	0	%100
80	MP1A	Z	-3.754	-3.754	0	%100
81	MP2A	X	-6.502	-6.502	0	%100
82	MP2A	Z	-3.754	-3.754	0	%100
83	MP3A	X	-6.502	-6.502	0	%100
84	MP3A	Z	-3.754	-3.754	0	%100
85	MP4A	X	-6.502	-6.502	0	%100
86	MP4A	Z	-3.754	-3.754	0	%100
87	MP1C	X	-6.502	-6.502	0	%100
88	MP1C	Z	-3.754	-3.754	0	%100
89	MP2C	X	-6.502	-6.502	0	%100
90	MP2C	Z	-3.754	-3.754	0	%100
91	MP3C	X	-6.502	-6.502	0	%100
92	MP3C	Z	-3.754	-3.754	0	%100
93	MP4C	X	-6.502	-6.502	0	%100
94	MP4C	Z	-3.754	-3.754	0	%100
95	MP1B	X	-6.502	-6.502	0	%100
96	MP1B	Z	-3.754	-3.754	0	%100
97	MP2B	X	-6.502	-6.502	0	%100
98	MP2B	Z	-3.754	-3.754	0	%100
99	MP3B	X	-6.502	-6.502	0	%100
100	MP3B	Z	-3.754	-3.754	0	%100
101	MP4B	X	-6.502	-6.502	0	%100
102	MP4B	Z	-3.754	-3.754	0	%100
103	M100	X	-1.968	-1.968	0	%100
104	M100	Z	-1.136	-1.136	0	%100
105	M101	X	-1.968	-1.968	0	%100
106	M101	Z	-1.136	-1.136	0	%100
107	M102	X	-7.87	-7.87	0	%100
108	M102	Z	-4.544	-4.544	0	%100
109	M121	X	-2.351	-2.351	0	%100
110	M121	Z	-1.357	-1.357	0	%100
111	M122	X	-2.351	-2.351	0	%100
112	M122	Z	-1.357	-1.357	0	%100
113	M123	X	-9.403	-9.403	0	%100
114	M123	Z	-5.429	-5.429	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	-4.149	-4.149	0	%100
2	M1	Z	-7.186	-7.186	0	%100
3	M4	X	-1.405	-1.405	0	%100
4	M4	Z	-2.433	-2.433	0	%100
5	M10	X	-3.566	-3.566	0	%100
6	M10	Z	-6.176	-6.176	0	%100
7	M43	X	-3.566	-3.566	0	%100
8	M43	Z	-6.176	-6.176	0	%100
9	M46	X	-7.112	-7.112	0	%100
10	M46	Z	-12.319	-12.319	0	%100
11	M51B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
12	M51B	Z	0	0	0	%100
13	M52B	X	-3.949	-3.949	0	%100
14	M52B	Z	-6.84	-6.84	0	%100
15	M76	X	-2.371	-2.371	0	%100
16	M76	Z	-4.106	-4.106	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-2.371	-2.371	0	%100
22	M84	Z	-4.106	-4.106	0	%100
23	M85	X	-7.244	-7.244	0	%100
24	M85	Z	-12.547	-12.547	0	%100
25	M91	X	-7.63	-7.63	0	%100
26	M91	Z	-13.215	-13.215	0	%100
27	M52A	X	-5.619	-5.619	0	%100
28	M52A	Z	-9.732	-9.732	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	-3.949	-3.949	0	%100
36	M58A	Z	-6.84	-6.84	0	%100
37	M59A	X	-3.949	-3.949	0	%100
38	M59A	Z	-6.84	-6.84	0	%100
39	M63	X	-9.483	-9.483	0	%100
40	M63	Z	-16.425	-16.425	0	%100
41	M64	X	-7.244	-7.244	0	%100
42	M64	Z	-12.547	-12.547	0	%100
43	M66	X	-7.63	-7.63	0	%100
44	M66	Z	-13.215	-13.215	0	%100
45	M68	X	-9.483	-9.483	0	%100
46	M68	Z	-16.425	-16.425	0	%100
47	M69	X	-7.244	-7.244	0	%100
48	M69	Z	-12.547	-12.547	0	%100
49	M71	X	-7.63	-7.63	0	%100
50	M71	Z	-13.215	-13.215	0	%100
51	M76A	X	-1.405	-1.405	0	%100
52	M76A	Z	-2.433	-2.433	0	%100
53	M77A	X	-3.566	-3.566	0	%100
54	M77A	Z	-6.176	-6.176	0	%100
55	M78	X	-3.566	-3.566	0	%100
56	M78	Z	-6.176	-6.176	0	%100
57	M79A	X	-7.112	-7.112	0	%100
58	M79A	Z	-12.319	-12.319	0	%100
59	M82	X	-3.949	-3.949	0	%100
60	M82	Z	-6.84	-6.84	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	-2.371	-2.371	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,%]
64	M87	Z	-4.106	-4.106	0	%100
65	M88A	X	-7.244	-7.244	0	%100
66	M88A	Z	-12.547	-12.547	0	%100
67	M90	X	-7.63	-7.63	0	%100
68	M90	Z	-13.215	-13.215	0	%100
69	M92A	X	-2.371	-2.371	0	%100
70	M92A	Z	-4.106	-4.106	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	-4.149	-4.149	0	%100
78	M91B	Z	-7.186	-7.186	0	%100
79	MP1A	X	-3.754	-3.754	0	%100
80	MP1A	Z	-6.502	-6.502	0	%100
81	MP2A	X	-3.754	-3.754	0	%100
82	MP2A	Z	-6.502	-6.502	0	%100
83	MP3A	X	-3.754	-3.754	0	%100
84	MP3A	Z	-6.502	-6.502	0	%100
85	MP4A	X	-3.754	-3.754	0	%100
86	MP4A	Z	-6.502	-6.502	0	%100
87	MP1C	X	-3.754	-3.754	0	%100
88	MP1C	Z	-6.502	-6.502	0	%100
89	MP2C	X	-3.754	-3.754	0	%100
90	MP2C	Z	-6.502	-6.502	0	%100
91	MP3C	X	-3.754	-3.754	0	%100
92	MP3C	Z	-6.502	-6.502	0	%100
93	MP4C	X	-3.754	-3.754	0	%100
94	MP4C	Z	-6.502	-6.502	0	%100
95	MP1B	X	-3.754	-3.754	0	%100
96	MP1B	Z	-6.502	-6.502	0	%100
97	MP2B	X	-3.754	-3.754	0	%100
98	MP2B	Z	-6.502	-6.502	0	%100
99	MP3B	X	-3.754	-3.754	0	%100
100	MP3B	Z	-6.502	-6.502	0	%100
101	MP4B	X	-3.754	-3.754	0	%100
102	MP4B	Z	-6.502	-6.502	0	%100
103	M100	X	-3.408	-3.408	0	%100
104	M100	Z	-5.903	-5.903	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	-3.408	-3.408	0	%100
108	M102	Z	-5.903	-5.903	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	-4.071	-4.071	0	%100
112	M122	Z	-7.052	-7.052	0	%100
113	M123	X	-4.071	-4.071	0	%100
114	M123	Z	-7.052	-7.052	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	-3.28	-3.28	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	-2.701	-2.701	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	-2.701	-2.701	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	-4.23	-4.23	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	-.778	-.778	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	-.778	-.778	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	-1.056	-1.056	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	-1.102	-1.102	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	-1.056	-1.056	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	-1.102	-1.102	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	-2.483	-2.483	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	-.675	-.675	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	-.675	-.675	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	-1.057	-1.057	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	-.778	-.778	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	-3.11	-3.11	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	-3.12	-3.12	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	-1.056	-1.056	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	-1.102	-1.102	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	-3.12	-3.12	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	-4.223	-4.223	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	-4.407	-4.407	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	-2.483	-2.483	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,%]
53	M77A	X	0	0	0	%100
54	M77A	Z	-.675	-.675	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	-.675	-.675	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	-1.057	-1.057	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	-3.11	-3.11	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	-.778	-.778	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	-3.12	-3.12	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	-4.223	-4.223	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	-4.407	-4.407	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	-3.12	-3.12	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	-1.056	-1.056	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	-1.102	-1.102	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	-.82	-.82	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	-.82	-.82	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-2.641	-2.641	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-2.641	-2.641	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-2.641	-2.641	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-2.641	-2.641	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-2.641	-2.641	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-2.641	-2.641	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-2.641	-2.641	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	-2.641	-2.641	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-2.641	-2.641	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-2.641	-2.641	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-2.641	-2.641	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-2.641	-2.641	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	-2.925	-2.925	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,%]
105	M101	X	0	0	0	%100
106	M101	Z	-.731	-.731	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	-.731	-.731	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	-.711	-.711	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	-2.846	-2.846	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	-.711	-.711	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	1.23	1.23	0	%100
2	M1	Z	-2.13	-2.13	0	%100
3	M4	X	.414	.414	0	%100
4	M4	Z	-.717	-.717	0	%100
5	M10	X	1.013	1.013	0	%100
6	M10	Z	-1.755	-1.755	0	%100
7	M43	X	1.013	1.013	0	%100
8	M43	Z	-1.755	-1.755	0	%100
9	M46	X	1.586	1.586	0	%100
10	M46	Z	-2.747	-2.747	0	%100
11	M51B	X	1.166	1.166	0	%100
12	M51B	Z	-2.02	-2.02	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	.52	.52	0	%100
16	M76	Z	-.901	-.901	0	%100
17	M77	X	1.584	1.584	0	%100
18	M77	Z	-2.743	-2.743	0	%100
19	M80	X	1.653	1.653	0	%100
20	M80	Z	-2.863	-2.863	0	%100
21	M84	X	.52	.52	0	%100
22	M84	Z	-.901	-.901	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	.414	.414	0	%100
28	M52A	Z	-.717	-.717	0	%100
29	M53	X	1.013	1.013	0	%100
30	M53	Z	-1.755	-1.755	0	%100
31	M54	X	1.013	1.013	0	%100
32	M54	Z	-1.755	-1.755	0	%100
33	M55	X	1.586	1.586	0	%100
34	M55	Z	-2.747	-2.747	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	1.166	1.166	0	%100
38	M59A	Z	-2.02	-2.02	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,%]
39	M63	X	.52	.52	0	%100
40	M63	Z	-.901	-.901	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	.52	.52	0	%100
46	M68	Z	-.901	-.901	0	%100
47	M69	X	1.584	1.584	0	%100
48	M69	Z	-2.743	-2.743	0	%100
49	M71	X	1.653	1.653	0	%100
50	M71	Z	-2.863	-2.863	0	%100
51	M76A	X	1.655	1.655	0	%100
52	M76A	Z	-2.867	-2.867	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	1.166	1.166	0	%100
60	M82	Z	-2.02	-2.02	0	%100
61	M83A	X	1.166	1.166	0	%100
62	M83A	Z	-2.02	-2.02	0	%100
63	M87	X	2.08	2.08	0	%100
64	M87	Z	-3.602	-3.602	0	%100
65	M88A	X	1.584	1.584	0	%100
66	M88A	Z	-2.743	-2.743	0	%100
67	M90	X	1.653	1.653	0	%100
68	M90	Z	-2.863	-2.863	0	%100
69	M92A	X	2.08	2.08	0	%100
70	M92A	Z	-3.602	-3.602	0	%100
71	M93	X	1.584	1.584	0	%100
72	M93	Z	-2.743	-2.743	0	%100
73	M95	X	1.653	1.653	0	%100
74	M95	Z	-2.863	-2.863	0	%100
75	M82A	X	1.23	1.23	0	%100
76	M82A	Z	-2.13	-2.13	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	1.321	1.321	0	%100
80	MP1A	Z	-2.287	-2.287	0	%100
81	MP2A	X	1.321	1.321	0	%100
82	MP2A	Z	-2.287	-2.287	0	%100
83	MP3A	X	1.321	1.321	0	%100
84	MP3A	Z	-2.287	-2.287	0	%100
85	MP4A	X	1.321	1.321	0	%100
86	MP4A	Z	-2.287	-2.287	0	%100
87	MP1C	X	1.321	1.321	0	%100
88	MP1C	Z	-2.287	-2.287	0	%100
89	MP2C	X	1.321	1.321	0	%100
90	MP2C	Z	-2.287	-2.287	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,%]
91	MP3C	X	1.321	1.321	0	%100
92	MP3C	Z	-2.287	-2.287	0	%100
93	MP4C	X	1.321	1.321	0	%100
94	MP4C	Z	-2.287	-2.287	0	%100
95	MP1B	X	1.321	1.321	0	%100
96	MP1B	Z	-2.287	-2.287	0	%100
97	MP2B	X	1.321	1.321	0	%100
98	MP2B	Z	-2.287	-2.287	0	%100
99	MP3B	X	1.321	1.321	0	%100
100	MP3B	Z	-2.287	-2.287	0	%100
101	MP4B	X	1.321	1.321	0	%100
102	MP4B	Z	-2.287	-2.287	0	%100
103	M100	X	1.097	1.097	0	%100
104	M100	Z	-1.9	-1.9	0	%100
105	M101	X	1.097	1.097	0	%100
106	M101	Z	-1.9	-1.9	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	0	0	0	%100
109	M121	X	1.067	1.067	0	%100
110	M121	Z	-1.849	-1.849	0	%100
111	M122	X	1.067	1.067	0	%100
112	M122	Z	-1.849	-1.849	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	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	.71	.71	0	%100
2	M1	Z	-.41	-.41	0	%100
3	M4	X	2.15	2.15	0	%100
4	M4	Z	-1.242	-1.242	0	%100
5	M10	X	.585	.585	0	%100
6	M10	Z	-.338	-.338	0	%100
7	M43	X	.585	.585	0	%100
8	M43	Z	-.338	-.338	0	%100
9	M46	X	.916	.916	0	%100
10	M46	Z	-.529	-.529	0	%100
11	M51B	X	2.694	2.694	0	%100
12	M51B	Z	-1.555	-1.555	0	%100
13	M52B	X	.673	.673	0	%100
14	M52B	Z	-.389	-.389	0	%100
15	M76	X	2.702	2.702	0	%100
16	M76	Z	-1.56	-1.56	0	%100
17	M77	X	3.657	3.657	0	%100
18	M77	Z	-2.111	-2.111	0	%100
19	M80	X	3.817	3.817	0	%100
20	M80	Z	-2.204	-2.204	0	%100
21	M84	X	2.702	2.702	0	%100
22	M84	Z	-1.56	-1.56	0	%100
23	M85	X	.914	.914	0	%100
24	M85	Z	-.528	-.528	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,%]
25	M91	X	.954	.954	0	%100
26	M91	Z	-.551	-.551	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	2.339	2.339	0	%100
30	M53	Z	-1.351	-1.351	0	%100
31	M54	X	2.339	2.339	0	%100
32	M54	Z	-1.351	-1.351	0	%100
33	M55	X	3.663	3.663	0	%100
34	M55	Z	-2.115	-2.115	0	%100
35	M58A	X	.673	.673	0	%100
36	M58A	Z	-.389	-.389	0	%100
37	M59A	X	.673	.673	0	%100
38	M59A	Z	-.389	-.389	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	.914	.914	0	%100
42	M64	Z	-.528	-.528	0	%100
43	M66	X	.954	.954	0	%100
44	M66	Z	-.551	-.551	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	.914	.914	0	%100
48	M69	Z	-.528	-.528	0	%100
49	M71	X	.954	.954	0	%100
50	M71	Z	-.551	-.551	0	%100
51	M76A	X	2.15	2.15	0	%100
52	M76A	Z	-1.242	-1.242	0	%100
53	M77A	X	.585	.585	0	%100
54	M77A	Z	-.338	-.338	0	%100
55	M78	X	.585	.585	0	%100
56	M78	Z	-.338	-.338	0	%100
57	M79A	X	.916	.916	0	%100
58	M79A	Z	-.529	-.529	0	%100
59	M82	X	.673	.673	0	%100
60	M82	Z	-.389	-.389	0	%100
61	M83A	X	2.694	2.694	0	%100
62	M83A	Z	-1.555	-1.555	0	%100
63	M87	X	2.702	2.702	0	%100
64	M87	Z	-1.56	-1.56	0	%100
65	M88A	X	.914	.914	0	%100
66	M88A	Z	-.528	-.528	0	%100
67	M90	X	.954	.954	0	%100
68	M90	Z	-.551	-.551	0	%100
69	M92A	X	2.702	2.702	0	%100
70	M92A	Z	-1.56	-1.56	0	%100
71	M93	X	3.657	3.657	0	%100
72	M93	Z	-2.111	-2.111	0	%100
73	M95	X	3.817	3.817	0	%100
74	M95	Z	-2.204	-2.204	0	%100
75	M82A	X	2.84	2.84	0	%100
76	M82A	Z	-1.64	-1.64	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,%]
77	M91B	X	.71	.71	0	%100
78	M91B	Z	-.41	-.41	0	%100
79	MP1A	X	2.287	2.287	0	%100
80	MP1A	Z	-1.321	-1.321	0	%100
81	MP2A	X	2.287	2.287	0	%100
82	MP2A	Z	-1.321	-1.321	0	%100
83	MP3A	X	2.287	2.287	0	%100
84	MP3A	Z	-1.321	-1.321	0	%100
85	MP4A	X	2.287	2.287	0	%100
86	MP4A	Z	-1.321	-1.321	0	%100
87	MP1C	X	2.287	2.287	0	%100
88	MP1C	Z	-1.321	-1.321	0	%100
89	MP2C	X	2.287	2.287	0	%100
90	MP2C	Z	-1.321	-1.321	0	%100
91	MP3C	X	2.287	2.287	0	%100
92	MP3C	Z	-1.321	-1.321	0	%100
93	MP4C	X	2.287	2.287	0	%100
94	MP4C	Z	-1.321	-1.321	0	%100
95	MP1B	X	2.287	2.287	0	%100
96	MP1B	Z	-1.321	-1.321	0	%100
97	MP2B	X	2.287	2.287	0	%100
98	MP2B	Z	-1.321	-1.321	0	%100
99	MP3B	X	2.287	2.287	0	%100
100	MP3B	Z	-1.321	-1.321	0	%100
101	MP4B	X	2.287	2.287	0	%100
102	MP4B	Z	-1.321	-1.321	0	%100
103	M100	X	.633	.633	0	%100
104	M100	Z	-.366	-.366	0	%100
105	M101	X	2.533	2.533	0	%100
106	M101	Z	-1.462	-1.462	0	%100
107	M102	X	.633	.633	0	%100
108	M102	Z	-.366	-.366	0	%100
109	M121	X	2.465	2.465	0	%100
110	M121	Z	-1.423	-1.423	0	%100
111	M122	X	.616	.616	0	%100
112	M122	Z	-.356	-.356	0	%100
113	M123	X	.616	.616	0	%100
114	M123	Z	-.356	-.356	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	3.311	3.311	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	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,%]
11	M51B	X	2.333	2.333	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	2.333	2.333	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	4.16	4.16	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	3.167	3.167	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	3.306	3.306	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	4.16	4.16	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	3.167	3.167	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	3.306	3.306	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	.828	.828	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	2.026	2.026	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	2.026	2.026	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	3.172	3.172	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	2.333	2.333	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	0	0	0	%100
39	M63	X	1.04	1.04	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	3.167	3.167	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	3.306	3.306	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	1.04	1.04	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	0	0	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	0	0	0	%100
51	M76A	X	.828	.828	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	2.026	2.026	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	2.026	2.026	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	3.172	3.172	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	0	0	0	%100
61	M83A	X	2.333	2.333	0	%100
62	M83A	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,%]
63	M87	X	1.04	1.04	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	0	0	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	0	0	0	%100
69	M92A	X	1.04	1.04	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	3.167	3.167	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	3.306	3.306	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	2.46	2.46	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	2.46	2.46	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	2.641	2.641	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	2.641	2.641	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	2.641	2.641	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	2.641	2.641	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	2.641	2.641	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	2.641	2.641	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	2.641	2.641	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	2.641	2.641	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	2.641	2.641	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	2.641	2.641	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	2.641	2.641	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	2.641	2.641	0	%100
102	MP4B	Z	0	0	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	0	0	0	%100
105	M101	X	2.194	2.194	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	2.194	2.194	0	%100
108	M102	Z	0	0	0	%100
109	M121	X	2.134	2.134	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	2.134	2.134	0	%100
114	M123	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	.71	.71	0	%100
2	M1	Z	.41	.41	0	%100
3	M4	X	2.15	2.15	0	%100
4	M4	Z	1.242	1.242	0	%100
5	M10	X	.585	.585	0	%100
6	M10	Z	.338	.338	0	%100
7	M43	X	.585	.585	0	%100
8	M43	Z	.338	.338	0	%100
9	M46	X	.916	.916	0	%100
10	M46	Z	.529	.529	0	%100
11	M51B	X	.673	.673	0	%100
12	M51B	Z	.389	.389	0	%100
13	M52B	X	2.694	2.694	0	%100
14	M52B	Z	1.555	1.555	0	%100
15	M76	X	2.702	2.702	0	%100
16	M76	Z	1.56	1.56	0	%100
17	M77	X	.914	.914	0	%100
18	M77	Z	.528	.528	0	%100
19	M80	X	.954	.954	0	%100
20	M80	Z	.551	.551	0	%100
21	M84	X	2.702	2.702	0	%100
22	M84	Z	1.56	1.56	0	%100
23	M85	X	3.657	3.657	0	%100
24	M85	Z	2.111	2.111	0	%100
25	M91	X	3.817	3.817	0	%100
26	M91	Z	2.204	2.204	0	%100
27	M52A	X	2.15	2.15	0	%100
28	M52A	Z	1.242	1.242	0	%100
29	M53	X	.585	.585	0	%100
30	M53	Z	.338	.338	0	%100
31	M54	X	.585	.585	0	%100
32	M54	Z	.338	.338	0	%100
33	M55	X	.916	.916	0	%100
34	M55	Z	.529	.529	0	%100
35	M58A	X	2.694	2.694	0	%100
36	M58A	Z	1.555	1.555	0	%100
37	M59A	X	.673	.673	0	%100
38	M59A	Z	.389	.389	0	%100
39	M63	X	2.702	2.702	0	%100
40	M63	Z	1.56	1.56	0	%100
41	M64	X	3.657	3.657	0	%100
42	M64	Z	2.111	2.111	0	%100
43	M66	X	3.817	3.817	0	%100
44	M66	Z	2.204	2.204	0	%100
45	M68	X	2.702	2.702	0	%100
46	M68	Z	1.56	1.56	0	%100
47	M69	X	.914	.914	0	%100
48	M69	Z	.528	.528	0	%100
49	M71	X	.954	.954	0	%100
50	M71	Z	.551	.551	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M77A	X	2.339	2.339	0	%100
54	M77A	Z	1.351	1.351	0	%100
55	M78	X	2.339	2.339	0	%100
56	M78	Z	1.351	1.351	0	%100
57	M79A	X	3.663	3.663	0	%100
58	M79A	Z	2.115	2.115	0	%100
59	M82	X	.673	.673	0	%100
60	M82	Z	.389	.389	0	%100
61	M83A	X	.673	.673	0	%100
62	M83A	Z	.389	.389	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	.914	.914	0	%100
66	M88A	Z	.528	.528	0	%100
67	M90	X	.954	.954	0	%100
68	M90	Z	.551	.551	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	.914	.914	0	%100
72	M93	Z	.528	.528	0	%100
73	M95	X	.954	.954	0	%100
74	M95	Z	.551	.551	0	%100
75	M82A	X	.71	.71	0	%100
76	M82A	Z	.41	.41	0	%100
77	M91B	X	2.84	2.84	0	%100
78	M91B	Z	1.64	1.64	0	%100
79	MP1A	X	2.287	2.287	0	%100
80	MP1A	Z	1.321	1.321	0	%100
81	MP2A	X	2.287	2.287	0	%100
82	MP2A	Z	1.321	1.321	0	%100
83	MP3A	X	2.287	2.287	0	%100
84	MP3A	Z	1.321	1.321	0	%100
85	MP4A	X	2.287	2.287	0	%100
86	MP4A	Z	1.321	1.321	0	%100
87	MP1C	X	2.287	2.287	0	%100
88	MP1C	Z	1.321	1.321	0	%100
89	MP2C	X	2.287	2.287	0	%100
90	MP2C	Z	1.321	1.321	0	%100
91	MP3C	X	2.287	2.287	0	%100
92	MP3C	Z	1.321	1.321	0	%100
93	MP4C	X	2.287	2.287	0	%100
94	MP4C	Z	1.321	1.321	0	%100
95	MP1B	X	2.287	2.287	0	%100
96	MP1B	Z	1.321	1.321	0	%100
97	MP2B	X	2.287	2.287	0	%100
98	MP2B	Z	1.321	1.321	0	%100
99	MP3B	X	2.287	2.287	0	%100
100	MP3B	Z	1.321	1.321	0	%100
101	MP4B	X	2.287	2.287	0	%100
102	MP4B	Z	1.321	1.321	0	%100
103	M100	X	.633	.633	0	%100
104	M100	Z	.366	.366	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,%]
105	M101	X	.633	.633	0	%100
106	M101	Z	.366	.366	0	%100
107	M102	X	2.533	2.533	0	%100
108	M102	Z	1.462	1.462	0	%100
109	M121	X	.616	.616	0	%100
110	M121	Z	.356	.356	0	%100
111	M122	X	.616	.616	0	%100
112	M122	Z	.356	.356	0	%100
113	M123	X	2.465	2.465	0	%100
114	M123	Z	1.423	1.423	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	1.23	1.23	0	%100
2	M1	Z	2.13	2.13	0	%100
3	M4	X	.414	.414	0	%100
4	M4	Z	.717	.717	0	%100
5	M10	X	1.013	1.013	0	%100
6	M10	Z	1.755	1.755	0	%100
7	M43	X	1.013	1.013	0	%100
8	M43	Z	1.755	1.755	0	%100
9	M46	X	1.586	1.586	0	%100
10	M46	Z	2.747	2.747	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	1.166	1.166	0	%100
14	M52B	Z	2.02	2.02	0	%100
15	M76	X	.52	.52	0	%100
16	M76	Z	.901	.901	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	.52	.52	0	%100
22	M84	Z	.901	.901	0	%100
23	M85	X	1.584	1.584	0	%100
24	M85	Z	2.743	2.743	0	%100
25	M91	X	1.653	1.653	0	%100
26	M91	Z	2.863	2.863	0	%100
27	M52A	X	1.655	1.655	0	%100
28	M52A	Z	2.867	2.867	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	1.166	1.166	0	%100
36	M58A	Z	2.02	2.02	0	%100
37	M59A	X	1.166	1.166	0	%100
38	M59A	Z	2.02	2.02	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,%]
39	M63	X	2.08	2.08	0	%100
40	M63	Z	3.602	3.602	0	%100
41	M64	X	1.584	1.584	0	%100
42	M64	Z	2.743	2.743	0	%100
43	M66	X	1.653	1.653	0	%100
44	M66	Z	2.863	2.863	0	%100
45	M68	X	2.08	2.08	0	%100
46	M68	Z	3.602	3.602	0	%100
47	M69	X	1.584	1.584	0	%100
48	M69	Z	2.743	2.743	0	%100
49	M71	X	1.653	1.653	0	%100
50	M71	Z	2.863	2.863	0	%100
51	M76A	X	.414	.414	0	%100
52	M76A	Z	.717	.717	0	%100
53	M77A	X	1.013	1.013	0	%100
54	M77A	Z	1.755	1.755	0	%100
55	M78	X	1.013	1.013	0	%100
56	M78	Z	1.755	1.755	0	%100
57	M79A	X	1.586	1.586	0	%100
58	M79A	Z	2.747	2.747	0	%100
59	M82	X	1.166	1.166	0	%100
60	M82	Z	2.02	2.02	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	.52	.52	0	%100
64	M87	Z	.901	.901	0	%100
65	M88A	X	1.584	1.584	0	%100
66	M88A	Z	2.743	2.743	0	%100
67	M90	X	1.653	1.653	0	%100
68	M90	Z	2.863	2.863	0	%100
69	M92A	X	.52	.52	0	%100
70	M92A	Z	.901	.901	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	1.23	1.23	0	%100
78	M91B	Z	2.13	2.13	0	%100
79	MP1A	X	1.321	1.321	0	%100
80	MP1A	Z	2.287	2.287	0	%100
81	MP2A	X	1.321	1.321	0	%100
82	MP2A	Z	2.287	2.287	0	%100
83	MP3A	X	1.321	1.321	0	%100
84	MP3A	Z	2.287	2.287	0	%100
85	MP4A	X	1.321	1.321	0	%100
86	MP4A	Z	2.287	2.287	0	%100
87	MP1C	X	1.321	1.321	0	%100
88	MP1C	Z	2.287	2.287	0	%100
89	MP2C	X	1.321	1.321	0	%100
90	MP2C	Z	2.287	2.287	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,%]
91	MP3C	X	1.321	1.321	0	%100
92	MP3C	Z	2.287	2.287	0	%100
93	MP4C	X	1.321	1.321	0	%100
94	MP4C	Z	2.287	2.287	0	%100
95	MP1B	X	1.321	1.321	0	%100
96	MP1B	Z	2.287	2.287	0	%100
97	MP2B	X	1.321	1.321	0	%100
98	MP2B	Z	2.287	2.287	0	%100
99	MP3B	X	1.321	1.321	0	%100
100	MP3B	Z	2.287	2.287	0	%100
101	MP4B	X	1.321	1.321	0	%100
102	MP4B	Z	2.287	2.287	0	%100
103	M100	X	1.097	1.097	0	%100
104	M100	Z	1.9	1.9	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	1.097	1.097	0	%100
108	M102	Z	1.9	1.9	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	1.067	1.067	0	%100
112	M122	Z	1.849	1.849	0	%100
113	M123	X	1.067	1.067	0	%100
114	M123	Z	1.849	1.849	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	3.28	3.28	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	2.701	2.701	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	2.701	2.701	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	4.23	4.23	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	.778	.778	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	.778	.778	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	1.056	1.056	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	1.102	1.102	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	1.056	1.056	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,%]
25	M91	X	0	0	0	%100
26	M91	Z	1.102	1.102	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	2.483	2.483	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	.675	.675	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	.675	.675	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	1.057	1.057	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	.778	.778	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	3.11	3.11	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	3.12	3.12	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	1.056	1.056	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	1.102	1.102	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	3.12	3.12	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	4.223	4.223	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	4.407	4.407	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	2.483	2.483	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	.675	.675	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	.675	.675	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	1.057	1.057	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	3.11	3.11	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	.778	.778	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	3.12	3.12	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	4.223	4.223	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	4.407	4.407	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	3.12	3.12	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	1.056	1.056	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	1.102	1.102	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	.82	.82	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,%]
77	M91B	X	0	0	0	%100
78	M91B	Z	.82	.82	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	2.641	2.641	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	2.641	2.641	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	2.641	2.641	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	2.641	2.641	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	2.641	2.641	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	2.641	2.641	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	2.641	2.641	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	2.641	2.641	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	2.641	2.641	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	2.641	2.641	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	2.641	2.641	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	2.641	2.641	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	2.925	2.925	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	.731	.731	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	.731	.731	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	.711	.711	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	2.846	2.846	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	.711	.711	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	-1.23	-1.23	0	%100
2	M1	Z	2.13	2.13	0	%100
3	M4	X	-.414	-.414	0	%100
4	M4	Z	.717	.717	0	%100
5	M10	X	-1.013	-1.013	0	%100
6	M10	Z	1.755	1.755	0	%100
7	M43	X	-1.013	-1.013	0	%100
8	M43	Z	1.755	1.755	0	%100
9	M46	X	-1.586	-1.586	0	%100
10	M46	Z	2.747	2.747	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,%]
11	M51B	X	-1.166	-1.166	0	%100
12	M51B	Z	2.02	2.02	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-.52	-.52	0	%100
16	M76	Z	.901	.901	0	%100
17	M77	X	-1.584	-1.584	0	%100
18	M77	Z	2.743	2.743	0	%100
19	M80	X	-1.653	-1.653	0	%100
20	M80	Z	2.863	2.863	0	%100
21	M84	X	-.52	-.52	0	%100
22	M84	Z	.901	.901	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	-.414	-.414	0	%100
28	M52A	Z	.717	.717	0	%100
29	M53	X	-1.013	-1.013	0	%100
30	M53	Z	1.755	1.755	0	%100
31	M54	X	-1.013	-1.013	0	%100
32	M54	Z	1.755	1.755	0	%100
33	M55	X	-1.586	-1.586	0	%100
34	M55	Z	2.747	2.747	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	-1.166	-1.166	0	%100
38	M59A	Z	2.02	2.02	0	%100
39	M63	X	-.52	-.52	0	%100
40	M63	Z	.901	.901	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	-.52	-.52	0	%100
46	M68	Z	.901	.901	0	%100
47	M69	X	-1.584	-1.584	0	%100
48	M69	Z	2.743	2.743	0	%100
49	M71	X	-1.653	-1.653	0	%100
50	M71	Z	2.863	2.863	0	%100
51	M76A	X	-1.655	-1.655	0	%100
52	M76A	Z	2.867	2.867	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	-1.166	-1.166	0	%100
60	M82	Z	2.02	2.02	0	%100
61	M83A	X	-1.166	-1.166	0	%100
62	M83A	Z	2.02	2.02	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,%]
63	M87	X	-2.08	-2.08	0	%100
64	M87	Z	3.602	3.602	0	%100
65	M88A	X	-1.584	-1.584	0	%100
66	M88A	Z	2.743	2.743	0	%100
67	M90	X	-1.653	-1.653	0	%100
68	M90	Z	2.863	2.863	0	%100
69	M92A	X	-2.08	-2.08	0	%100
70	M92A	Z	3.602	3.602	0	%100
71	M93	X	-1.584	-1.584	0	%100
72	M93	Z	2.743	2.743	0	%100
73	M95	X	-1.653	-1.653	0	%100
74	M95	Z	2.863	2.863	0	%100
75	M82A	X	-1.23	-1.23	0	%100
76	M82A	Z	2.13	2.13	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	-1.321	-1.321	0	%100
80	MP1A	Z	2.287	2.287	0	%100
81	MP2A	X	-1.321	-1.321	0	%100
82	MP2A	Z	2.287	2.287	0	%100
83	MP3A	X	-1.321	-1.321	0	%100
84	MP3A	Z	2.287	2.287	0	%100
85	MP4A	X	-1.321	-1.321	0	%100
86	MP4A	Z	2.287	2.287	0	%100
87	MP1C	X	-1.321	-1.321	0	%100
88	MP1C	Z	2.287	2.287	0	%100
89	MP2C	X	-1.321	-1.321	0	%100
90	MP2C	Z	2.287	2.287	0	%100
91	MP3C	X	-1.321	-1.321	0	%100
92	MP3C	Z	2.287	2.287	0	%100
93	MP4C	X	-1.321	-1.321	0	%100
94	MP4C	Z	2.287	2.287	0	%100
95	MP1B	X	-1.321	-1.321	0	%100
96	MP1B	Z	2.287	2.287	0	%100
97	MP2B	X	-1.321	-1.321	0	%100
98	MP2B	Z	2.287	2.287	0	%100
99	MP3B	X	-1.321	-1.321	0	%100
100	MP3B	Z	2.287	2.287	0	%100
101	MP4B	X	-1.321	-1.321	0	%100
102	MP4B	Z	2.287	2.287	0	%100
103	M100	X	-1.097	-1.097	0	%100
104	M100	Z	1.9	1.9	0	%100
105	M101	X	-1.097	-1.097	0	%100
106	M101	Z	1.9	1.9	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	0	0	0	%100
109	M121	X	-1.067	-1.067	0	%100
110	M121	Z	1.849	1.849	0	%100
111	M122	X	-1.067	-1.067	0	%100
112	M122	Z	1.849	1.849	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	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	-.71	-.71	0	%100
2	M1	Z	.41	.41	0	%100
3	M4	X	-2.15	-2.15	0	%100
4	M4	Z	1.242	1.242	0	%100
5	M10	X	-.585	-.585	0	%100
6	M10	Z	.338	.338	0	%100
7	M43	X	-.585	-.585	0	%100
8	M43	Z	.338	.338	0	%100
9	M46	X	-.916	-.916	0	%100
10	M46	Z	.529	.529	0	%100
11	M51B	X	-2.694	-2.694	0	%100
12	M51B	Z	1.555	1.555	0	%100
13	M52B	X	-.673	-.673	0	%100
14	M52B	Z	.389	.389	0	%100
15	M76	X	-2.702	-2.702	0	%100
16	M76	Z	1.56	1.56	0	%100
17	M77	X	-3.657	-3.657	0	%100
18	M77	Z	2.111	2.111	0	%100
19	M80	X	-3.817	-3.817	0	%100
20	M80	Z	2.204	2.204	0	%100
21	M84	X	-2.702	-2.702	0	%100
22	M84	Z	1.56	1.56	0	%100
23	M85	X	-.914	-.914	0	%100
24	M85	Z	.528	.528	0	%100
25	M91	X	-.954	-.954	0	%100
26	M91	Z	.551	.551	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	-2.339	-2.339	0	%100
30	M53	Z	1.351	1.351	0	%100
31	M54	X	-2.339	-2.339	0	%100
32	M54	Z	1.351	1.351	0	%100
33	M55	X	-3.663	-3.663	0	%100
34	M55	Z	2.115	2.115	0	%100
35	M58A	X	-.673	-.673	0	%100
36	M58A	Z	.389	.389	0	%100
37	M59A	X	-.673	-.673	0	%100
38	M59A	Z	.389	.389	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	-.914	-.914	0	%100
42	M64	Z	.528	.528	0	%100
43	M66	X	-.954	-.954	0	%100
44	M66	Z	.551	.551	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	-.914	-.914	0	%100
48	M69	Z	.528	.528	0	%100
49	M71	X	-.954	-.954	0	%100
50	M71	Z	.551	.551	0	%100
51	M76A	X	-2.15	-2.15	0	%100
52	M76A	Z	1.242	1.242	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,%]
53	M77A	X	-.585	-.585	0	%100
54	M77A	Z	.338	.338	0	%100
55	M78	X	-.585	-.585	0	%100
56	M78	Z	.338	.338	0	%100
57	M79A	X	-.916	-.916	0	%100
58	M79A	Z	.529	.529	0	%100
59	M82	X	-.673	-.673	0	%100
60	M82	Z	.389	.389	0	%100
61	M83A	X	-2.694	-2.694	0	%100
62	M83A	Z	1.555	1.555	0	%100
63	M87	X	-2.702	-2.702	0	%100
64	M87	Z	1.56	1.56	0	%100
65	M88A	X	-.914	-.914	0	%100
66	M88A	Z	.528	.528	0	%100
67	M90	X	-.954	-.954	0	%100
68	M90	Z	.551	.551	0	%100
69	M92A	X	-2.702	-2.702	0	%100
70	M92A	Z	1.56	1.56	0	%100
71	M93	X	-3.657	-3.657	0	%100
72	M93	Z	2.111	2.111	0	%100
73	M95	X	-3.817	-3.817	0	%100
74	M95	Z	2.204	2.204	0	%100
75	M82A	X	-2.84	-2.84	0	%100
76	M82A	Z	1.64	1.64	0	%100
77	M91B	X	-.71	-.71	0	%100
78	M91B	Z	.41	.41	0	%100
79	MP1A	X	-2.287	-2.287	0	%100
80	MP1A	Z	1.321	1.321	0	%100
81	MP2A	X	-2.287	-2.287	0	%100
82	MP2A	Z	1.321	1.321	0	%100
83	MP3A	X	-2.287	-2.287	0	%100
84	MP3A	Z	1.321	1.321	0	%100
85	MP4A	X	-2.287	-2.287	0	%100
86	MP4A	Z	1.321	1.321	0	%100
87	MP1C	X	-2.287	-2.287	0	%100
88	MP1C	Z	1.321	1.321	0	%100
89	MP2C	X	-2.287	-2.287	0	%100
90	MP2C	Z	1.321	1.321	0	%100
91	MP3C	X	-2.287	-2.287	0	%100
92	MP3C	Z	1.321	1.321	0	%100
93	MP4C	X	-2.287	-2.287	0	%100
94	MP4C	Z	1.321	1.321	0	%100
95	MP1B	X	-2.287	-2.287	0	%100
96	MP1B	Z	1.321	1.321	0	%100
97	MP2B	X	-2.287	-2.287	0	%100
98	MP2B	Z	1.321	1.321	0	%100
99	MP3B	X	-2.287	-2.287	0	%100
100	MP3B	Z	1.321	1.321	0	%100
101	MP4B	X	-2.287	-2.287	0	%100
102	MP4B	Z	1.321	1.321	0	%100
103	M100	X	-.633	-.633	0	%100
104	M100	Z	.366	.366	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,%]
105	M101	X	-2.533	-2.533	0	%100
106	M101	Z	1.462	1.462	0	%100
107	M102	X	-.633	-.633	0	%100
108	M102	Z	.366	.366	0	%100
109	M121	X	-2.465	-2.465	0	%100
110	M121	Z	1.423	1.423	0	%100
111	M122	X	-.616	-.616	0	%100
112	M122	Z	.356	.356	0	%100
113	M123	X	-.616	-.616	0	%100
114	M123	Z	.356	.356	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	-3.311	-3.311	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	-2.333	-2.333	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-2.333	-2.333	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-4.16	-4.16	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	-3.167	-3.167	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	-3.306	-3.306	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-4.16	-4.16	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	-3.167	-3.167	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	-3.306	-3.306	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	-.828	-.828	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	-2.026	-2.026	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	-2.026	-2.026	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	-3.172	-3.172	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	-2.333	-2.333	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	0	0	0	%100
38	M59A	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,%]
39	M63	X	-1.04	-1.04	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	-3.167	-3.167	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	-3.306	-3.306	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	-1.04	-1.04	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	0	0	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	0	0	0	%100
51	M76A	X	-.828	-.828	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	-2.026	-2.026	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	-2.026	-2.026	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	-3.172	-3.172	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	0	0	0	%100
61	M83A	X	-2.333	-2.333	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	-1.04	-1.04	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	0	0	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	0	0	0	%100
69	M92A	X	-1.04	-1.04	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	-3.167	-3.167	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	-3.306	-3.306	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	-2.46	-2.46	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	-2.46	-2.46	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	-2.641	-2.641	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-2.641	-2.641	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-2.641	-2.641	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-2.641	-2.641	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	-2.641	-2.641	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	-2.641	-2.641	0	%100
90	MP2C	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,%]
91	MP3C	X	-2.641	-2.641	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	-2.641	-2.641	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	-2.641	-2.641	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	-2.641	-2.641	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-2.641	-2.641	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-2.641	-2.641	0	%100
102	MP4B	Z	0	0	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	0	0	0	%100
105	M101	X	-2.194	-2.194	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	-2.194	-2.194	0	%100
108	M102	Z	0	0	0	%100
109	M121	X	-2.134	-2.134	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	-2.134	-2.134	0	%100
114	M123	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	-.71	-.71	0	%100
2	M1	Z	-.41	-.41	0	%100
3	M4	X	-2.15	-2.15	0	%100
4	M4	Z	-1.242	-1.242	0	%100
5	M10	X	-.585	-.585	0	%100
6	M10	Z	-.338	-.338	0	%100
7	M43	X	-.585	-.585	0	%100
