Robinson+Cole

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

Also admitted in Massachusetts
and New York

July 12, 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**
Berlin Volunteer Fire Department
1657 Berlin Turnpike, Berlin, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. The tower was approved by the Town of Berlin ("Town") in September 2002. Cellco's shared use of the tower was approved by the Council in March 2006 (EM-VER-123-007-010-099-060308). A copy of the Town's approval and Cellco's EM approval are included in Attachment 1.

Cellco now intends to modify its facility by replacing nine (9) existing antennas with three (3) new Samsung MT6407-77A antennas, six (6) NHH-65B-R2B antennas and replacing six (6) remote radio heads ("RRHs") with six (6) new RRHs all on Cellco's existing antenna platform. A set of project plans showing Cellco's proposed facility modifications and new antennas and RRHs specifications are included in Attachment 2.

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

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

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

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

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

4. The installation of Cellco's new antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative 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. Also included in Attachment 4 is a separate letter from the consulting engineer responsible for the preparation of the MA verifying that the antenna model described in the MA, as a Licensed Sub 6 Antenna, is the Samsung 64T64R model antenna.

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

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Arosha Jayawickrema, Town Manager for the Town of Berlin
Maureen Giusti, Berlin Acting Town Planner/Zoning Enforcement Officer
Berlin Volunteer Fire Department, the Property Owner
Aleksey Tyurin

ATTACHMENT 1

PROP NO. 101290 PERMIT NO. B 3786

TOWN OF BERLIN

240 Kensington Road
Berlin, CT. 06037

Nicholas G. Chirico
(860) 828-7012

BUILDING PERMIT

LOCATION: 1657 WILBUR CROSS HWY
OWNER..... BERLIN VOLUNTEER FIRE DEPT
PERMIT ISSUED TO:

RED/ SPRINT PCS/ M. ROGAN
637 WILBUR CR HWY

BERLIN, CT. 06037
250-0356

TENANT:
HOME OWNER ADDRESS:

BERLIN VOLUNTEER FIRE DEPT
1657 WILBUR CR HWY

BERLIN, CT. 06037

Build (use#:	437	AAC: NonRes	EST. VALUE:	0		Issue Date:	9/26/2002
Prop Type:	COMM	Commercial	BLDG PRMT:	B	3786	Application Date:	9/19/2002
Prop Class:	PRIV	Priv Owned					
Bldg Type:	41	Comm Tower					
Bldg Frame:	3	Metal Fr					
No. Buildings:	1						
No. Res/Units:	1						

Distance E Side:
Distance W Side:
Distance S Side:
Distance N Side:

Comments.....

INSTALLATION OF COMMUNICATION TOWER, RAISED STEEL DECK & RELATED EQUIPMENT, AT BERLIN FIRE DEPT. HEADQUARTERS.

Receipt

TOTAL RECEIPTS:

TOTAL AMOUNT

Building Inspection Division

Inspector: Nicholas G. Chirico

Permission must be obtained from the Engineering Division before Building Material can be placed in the highway. Surface or subsurface drains, roof drains and sump pumps must not be connected with the sanitary 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

March 24, 2006

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

RE: **EM-VER-123-007-010-099-060308** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify existing telecommunications facilities located at 165 Huntington Road, Scotland; 1657 Wilbur Cross Parkway, Berlin; 310 Watertown Road, Bethlehem; and 88 Parsonage Hill Road, Northford (North Branford), Connecticut.

Dear Attorney Baldwin:

At a public meeting held on March 22, 2006, the Connecticut Siting Council (Council) acknowledged your notice to modify these existing telecommunications facilities, 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 March 8, 2006, including the placement of all necessary equipment and shelters within the tower compounds. 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 existing facility sites that would not increase tower heights, extend the boundaries of the tower sites, increase noise levels at the tower site boundaries by six decibels, and increase the total radio frequencies electromagnetic radiation power densities measured at the tower site boundaries to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. These facilities have also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on these towers.

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 any of these facilities 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/laf

See Attached List.

I:\siting\forms\exmod\emdcltr.doc

CSC
CONNECTICUT SITING COUNCIL

List Attachment.

c: The Honorable Adam P. Salina, Mayor, Town of Berlin
Hellyn Riggins, Town Planner, Town of Berlin
The Honorable Leo S. Bulvanoski, First Selectman, Town of Bethlehem
Jeffrey Hamel, Chairman, Planning and Zoning, Town of Bethlehem
The Honorable Andrew Esposito III, Mayor, Town of North Branford
Carol Zeeb, Town Planner, Town of North Branford
The Honorable Elizabeth A. Wilson, First Selectman, Town of Scotland
Carl S. Fontneau, Town Planner, Town of Scotland
Berlin Fire Department
Jean Szwabowski, Ochenknowski Towers LLC
Sheila R. Becker, Regional Director of Compliance, SBA, Inc.
Christopher B. Fisher, Esq., Cuddy & Feder LLP
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP
Michele G. Briggs, New Cingular Wireless PCS, LLC
Christine Farrell, T-Mobile, Inc.
Thomas F. Flynn III, Nextel Communications, Inc.

ATTACHMENT 2

verizon

WIRELESS COMMUNICATIONS FACILITY

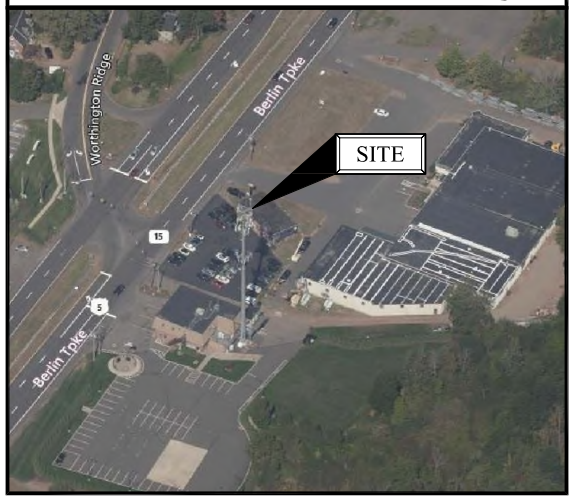
SITE NAME:
BERLIN 4 CT

BERLIN VOLUNTEER FIRE DEPT.
1657 BERLIN TPKE.
BERLIN, CT 06037

ANTENNA MODIFICATION

PROJECT SUMMARY	
SITE NAME:	BERLIN 4 CT
SITE ADDRESS:	1657 BERLIN TPKE. BERLIN, CT 06037
PROPERTY OWNER:	BERLIN VOLUNTEER FIRE DEPT. 1657 BERLIN TPKE. BERLIN, CT 06037
TOWER OWNER/MGMT:	VERTICAL NETWORK MGMT. SITE # 050001
PARCEL ID:	22-1-141-17
COORDINATES:	41° 36' 22.3812" N 72° 44' 58.8696" W
VERIZON WIRELESS CONSTRUCTION:	WALTER CHARCZYNSKI (860) 306-1806
VERIZON WIRELESS REAL ESTATE:	ALEX TYURIN (860) 550-3195

AERIAL MAP



SHEET INDEX	
DE-1	TITLE SHEET
DE-2	SITE LAYOUT & ELEVATION
DE-3	ANTENNA PLANS & ELEVATION
DE-4	RF PLUMBING DIAGRAM & B.O.M.
DE-5	GENERAL CONSTRUCTION NOTES

verizon
WIRELESS COMMUNICATIONS FACILITY
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