8	M43	Z	-.338	-.338	0	%100
9	M46	X	-.916	-.916	0	%100
10	M46	Z	-.529	-.529	0	%100
11	M51B	X	-.673	-.673	0	%100
12	M51B	Z	-.389	-.389	0	%100
13	M52B	X	-2.694	-2.694	0	%100
14	M52B	Z	-1.555	-1.555	0	%100
15	M76	X	-2.702	-2.702	0	%100
16	M76	Z	-1.56	-1.56	0	%100
17	M77	X	-.914	-.914	0	%100
18	M77	Z	-.528	-.528	0	%100
19	M80	X	-.954	-.954	0	%100
20	M80	Z	-.551	-.551	0	%100
21	M84	X	-2.702	-2.702	0	%100
22	M84	Z	-1.56	-1.56	0	%100
23	M85	X	-3.657	-3.657	0	%100
24	M85	Z	-2.111	-2.111	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,%]
25	M91	X	-3.817	-3.817	0	%100
26	M91	Z	-2.204	-2.204	0	%100
27	M52A	X	-2.15	-2.15	0	%100
28	M52A	Z	-1.242	-1.242	0	%100
29	M53	X	-.585	-.585	0	%100
30	M53	Z	-.338	-.338	0	%100
31	M54	X	-.585	-.585	0	%100
32	M54	Z	-.338	-.338	0	%100
33	M55	X	-.916	-.916	0	%100
34	M55	Z	-.529	-.529	0	%100
35	M58A	X	-2.694	-2.694	0	%100
36	M58A	Z	-1.555	-1.555	0	%100
37	M59A	X	-.673	-.673	0	%100
38	M59A	Z	-.389	-.389	0	%100
39	M63	X	-2.702	-2.702	0	%100
40	M63	Z	-1.56	-1.56	0	%100
41	M64	X	-3.657	-3.657	0	%100
42	M64	Z	-2.111	-2.111	0	%100
43	M66	X	-3.817	-3.817	0	%100
44	M66	Z	-2.204	-2.204	0	%100
45	M68	X	-2.702	-2.702	0	%100
46	M68	Z	-1.56	-1.56	0	%100
47	M69	X	-.914	-.914	0	%100
48	M69	Z	-.528	-.528	0	%100
49	M71	X	-.954	-.954	0	%100
50	M71	Z	-.551	-.551	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	-2.339	-2.339	0	%100
54	M77A	Z	-1.351	-1.351	0	%100
55	M78	X	-2.339	-2.339	0	%100
56	M78	Z	-1.351	-1.351	0	%100
57	M79A	X	-3.663	-3.663	0	%100
58	M79A	Z	-2.115	-2.115	0	%100
59	M82	X	-.673	-.673	0	%100
60	M82	Z	-.389	-.389	0	%100
61	M83A	X	-.673	-.673	0	%100
62	M83A	Z	-.389	-.389	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	-.914	-.914	0	%100
66	M88A	Z	-.528	-.528	0	%100
67	M90	X	-.954	-.954	0	%100
68	M90	Z	-.551	-.551	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	-.914	-.914	0	%100
72	M93	Z	-.528	-.528	0	%100
73	M95	X	-.954	-.954	0	%100
74	M95	Z	-.551	-.551	0	%100
75	M82A	X	-.71	-.71	0	%100
76	M82A	Z	-.41	-.41	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,%]
77	M91B	X	-2.84	-2.84	0	%100
78	M91B	Z	-1.64	-1.64	0	%100
79	MP1A	X	-2.287	-2.287	0	%100
80	MP1A	Z	-1.321	-1.321	0	%100
81	MP2A	X	-2.287	-2.287	0	%100
82	MP2A	Z	-1.321	-1.321	0	%100
83	MP3A	X	-2.287	-2.287	0	%100
84	MP3A	Z	-1.321	-1.321	0	%100
85	MP4A	X	-2.287	-2.287	0	%100
86	MP4A	Z	-1.321	-1.321	0	%100
87	MP1C	X	-2.287	-2.287	0	%100
88	MP1C	Z	-1.321	-1.321	0	%100
89	MP2C	X	-2.287	-2.287	0	%100
90	MP2C	Z	-1.321	-1.321	0	%100
91	MP3C	X	-2.287	-2.287	0	%100
92	MP3C	Z	-1.321	-1.321	0	%100
93	MP4C	X	-2.287	-2.287	0	%100
94	MP4C	Z	-1.321	-1.321	0	%100
95	MP1B	X	-2.287	-2.287	0	%100
96	MP1B	Z	-1.321	-1.321	0	%100
97	MP2B	X	-2.287	-2.287	0	%100
98	MP2B	Z	-1.321	-1.321	0	%100
99	MP3B	X	-2.287	-2.287	0	%100
100	MP3B	Z	-1.321	-1.321	0	%100
101	MP4B	X	-2.287	-2.287	0	%100
102	MP4B	Z	-1.321	-1.321	0	%100
103	M100	X	-.633	-.633	0	%100
104	M100	Z	-.366	-.366	0	%100
105	M101	X	-.633	-.633	0	%100
106	M101	Z	-.366	-.366	0	%100
107	M102	X	-2.533	-2.533	0	%100
108	M102	Z	-1.462	-1.462	0	%100
109	M121	X	-.616	-.616	0	%100
110	M121	Z	-.356	-.356	0	%100
111	M122	X	-.616	-.616	0	%100
112	M122	Z	-.356	-.356	0	%100
113	M123	X	-2.465	-2.465	0	%100
114	M123	Z	-1.423	-1.423	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	-1.23	-1.23	0	%100
2	M1	Z	-2.13	-2.13	0	%100
3	M4	X	-.414	-.414	0	%100
4	M4	Z	-.717	-.717	0	%100
5	M10	X	-1.013	-1.013	0	%100
6	M10	Z	-1.755	-1.755	0	%100
7	M43	X	-1.013	-1.013	0	%100
8	M43	Z	-1.755	-1.755	0	%100
9	M46	X	-1.586	-1.586	0	%100
10	M46	Z	-2.747	-2.747	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,%]
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-1.166	-1.166	0	%100
14	M52B	Z	-2.02	-2.02	0	%100
15	M76	X	-.52	-.52	0	%100
16	M76	Z	-.901	-.901	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-.52	-.52	0	%100
22	M84	Z	-.901	-.901	0	%100
23	M85	X	-1.584	-1.584	0	%100
24	M85	Z	-2.743	-2.743	0	%100
25	M91	X	-1.653	-1.653	0	%100
26	M91	Z	-2.863	-2.863	0	%100
27	M52A	X	-1.655	-1.655	0	%100
28	M52A	Z	-2.867	-2.867	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	-1.166	-1.166	0	%100
36	M58A	Z	-2.02	-2.02	0	%100
37	M59A	X	-1.166	-1.166	0	%100
38	M59A	Z	-2.02	-2.02	0	%100
39	M63	X	-2.08	-2.08	0	%100
40	M63	Z	-3.602	-3.602	0	%100
41	M64	X	-1.584	-1.584	0	%100
42	M64	Z	-2.743	-2.743	0	%100
43	M66	X	-1.653	-1.653	0	%100
44	M66	Z	-2.863	-2.863	0	%100
45	M68	X	-2.08	-2.08	0	%100
46	M68	Z	-3.602	-3.602	0	%100
47	M69	X	-1.584	-1.584	0	%100
48	M69	Z	-2.743	-2.743	0	%100
49	M71	X	-1.653	-1.653	0	%100
50	M71	Z	-2.863	-2.863	0	%100
51	M76A	X	-.414	-.414	0	%100
52	M76A	Z	-.717	-.717	0	%100
53	M77A	X	-1.013	-1.013	0	%100
54	M77A	Z	-1.755	-1.755	0	%100
55	M78	X	-1.013	-1.013	0	%100
56	M78	Z	-1.755	-1.755	0	%100
57	M79A	X	-1.586	-1.586	0	%100
58	M79A	Z	-2.747	-2.747	0	%100
59	M82	X	-1.166	-1.166	0	%100
60	M82	Z	-2.02	-2.02	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
63	M87	X	-.52	-.52	0	%100
64	M87	Z	-.901	-.901	0	%100
65	M88A	X	-1.584	-1.584	0	%100
66	M88A	Z	-2.743	-2.743	0	%100
67	M90	X	-1.653	-1.653	0	%100
68	M90	Z	-2.863	-2.863	0	%100
69	M92A	X	-.52	-.52	0	%100
70	M92A	Z	-.901	-.901	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	-1.23	-1.23	0	%100
78	M91B	Z	-2.13	-2.13	0	%100
79	MP1A	X	-1.321	-1.321	0	%100
80	MP1A	Z	-2.287	-2.287	0	%100
81	MP2A	X	-1.321	-1.321	0	%100
82	MP2A	Z	-2.287	-2.287	0	%100
83	MP3A	X	-1.321	-1.321	0	%100
84	MP3A	Z	-2.287	-2.287	0	%100
85	MP4A	X	-1.321	-1.321	0	%100
86	MP4A	Z	-2.287	-2.287	0	%100
87	MP1C	X	-1.321	-1.321	0	%100
88	MP1C	Z	-2.287	-2.287	0	%100
89	MP2C	X	-1.321	-1.321	0	%100
90	MP2C	Z	-2.287	-2.287	0	%100
91	MP3C	X	-1.321	-1.321	0	%100
92	MP3C	Z	-2.287	-2.287	0	%100
93	MP4C	X	-1.321	-1.321	0	%100
94	MP4C	Z	-2.287	-2.287	0	%100
95	MP1B	X	-1.321	-1.321	0	%100
96	MP1B	Z	-2.287	-2.287	0	%100
97	MP2B	X	-1.321	-1.321	0	%100
98	MP2B	Z	-2.287	-2.287	0	%100
99	MP3B	X	-1.321	-1.321	0	%100
100	MP3B	Z	-2.287	-2.287	0	%100
101	MP4B	X	-1.321	-1.321	0	%100
102	MP4B	Z	-2.287	-2.287	0	%100
103	M100	X	-1.097	-1.097	0	%100
104	M100	Z	-1.9	-1.9	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	-1.097	-1.097	0	%100
108	M102	Z	-1.9	-1.9	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	-1.067	-1.067	0	%100
112	M122	Z	-1.849	-1.849	0	%100
113	M123	X	-1.067	-1.067	0	%100
114	M123	Z	-1.849	-1.849	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	-.715	-.715	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	-.615	-.615	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	-.615	-.615	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	-1.226	-1.226	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	-.17	-.17	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	-.17	-.17	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	-.312	-.312	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	-.329	-.329	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	-.312	-.312	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	-.329	-.329	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	-.545	-.545	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	-.154	-.154	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	-.154	-.154	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	-.306	-.306	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	-.17	-.17	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	-.681	-.681	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	-.919	-.919	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	-.312	-.312	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	-.329	-.329	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	-.919	-.919	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	-1.249	-1.249	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	-1.315	-1.315	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	-.545	-.545	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,%]
53	M77A	X	0	0	0	%100
54	M77A	Z	-.154	-.154	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	-.154	-.154	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	-.306	-.306	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	-.681	-.681	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	-.17	-.17	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	-.919	-.919	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	-1.249	-1.249	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	-1.315	-1.315	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	-.919	-.919	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	-.312	-.312	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	-.329	-.329	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	-.179	-.179	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	-.179	-.179	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-.485	-.485	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-.485	-.485	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-.485	-.485	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-.485	-.485	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-.485	-.485	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-.485	-.485	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-.485	-.485	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	-.485	-.485	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-.485	-.485	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-.485	-.485	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-.485	-.485	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-.485	-.485	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	-.587	-.587	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,%]
105	M101	X	0	0	0	%100
106	M101	Z	-.147	-.147	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	-.147	-.147	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	-.175	-.175	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	-.702	-.702	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	-.175	-.175	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	.268	.268	0	%100
2	M1	Z	-.464	-.464	0	%100
3	M4	X	.091	.091	0	%100
4	M4	Z	-.157	-.157	0	%100
5	M10	X	.23	.23	0	%100
6	M10	Z	-.399	-.399	0	%100
7	M43	X	.23	.23	0	%100
8	M43	Z	-.399	-.399	0	%100
9	M46	X	.46	.46	0	%100
10	M46	Z	-.796	-.796	0	%100
11	M51B	X	.255	.255	0	%100
12	M51B	Z	-.442	-.442	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	.153	.153	0	%100
16	M76	Z	-.265	-.265	0	%100
17	M77	X	.468	.468	0	%100
18	M77	Z	-.811	-.811	0	%100
19	M80	X	.493	.493	0	%100
20	M80	Z	-.854	-.854	0	%100
21	M84	X	.153	.153	0	%100
22	M84	Z	-.265	-.265	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	.091	.091	0	%100
28	M52A	Z	-.157	-.157	0	%100
29	M53	X	.23	.23	0	%100
30	M53	Z	-.399	-.399	0	%100
31	M54	X	.23	.23	0	%100
32	M54	Z	-.399	-.399	0	%100
33	M55	X	.46	.46	0	%100
34	M55	Z	-.796	-.796	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	.255	.255	0	%100
38	M59A	Z	-.442	-.442	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,%]
39	M63	X	.153	.153	0	%100
40	M63	Z	-.265	-.265	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	.153	.153	0	%100
46	M68	Z	-.265	-.265	0	%100
47	M69	X	.468	.468	0	%100
48	M69	Z	-.811	-.811	0	%100
49	M71	X	.493	.493	0	%100
50	M71	Z	-.854	-.854	0	%100
51	M76A	X	.363	.363	0	%100
52	M76A	Z	-.629	-.629	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	.255	.255	0	%100
60	M82	Z	-.442	-.442	0	%100
61	M83A	X	.255	.255	0	%100
62	M83A	Z	-.442	-.442	0	%100
63	M87	X	.613	.613	0	%100
64	M87	Z	-1.062	-1.062	0	%100
65	M88A	X	.468	.468	0	%100
66	M88A	Z	-.811	-.811	0	%100
67	M90	X	.493	.493	0	%100
68	M90	Z	-.854	-.854	0	%100
69	M92A	X	.613	.613	0	%100
70	M92A	Z	-1.062	-1.062	0	%100
71	M93	X	.468	.468	0	%100
72	M93	Z	-.811	-.811	0	%100
73	M95	X	.493	.493	0	%100
74	M95	Z	-.854	-.854	0	%100
75	M82A	X	.268	.268	0	%100
76	M82A	Z	-.464	-.464	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	.243	.243	0	%100
80	MP1A	Z	-.42	-.42	0	%100
81	MP2A	X	.243	.243	0	%100
82	MP2A	Z	-.42	-.42	0	%100
83	MP3A	X	.243	.243	0	%100
84	MP3A	Z	-.42	-.42	0	%100
85	MP4A	X	.243	.243	0	%100
86	MP4A	Z	-.42	-.42	0	%100
87	MP1C	X	.243	.243	0	%100
88	MP1C	Z	-.42	-.42	0	%100
89	MP2C	X	.243	.243	0	%100
90	MP2C	Z	-.42	-.42	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,%]
91	MP3C	X	.243	.243	0	%100
92	MP3C	Z	-.42	-.42	0	%100
93	MP4C	X	.243	.243	0	%100
94	MP4C	Z	-.42	-.42	0	%100
95	MP1B	X	.243	.243	0	%100
96	MP1B	Z	-.42	-.42	0	%100
97	MP2B	X	.243	.243	0	%100
98	MP2B	Z	-.42	-.42	0	%100
99	MP3B	X	.243	.243	0	%100
100	MP3B	Z	-.42	-.42	0	%100
101	MP4B	X	.243	.243	0	%100
102	MP4B	Z	-.42	-.42	0	%100
103	M100	X	.22	.22	0	%100
104	M100	Z	-.382	-.382	0	%100
105	M101	X	.22	.22	0	%100
106	M101	Z	-.382	-.382	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	0	0	0	%100
109	M121	X	.263	.263	0	%100
110	M121	Z	-.456	-.456	0	%100
111	M122	X	.263	.263	0	%100
112	M122	Z	-.456	-.456	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	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	.155	.155	0	%100
2	M1	Z	-.089	-.089	0	%100
3	M4	X	.472	.472	0	%100
4	M4	Z	-.272	-.272	0	%100
5	M10	X	.133	.133	0	%100
6	M10	Z	-.077	-.077	0	%100
7	M43	X	.133	.133	0	%100
8	M43	Z	-.077	-.077	0	%100
9	M46	X	.265	.265	0	%100
10	M46	Z	-.153	-.153	0	%100
11	M51B	X	.59	.59	0	%100
12	M51B	Z	-.34	-.34	0	%100
13	M52B	X	.147	.147	0	%100
14	M52B	Z	-.085	-.085	0	%100
15	M76	X	.796	.796	0	%100
16	M76	Z	-.46	-.46	0	%100
17	M77	X	1.081	1.081	0	%100
18	M77	Z	-.624	-.624	0	%100
19	M80	X	1.139	1.139	0	%100
20	M80	Z	-.658	-.658	0	%100
21	M84	X	.796	.796	0	%100
22	M84	Z	-.46	-.46	0	%100
23	M85	X	.27	.27	0	%100
24	M85	Z	-.156	-.156	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,%]
25	M91	X	.285	.285	0	%100
26	M91	Z	-.164	-.164	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	.532	.532	0	%100
30	M53	Z	-.307	-.307	0	%100
31	M54	X	.532	.532	0	%100
32	M54	Z	-.307	-.307	0	%100
33	M55	X	1.062	1.062	0	%100
34	M55	Z	-.613	-.613	0	%100
35	M58A	X	.147	.147	0	%100
36	M58A	Z	-.085	-.085	0	%100
37	M59A	X	.147	.147	0	%100
38	M59A	Z	-.085	-.085	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	.27	.27	0	%100
42	M64	Z	-.156	-.156	0	%100
43	M66	X	.285	.285	0	%100
44	M66	Z	-.164	-.164	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	.27	.27	0	%100
48	M69	Z	-.156	-.156	0	%100
49	M71	X	.285	.285	0	%100
50	M71	Z	-.164	-.164	0	%100
51	M76A	X	.472	.472	0	%100
52	M76A	Z	-.272	-.272	0	%100
53	M77A	X	.133	.133	0	%100
54	M77A	Z	-.077	-.077	0	%100
55	M78	X	.133	.133	0	%100
56	M78	Z	-.077	-.077	0	%100
57	M79A	X	.265	.265	0	%100
58	M79A	Z	-.153	-.153	0	%100
59	M82	X	.147	.147	0	%100
60	M82	Z	-.085	-.085	0	%100
61	M83A	X	.59	.59	0	%100
62	M83A	Z	-.34	-.34	0	%100
63	M87	X	.796	.796	0	%100
64	M87	Z	-.46	-.46	0	%100
65	M88A	X	.27	.27	0	%100
66	M88A	Z	-.156	-.156	0	%100
67	M90	X	.285	.285	0	%100
68	M90	Z	-.164	-.164	0	%100
69	M92A	X	.796	.796	0	%100
70	M92A	Z	-.46	-.46	0	%100
71	M93	X	1.081	1.081	0	%100
72	M93	Z	-.624	-.624	0	%100
73	M95	X	1.139	1.139	0	%100
74	M95	Z	-.658	-.658	0	%100
75	M82A	X	.619	.619	0	%100
76	M82A	Z	-.358	-.358	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,%]
77	M91B	X	.155	.155	0	%100
78	M91B	Z	-.089	-.089	0	%100
79	MP1A	X	.42	.42	0	%100
80	MP1A	Z	-.243	-.243	0	%100
81	MP2A	X	.42	.42	0	%100
82	MP2A	Z	-.243	-.243	0	%100
83	MP3A	X	.42	.42	0	%100
84	MP3A	Z	-.243	-.243	0	%100
85	MP4A	X	.42	.42	0	%100
86	MP4A	Z	-.243	-.243	0	%100
87	MP1C	X	.42	.42	0	%100
88	MP1C	Z	-.243	-.243	0	%100
89	MP2C	X	.42	.42	0	%100
90	MP2C	Z	-.243	-.243	0	%100
91	MP3C	X	.42	.42	0	%100
92	MP3C	Z	-.243	-.243	0	%100
93	MP4C	X	.42	.42	0	%100
94	MP4C	Z	-.243	-.243	0	%100
95	MP1B	X	.42	.42	0	%100
96	MP1B	Z	-.243	-.243	0	%100
97	MP2B	X	.42	.42	0	%100
98	MP2B	Z	-.243	-.243	0	%100
99	MP3B	X	.42	.42	0	%100
100	MP3B	Z	-.243	-.243	0	%100
101	MP4B	X	.42	.42	0	%100
102	MP4B	Z	-.243	-.243	0	%100
103	M100	X	.127	.127	0	%100
104	M100	Z	-.073	-.073	0	%100
105	M101	X	.509	.509	0	%100
106	M101	Z	-.294	-.294	0	%100
107	M102	X	.127	.127	0	%100
108	M102	Z	-.073	-.073	0	%100
109	M121	X	.608	.608	0	%100
110	M121	Z	-.351	-.351	0	%100
111	M122	X	.152	.152	0	%100
112	M122	Z	-.088	-.088	0	%100
113	M123	X	.152	.152	0	%100
114	M123	Z	-.088	-.088	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	.726	.726	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	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,%]
11	M51B	X	.511	.511	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	.511	.511	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	1.226	1.226	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	.936	.936	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	.986	.986	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	1.226	1.226	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	.936	.936	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	.986	.986	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	.182	.182	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	.461	.461	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	.461	.461	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	.919	.919	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	.511	.511	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	0	0	0	%100
39	M63	X	.306	.306	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	.936	.936	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	.986	.986	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	.306	.306	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	0	0	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	0	0	0	%100
51	M76A	X	.182	.182	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	.461	.461	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	.461	.461	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	.919	.919	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	0	0	0	%100
61	M83A	X	.511	.511	0	%100
62	M83A	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,%]
63	M87	X	.306	.306	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	0	0	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	0	0	0	%100
69	M92A	X	.306	.306	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	.936	.936	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	.986	.986	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	.536	.536	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	.536	.536	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	.485	.485	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	.485	.485	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	.485	.485	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	.485	.485	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	.485	.485	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	.485	.485	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	.485	.485	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	.485	.485	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	.485	.485	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	.485	.485	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	.485	.485	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	.485	.485	0	%100
102	MP4B	Z	0	0	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	0	0	0	%100
105	M101	X	.441	.441	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	.441	.441	0	%100
108	M102	Z	0	0	0	%100
109	M121	X	.526	.526	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	.526	.526	0	%100
114	M123	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	.155	.155	0	%100
2	M1	Z	.089	.089	0	%100
3	M4	X	.472	.472	0	%100
4	M4	Z	.272	.272	0	%100
5	M10	X	.133	.133	0	%100
6	M10	Z	.077	.077	0	%100
7	M43	X	.133	.133	0	%100
8	M43	Z	.077	.077	0	%100
9	M46	X	.265	.265	0	%100
10	M46	Z	.153	.153	0	%100
11	M51B	X	.147	.147	0	%100
12	M51B	Z	.085	.085	0	%100
13	M52B	X	.59	.59	0	%100
14	M52B	Z	.34	.34	0	%100
15	M76	X	.796	.796	0	%100
16	M76	Z	.46	.46	0	%100
17	M77	X	.27	.27	0	%100
18	M77	Z	.156	.156	0	%100
19	M80	X	.285	.285	0	%100
20	M80	Z	.164	.164	0	%100
21	M84	X	.796	.796	0	%100
22	M84	Z	.46	.46	0	%100
23	M85	X	1.081	1.081	0	%100
24	M85	Z	.624	.624	0	%100
25	M91	X	1.139	1.139	0	%100
26	M91	Z	.658	.658	0	%100
27	M52A	X	.472	.472	0	%100
28	M52A	Z	.272	.272	0	%100
29	M53	X	.133	.133	0	%100
30	M53	Z	.077	.077	0	%100
31	M54	X	.133	.133	0	%100
32	M54	Z	.077	.077	0	%100
33	M55	X	.265	.265	0	%100
34	M55	Z	.153	.153	0	%100
35	M58A	X	.59	.59	0	%100
36	M58A	Z	.34	.34	0	%100
37	M59A	X	.147	.147	0	%100
38	M59A	Z	.085	.085	0	%100
39	M63	X	.796	.796	0	%100
40	M63	Z	.46	.46	0	%100
41	M64	X	1.081	1.081	0	%100
42	M64	Z	.624	.624	0	%100
43	M66	X	1.139	1.139	0	%100
44	M66	Z	.658	.658	0	%100
45	M68	X	.796	.796	0	%100
46	M68	Z	.46	.46	0	%100
47	M69	X	.27	.27	0	%100
48	M69	Z	.156	.156	0	%100
49	M71	X	.285	.285	0	%100
50	M71	Z	.164	.164	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	0	0	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,%]
53	M77A	X	.532	.532	0	%100
54	M77A	Z	.307	.307	0	%100
55	M78	X	.532	.532	0	%100
56	M78	Z	.307	.307	0	%100
57	M79A	X	1.062	1.062	0	%100
58	M79A	Z	.613	.613	0	%100
59	M82	X	.147	.147	0	%100
60	M82	Z	.085	.085	0	%100
61	M83A	X	.147	.147	0	%100
62	M83A	Z	.085	.085	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	.27	.27	0	%100
66	M88A	Z	.156	.156	0	%100
67	M90	X	.285	.285	0	%100
68	M90	Z	.164	.164	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	.27	.27	0	%100
72	M93	Z	.156	.156	0	%100
73	M95	X	.285	.285	0	%100
74	M95	Z	.164	.164	0	%100
75	M82A	X	.155	.155	0	%100
76	M82A	Z	.089	.089	0	%100
77	M91B	X	.619	.619	0	%100
78	M91B	Z	.358	.358	0	%100
79	MP1A	X	.42	.42	0	%100
80	MP1A	Z	.243	.243	0	%100
81	MP2A	X	.42	.42	0	%100
82	MP2A	Z	.243	.243	0	%100
83	MP3A	X	.42	.42	0	%100
84	MP3A	Z	.243	.243	0	%100
85	MP4A	X	.42	.42	0	%100
86	MP4A	Z	.243	.243	0	%100
87	MP1C	X	.42	.42	0	%100
88	MP1C	Z	.243	.243	0	%100
89	MP2C	X	.42	.42	0	%100
90	MP2C	Z	.243	.243	0	%100
91	MP3C	X	.42	.42	0	%100
92	MP3C	Z	.243	.243	0	%100
93	MP4C	X	.42	.42	0	%100
94	MP4C	Z	.243	.243	0	%100
95	MP1B	X	.42	.42	0	%100
96	MP1B	Z	.243	.243	0	%100
97	MP2B	X	.42	.42	0	%100
98	MP2B	Z	.243	.243	0	%100
99	MP3B	X	.42	.42	0	%100
100	MP3B	Z	.243	.243	0	%100
101	MP4B	X	.42	.42	0	%100
102	MP4B	Z	.243	.243	0	%100
103	M100	X	.127	.127	0	%100
104	M100	Z	.073	.073	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,%]
105	M101	X	.127	.127	0	%100
106	M101	Z	.073	.073	0	%100
107	M102	X	.509	.509	0	%100
108	M102	Z	.294	.294	0	%100
109	M121	X	.152	.152	0	%100
110	M121	Z	.088	.088	0	%100
111	M122	X	.152	.152	0	%100
112	M122	Z	.088	.088	0	%100
113	M123	X	.608	.608	0	%100
114	M123	Z	.351	.351	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	.268	.268	0	%100
2	M1	Z	.464	.464	0	%100
3	M4	X	.091	.091	0	%100
4	M4	Z	.157	.157	0	%100
5	M10	X	.23	.23	0	%100
6	M10	Z	.399	.399	0	%100
7	M43	X	.23	.23	0	%100
8	M43	Z	.399	.399	0	%100
9	M46	X	.46	.46	0	%100
10	M46	Z	.796	.796	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	.255	.255	0	%100
14	M52B	Z	.442	.442	0	%100
15	M76	X	.153	.153	0	%100
16	M76	Z	.265	.265	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	.153	.153	0	%100
22	M84	Z	.265	.265	0	%100
23	M85	X	.468	.468	0	%100
24	M85	Z	.811	.811	0	%100
25	M91	X	.493	.493	0	%100
26	M91	Z	.854	.854	0	%100
27	M52A	X	.363	.363	0	%100
28	M52A	Z	.629	.629	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	.255	.255	0	%100
36	M58A	Z	.442	.442	0	%100
37	M59A	X	.255	.255	0	%100
38	M59A	Z	.442	.442	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,%]
39	M63	X	.613	.613	0	%100
40	M63	Z	1.062	1.062	0	%100
41	M64	X	.468	.468	0	%100
42	M64	Z	.811	.811	0	%100
43	M66	X	.493	.493	0	%100
44	M66	Z	.854	.854	0	%100
45	M68	X	.613	.613	0	%100
46	M68	Z	1.062	1.062	0	%100
47	M69	X	.468	.468	0	%100
48	M69	Z	.811	.811	0	%100
49	M71	X	.493	.493	0	%100
50	M71	Z	.854	.854	0	%100
51	M76A	X	.091	.091	0	%100
52	M76A	Z	.157	.157	0	%100
53	M77A	X	.23	.23	0	%100
54	M77A	Z	.399	.399	0	%100
55	M78	X	.23	.23	0	%100
56	M78	Z	.399	.399	0	%100
57	M79A	X	.46	.46	0	%100
58	M79A	Z	.796	.796	0	%100
59	M82	X	.255	.255	0	%100
60	M82	Z	.442	.442	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	.153	.153	0	%100
64	M87	Z	.265	.265	0	%100
65	M88A	X	.468	.468	0	%100
66	M88A	Z	.811	.811	0	%100
67	M90	X	.493	.493	0	%100
68	M90	Z	.854	.854	0	%100
69	M92A	X	.153	.153	0	%100
70	M92A	Z	.265	.265	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	.268	.268	0	%100
78	M91B	Z	.464	.464	0	%100
79	MP1A	X	.243	.243	0	%100
80	MP1A	Z	.42	.42	0	%100
81	MP2A	X	.243	.243	0	%100
82	MP2A	Z	.42	.42	0	%100
83	MP3A	X	.243	.243	0	%100
84	MP3A	Z	.42	.42	0	%100
85	MP4A	X	.243	.243	0	%100
86	MP4A	Z	.42	.42	0	%100
87	MP1C	X	.243	.243	0	%100
88	MP1C	Z	.42	.42	0	%100
89	MP2C	X	.243	.243	0	%100
90	MP2C	Z	.42	.42	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,%]
91	MP3C	X	.243	.243	0	%100
92	MP3C	Z	.42	.42	0	%100
93	MP4C	X	.243	.243	0	%100
94	MP4C	Z	.42	.42	0	%100
95	MP1B	X	.243	.243	0	%100
96	MP1B	Z	.42	.42	0	%100
97	MP2B	X	.243	.243	0	%100
98	MP2B	Z	.42	.42	0	%100
99	MP3B	X	.243	.243	0	%100
100	MP3B	Z	.42	.42	0	%100
101	MP4B	X	.243	.243	0	%100
102	MP4B	Z	.42	.42	0	%100
103	M100	X	.22	.22	0	%100
104	M100	Z	.382	.382	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	.22	.22	0	%100
108	M102	Z	.382	.382	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	.263	.263	0	%100
112	M122	Z	.456	.456	0	%100
113	M123	X	.263	.263	0	%100
114	M123	Z	.456	.456	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	.715	.715	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	.615	.615	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	.615	.615	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	1.226	1.226	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	.17	.17	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	.17	.17	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	.312	.312	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	.329	.329	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	.312	.312	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,%]
25	M91	X	0	0	0	%100
26	M91	Z	.329	.329	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	.545	.545	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	.154	.154	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	.154	.154	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	.306	.306	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	.17	.17	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	.681	.681	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	.919	.919	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	.312	.312	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	.329	.329	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	.919	.919	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	1.249	1.249	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	1.315	1.315	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	.545	.545	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	.154	.154	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	.154	.154	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	.306	.306	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	.681	.681	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	.17	.17	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	.919	.919	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	1.249	1.249	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	1.315	1.315	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	.919	.919	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	.312	.312	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	.329	.329	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	.179	.179	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,%]
77	M91B	X	0	0	0	%100
78	M91B	Z	.179	.179	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	.485	.485	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	.485	.485	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	.485	.485	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	.485	.485	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	.485	.485	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	.485	.485	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	.485	.485	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	.485	.485	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	.485	.485	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	.485	.485	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	.485	.485	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	.485	.485	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	.587	.587	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	.147	.147	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	.147	.147	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	.175	.175	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	.702	.702	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	.175	.175	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	-.268	-.268	0	%100
2	M1	Z	.464	.464	0	%100
3	M4	X	-.091	-.091	0	%100
4	M4	Z	.157	.157	0	%100
5	M10	X	-.23	-.23	0	%100
6	M10	Z	.399	.399	0	%100
7	M43	X	-.23	-.23	0	%100
8	M43	Z	.399	.399	0	%100
9	M46	X	-.46	-.46	0	%100
10	M46	Z	.796	.796	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,%]
11	M51B	X	-.255	-.255	0	%100
12	M51B	Z	.442	.442	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-.153	-.153	0	%100
16	M76	Z	.265	.265	0	%100
17	M77	X	-.468	-.468	0	%100
18	M77	Z	.811	.811	0	%100
19	M80	X	-.493	-.493	0	%100
20	M80	Z	.854	.854	0	%100
21	M84	X	-.153	-.153	0	%100
22	M84	Z	.265	.265	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	-.091	-.091	0	%100
28	M52A	Z	.157	.157	0	%100
29	M53	X	-.23	-.23	0	%100
30	M53	Z	.399	.399	0	%100
31	M54	X	-.23	-.23	0	%100
32	M54	Z	.399	.399	0	%100
33	M55	X	-.46	-.46	0	%100
34	M55	Z	.796	.796	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	-.255	-.255	0	%100
38	M59A	Z	.442	.442	0	%100
39	M63	X	-.153	-.153	0	%100
40	M63	Z	.265	.265	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	-.153	-.153	0	%100
46	M68	Z	.265	.265	0	%100
47	M69	X	-.468	-.468	0	%100
48	M69	Z	.811	.811	0	%100
49	M71	X	-.493	-.493	0	%100
50	M71	Z	.854	.854	0	%100
51	M76A	X	-.363	-.363	0	%100
52	M76A	Z	.629	.629	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	-.255	-.255	0	%100
60	M82	Z	.442	.442	0	%100
61	M83A	X	-.255	-.255	0	%100
62	M83A	Z	.442	.442	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,%]
63	M87	X	-.613	-.613	0	%100
64	M87	Z	1.062	1.062	0	%100
65	M88A	X	-.468	-.468	0	%100
66	M88A	Z	.811	.811	0	%100
67	M90	X	-.493	-.493	0	%100
68	M90	Z	.854	.854	0	%100
69	M92A	X	-.613	-.613	0	%100
70	M92A	Z	1.062	1.062	0	%100
71	M93	X	-.468	-.468	0	%100
72	M93	Z	.811	.811	0	%100
73	M95	X	-.493	-.493	0	%100
74	M95	Z	.854	.854	0	%100
75	M82A	X	-.268	-.268	0	%100
76	M82A	Z	.464	.464	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	-.243	-.243	0	%100
80	MP1A	Z	.42	.42	0	%100
81	MP2A	X	-.243	-.243	0	%100
82	MP2A	Z	.42	.42	0	%100
83	MP3A	X	-.243	-.243	0	%100
84	MP3A	Z	.42	.42	0	%100
85	MP4A	X	-.243	-.243	0	%100
86	MP4A	Z	.42	.42	0	%100
87	MP1C	X	-.243	-.243	0	%100
88	MP1C	Z	.42	.42	0	%100
89	MP2C	X	-.243	-.243	0	%100
90	MP2C	Z	.42	.42	0	%100
91	MP3C	X	-.243	-.243	0	%100
92	MP3C	Z	.42	.42	0	%100
93	MP4C	X	-.243	-.243	0	%100
94	MP4C	Z	.42	.42	0	%100
95	MP1B	X	-.243	-.243	0	%100
96	MP1B	Z	.42	.42	0	%100
97	MP2B	X	-.243	-.243	0	%100
98	MP2B	Z	.42	.42	0	%100
99	MP3B	X	-.243	-.243	0	%100
100	MP3B	Z	.42	.42	0	%100
101	MP4B	X	-.243	-.243	0	%100
102	MP4B	Z	.42	.42	0	%100
103	M100	X	-.22	-.22	0	%100
104	M100	Z	.382	.382	0	%100
105	M101	X	-.22	-.22	0	%100
106	M101	Z	.382	.382	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	0	0	0	%100
109	M121	X	-.263	-.263	0	%100
110	M121	Z	.456	.456	0	%100
111	M122	X	-.263	-.263	0	%100
112	M122	Z	.456	.456	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	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	-.155	-.155	0	%100
2	M1	Z	.089	.089	0	%100
3	M4	X	-.472	-.472	0	%100
4	M4	Z	.272	.272	0	%100
5	M10	X	-.133	-.133	0	%100
6	M10	Z	.077	.077	0	%100
7	M43	X	-.133	-.133	0	%100
8	M43	Z	.077	.077	0	%100
9	M46	X	-.265	-.265	0	%100
10	M46	Z	.153	.153	0	%100
11	M51B	X	-.59	-.59	0	%100
12	M51B	Z	.34	.34	0	%100
13	M52B	X	-.147	-.147	0	%100
14	M52B	Z	.085	.085	0	%100
15	M76	X	-.796	-.796	0	%100
16	M76	Z	.46	.46	0	%100
17	M77	X	-1.081	-1.081	0	%100
18	M77	Z	.624	.624	0	%100
19	M80	X	-1.139	-1.139	0	%100
20	M80	Z	.658	.658	0	%100
21	M84	X	-.796	-.796	0	%100
22	M84	Z	.46	.46	0	%100
23	M85	X	-.27	-.27	0	%100
24	M85	Z	.156	.156	0	%100
25	M91	X	-.285	-.285	0	%100
26	M91	Z	.164	.164	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	-.532	-.532	0	%100
30	M53	Z	.307	.307	0	%100
31	M54	X	-.532	-.532	0	%100
32	M54	Z	.307	.307	0	%100
33	M55	X	-1.062	-1.062	0	%100
34	M55	Z	.613	.613	0	%100
35	M58A	X	-.147	-.147	0	%100
36	M58A	Z	.085	.085	0	%100
37	M59A	X	-.147	-.147	0	%100
38	M59A	Z	.085	.085	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	-.27	-.27	0	%100
42	M64	Z	.156	.156	0	%100
43	M66	X	-.285	-.285	0	%100
44	M66	Z	.164	.164	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	-.27	-.27	0	%100
48	M69	Z	.156	.156	0	%100
49	M71	X	-.285	-.285	0	%100
50	M71	Z	.164	.164	0	%100
51	M76A	X	-.472	-.472	0	%100
52	M76A	Z	.272	.272	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,%]
53	M77A	X	-.133	-.133	0	%100
54	M77A	Z	.077	.077	0	%100
55	M78	X	-.133	-.133	0	%100
56	M78	Z	.077	.077	0	%100
57	M79A	X	-.265	-.265	0	%100
58	M79A	Z	.153	.153	0	%100
59	M82	X	-.147	-.147	0	%100
60	M82	Z	.085	.085	0	%100
61	M83A	X	-.59	-.59	0	%100
62	M83A	Z	.34	.34	0	%100
63	M87	X	-.796	-.796	0	%100
64	M87	Z	.46	.46	0	%100
65	M88A	X	-.27	-.27	0	%100
66	M88A	Z	.156	.156	0	%100
67	M90	X	-.285	-.285	0	%100
68	M90	Z	.164	.164	0	%100
69	M92A	X	-.796	-.796	0	%100
70	M92A	Z	.46	.46	0	%100
71	M93	X	-1.081	-1.081	0	%100
72	M93	Z	.624	.624	0	%100
73	M95	X	-1.139	-1.139	0	%100
74	M95	Z	.658	.658	0	%100
75	M82A	X	-.619	-.619	0	%100
76	M82A	Z	.358	.358	0	%100
77	M91B	X	-.155	-.155	0	%100
78	M91B	Z	.089	.089	0	%100
79	MP1A	X	-.42	-.42	0	%100
80	MP1A	Z	.243	.243	0	%100
81	MP2A	X	-.42	-.42	0	%100
82	MP2A	Z	.243	.243	0	%100
83	MP3A	X	-.42	-.42	0	%100
84	MP3A	Z	.243	.243	0	%100
85	MP4A	X	-.42	-.42	0	%100
86	MP4A	Z	.243	.243	0	%100
87	MP1C	X	-.42	-.42	0	%100
88	MP1C	Z	.243	.243	0	%100
89	MP2C	X	-.42	-.42	0	%100
90	MP2C	Z	.243	.243	0	%100
91	MP3C	X	-.42	-.42	0	%100
92	MP3C	Z	.243	.243	0	%100
93	MP4C	X	-.42	-.42	0	%100
94	MP4C	Z	.243	.243	0	%100
95	MP1B	X	-.42	-.42	0	%100
96	MP1B	Z	.243	.243	0	%100
97	MP2B	X	-.42	-.42	0	%100
98	MP2B	Z	.243	.243	0	%100
99	MP3B	X	-.42	-.42	0	%100
100	MP3B	Z	.243	.243	0	%100
101	MP4B	X	-.42	-.42	0	%100
102	MP4B	Z	.243	.243	0	%100
103	M100	X	-.127	-.127	0	%100
104	M100	Z	.073	.073	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,%]
105	M101	X	-.509	-.509	0	%100
106	M101	Z	.294	.294	0	%100
107	M102	X	-.127	-.127	0	%100
108	M102	Z	.073	.073	0	%100
109	M121	X	-.608	-.608	0	%100
110	M121	Z	.351	.351	0	%100
111	M122	X	-.152	-.152	0	%100
112	M122	Z	.088	.088	0	%100
113	M123	X	-.152	-.152	0	%100
114	M123	Z	.088	.088	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	-.726	-.726	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	-.511	-.511	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-.511	-.511	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-1.226	-1.226	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	-.936	-.936	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	-.986	-.986	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-1.226	-1.226	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	-.936	-.936	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	-.986	-.986	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	-.182	-.182	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	-.461	-.461	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	-.461	-.461	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	-.919	-.919	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	-.511	-.511	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	0	0	0	%100
38	M59A	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,%]
39	M63	X	-.306	-.306	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	-.936	-.936	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	-.986	-.986	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	-.306	-.306	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	0	0	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	0	0	0	%100
51	M76A	X	-.182	-.182	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	-.461	-.461	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	-.461	-.461	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	-.919	-.919	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	0	0	0	%100
61	M83A	X	-.511	-.511	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	-.306	-.306	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	0	0	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	0	0	0	%100
69	M92A	X	-.306	-.306	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	-.936	-.936	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	-.986	-.986	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	-.536	-.536	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	-.536	-.536	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	-.485	-.485	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-.485	-.485	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-.485	-.485	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-.485	-.485	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	-.485	-.485	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	-.485	-.485	0	%100
90	MP2C	Z	0	0	0	%100

Member Distributed Loads (BLC 74 : Structure Wm (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP3C	X	-.485	-.485	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	-.485	-.485	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	-.485	-.485	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	-.485	-.485	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-.485	-.485	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-.485	-.485	0	%100
102	MP4B	Z	0	0	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	0	0	0	%100
105	M101	X	-.441	-.441	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	-.441	-.441	0	%100
108	M102	Z	0	0	0	%100
109	M121	X	-.526	-.526	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	-.526	-.526	0	%100
114	M123	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	-.155	-.155	0	%100
2	M1	Z	-.089	-.089	0	%100
3	M4	X	-.472	-.472	0	%100
4	M4	Z	-.272	-.272	0	%100
5	M10	X	-.133	-.133	0	%100
6	M10	Z	-.077	-.077	0	%100
7	M43	X	-.133	-.133	0	%100
8	M43	Z	-.077	-.077	0	%100
9	M46	X	-.265	-.265	0	%100
10	M46	Z	-.153	-.153	0	%100
11	M51B	X	-.147	-.147	0	%100
12	M51B	Z	-.085	-.085	0	%100
13	M52B	X	-.59	-.59	0	%100
14	M52B	Z	-.34	-.34	0	%100
15	M76	X	-.796	-.796	0	%100
16	M76	Z	-.46	-.46	0	%100
17	M77	X	-.27	-.27	0	%100
18	M77	Z	-.156	-.156	0	%100
19	M80	X	-.285	-.285	0	%100
20	M80	Z	-.164	-.164	0	%100
21	M84	X	-.796	-.796	0	%100
22	M84	Z	-.46	-.46	0	%100
23	M85	X	-1.081	-1.081	0	%100
24	M85	Z	-.624	-.624	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,%]
25	M91	X	-1.139	-1.139	0	%100
26	M91	Z	-.658	-.658	0	%100
27	M52A	X	-.472	-.472	0	%100
28	M52A	Z	-.272	-.272	0	%100
29	M53	X	-.133	-.133	0	%100
30	M53	Z	-.077	-.077	0	%100
31	M54	X	-.133	-.133	0	%100
32	M54	Z	-.077	-.077	0	%100
33	M55	X	-.265	-.265	0	%100
34	M55	Z	-.153	-.153	0	%100
35	M58A	X	-.59	-.59	0	%100
36	M58A	Z	-.34	-.34	0	%100
37	M59A	X	-.147	-.147	0	%100
38	M59A	Z	-.085	-.085	0	%100
39	M63	X	-.796	-.796	0	%100
40	M63	Z	-.46	-.46	0	%100
41	M64	X	-1.081	-1.081	0	%100
42	M64	Z	-.624	-.624	0	%100
43	M66	X	-1.139	-1.139	0	%100
44	M66	Z	-.658	-.658	0	%100
45	M68	X	-.796	-.796	0	%100
46	M68	Z	-.46	-.46	0	%100
47	M69	X	-.27	-.27	0	%100
48	M69	Z	-.156	-.156	0	%100
49	M71	X	-.285	-.285	0	%100
50	M71	Z	-.164	-.164	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	-.532	-.532	0	%100
54	M77A	Z	-.307	-.307	0	%100
55	M78	X	-.532	-.532	0	%100
56	M78	Z	-.307	-.307	0	%100
57	M79A	X	-1.062	-1.062	0	%100
58	M79A	Z	-.613	-.613	0	%100
59	M82	X	-.147	-.147	0	%100
60	M82	Z	-.085	-.085	0	%100
61	M83A	X	-.147	-.147	0	%100
62	M83A	Z	-.085	-.085	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	-.27	-.27	0	%100
66	M88A	Z	-.156	-.156	0	%100
67	M90	X	-.285	-.285	0	%100
68	M90	Z	-.164	-.164	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	-.27	-.27	0	%100
72	M93	Z	-.156	-.156	0	%100
73	M95	X	-.285	-.285	0	%100
74	M95	Z	-.164	-.164	0	%100
75	M82A	X	-.155	-.155	0	%100
76	M82A	Z	-.089	-.089	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,%]
77	M91B	X	-.619	-.619	0	%100
78	M91B	Z	-.358	-.358	0	%100
79	MP1A	X	-.42	-.42	0	%100
80	MP1A	Z	-.243	-.243	0	%100
81	MP2A	X	-.42	-.42	0	%100
82	MP2A	Z	-.243	-.243	0	%100
83	MP3A	X	-.42	-.42	0	%100
84	MP3A	Z	-.243	-.243	0	%100
85	MP4A	X	-.42	-.42	0	%100
86	MP4A	Z	-.243	-.243	0	%100
87	MP1C	X	-.42	-.42	0	%100
88	MP1C	Z	-.243	-.243	0	%100
89	MP2C	X	-.42	-.42	0	%100
90	MP2C	Z	-.243	-.243	0	%100
91	MP3C	X	-.42	-.42	0	%100
92	MP3C	Z	-.243	-.243	0	%100
93	MP4C	X	-.42	-.42	0	%100
94	MP4C	Z	-.243	-.243	0	%100
95	MP1B	X	-.42	-.42	0	%100
96	MP1B	Z	-.243	-.243	0	%100
97	MP2B	X	-.42	-.42	0	%100
98	MP2B	Z	-.243	-.243	0	%100
99	MP3B	X	-.42	-.42	0	%100
100	MP3B	Z	-.243	-.243	0	%100
101	MP4B	X	-.42	-.42	0	%100
102	MP4B	Z	-.243	-.243	0	%100
103	M100	X	-.127	-.127	0	%100
104	M100	Z	-.073	-.073	0	%100
105	M101	X	-.127	-.127	0	%100
106	M101	Z	-.073	-.073	0	%100
107	M102	X	-.509	-.509	0	%100
108	M102	Z	-.294	-.294	0	%100
109	M121	X	-.152	-.152	0	%100
110	M121	Z	-.088	-.088	0	%100
111	M122	X	-.152	-.152	0	%100
112	M122	Z	-.088	-.088	0	%100
113	M123	X	-.608	-.608	0	%100
114	M123	Z	-.351	-.351	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	-.268	-.268	0	%100
2	M1	Z	-.464	-.464	0	%100
3	M4	X	-.091	-.091	0	%100
4	M4	Z	-.157	-.157	0	%100
5	M10	X	-.23	-.23	0	%100
6	M10	Z	-.399	-.399	0	%100
7	M43	X	-.23	-.23	0	%100
8	M43	Z	-.399	-.399	0	%100
9	M46	X	-.46	-.46	0	%100
10	M46	Z	-.796	-.796	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,%]
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-.255	-.255	0	%100
14	M52B	Z	-.442	-.442	0	%100
15	M76	X	-.153	-.153	0	%100
16	M76	Z	-.265	-.265	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-.153	-.153	0	%100
22	M84	Z	-.265	-.265	0	%100
23	M85	X	-.468	-.468	0	%100
24	M85	Z	-.811	-.811	0	%100
25	M91	X	-.493	-.493	0	%100
26	M91	Z	-.854	-.854	0	%100
27	M52A	X	-.363	-.363	0	%100
28	M52A	Z	-.629	-.629	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	-.255	-.255	0	%100
36	M58A	Z	-.442	-.442	0	%100
37	M59A	X	-.255	-.255	0	%100
38	M59A	Z	-.442	-.442	0	%100
39	M63	X	-.613	-.613	0	%100
40	M63	Z	-1.062	-1.062	0	%100
41	M64	X	-.468	-.468	0	%100
42	M64	Z	-.811	-.811	0	%100
43	M66	X	-.493	-.493	0	%100
44	M66	Z	-.854	-.854	0	%100
45	M68	X	-.613	-.613	0	%100
46	M68	Z	-1.062	-1.062	0	%100
47	M69	X	-.468	-.468	0	%100
48	M69	Z	-.811	-.811	0	%100
49	M71	X	-.493	-.493	0	%100
50	M71	Z	-.854	-.854	0	%100
51	M76A	X	-.091	-.091	0	%100
52	M76A	Z	-.157	-.157	0	%100
53	M77A	X	-.23	-.23	0	%100
54	M77A	Z	-.399	-.399	0	%100
55	M78	X	-.23	-.23	0	%100
56	M78	Z	-.399	-.399	0	%100
57	M79A	X	-.46	-.46	0	%100
58	M79A	Z	-.796	-.796	0	%100
59	M82	X	-.255	-.255	0	%100
60	M82	Z	-.442	-.442	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	0	0	0	%100