On Air Engineering, LLC
88 Foundry Pond Road
Cold Spring, NY 10516
201-456-4624
onair@optonline.net

LICENSURE

STATE OF CONNECTICUT
DAVID A. WEINPAHL
NO. 22144
LICENSED PROFESSIONAL ENGINEER

DAVID WEINPAHL, P.E.
CT LIC NO. 22144

SUBMITTALS

NO	DATE	DESCRIPTION
0	02.05.21	REVIEW

DRAWN BY:	MF
CHECKED BY:	DW

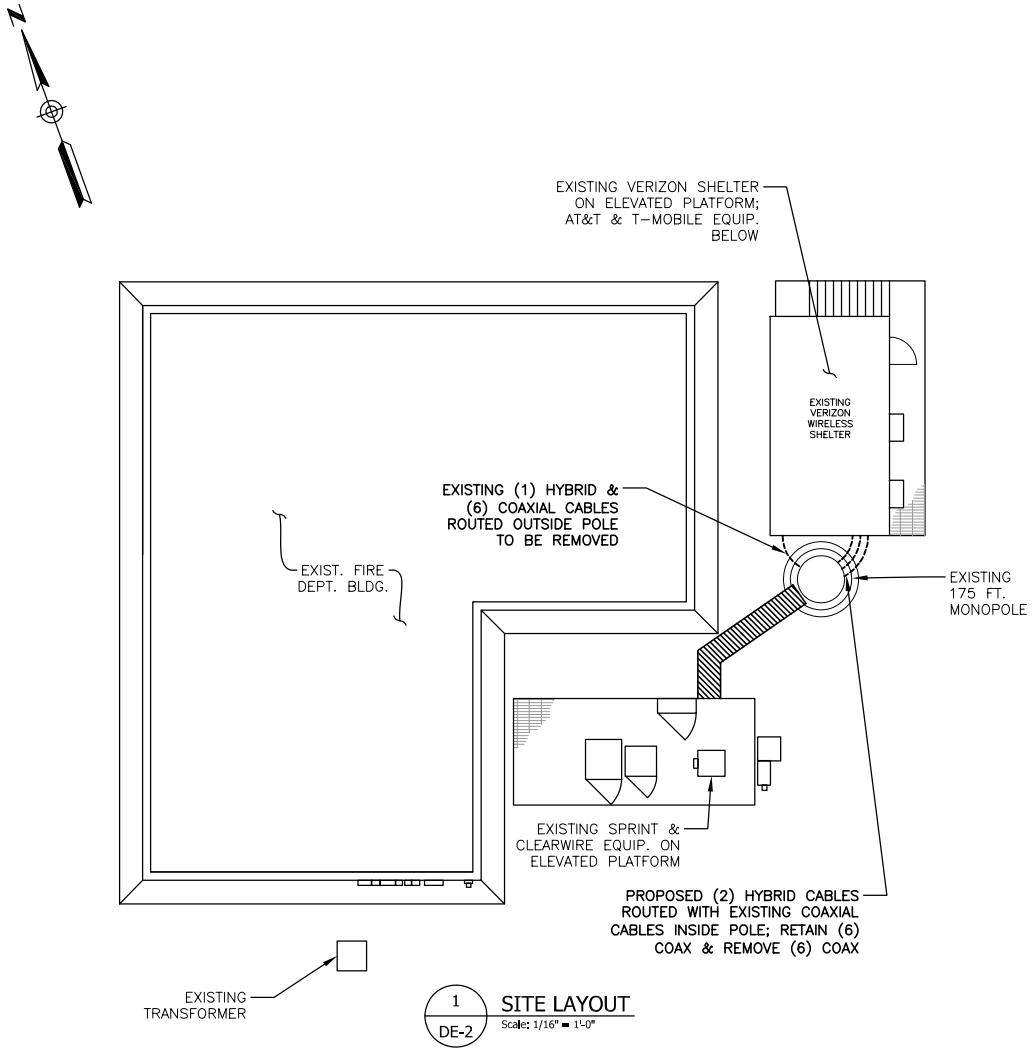
PROJECT NAME:
ANTMO
VZS01-850-LTE-PCS
DESIGN EXHIBITS

SITE NAME:
BERLIN 4 CT

SITE ADDRESS:
BERLIN VOLUNTEER FIRE DEPT.
1657 BERLIN TPKE.
BERLIN, CT 06037

SHEET TITLE:
TITLE SHEET

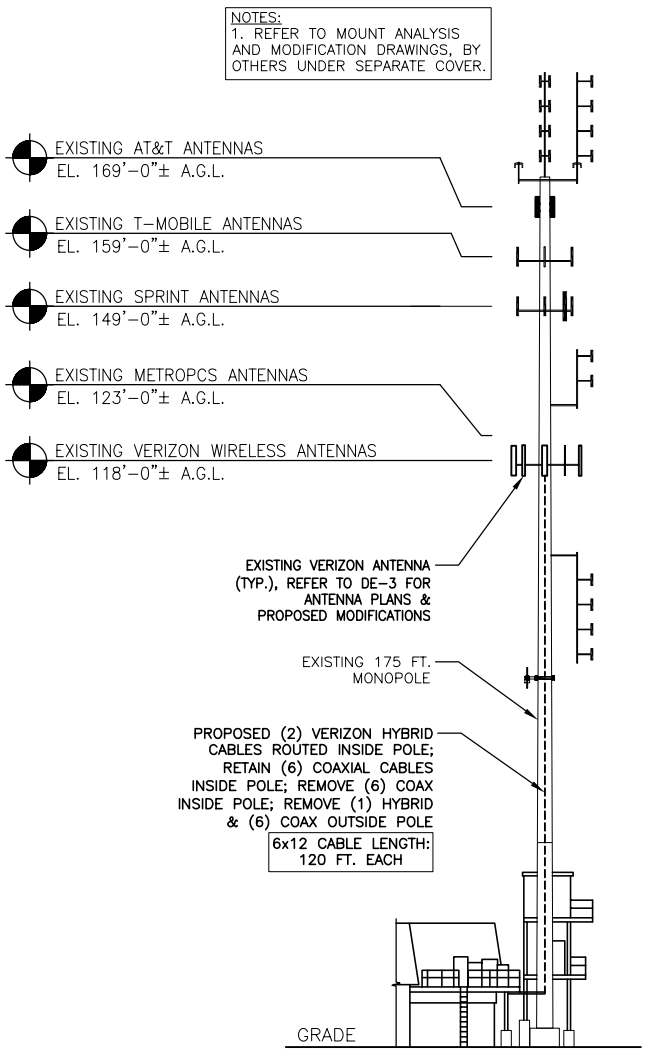
SHEET NUMBER:
DE-1



1 DE-2 SITE LAYOUT
Scale: 1/16" = 1'-0"

NOTES:
1. COMPOUND PLAN IS COMPILED FROM EXISTING DRAWINGS ON FILE WITH THE CT SITING COUNCIL AND A LIMITED DESIGN VISIT ON 11-03-20 FOR A PROPOSED VERIZON ANTENNA MODIFICATION.
2. PLANS ARE DIAGRAMMATIC ONLY AND NOT TO BE SCALED.
3. REFER TO STRUCTURAL TOWER AND MOUNT ANALYSIS REPORTS, BY OTHERS UNDER SEPARATE COVER, FOR ANY REQUIRED TOWER & MOUNT REINFORCEMENTS, WHICH MUST BE PERFORMED PRIOR TO ANY OTHER VERIZON ANTENNA MODIFICATIONS.