Member Distributed Loads (BLC 76 : Structure Wm (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
63	M87	X	-.153	-.153	0	%100
64	M87	Z	-.265	-.265	0	%100
65	M88A	X	-.468	-.468	0	%100
66	M88A	Z	-.811	-.811	0	%100
67	M90	X	-.493	-.493	0	%100
68	M90	Z	-.854	-.854	0	%100
69	M92A	X	-.153	-.153	0	%100
70	M92A	Z	-.265	-.265	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	-.268	-.268	0	%100
78	M91B	Z	-.464	-.464	0	%100
79	MP1A	X	-.243	-.243	0	%100
80	MP1A	Z	-.42	-.42	0	%100
81	MP2A	X	-.243	-.243	0	%100
82	MP2A	Z	-.42	-.42	0	%100
83	MP3A	X	-.243	-.243	0	%100
84	MP3A	Z	-.42	-.42	0	%100
85	MP4A	X	-.243	-.243	0	%100
86	MP4A	Z	-.42	-.42	0	%100
87	MP1C	X	-.243	-.243	0	%100
88	MP1C	Z	-.42	-.42	0	%100
89	MP2C	X	-.243	-.243	0	%100
90	MP2C	Z	-.42	-.42	0	%100
91	MP3C	X	-.243	-.243	0	%100
92	MP3C	Z	-.42	-.42	0	%100
93	MP4C	X	-.243	-.243	0	%100
94	MP4C	Z	-.42	-.42	0	%100
95	MP1B	X	-.243	-.243	0	%100
96	MP1B	Z	-.42	-.42	0	%100
97	MP2B	X	-.243	-.243	0	%100
98	MP2B	Z	-.42	-.42	0	%100
99	MP3B	X	-.243	-.243	0	%100
100	MP3B	Z	-.42	-.42	0	%100
101	MP4B	X	-.243	-.243	0	%100
102	MP4B	Z	-.42	-.42	0	%100
103	M100	X	-.22	-.22	0	%100
104	M100	Z	-.382	-.382	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	-.22	-.22	0	%100
108	M102	Z	-.382	-.382	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	-.263	-.263	0	%100
112	M122	Z	-.456	-.456	0	%100
113	M123	X	-.263	-.263	0	%100
114	M123	Z	-.456	-.456	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	M82	Y	-1.879	-4.428	0	.832
2	M82	Y	-4.428	-7.042	.832	1.665
3	M82	Y	-7.042	-8.256	1.665	2.497
4	M82	Y	-8.256	-6.578	2.497	3.329
5	M82	Y	-6.578	-3.47	3.329	4.162
6	M83A	Y	-3.463	-6.545	0	.832
7	M83A	Y	-6.545	-8.189	.832	1.665
8	M83A	Y	-8.189	-6.9	1.665	2.497
9	M83A	Y	-6.9	-4.227	2.497	3.329
10	M83A	Y	-4.227	-1.665	3.329	4.162
11	M58A	Y	-1.664	-4.227	0	.832
12	M58A	Y	-4.227	-6.899	.832	1.665
13	M58A	Y	-6.899	-8.187	1.665	2.497
14	M58A	Y	-8.187	-6.544	2.497	3.329
15	M58A	Y	-6.544	-3.463	3.329	4.162
16	M59A	Y	-3.462	-6.572	0	.832
17	M59A	Y	-6.572	-8.261	.832	1.665
18	M59A	Y	-8.261	-7.048	1.665	2.497
19	M59A	Y	-7.048	-4.428	2.497	3.329
20	M59A	Y	-4.428	-1.883	3.329	4.162
21	M51B	Y	-1.879	-4.428	0	.832
22	M51B	Y	-4.428	-7.042	.832	1.665
23	M51B	Y	-7.042	-8.256	1.665	2.497
24	M51B	Y	-8.256	-6.578	2.497	3.329
25	M51B	Y	-6.578	-3.47	3.329	4.162
26	M52B	Y	-3.463	-6.545	0	.832
27	M52B	Y	-6.545	-8.189	.832	1.665
28	M52B	Y	-8.189	-6.9	1.665	2.497
29	M52B	Y	-6.9	-4.227	2.497	3.329
30	M52B	Y	-4.227	-1.665	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	M82	Y	-5.963	-14.051	0	.832
2	M82	Y	-14.051	-22.344	.832	1.665
3	M82	Y	-22.344	-26.198	1.665	2.497
4	M82	Y	-26.198	-20.872	2.497	3.329
5	M82	Y	-20.872	-11.01	3.329	4.162
6	M83A	Y	-10.988	-20.766	0	.832
7	M83A	Y	-20.766	-25.984	.832	1.665
8	M83A	Y	-25.984	-21.894	1.665	2.497
9	M83A	Y	-21.894	-13.412	2.497	3.329
10	M83A	Y	-13.412	-5.285	3.329	4.162
11	M58A	Y	-5.278	-13.413	0	.832
12	M58A	Y	-13.413	-21.892	.832	1.665
13	M58A	Y	-21.892	-25.979	1.665	2.497
14	M58A	Y	-25.979	-20.766	2.497	3.329
15	M58A	Y	-20.766	-10.988	3.329	4.162
16	M59A	Y	-10.987	-20.853	0	.832
17	M59A	Y	-20.853	-26.213	.832	1.665
18	M59A	Y	-26.213	-22.363	1.665	2.497

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,%]
19	M59A	Y	-22.363	-14.049	2.497	3.329
20	M59A	Y	-14.049	-5.974	3.329	4.162
21	M51B	Y	-5.963	-14.051	0	.832
22	M51B	Y	-14.051	-22.344	.832	1.665
23	M51B	Y	-22.344	-26.198	1.665	2.497
24	M51B	Y	-26.198	-20.872	2.497	3.329
25	M51B	Y	-20.872	-11.01	3.329	4.162
26	M52B	Y	-10.988	-20.766	0	.832
27	M52B	Y	-20.766	-25.984	.832	1.665
28	M52B	Y	-25.984	-21.894	1.665	2.497
29	M52B	Y	-21.894	-13.412	2.497	3.329
30	M52B	Y	-13.412	-5.285	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N117	N118	N141	N139	Y	Two Way	-.005
2	N90	N113	N111	N89	Y	Two Way	-.005
3	N7	N87B	N87C	N6	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N117	N118	N141	N139	Y	Two Way	-.017
2	N90	N113	N111	N89	Y	Two Way	-.017
3	N7	N87B	N87C	N6	Y	Two Way	-.017

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	819.006	10	2355.311	13	1851.789	1	4.765	13	1.178	4	.069	26
2		min	-824.23	4	377.476	7	-2010.297	7	-.099	7	-1.187	10	-.166	20
3	N87D	max	1598.633	9	2366.818	21	1125.156	1	-.073	3	1.175	12	.186	3
4		min	-1733.303	3	369.008	3	-1040.171	7	-2.507	21	-1.183	6	-4.099	21
5	N115	max	1779.299	11	2362.319	17	983.358	1	.179	11	1.139	8	4.212	17
6		min	-1639.147	5	379.115	11	-909.841	7	-2.663	29	-1.146	2	-.001	11
7	Totals:	max	4003.815	10	6627.489	14	3960.303	1						
8		min	-4003.82	4	3171.973	8	-3960.309	7						