NOTES:
1. REFER TO MOUNT ANALYSIS AND MODIFICATION DRAWINGS, BY OTHERS UNDER SEPARATE COVER.



2 DE-2 ELEVATION
Scale: 1" =25'

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WIRELESS COMMUNICATIONS FACILITY

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BERLIN 4 CT

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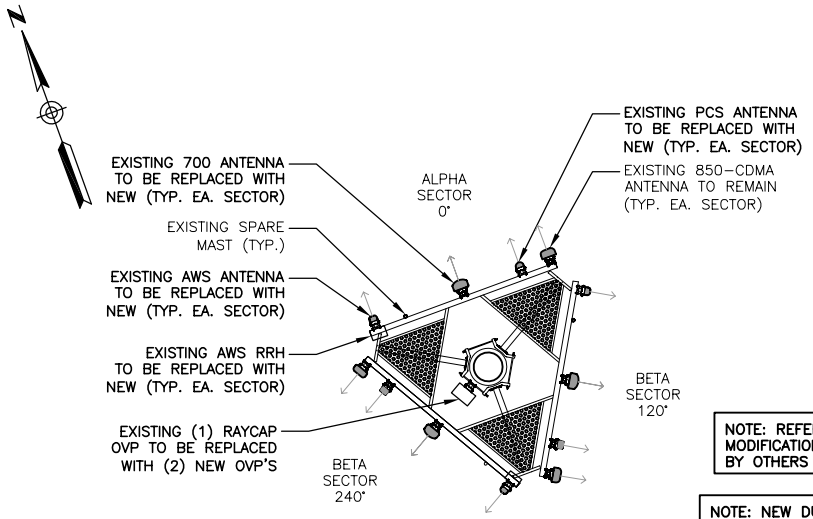
1657 BERLIN TPKE.
BERLIN, CT 06037

SHEET TITLE:
SITE LAYOUT
& ELEVATION

SHEET NUMBER:
DE-2

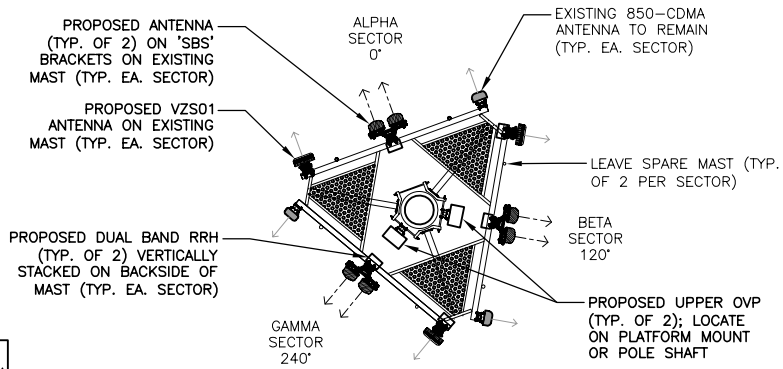


1 DE-3 ANTENNA PLAN @ 118 FT. - EXISTING

Scale: 1/8" = 1'-0"

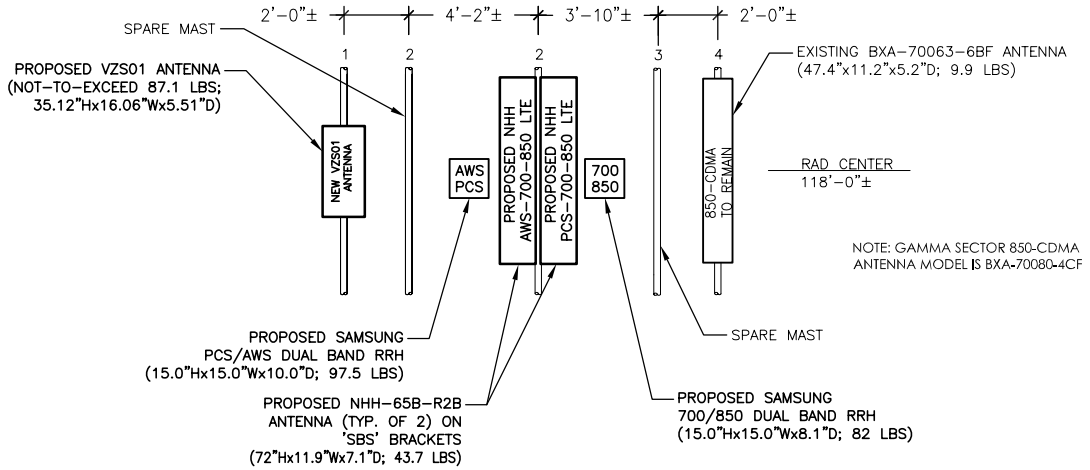
NOTE: REFER TO MOUNT MODIFICATION DRAWING BY OTHERS

NOTE: NEW DUAL RRH LOCATIONS SHOWN BASED ON MOUNT ANALYSIS BY OTHERS



2 DE-3 ANTENNA PLAN @ 118 FT. - PROPOSED

Scale: 1/8" = 1'-0"



SECTOR VIEWED FROM THE REAR

3 DE-3 ANTENNA ELEVATION (TYP.) - PROPOSED

Scale: 1/4" = 1'-0"

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DAVID WEINPAHL, P.E.
CT LIC NO. 22144

SUBMITTALS

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ANTMO
VZS01-850-LTE-PCS
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SITE NAME:

BERLIN 4 CT

SITE ADDRESS:

BERLIN VOLUNTEER FIRE DEPT.
1657 BERLIN TPKE.
BERLIN, CT 06037

SHEET TITLE:

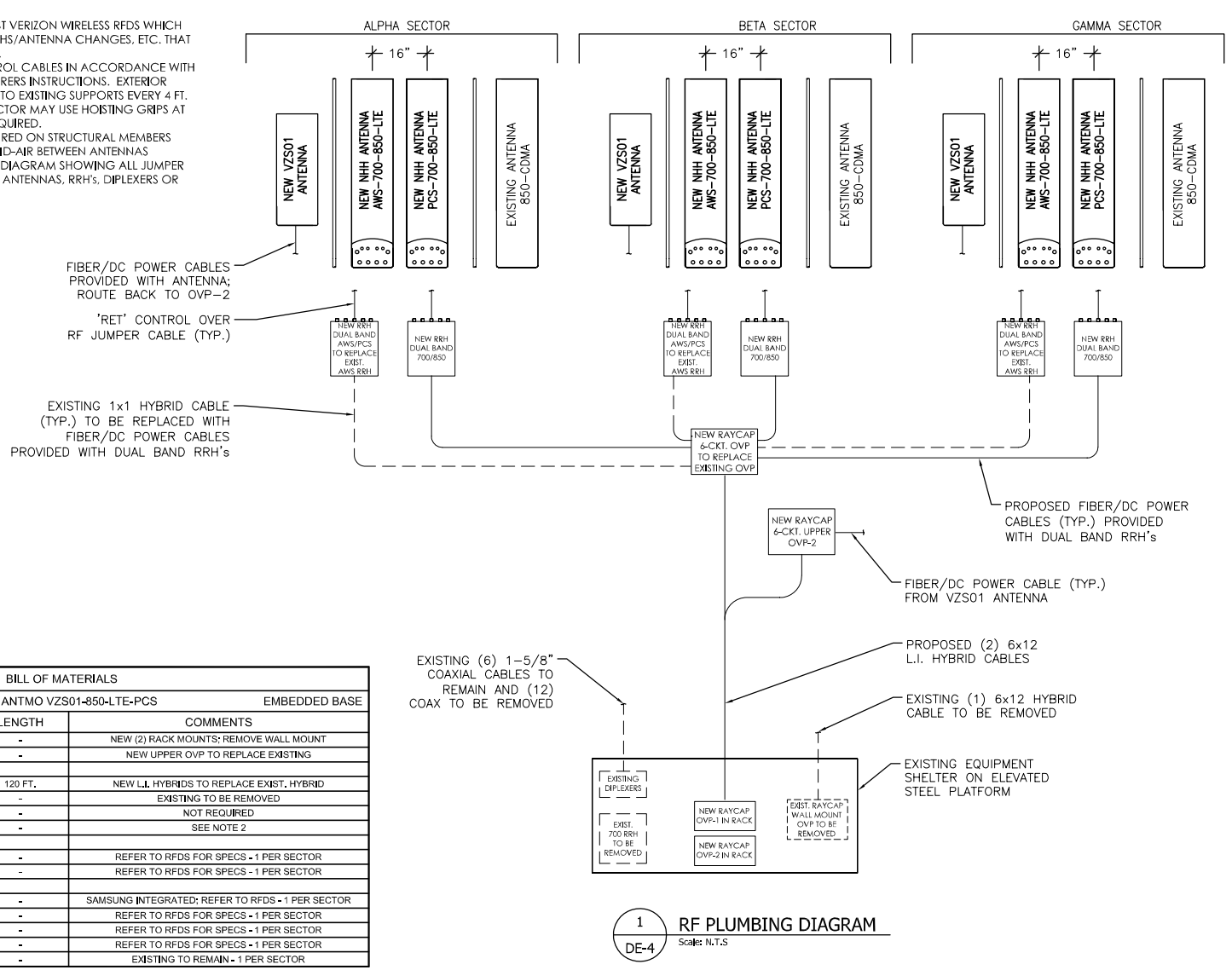
ANTENNA PLANS & ELEVATIONS

SHEET NUMBER:

DE-3

GENERAL NOTES:

1. CONTRACTOR SHALL REFER TO THE LATEST VERIZON WIRELESS RFDS WHICH MAY INCLUDE ANTENNA SECTOR AZIMUTHS/ANTENNA CHANGES, ETC. THAT ARE REQUIRED AS PART OF THE PROJECT.
2. CONTRACTOR SHALL SECURE ALL CONTROL CABLES IN ACCORDANCE WITH INDUSTRY STANDARDS AND MANUFACTURERS INSTRUCTIONS. EXTERIOR CABLES MAY BE TAPED OR TIE-WRAPPED TO EXISTING SUPPORTS EVERY 4 FT. MAX. FOR HORIZONTAL RUNS. CONTRACTOR MAY USE HOISTING GRIPS AT TOP OF VERTICAL CABLE RUNS WHEN REQUIRED.
3. ALL CABLES SHALL BE ROUTED AND SECURED ON STRUCTURAL MEMBERS ONLY - DO NOT "LOOP" THE CABLES IN MID-AIR BETWEEN ANTENNAS
4. REFER TO RFDS FOR DETAILED PLUMBING DIAGRAM SHOWING ALL JUMPER AND OTHER CABLING CONNECTIONS AT ANTENNAS, RRH's, DIPLEXERS OR OTHER DEVICES.



1 DE-4 RF PLUMBING DIAGRAM
Scale: N.T.S

BILL OF MATERIALS			
SITE NAME: BERLIN 4 CT	ANTMO VZS01-850-LTE-PCS		EMBEDDED BASE
DESCRIPTION	QTY	LENGTH	COMMENTS
LOWER OVP	2	-	NEW (2) RACK MOUNTS; REMOVE WALL MOUNT
6-CKT. UPPER OVP	2	-	NEW UPPER OVP TO REPLACE EXISTING
6x12 HYBRID CABLE	2	120 FT.	NEW L.I. HYBRIDS TO REPLACE EXIST. HYBRID
1x1 HYBRID CABLE	-	-	EXISTING TO BE REMOVED
RET CONTROL CABLE	-	-	NOT REQUIRED
1/2" JUMPERS	-	-	SEE NOTE 2
AWS/PCS DUAL BAND RRH	3	-	REFER TO RFDS FOR SPECS - 1 PER SECTOR
700/850 DUAL BAND RRH	3	-	REFER TO RFDS FOR SPECS - 1 PER SECTOR
VZS01 ANTENNA	3	-	SAMSUNG INTEGRATED; REFER TO RFDS - 1 PER SECTOR
NHH ANTENNA - AWS/700/850-LTE	3	-	REFER TO RFDS FOR SPECS - 1 PER SECTOR
NHH ANTENNA - PCS/700/850-LTE	3	-	REFER TO RFDS FOR SPECS - 1 PER SECTOR
SBS BRACKETS	3	-	REFER TO RFDS FOR SPECS - 1 PER SECTOR
850-CDMA ANTENNA	-	-	EXISTING TO REMAIN - 1 PER SECTOR

NOTES:
1. ITEMS SHOWN ARE FOR MAJOR DESIGN ELEMENTS ONLY. REFER TO VERIZON WIRELESS RFDS FOR ALL MANUFACTURER PART NUMBERS AND ACCESSORY ITEMS REQUIRED FOR A COMPLETE INSTALLATION.
2. CONTRACTOR SHALL DETERMINE AND PROVIDE ALL REQUIRED PRE-FAB JUMPER QUANTITIES AND LENGTHS, KEEPING ALL LENGTHS TO A MINIMUM.

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WIRELESS COMMUNICATIONS FACILITY

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WALLINGFORD, CT 06492

On Air Engineering, LLC
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DAVID WEINPAHL, P.E.
CT LIC NO. 22144

SUBMITTALS

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CHECKED BY:	DW

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VZS01-850-LTE-PCS
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SITE NAME:
BERLIN 4 CT

SITE ADDRESS:
BERLIN VOLUNTEER FIRE DEPT.
1657 BERLIN TPKE.
BERLIN, CT 06037

SHEET TITLE:
RF PLUMBING DIAGRAM & B.O.M.

SHEET NUMBER:
DE-4

GENERAL CONSTRUCTION NOTES:

1. CONTRACTOR SHALL NOT COMMENCE ANY WORK UNTIL HE OBTAINS, AT HIS OWN EXPENSE, ALL INSURANCE REQUIRED BY *CELLCO PARTNERSHIP d/b/a VERIZON, THE PRO*PERTY OWNER AND/OR PROPERTY MANAGEMENT COMPANY.

2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS AND ALL LOCAL LAWS AND REGULATIONS, CURRENT EDITIONS.

3. CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

4. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXISTING CONDITIONS AT THE SITE PRIOR TO FABRICATION AND/OR INSTALLATION OF ANY WORK IN THE CONTRACT AREA AND SUBMIT TO THE ENGINEER ANY DISCREPANCIES FROM THE DRAWINGS.

5. CONTRACTOR IS TO REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENT SET. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE SET OF DRAWINGS. CONTRACTOR SHALL PROVIDE A COMPLETE SET OF DRAWINGS TO ALL SUB-CONTRACTORS AND ALL RELATED PARTIES. THE SUB-CONTRACTORS SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INFORMATION THAT AFFECTS THEIR WORK.

6. CONTRACTOR SHALL PROVIDE A COMPLETE BUILD-OUT WITH ALL FINISHES, STRUCTURAL, MECHANICAL AND ELECTRICAL COMPONENTS AND PROVIDE ALL ITEMS AS SHOWN OR INDICATED ON DRAWINGS OR WRITTEN IN SPECIFICATIONS.

7. CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK AND FURNISH A COMPLETED JOB IN ACCORDANCE WITH LOCAL AND STATE GOVERNING AUTHORITIES AND OTHER AUTHORITIES HAVING LAWFUL JURISDICTION OVER THE WORK.

8. CONTRACTOR SHALL OBTAIN AT HIS OWN EXPENSE ALL PERMITS AND ALL INSPECTIONS REQUIRED FROM FEDERAL AND STATE GOVERNMENTS, COUNTIES, MUNICIPALITIES AND OTHER REGULATORY AGENCIES WHICH MAY BE REQUIRED FOR THE PROJECT.

10. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.

11. ALL MATERIAL PROVIDED BY *CELLCO PARTNERSHIP d/b/a VERIZON IS TO BE* REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUB-CONTRACTOR PRIOR TO INSTALLATION. ANY DEFICIENCIES TO PROVIDED MATERIALS SHALL BE BROUGHT TO THE CONSTRUCTION MANAGERS ATTENTION IMMEDIATELY.

12. THE MATERIALS INSTALLED IN THE WORK SHALL MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. NO SUBSTITUTIONS ARE ALLOWED.

13. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION, FOR SEQUENCES AND PROCEDURES TO BE USED, AND TO ENSURE THE SAFETY OF THE EXISTING BUILDING AND ITS COMPONENT DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY.

14. CONTRACTOR SHALL COORDINATE ALL CIVIL, STRUCTURAL AND ELECTRICAL DRAWINGS FOR THE LOCATION OF ALL OPENINGS, RECESSES, BUILT-IN WORK, ETC.

15. CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.

16. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ALL PRODUCTS OR ITEMS NOTED AS "EXISTING" WHICH ARE NOT FOUND TO BE IN THE FIELD.

17. ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMEN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST-ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.

18. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS, AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL O.S.H.A REQUIREMENTS.

19. CONTRACTOR SHALL COORDINATE HIS WORK AND SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROPERTY OWNER AND/OR PROPERTY MANAGEMENT COMPANY.

20. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.

21. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OR WHERE LOCAL CODES OR REGULATIONS MAY TAKE PRECEDENCE.

22. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACES, EQUIPMENT, IMPROVEMENTS, PIPING, ANTENNA AND ANTENNA CABLES AND REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.

23. CONTRACTOR SHALL REPAIR ALL EXISTING SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND WITH ADJACENT SURFACES.

24. CONTRACTOR SHALL KEEP CONTRACT AREA CLEAN, HAZARD FREE AND DISPOSE OF ALL DEBRIS AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITIONS AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.

25. BEFORE FINAL ACCEPTANCE OF THE WORK, CONTRACTOR SHALL REMOVE ALL EQUIPMENT, TEMPORARY WORKS, UNUSED AND USELESS MATERIALS, RUBBISH AND TEMPORARY STRUCTURES.

verizon

WIRELESS COMMUNICATIONS FACILITY

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DAVID WEINPAHL, P.E.
CT LIC NO. 22144

SUBMITTALS

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1657 BERLIN TPKE.
BERLIN, CT 06037

SHEET TITLE:

GENERAL
CONSTRUCTION
NOTES

SHEET NUMBER:

DE-5

SAMSUNG

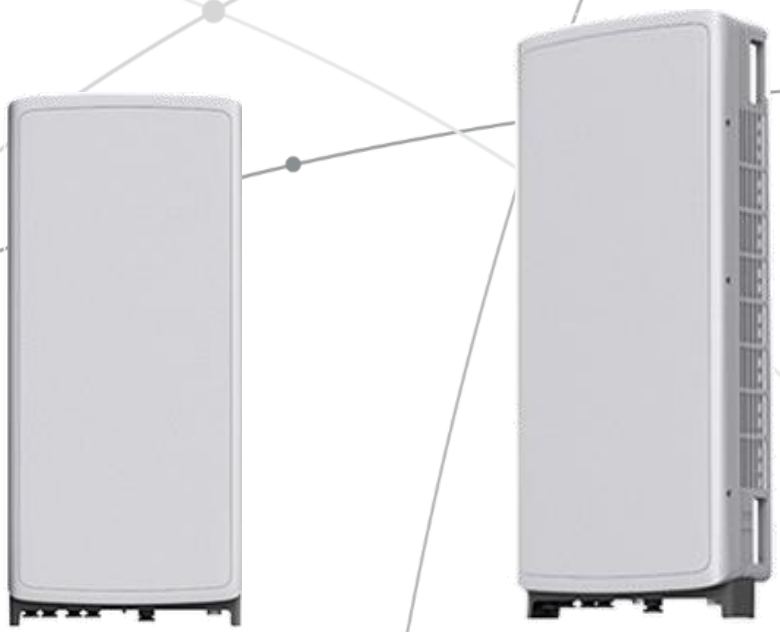
SAMSUNG

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

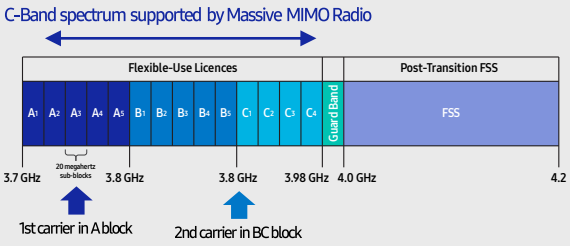


Points of Differentiation

Wide Bandwidth

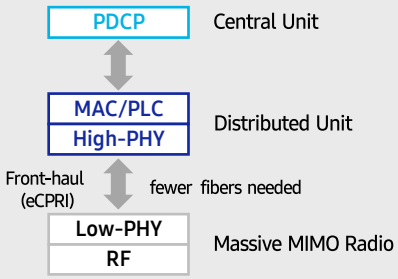
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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.

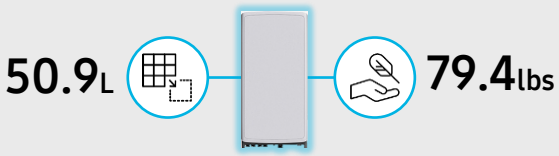
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

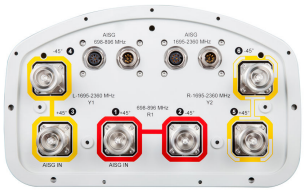
SAMSUNG

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

NHH-65B-R2B



6-port sector antenna, 2x 698–896 and 4x 1695–2360 MHz, 65° HPBW, 2x RET. Both high bands share the same electrical tilt.