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M1	PIPE 3.0	.142	4.948	19	.084	7.552		8	28250.554	65205	5.749	5.749	2....	H1-1b
2	M4	HSS4X4X4	.297	0	13	.071	0	y	13	124657.7...	139518	16.181	16.181	3....	H1-1b
3	M10	HSS4X4X4	.163	2.375	14	.045	2.375	y	13	136263.03	139518	16.181	16.181	1....	H1-1b
4	M43	HSS4X4X4	.166	0	24	.054	0	y	13	136263.03	139518	16.181	16.181	1....	H1-1b
5	M46	PL1/2X6	.135	.516	1	.106	.516	y	4	66009.234	97200	1.012	12.15	1....	H1-1b
6	M51B	L2x2x3	.117	0	2	.014	4.162	y	16	9823.122	23392.8	.558	1.083	1....	H2-1
7	M52B	L2x2x3	.119	4.162	12	.014	0	y	21	9823.122	23392.8	.558	1.083	1....	H2-1
8	M76	PL3/8x6	.186	0	4	.294	0	y	18	70677.939	72900	.57	9.113	1....	H1-1b
9	M77	PL3/8x6	.199	.167	7	.321	0	y	13	71601.728	72900	.57	9.113	1....	H1-1b

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
10	M80	PL1/2X6	.059	.112	1	.057	.112	y	4	96757.507	97200	1.012	12.15	1....	H1-1b
11	M84	PL3/8x6	.223	0	10	.214	0	y	21	70677.939	72900	.57	9.113	1....	H1-1b
12	M85	PL3/8x6	.204	.167	7	.338	0	y	24	71601.728	72900	.57	9.113	1....	H1-1b
13	M91	PL1/2X6	.055	.112	1	.077	.112	y	9	96757.507	97200	1.012	12.15	1....	H1-1b
14	M52A	HSS4X4X4	.300	0	21	.085	0	y	45	124657.7...	139518	16.181	16.181	3....	H1-1b
15	M53	HSS4X4X4	.164	2.375	22	.045	2.375	y	21	136263.03	139518	16.181	16.181	1....	H1-1b
16	M54	HSS4X4X4	.166	0	20	.054	0	y	21	136263.03	139518	16.181	16.181	1....	H1-1b
17	M55	PL1/2X6	.140	.516	9	.106	.516	y	12	66009.234	97200	1.012	12.15	1....	H1-1b
18	M58A	L2x2x3	.116	0	10	.014	4.162	y	24	9823.122	23392.8	.558	1.083	1....	H2-1
19	M59A	L2x2x3	.123	4.162	8	.014	0	y	17	9823.122	23392.8	.558	1.083	1....	H2-1
20	M63	PL3/8x6	.187	0	12	.294	0	y	14	70677.939	72900	.57	9.113	1....	H1-1b
21	M64	PL3/8x6	.203	.167	3	.322	0	y	21	71601.728	72900	.57	9.113	1....	H1-1b
22	M66	PL1/2X6	.060	.112	9	.056	.112	y	1	96757.507	97200	1.012	12.15	1....	H1-1b
23	M68	PL3/8x6	.219	0	6	.215	0	y	17	70677.939	72900	.57	9.113	1....	H1-1b
24	M69	PL3/8x6	.210	.167	2	.339	0	y	20	71601.728	72900	.57	9.113	1....	H1-1b
25	M71	PL1/2X6	.056	.112	9	.076	.112	y	5	96757.507	97200	1.012	12.15	1....	H1-1b
26	M76A	HSS4X4X4	.308	0	30	.073	0	y	41	124657.7...	139518	16.181	16.181	2....	H1-1b
27	M77A	HSS4X4X4	.164	2.375	18	.045	2.375	y	17	136263.03	139518	16.181	16.181	1....	H1-1b
28	M78	HSS4X4X4	.166	0	16	.054	0	y	17	136263.03	139518	16.181	16.181	1....	H1-1b
29	M79A	PL1/2X6	.136	.516	5	.148	.516	y	26	66009.234	97200	1.012	12.15	1....	H1-1b
30	M82	L2x2x3	.115	0	6	.014	4.162	y	20	9823.122	23392.8	.558	1.083	1....	H2-1
31	M83A	L2x2x3	.121	4.162	4	.014	0	y	13	9823.122	23392.8	.558	1.083	1....	H2-1
32	M87	PL3/8x6	.182	0	8	.294	0	y	22	70677.939	72900	.57	9.113	1....	H1-1b
33	M88A	PL3/8x6	.198	.167	11	.322	0	y	17	71601.728	72900	.57	9.113	1....	H1-1b
34	M90	PL1/2X6	.059	.112	5	.128	0	y	27	96757.507	97200	1.012	12.15	1....	H1-1b
35	M92A	PL3/8x6	.214	0	2	.213	0	y	13	70677.939	72900	.57	9.113	1....	H1-1b
36	M93	PL3/8x6	.209	.167	10	.338	0	y	16	71601.728	72900	.57	9.113	1....	H1-1b
37	M95	PL1/2X6	.055	.112	5	.075	.112	y	1	96757.507	97200	1.012	12.15	1....	H1-1b
38	M82A	PIPE 3.0	.142	4.948	15	.084	7.552		4	28250.554	65205	5.749	5.749	2....	H1-1b
39	M91B	PIPE 3.0	.141	4.948	23	.083	7.552		12	28250.554	65205	5.749	5.749	2....	H1-1b
40	MP1A	PIPE 2.0	.294	3.313	9	.126	1.25		8	20866.733	32130	1.872	1.872	1....	H1-1b
41	MP2A	PIPE 2.5	.211	3.313	10	.099	3.313		9	37773.818	50715	3.596	3.596	1....	H1-1b
42	MP3A	PIPE 2.0	.253	3.313	5	.096	3.313		7	20866.733	32130	1.872	1.872	1....	H1-1b
43	MP4A	PIPE 2.0	.191	3.313	5	.104	.875		7	20866.733	32130	1.872	1.872	1....	H1-1b
44	MP1C	PIPE 2.0	.291	3.313	5	.127	1.25		4	20866.733	32130	1.872	1.872	2....	H1-1b
45	MP2C	PIPE 2.5	.207	3.313	6	.099	3.313		5	37773.818	50715	3.596	3.596	1....	H1-1b
46	MP3C	PIPE 2.0	.251	3.313	1	.096	3.313		3	20866.733	32130	1.872	1.872	1....	H1-1b
47	MP4C	PIPE 2.0	.191	3.313	1	.105	.875		3	20866.733	32130	1.872	1.872	1....	H1-1b
48	MP1B	PIPE 2.0	.291	3.313	1	.126	1.25		12	20866.733	32130	1.872	1.872	1....	H1-1b
49	MP2B	PIPE 2.5	.211	3.313	8	.100	3.313		1	37773.818	50715	3.596	3.596	1....	H1-1b
50	MP3B	PIPE 2.0	.256	3.313	9	.096	3.313		11	20866.733	32130	1.872	1.872	1....	H1-1b
51	MP4B	PIPE 2.0	.193	3.313	9	.105	.875		11	20866.733	32130	1.872	1.872	2....	H1-1b
52	M100	PIPE 2.5	.162	6.38	9	.082	1.432		12	14558.792	50715	3.596	3.596	1....	H1-1b
53	M101	PIPE 2.5	.160	6.38	5	.082	1.432		8	14558.792	50715	3.596	3.596	1....	H1-1b
54	M102	PIPE 2.5	.160	6.38	1	.083	1.432		4	14558.792	50715	3.596	3.596	1....	H1-1b
55	M121	L3X3X4	.246	1.603	7	.042	0	y	12	44074.44	46656	1.688	3.756	2....	H2-1
56	M122	L3X3X4	.245	1.603	11	.043	0	y	4	44074.44	46656	1.688	3.756	2....	H2-1
57	M123	L3X3X4	.247	1.603	3	.042	0	y	8	44074.44	46656	1.688	3.756	2....	H2-1

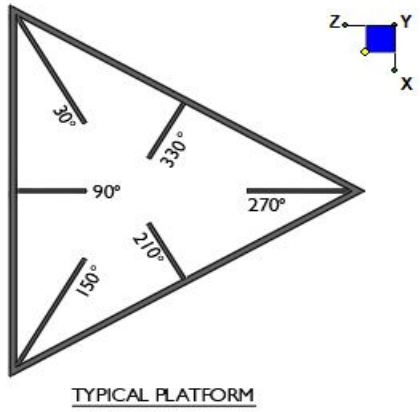
Client:	Verizon Wireless	Date:	6/7/2021
Site Name:	Cheshire NE CT		
Project No.	21777331A		
Title:	Mount Fix	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

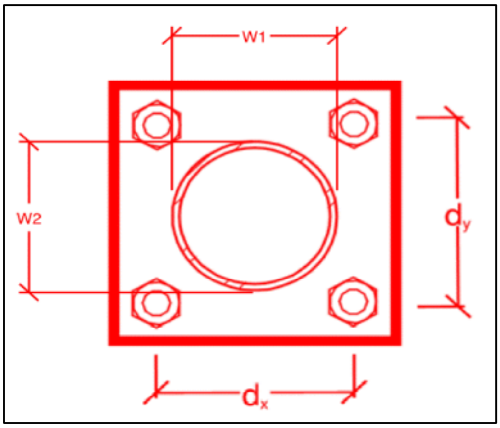
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N115	150
N87D	30
N3	270



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)*:	7
d_y (in) *(Delta Y of typ. bolt config. sketch)*:	7
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	17.0
Required Shear Strength (kips):	3.6
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**20.6%***
Shear Capacity Overall:	**7.3%**



**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):	10
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.625
Weld Size (1/16 in):	6
Phi*Rn (kip/in):	8.35
Required Weld Strength (kip/in):	2.80
Plate Bending Capacity:	**40.5%**
Weld Capacity:	**33.6%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)*:	12.8
$Phi*Mn_{xx}$ *(kip-in)*:	31.6
Mu_{yy} *(kip-in)*:	0.1
$Phi*Mn_{yy}$ *(kip-in)*:	31.6

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

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

Photo Requirements:

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

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

Material Certification:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Contractor shall install new safety climb wire rope guides to the existing mount collar assemblies to prevent interference with mount connection.

Response:

Schedule A – Photo & Document File Structure

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

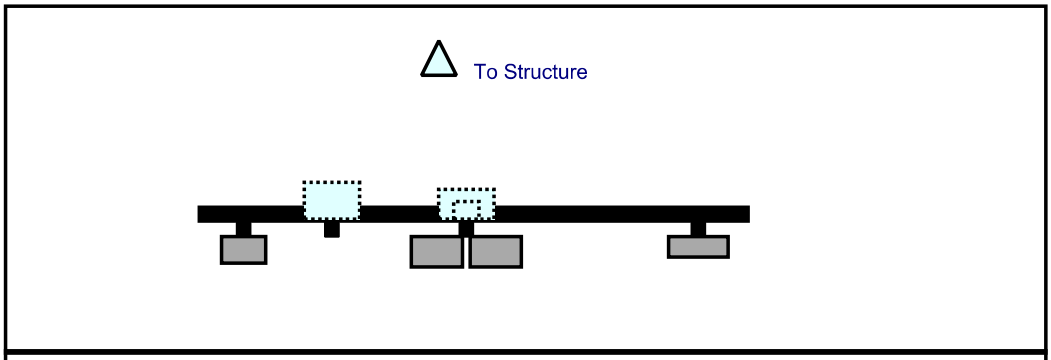
Structure: 468599-VZW - CHESHIRE NE CT

Sector: **A** 6/7/2021

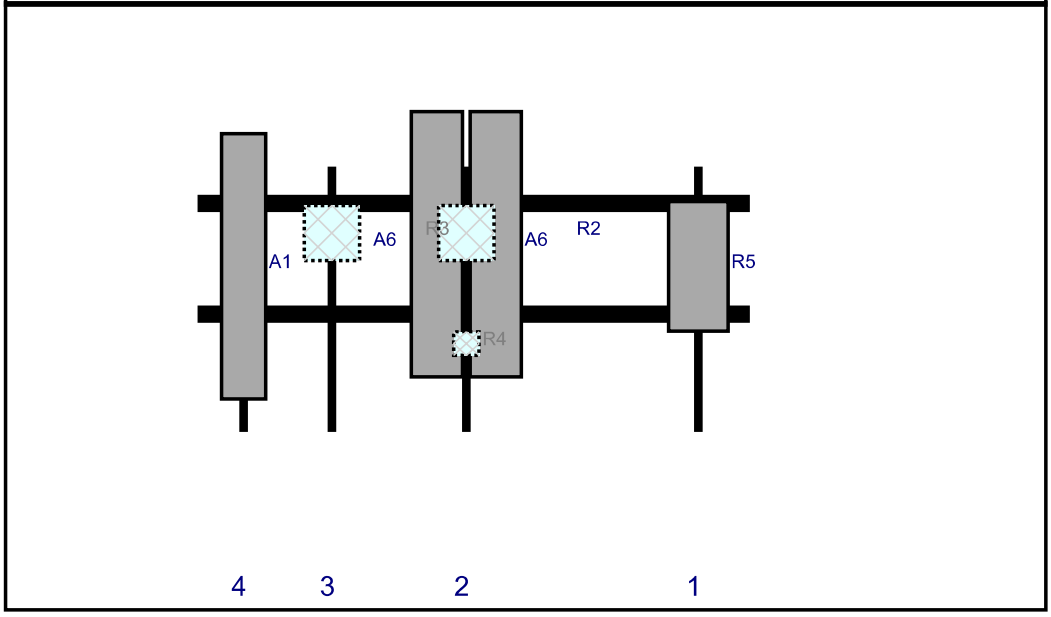
Structure Type: Monopole

Mount Elev: 121.50 Page: 1

Plan View



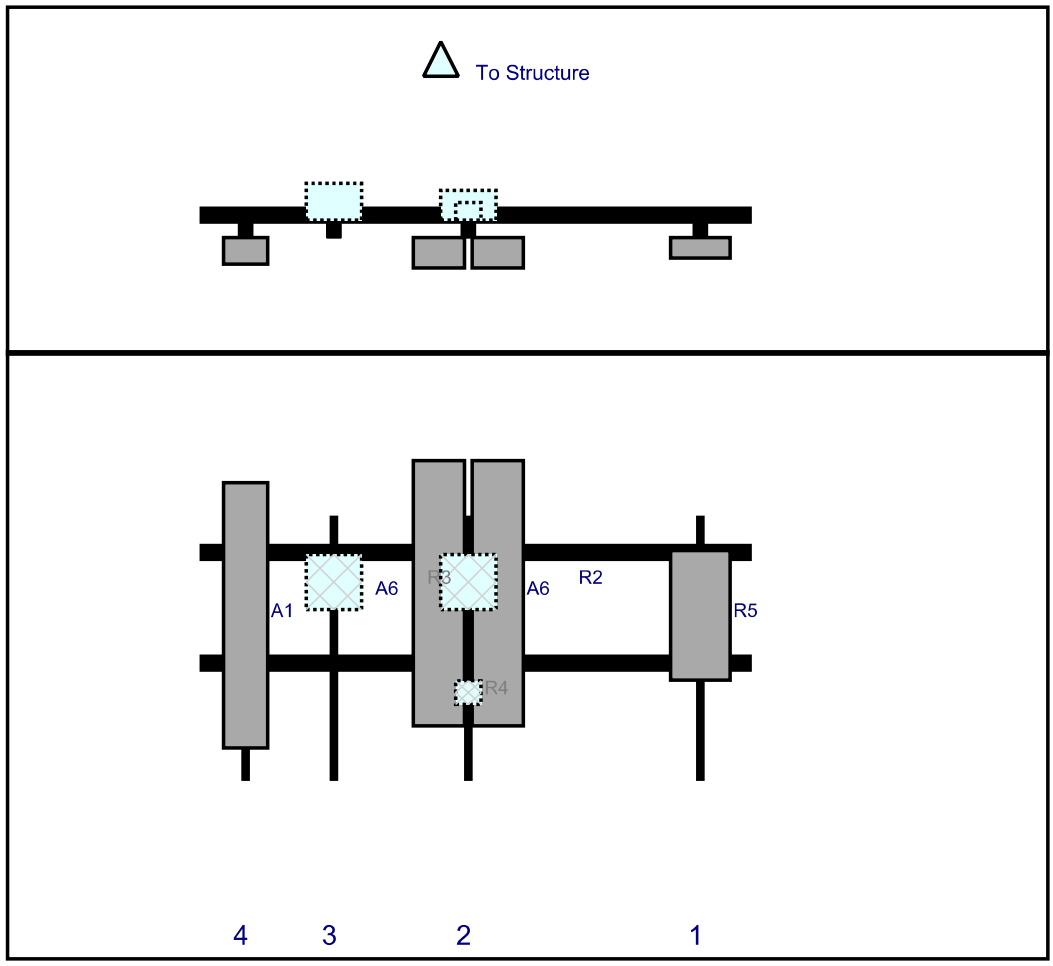
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R5	MT6407-77A	35.1	16.1	136	1	a	Front	27	0	Added	
A6	JAHH-65B-R3B	72	13.8	73	2	a	Front	21	-8	Added	
A6	JAHH-65B-R3B	72	13.8	73	2	b	Front	21	8	Added	
R2	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	73	2	a	Behind	18	0	Added	
R4	CBC78T-DS-43	6.4	6.9	73	2	a	Behind	48	0	Added	
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	36.5	3	a	Behind	18	0	Added	
A1	LNX-6514DS-VTM	72	11.9	12.5	4	a	Front	27	0	Retained	03/21/2021

Plan View

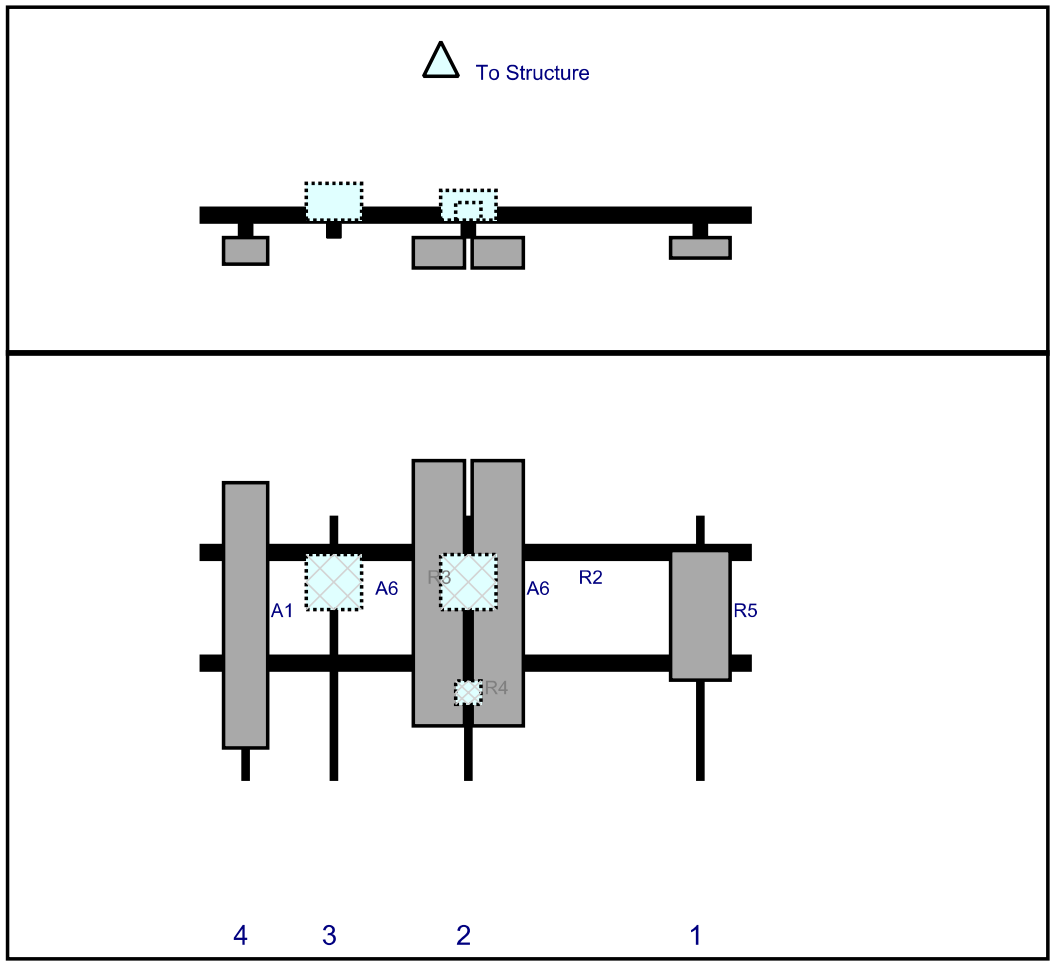
Front View
Looking at Structure



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
R5	MT6407-77A	35.1	16.1	136	1	a	Front	27	0	Added	
A6	JAHH-65B-R3B	72	13.8	73	2	a	Front	21	-8	Added	
A6	JAHH-65B-R3B	72	13.8	73	2	b	Front	21	8	Added	
R2	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	73	2	a	Behind	18	0	Added	
R4	CBC78T-DS-43	6.4	6.9	73	2	a	Behind	48	0	Added	
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	36.5	3	a	Behind	18	0	Added	
A1	LNX-6514DS-VTM	72	11.9	12.5	4	a	Front	27	0	Retained	03/21/2021

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
R5	MT6407-77A	35.1	16.1	136	1	a	Front	27	0	Added	
A6	JAHH-65B-R3B	72	13.8	73	2	a	Front	21	-8	Added	
A6	JAHH-65B-R3B	72	13.8	73	2	b	Front	21	8	Added	
R2	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	73	2	a	Behind	18	0	Added	
R4	CBC78T-DS-43	6.4	6.9	73	2	a	Behind	48	0	Added	
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	36.5	3	a	Behind	18	0	Added	
A1	LNX-6514DS-VTM	72	11.9	12.5	4	a	Front	27	0	Retained	03/21/2021

Maser Consulting

Subject	TIA-222-H Usage
Site Information	Site ID: 468599 Site Name: Cheshire NE CT Carrier Name: Verizon Wireless Address: 500 Highland Ave Cheshire, Connecticut 06410 New Haven County Latitude: 41.511194° Longitude: -72.898458°
Structure Information	Tower Type: 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. TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

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

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

Sincerely,

Dejian Xu

Dejian Xu, PE
Technical Manager

PROJECT NOTES

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

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 12.50' PLATFORM

SITE NAME: CHESHIRE NE CT
SITE NUMBER: 468599

500 HIGHLAND AVE
CHESHIRE, CT 06410
NEW HAVEN COUNTY

PROJECT INFORMATION

SITE INFORMATION

LATITUDE:	41.511194° N
LONGITUDE:	72.898458° W
JURISDICTION:	NEW HAVEN COUNTY

APPLICANT/LESSEE

COMPANY:	VERIZON WIRELESS

CLIENT REPRESENTATIVE

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

PROJECT MANAGER

COMPANY:	MASER CONSULTING CONNECTICUT
CONTACT:	PETER ALBANO
PHONE:	(856) 797-0412
E-MAIL:	PETER.ALBANO@COLLIERSENGINEERING.COM

SHEET INDEX

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

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #:	10065188
VZW LOCATION CODE (PSLC):	468599
FUZE ID:	16244732

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT

SMART TOOL PROJECT #:	10046625
MASER CONSULTING PROJECT #:	21777331A
ANALYSIS DATE:	4/15/2021

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SCALE:	JOB NUMBER:
AS SHOWN	21777331A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/9/2021	ISSUED FOR CONSTRUCTION	FAC	PMA

STATE OF CONNECTICUT
DEJIAN XU
LICENSED PROFESSIONAL ENGINEER
06/09/2021

SITE NAME:

CHESHIRE NE CT
468599

500 HIGHLAND AVE
CHESHIRE, CT 06410
NEW HAVEN COUNTY

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

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
1	VZWSMART	VZWSMART-PLK1	SUPPORT RAIL KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2
3		VZWSMART-MSK2	CROSSOVER PLATE	

OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	-	-	72" LONG, P2.5 STD	GALVANIZED

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

VZWSMART KITS - APPROVED VENDORS

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

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

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SCALE:	JOB NUMBER:
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-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
0	6/9/2021	ISSUED FOR CONSTRUCTION	FAC	PMA

STATE OF CONNECTICUT DEJIAN XU No. 33733 LICENSED PROFESSIONAL ENGINEER
06/09/2021

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

SITE NAME:
CHESHIRE NE CT
468599
500 HIGHLAND AVE
CHESHIRE, CT 06410
NEW HAVEN COUNTY

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

SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: S-1

GENERAL NOTES

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

DESIGN LOADS

WIND LOADS

a. BASIC WIND SPEED (3 SECOND GUST), V = 118 MPH

b. EXPOSURE CATEGORY B

c. TOPOGRAPHIC CATEGORY 1

d. MEAN BASE ELEVATION (AMSL) = 201.31'

ICE LOADS

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

b. ICE THICKNESS = 1.00 IN

SEISMIC LOADS

a. SEISMIC DESIGN CATEGORY B

b. SHORT TERM MCER GROUND MOTION, S_S = .200

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

STRUCTURAL STEEL

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

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

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

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SCALE:	JOB NUMBER:
AS SHOWN	21777331A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
0	6/9/2021	ISSUED FOR CONSTRUCTION	FAC	PMA

STATE OF CONNECTICUT DEJIAN XU No. 33733 LICENSED PROFESSIONAL ENGINEER 06/09/2021

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

SITE NAME:

CHESHIRE NE CT
468599

500 HIGHLAND AVE
CHESHIRE, CT 06410
NEW HAVEN COUNTY

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

SHEET TITLE:
MODIFICATION NOTES

SHEET NUMBER:
S-2

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MODIFICATION INSPECTION NOTES

MI CHECKLIST

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

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

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

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

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

MI INSPECTOR

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

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

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

GENERAL CONTRACTOR

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

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

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

RECOMMENDATIONS

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

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

CORRECTION OF FAILING MI'S

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

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

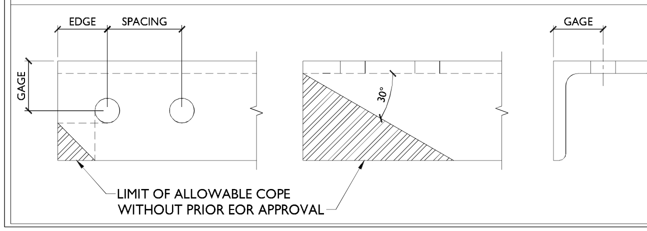
REQUIRED PHOTOS

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

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

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

ALLOWABLE COPING

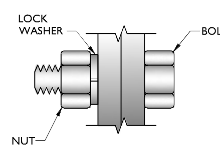


BOLT SCHEDULE (IN.)

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

WORKABLE GAGES (IN.)

LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



TYP. BOLT ASSEMBLY

NOTES:

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

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SCALE:	JOB NUMBER:
AS SHOWN	21777331A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
0	6/9/2021	ISSUED FOR CONSTRUCTION	FAC	PMA

STATE OF CONNECTICUT DEJIAN XU No. 33730 LICENSED PROFESSIONAL ENGINEER
06/09/2021

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

SITE NAME:

CHESHIRE NE CT
468599

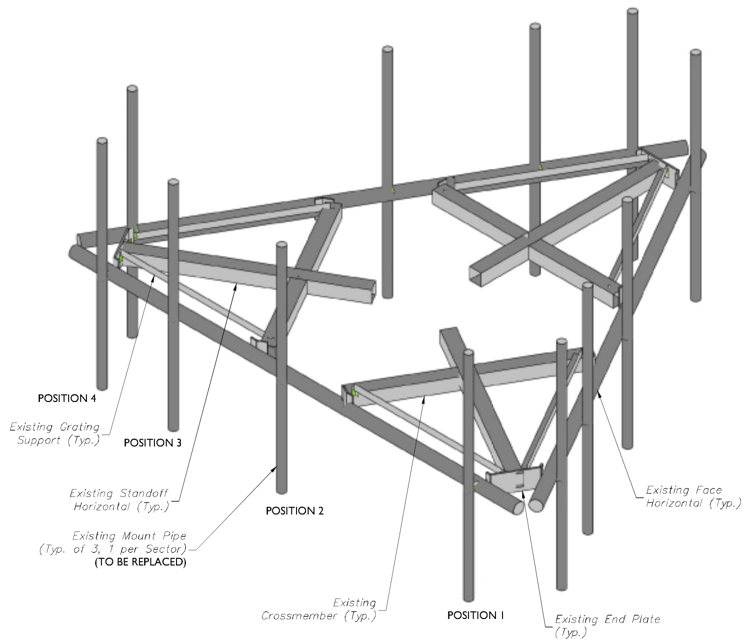
500 HIGHLAND AVE
CHESHIRE, CT 06410
NEW HAVEN COUNTY

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

SHEET TITLE:
MODIFICATION NOTES

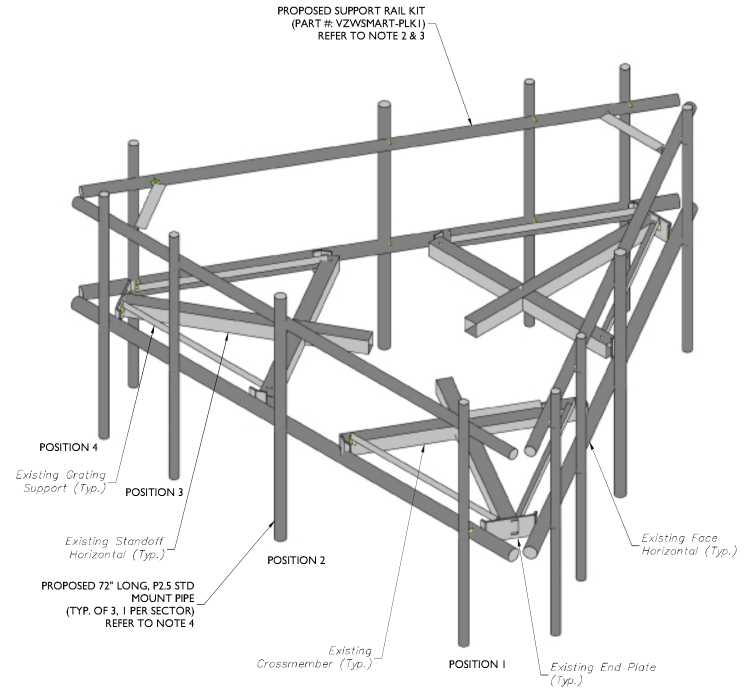
SHEET NUMBER:
S-3

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 EXISTING PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY RKS DESIGN & ENGINEERING LLC. ON 3/21/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (121'-6") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.
2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
4. CONNECT NEW MOUNT PIPE TO EXISTING FACE HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK2).

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SCALE:	JOB NUMBER:
AS SHOWN	21777331A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
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-	-	-	-	-
-	-	-	-	-
0	6/9/2021	ISSUED FOR CONSTRUCTION	FAC	PMA

STATE OF CONNECTICUT DEJIAN XU No. 33733 LICENSED PROFESSIONAL ENGINEER
06/09/2021

SITE NAME:

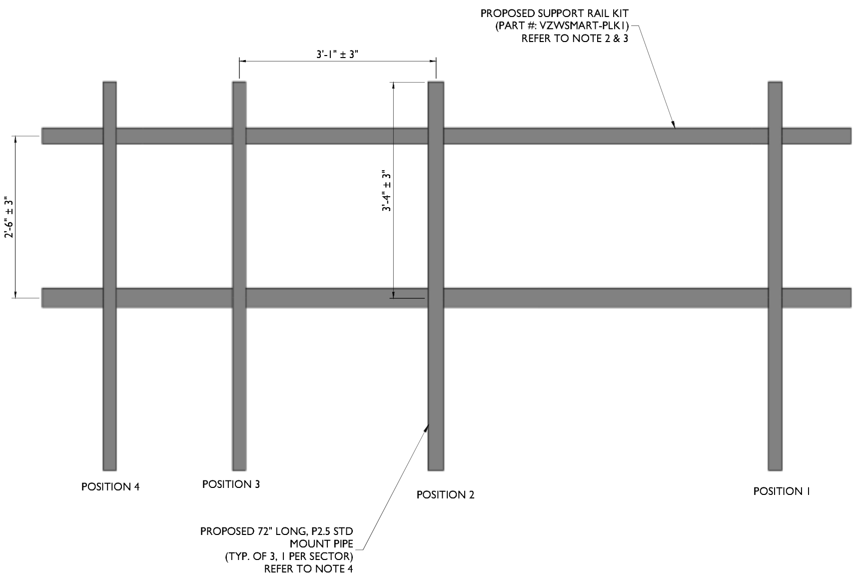
CHESHIRE NE CT
468599

500 HIGHLAND AVE
CHESHIRE, CT 06410
NEW HAVEN COUNTY

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

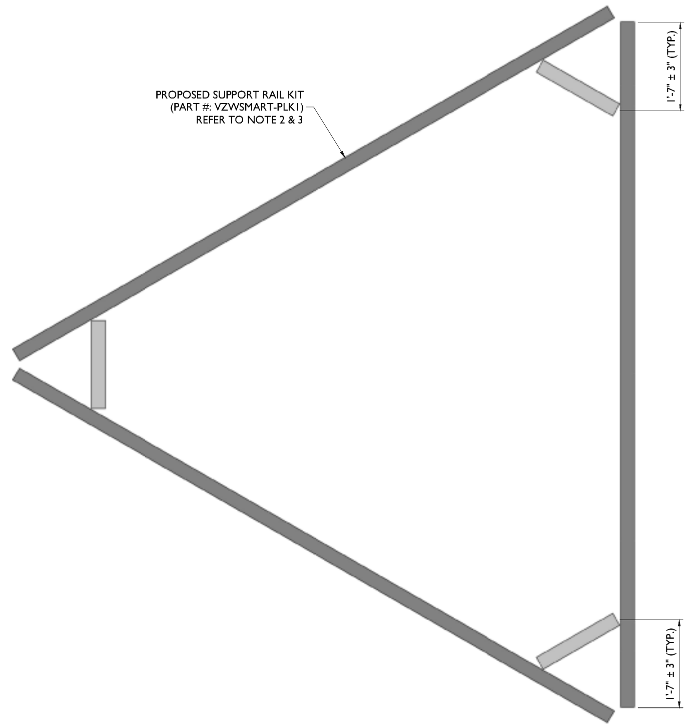
SHEET TITLE:
MODIFICATION DETAILS

SHEET NUMBER:
S-4



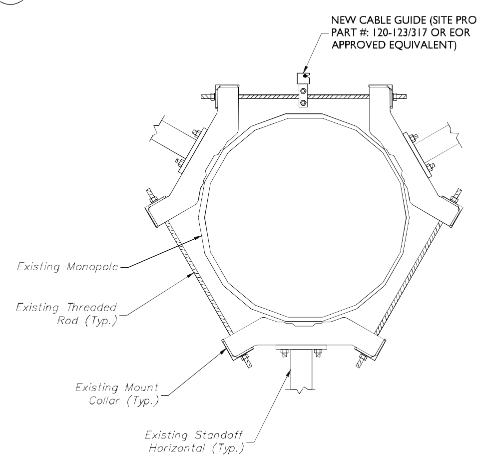
1 PROPOSED FRONT ELEVATION (TYP. ALL SECTORS)

SCALE : N.T.S.



2 PROPOSED PLAN VIEW

SCALE : N.T.S.



3 PROPOSED CABLE GUIDE THREADED ROD ATTACHMENT - PLAN VIEW

SCALE : N.T.S.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
4. CONNECT NEW MOUNT PIPE TO EXISTING FACE HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK2).