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

General Specifications

Antenna Type	Sector
Band	Multiband
Color	Light gray
Effective Projective Area (EPA), frontal	0.26 m^2 | 2.799 ft^2
Effective Projective Area (EPA), lateral	0.22 m^2 | 2.368 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
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, high band	4
RF Connector Quantity, low band	2
RF Connector Quantity, total	6

Remote Electrical Tilt (RET) Information, General

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

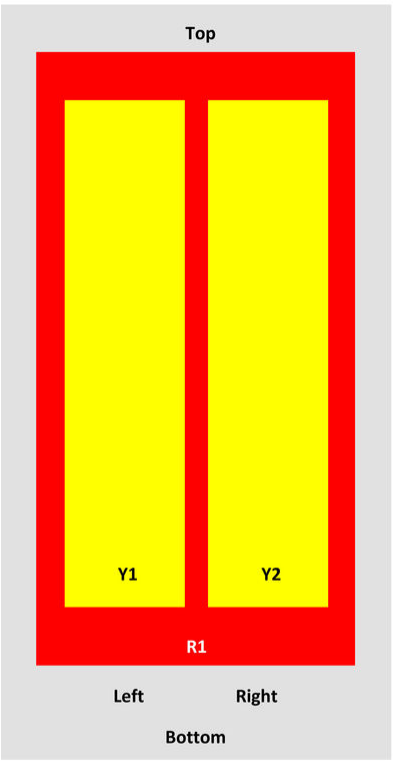
Dimensions

Width	301 mm | 11.85 in
Length	1828 mm | 71.969 in
Depth	180 mm | 7.087 in

Array Layout

NHH-65B-R2B

NHH



Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	698-896	1-2	1	ANxxxxxxxxxxxxxxx1
Y1	1695-2360	3-4	2	ANxxxxxxxxxxxxxxx2
Y2	1695-2360	5-6		

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 – 896 MHz
Total Input Power, maximum	900 W @ 50 °C

Remote Electrical Tilt (RET) Information, Electrical

Protocol	3GPP/AISG 2.0 (Single RET)
Power Consumption, idle state, maximum	2 W
Power Consumption, normal conditions, maximum	13 W
Input Voltage	10–30 Vdc
Internal Bias Tee	Port 1 | Port 3
Internal RET	High band (1) | Low band (1)

NHH-65B-R2B

Electrical Specifications

Frequency Band, MHz	698–806	806–896	1695–1880	1850–1990	1920–2200	2300–2360
Gain, dBi	14.9	15	17.7	17.9	18.4	18.7
Beamwidth, Horizontal, degrees	65	60	71	69	64	57
Beamwidth, Vertical, degrees	12.4	11.2	5.7	5.2	4.9	4.6
Beam Tilt, degrees	0–14	0–14	0–7	0–7	0–7	0–7
USLS (First Lobe), dB	13	14	18	18	19	18
Front-to-Back Ratio at 180°, dB	30	29	31	30	29	31
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	300	300	300	300	300	300

Electrical Specifications, BASTA

Frequency Band, MHz	698–806	806–896	1695–1880	1850–1990	1920–2200	2300–2360
Gain by all Beam Tilts, average, dBi	14.5	14.5	17.3	17.7	18.1	18.5
Gain by all Beam Tilts Tolerance, dB	±0.6	±1.1	±0.4	±0.4	±0.5	±0.3
Gain by Beam Tilt, average, dBi	0 ° | 14.4 7 ° | 14.6 14 ° | 14.3	0 ° | 14.7 7 ° | 14.7 14 ° | 14.1	0 ° | 17.2 4 ° | 17.3 7 ° | 17.3	0 ° | 17.6 4 ° | 17.7 7 ° | 17.7	0 ° | 18.0 4 ° | 18.2 7 ° | 18.1	0 ° | 18.3 4 ° | 18.5 7 ° | 18.6
Beamwidth, Horizontal Tolerance, degrees	±2	±2.1	±3	±4.1	±6.5	±2.9
Beamwidth, Vertical Tolerance, degrees	±0.7	±0.7	±0.3	±0.2	±0.3	±0.2
USLS, beampeak to 20° above beampeak, dB	13	14	16	16	17	15
Front-to-Back Total Power at 180° ± 30°, dB	23	22	27	27	25	25
CPR at Boresight, dB	22	21	23	23	22	19
CPR at Sector, dB	10	7	16	13	11	4

Material Specifications

Radiator Material	Low loss circuit board

NHH-65B-R2B

Reflector Material	Aluminum

Mechanical Specifications

Wind Loading at Velocity, frontal	278.0 N @ 150 km/h | 63.6 lbf @ 150 km/h
Wind Loading at Velocity, lateral	230.0 N @ 150 km/h | 51.7 lbf @ 150 km/h
Wind Loading at Velocity, maximum	120.7 lbf @ 150 km/h | 537.0 N @ 150 km/h
Wind Speed, maximum	241 km/h | 149.75 mph

Packaging and Weights

Width, packed	409 mm | 16.102 in
Depth, packed	299 mm | 11.772 in
Length, packed	1952 mm | 76.85 in
Net Weight, without mounting kit	19.8 kg | 43.651 lb
Weight, gross	32.3 kg | 71.209 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant

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

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

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

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

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

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

Features and Benefits

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

Key Technical Specifications

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

SAMSUNG

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

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

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

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

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

Features and Benefits

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

Key Technical Specifications

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

ATTACHMENT 3

	General	Power	Density					
Site Name: Berlin 4								
Tower Height: Verizon @ 118ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**CALC. POWER DENS**	**FREQ.**	**MAX. PERMISS. EXP.**	**FRACTION MPE**	**Total**
*Police Channel	1	200	180	809	0.0024	0.5393	0.04%	
*Fire Main	1	100	180	154	0.0012	0.2000	0.06%	
*Fire Intercity	1	30	100	154	0.0012	0.2000	0.06%	
*Highway	1	50	160	156	0.0008	0.2000	0.04%	
*Fire Ground	1	5	130	156	0.0001	0.2000	0.01%	
*SP Hotline	1	81	180	45	0.0010	0.2000	0.05%	
*RAFS	1	30	180	465	0.0004	0.3100	0.01%	
*960 Link	1	21	100	960	0.0008	0.6400	0.01%	
*Sprint	1	438	150	850	0.0076	0.5667	0.13%	
*Sprint	2	438	150	850	0.0152	0.5667	0.27%	
*Sprint	5	623	150	1900	0.0540	1.0000	0.54%	
*Sprint	2	1556	150	1900	0.0540	1.0000	0.54%	
*Sprint	8	778	150	2500	0.1079	1.0000	1.08%	
*Clearwire	2	153	150	2496	0.0053	1.0000	0.05%	
*Clearwire	1	211	150	11 GHz	0.0037	1.0000	0.04%	
*AT&T-UMTS	2	419	170	850	0.0112	0.5667	0.20%	
*AT&T-PCS-UMTS	2	817	170	1900	0.0218	1.0000	0.22%	
*AT&T-PCS-GSM	2	817	170	1900	0.0218	1.0000	0.22%	
*AT&T-LTE	2	940	170	700	0.0251	0.4667	0.54%	
*AT&T-PCS-LTE	2	1791	170	1900	0.0479	1.0000	0.48%	
*T-Mobile	4	1028	160	1900	0.0624	1.0000	0.62%	
*T-Mobile	2	1028	160	2100	0.0312	1.0000	0.31%	
*T-Mobile	2	592	160	600	0.0180	0.4000	0.45%	
*T-Mobile	2	649	160	700	0.0197	0.4667	0.42%	
*T-Mobile	2	2057	160	1900	0.0624	1.0000	0.62%	
*T-Mobile	2	2308	160	2100	0.0700	1.0000	0.70%	
VZW 700	**4**	**628**	**1118**	**0.0069**	**751**	**0.5007**	**1.39%**	
VZW CDMA	**2**	**415**	**118**	**0.0021**	**869**	**0.5793**	**0.37%**	
VZW Cellular	**4**	**725**	**118**	**0.0071**	**874**	**0.5827**	**1.22%**	
VZW PCS	**4**	**1525**	**118**	**0.0147**	**1975**	**1.0000**	**1.47%**	
VZW AWS	**4**	**1530**	**118**	**0.0165**	**2120**	**1.0000**	**1.65%**	
VZW CBAND	**4**	**6531**	**118**	**0.0675**	**3730.08**	**1.0000**	**6.75%**	
								20.56%
* Source: Siting Council								