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SCALE:	JOB NUMBER:
AS SHOWN	21777331A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
0	6/9/2021	ISSUED FOR CONSTRUCTION	FAC	PMA

STATE OF CONNECTICUT DEJIAN XU No. 33733 LICENSED PROFESSIONAL ENGINEER

06/09/2021

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NEW HAVEN COUNTY

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

SHEET TITLE:
MODIFICATION DETAILS

SHEET NUMBER:
S-5

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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SCALE:	JOB NUMBER:
AS SHOWN	21777331A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
0	6/9/2021	ISSUED FOR CONSTRUCTION	FAC	PMA

STATE OF CONNECTICUT DEJIAN XU No. 33730 LICENSED PROFESSIONAL ENGINEER
06/09/2021

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2000 Midlantic Drive
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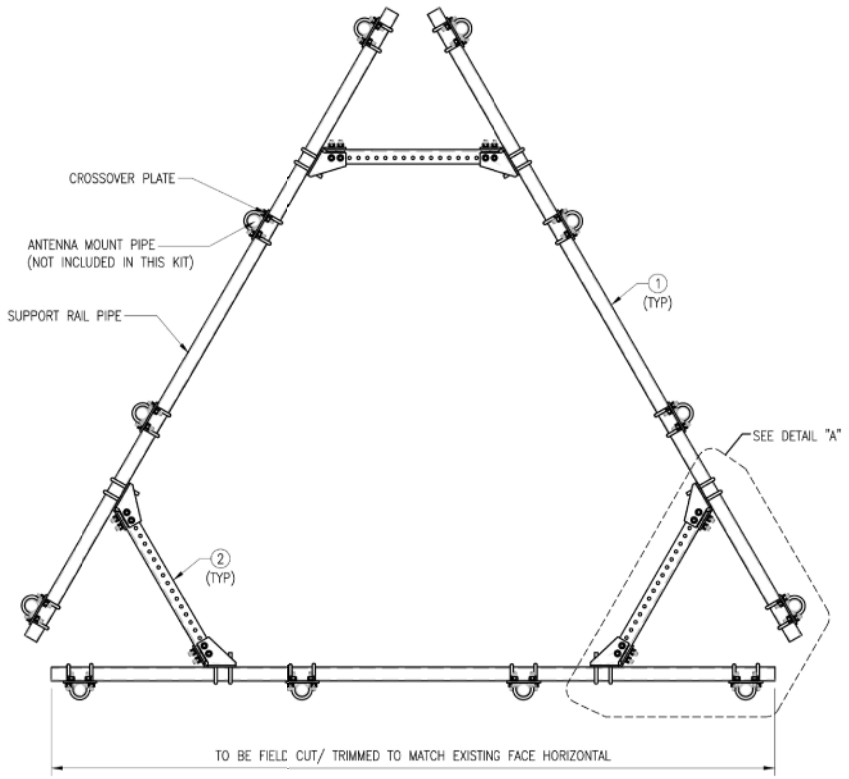
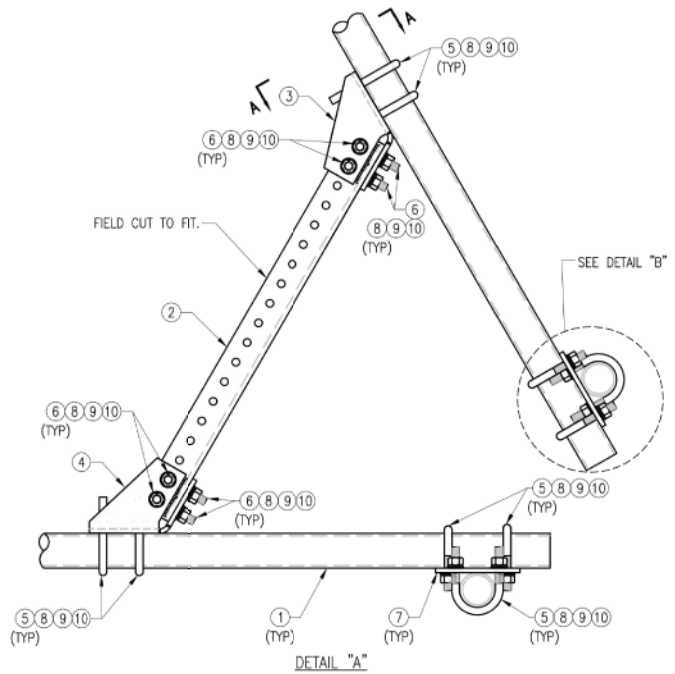
Fax: 856.722.1120

SHEET TITLE:
MOUNT PHOTOS

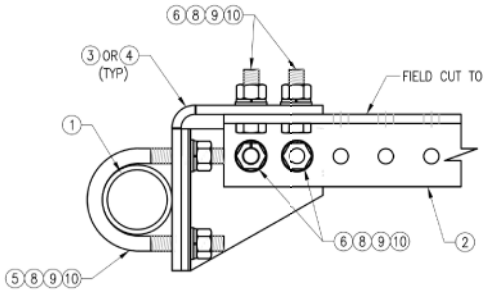
SHEET NUMBER:
S-6



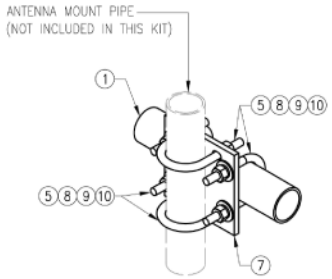
PLAN VIEW



DETAIL "A"



SECTION "A-A"



DETAIL "B"

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

VZW SMART-PLK1 (SUPPORT RAIL KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	PST2875-12.5	2.5" PST (2.875" O.D. X 0.203" THK.) X 12'-6" A53 GR-B	PLK1-F1	292
2	3	L33375-3	L 3" X 3" X 3/8" X 3'-0" A36	PLK1-F1	66
3	3	CBP-L	CORNER BENT PLATE BRACKET	PLK1-F2	28
4	3	CBP-R	CORNER BENT PLATE BRACKET	PLK1-F2	28
5	60	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	82
6	24	---	BOLT 5/8" X 2" A325	---	9
7	12	PL375-857	PL 3/8" X 8 1/2" X 7'-0" A36	PLK1-F3	77
8	144	FW-625	5/8" HDG USS FLAT WASHER	---	12
9	144	LW-625	5/8" HDG LOCK WASHER	---	3
10	144	NUT-625	5/8" HDG HEX NUT	---	17
				GALVANIZED WT	504

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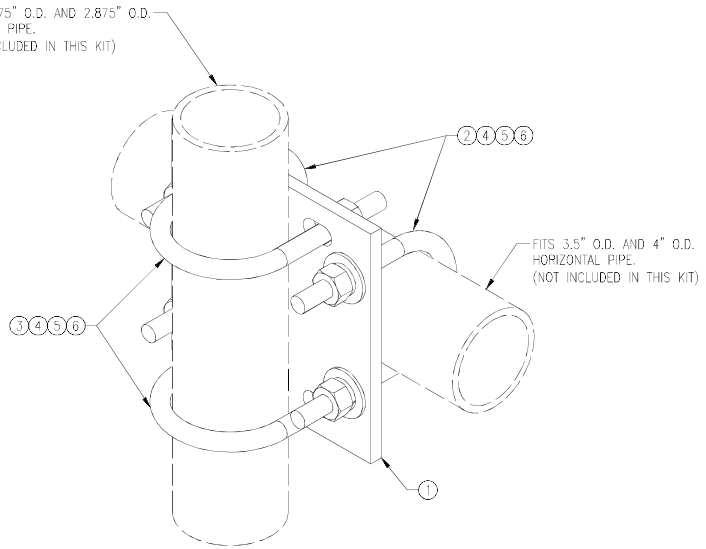
DRAWN BY: H.R | CHECKED BY: HMA

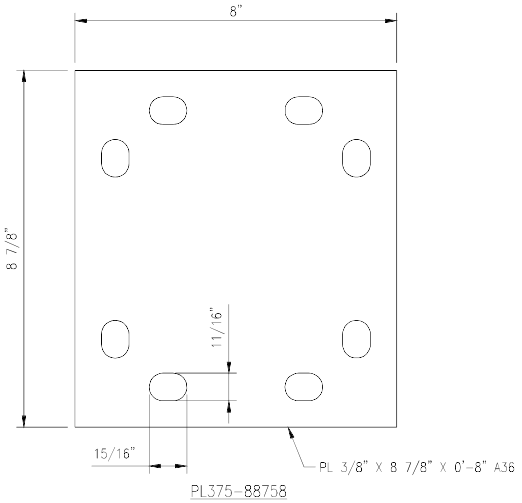
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART-PLK1
SUPPORT RAIL KIT

SHEET NUMBER: VZWSMART-PLK1

REV #: 0





PL375-88758

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

VZWSMART-MSK2 (CROSSOVER PLATE)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-88758	PL 3/8" X 8 3/4" X 0'-8" A36	MSK2-F1	8
2	2	MS02-625-4125-600	RU-BOLT 5/8" X 4 1/8" I.W. X 6" I.L. A36 (OR EQUIV.)	RBC-1	3
3	2	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	3
4	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
5	8	LW-625	5/8" HDG LOCK WASHER	---	0
6	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	15

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DRAWN BY: H.R | CHECKED BY: HMA

REV.	DESCRIPTION	BY:	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:

VZWSMART-MSK2
CROSSOVER PLATE

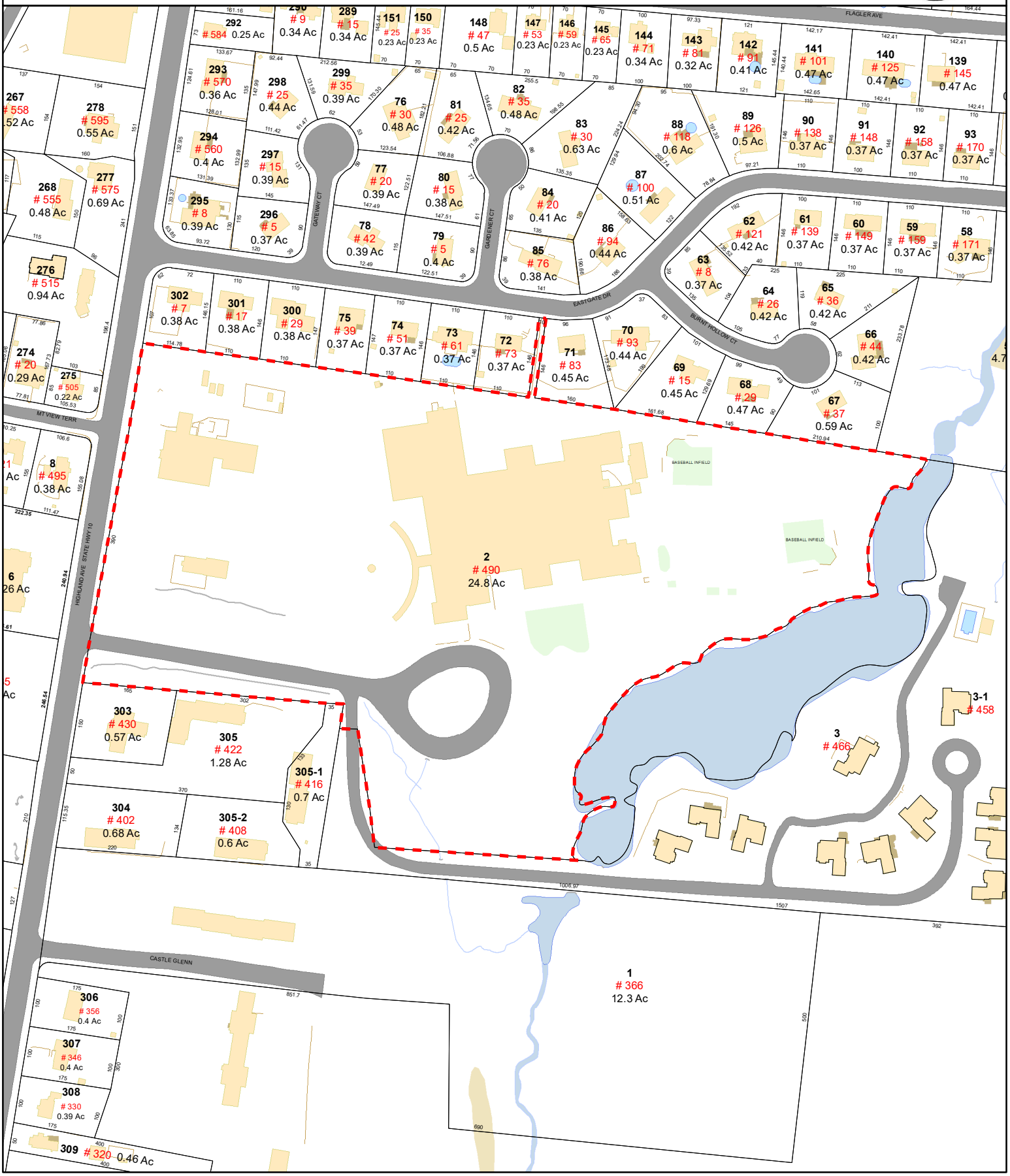
SHEET NUMBER: VZWSMART-MSK2

REV #: 0

ATTACHMENT 5

Town of Cheshire, Connecticut - Assessment Parcel Map

Parcel: 00478600 **Location: 490 HIGHLAND AVE**



Approximate Scale: 1 inch = 250 feet

0 130 260 390 520

Feet

Map Produced: July 2021

Disclaimer: This map is for informational purposes only All information is subject to verification by any user. The Town of Cheshire and its mapping contractors assume no legal responsibility for the information contained herein.

Town of Cheshire, CT

Property Listing Report

Map Block Lot	51 2	Building #	1	Unique Identifier	00478600

Property Information

Property Location	490 HIGHLAND AVE
Mailing Address	POLICE STATION CHESHIRE CT 06410
Land Use	Elementary School
Zoning Code	R-20A
Neighborhood	CHL-1

Owner	CHESHIRE TOWN OF
Co-Owner	HIGHLAND SCHOOL
Book / Page	169/ 675
Land Class	Commercial
Census Tract	3431
Acreage	24.8

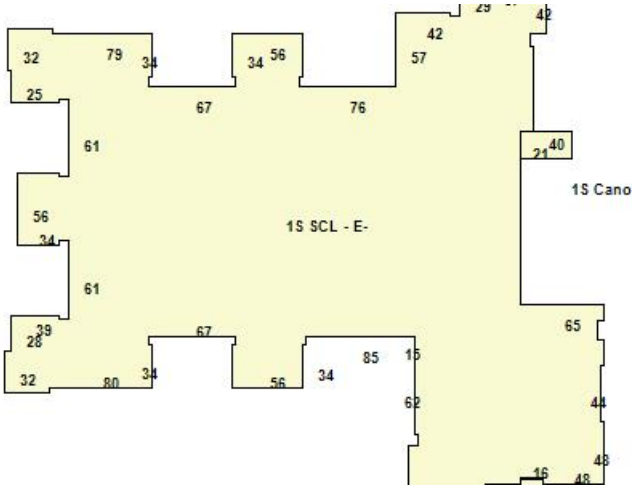
Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	17917074	12541950
Outbuildings	55211	38650
Land	2353916	1647740
Total	20326201	14228340

Utility Information

Electric	No
Gas	No
Sewer	No
Public Water	No
Well	No



Primary Construction Details

Year Built	1971
Building Desc.	Commercial
Building Style	
Stories	1.00
Exterior Walls	Stucco
Exterior Walls 2	
Interior Walls	Drywall
Interior Walls 2	
Interior Floors 1	Composite
Interior Floors 2	

Heating Fuel	Gas
Heating Type	FHA
AC Type	Central
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	
Occupancy	0

Building Use	Elementary School
Building Condition	Average
Frame Type	Good
Fireplaces	0
Bsmt Gar	0
Fin Bsmt Area	
Fin Bsmt Quality	
Building Grade	0
Roof Style	Flat
Roof Cover	Composite Built Up

Report Created On 9/17/2021

Town of Cheshire, CT

Property Listing Report | Map Block Lot 51 2 | Building # 1 | Unique Identifier 00478600

Detached Outbuildings

Type	Description	Area (sq ft)	Condition	Year Built
Paving	Paving	80000	Average	1988
Fencing	Fencing	2404	Average	1971
Utility	Building	240	Good	2004

Attached Extra Features

Type	Description	Area (sq ft)	Condition	Year Built
Porch	Open	208	Average	1971
Canopy	Metal	840	Average	1971

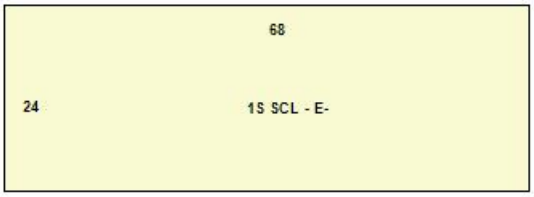
Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
CHESHIRE TOWN OF	169_ 675	3/8/2019	0

Report Created On 9/17/2021

Town of Cheshire, CT

Property Listing Report | Map Block Lot 51 2 | Building # 2 | Unique Identifier 00478600



Primary Construction Details

Year Built	1988
Building Desc.	Elementary School
Building Style	
Stories	1.00
Exterior Walls	Vertical Wood
Exterior Walls 2	
Interior Walls	Drywall
Interior Walls 2	
Interior Floors 1	Carpet
Interior Floors 2	

Heating Fuel	Electric
Heating Type	Electric Baseboard
AC Type	
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	
Occupancy	0

Building Use	Commercial
Building Condition	Average
Frame Type	Average
Fireplaces	0
Bsmt Gar	0
Fin Bsmt Area	
Fin Bsmt Quality	
Building Grade	0
Roof Style	Gable
Roof Cover	Asphalt

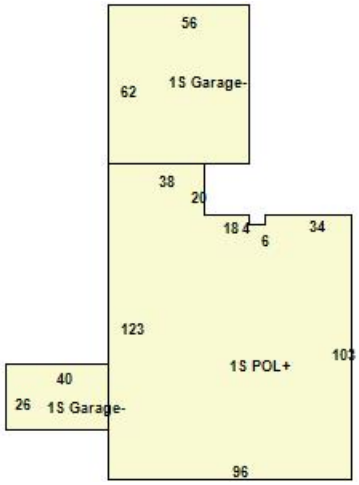
Attached Extra Features

Type	Description	Area (sq ft)	Condition	Year Built

Report Created On 9/17/2021

Town of Cheshire, CT

Property Listing Report | Map Block Lot 51 2 | Building # 3 | Unique Identifier 00478600



Primary Construction Details

Year Built	1971
Building Desc.	Jail - Police Station
Building Style	
Stories	1.00
Exterior Walls	B. V. Solid
Exterior Walls 2	
Interior Walls	Drywall
Interior Walls 2	
Interior Floors 1	Carpet
Interior Floors 2	

Heating Fuel	Gas
Heating Type	FHA
AC Type	Central
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	
Occupancy	0

Building Use	Commercial
Building Condition	Average
Frame Type	Average
Fireplaces	0
Bsmt Gar	0
Fin Bsmt Area	
Fin Bsmt Quality	
Building Grade	0
Roof Style	
Roof Cover	Asphalt

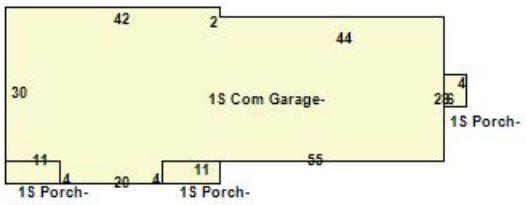
Attached Extra Features

Type	Description	Area (sq ft)	Condition	Year Built
Garage	Concrete Block/Frame	1040	Average	1992
Garage	Concrete Block/Frame	3472	Average	1971

Report Created On 9/17/2021

Town of Cheshire, CT

Property Listing Report | Map Block Lot 51 2 | Building # 4 | Unique Identifier 00478600



Primary Construction Details

Year Built	1987
Building Desc.	Commercial Garage
Building Style	
Stories	1.00
Exterior Walls	Concrete Block
Exterior Walls 2	
Interior Walls	
Interior Walls 2	
Interior Floors 1	
Interior Floors 2	

Heating Fuel	
Heating Type	
AC Type	
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	
Occupancy	0

Building Use	Commercial
Building Condition	Average
Frame Type	Average
Fireplaces	0
Bsmt Gar	0
Fin Bsmt Area	
Fin Bsmt Quality	
Building Grade	0
Roof Style	
Roof Cover	

Attached Extra Features

Type	Description	Area (sq ft)	Condition	Year Built
Porch	Open	44	Average	1987
Porch	Open	44	Average	1987
Porch	Open	24	Average	1987

Report Created On 9/17/2021

ATTACHMENT 6

CHESHIRE NE

UNITED STATES POSTAL SERVICE®

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 09/20/2021 US POSTAGE $002.99⁰ ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

OLD STATE HOUSE STATION 06106 SEP 20 2021 US

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Sean Kimball, Town Manager Town of Cheshire 84 South Main Street Cheshire, CT 06410				
2.	William Voelker, Town Planner Town of Cheshire 84 South Main Street Cheshire, CT 06410				
3.					
4.					
5.					
6.					