ATTACHMENT 4

PAUL J. FORD & COMPANY

Report Date: April 22, 2021

Client: On Air Engineering, LLC
88 Foundry Pond Road
Cold Spring, NY 10516
Attn: David Weinpahl, P.E.
(201) 456-4624
dweinpahl@onaireng.com

Structure: Existing 175-ft Monopole with Proposed Modification
Verizon Site Name: Berlin 4 CT
Site Address: 1657 Berlin Tpke
City, County, State: Berlin, Hartford County, CT
Latitude, Longitude: 41.606217, -72.749686

PJF Project: 4921-0004.003.7805

Paul J. Ford and Company is pleased to submit this "**Structural Analysis Report**" to determine the tower stress level.

Analysis Criteria:
This analysis utilizes an ultimate 3-second gust wind speed of 135 mph (converted to an equivalent 105 mph nominal 3-second gust wind speed per Section 1609.3.1 for use with TIA-222 G) as required by the 2018 Connecticut State Building Code and Appendix N. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Proposed Appurtenance Loads:
The structure was analyzed with the proposed loading configuration shown in Table 1 combined with the other considered equipment shown in Table 2 of this report.

Summary of Analysis Results:
Modified Structure: Pass – 80.4%
Existing Foundation: Pass – 67.9%

We at Paul J. Ford and Company appreciate the opportunity of providing our continuing professional services to you and On Air Engineering, LLC. If you have any questions or need further assistance on this or any other projects, please give us a call.

Respectfully Submitted by:
Paul J. Ford and Company

Nathan C. Miller

Nathan C. Miller, E.I.
Structural Designer
nmiller@pauljford.com

STATE OF CONNECTICUT
JUSTIN T. KLINE
No. 30301
LICENSED PROFESSIONAL ENGINEER
2021.04.26
15:14:05-04'00'

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 175 ft Monopole tower designed by EEI.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-G
Risk Category:	III
Ultimate/Nominal Wind Speed:	135/105 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
116.0	118.0	3	amphenol	BXA-70063-6CF-EDIN-X w/ MP	2 6	Hybrid 1-5/8
		6	commscope	NHH-65B-R2B w/ MP		
		3	samsung	MT6407-77A		
		2	rfs celwave	DB-B1-6C-12AB-0Z		
		3	samsung	B2/B66A RRH-BR049		
		3	samsung	B5/B13 RRH-BR04C		
	116.0	1	tower mount	12' Low Profile Platform		
		1	tower mount	Mount Modification		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
176.0	186.0	2	telewave	ANT150D6-9	3 2 2	1-1/4 7/8 Cat5e
	181.0	1	antennae	2" Dia 10' Omni		
	179.0	2	generic	24" x 24" x 3" Panel		
	178.0	2	antennae	2" Dia 4' Omni		
	176.0	1	pole mounts	Low Profile Platform		
		2	scala	PR-900		
170.0	170.0	3	cci antennas	HPA-65R-BUU-H6-K w/ MP	6 1 2	1-5/8 RG6 #8
		3	ericsson	RRUS 11		
		3	ericsson	RRUS 32		
		1	pole mounts	Platform w/ Hand Rails		
		6	powerwave	LGP21401		
		1	raycap	DC6-48-60-18-8F		
		3	scala	Scala 800-10121		
164.5	164.5	1	antennae	3" x 4' Omni	2	7/8
		1	microwave	4 ft Grid		
		1	pole mounts	6' Side Arm Mount (Pipe)		

Table 2 - Other Considered Equipment (Continued)

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
160.0	160.0	3	pole mounts	sector stabilizer	7 3	1-5/8 1-1/4
		3	ericsson	AIR21 B2A/B4P w/ MP		
		3	ericsson	AIR32_TMO		
		3	ericsson	RADIO 4449 B12/B71		
		3	miscl	10" x 8" x 3" TMAs		
		3	pole mounts	Sector Mounts (1)		
		3	rfs celwave	APXVAARR24_43-U-NA20 w/ MP		
150.0	154.0	3	andrew	VHLP2-11	4 4	1-1/4 1/2
		2	andrew	VHLP800-11		
	150.0	1	pole mounts	Low Profile Platform		
		3	alcatel lucent	TD-RRH8x20-25		
		3	alcatel lucent	TME-800MHZ 2X50W RRH		
		3	alcatel lucent	TME-FD-RRH-4x45-1900		
		3	rfs celwave	APXVSPP18-C-A20 w/ MP		
		3	rfs celwave	APXVTM14-C-120 w/ MP		
137.0	137.0	1	generic	24" x 24" x 3" Panel	1 1	1/2 Cat5e
		1	pole mounts	6' Side Arm Mount (Pipe)		
		1	telewave	ANT150D3		
104.8	104.8	1	generic	24" x 24" x 3" Panel	2 1	7/8 Cat5e
		1	pole mounts	6' Side Arm Mount (Pipe)		
		1	telewave	ANT150D3		
	104.5	1	microwave	4 ft Grid		
97.0	97.0	1	andrew	VHLP1-18/F	1	1/2
		1	pole mounts	3' Side Arm Mount		
78.0	78.0	1	generic	GPS	1	1/2
		1	pole mounts	3' Side Arm Mount		
50.0	51.0	1	andrew	VHLP1-18/F	1	1/2
	50.0	1	pole mounts	3' Side Arm Mount		
35.3	35.3	1	generic	GPS	1	1/2
		1	pole mounts	3' Side Arm Mount		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Remarks	Reference	Source
Structural Analysis	Gaviria Engineering, 12/23/2020	2020-0816.048C	On Air Engineering, LLC
Manufacturer Drawings	EEI, 11/22/2002	11129	
Foundation Drawings	EEI, 11/20/2002	11129	
Geotechnical Report	Clarence Welti, 06/11/2002	T-854	

3.1) Analysis Method

tnxTower (version 8.0.7.5), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A.

3.2) Assumptions

1. Tower and structures were maintained in accordance with the TIA-222 standard.
2. The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.
3. All coaxial cables are assumed to run internal to the monopole shaft, unless noted otherwise.
4. At the time of analysis, the tower manufacturer drawings show a base plate thickness of 2”. However, a field verification mapping determined the thickness of the base plate to be greater than 2”. We have assumed a standard thickness of 2 1/4” for the purposes of this analysis.

This analysis may be affected if any assumptions are not valid or have been made in error. Paul J. Ford and Company should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	176 - 130.75	Pole	TP31.8x21x0.25	1	-16.886	1698.250	56.1	Pass
L2	130.75 - 86.12	Pole	TP41.82x30.226x0.3125	2	-29.446	2747.890	80.0	Pass
L3	86.12 - 43	Pole	TP51.36x39.8381x0.375	3	-42.500	4018.070	80.4	Pass
L4	43 - 1	Pole	TP60.5x48.9596x0.4375	4	-62.639	5618.130	74.8	Pass
							Summary	
						Pole (L3)	80.4	Pass
						RATING =	80.4	Pass

Table 5 - Tower Component Stresses vs. Capacity

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	78.0	Pass
1	Base Plate	0	80.0	Pass
1	Base Foundation Soil Interaction	0	56.6	Pass
1	Base Foundation Structural	0	67.9	Pass

Structure Rating (max from all components) =	80.4%

Notes:
1. See additional documentation in “Appendix B – Additional Calculations” for calculations supporting the % capacity consumed.

4.1) Recommendations

The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

STANDARD CONDITIONS FOR FURNISHING OF PROFESSIONAL ENGINEERING SERVICES ON EXISTING STRUCTURES BY PAUL J. FORD AND COMPANY

Paul J. Ford and Company has not made a field inspection to verify the monopole dimensions or the antenna/coax loading. If the existing conditions are not as represented on these sketches, we should be contacted immediately to reevaluate any conclusions stated in this report.

No allowance was made for any damaged, missing, or rusted material. The analysis of this monopole assumes that no physical deterioration has occurred in any of the structural components of the monopole and that all the structural members have the same load carrying capacity as the day the monopole was erected.

It is not possible to have all the detailed information to perform a thorough analysis of every structural sub-component of an existing monopole. The structural analysis provided by Paul J. Ford and Company verifies the adequacy of the main structural members of the monopole. Paul J. Ford and Company provides a limited scope of service in that we cannot verify the adequacy of every weld, plate, connection detail, etc.

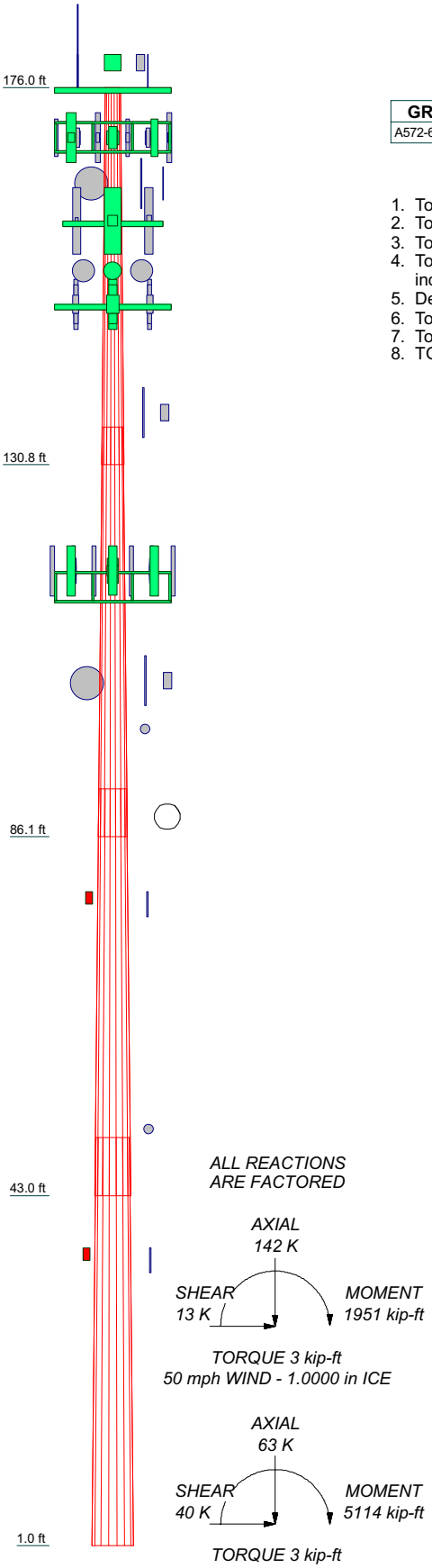
The structural integrity of the existing tower foundation can only be verified if exact foundation sizes and soil conditions are known. Paul J. Ford and Company will not accept any responsibility for the adequacy of the existing foundations unless the foundation sizes and a soils report are provided.

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

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	45.2500	18	0.2500	4.5000	21.0000	31.8000	A572-65	3.2
2	49.1300	18	0.3125	5.7500	30.2260	41.8200		5.9
3	48.8700	18	0.3750	7.0000	39.8381	51.3600		9.0
4	49.0000	18	0.4375		48.9596	60.5000		12.6
								30.6



ALL REACTIONS ARE FACTORED

AXIAL 142 K

SHEAR 13 K

MOMENT 1951 kip-ft

TORQUE 3 kip-ft
50 mph WIND - 1.0000 in ICE

AXIAL 63 K

SHEAR 40 K

MOMENT 5114 kip-ft

TORQUE 3 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 Hartford 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 1.00 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 0.0000 ft
8. TOWER RATING: 80.4%

PJFLogo

Paul J. Ford and Company
250 E. Broad St., Ste 600
Columbus, OH 43215
Phone: 614-221-6679
FAX:

Job:	***150-Ft Monopole / Berlin CT***		
Project:	***PJF 42921-0004***		
Client: On Air Engineering	Drawn by: Nathan Miller	App'd:	
Code: TIA-222-G	Date: 04/23/21	Scale: NTS	
Path: G:\TOWER\429_On Air Engineering\2021\42921-0004_Berlin, CT\42921-0004.003.7805_SA\42921-0004.003.7805.eri		Dwg No. E-1	

Tower Input Data

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

- Tower is located in Hartford 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 0.0000 ft.
- Nominal ice thickness of 1.0000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56.000 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	176.0000-130.7500	45.2500	4.500	18	21.0000	31.8000	0.2500	1.0000	A572-65 (65 ksi)
L2	130.7500-86.1200	49.1300	5.750	18	30.2260	41.8200	0.3125	1.2500	A572-65 (65 ksi)
L3	86.1200-43.0000	48.8700	7.000	18	39.8381	51.3600	0.3750	1.5000	A572-65 (65 ksi)
L4	43.0000-1.0000	49.0000		18	48.9596	60.5000	0.4375	1.7500	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	21.2854	16.4651	895.6507	7.3663	10.6680	83.9568	1792.4800	8.2341	3.2560	13.024
	32.2520	25.0349	3148.3461	11.2003	16.1544	194.8909	6300.8349	12.5198	5.1568	20.627
L2	31.7224	29.6704	3354.2440	10.6193	15.3548	218.4493	6712.9015	14.8380	4.7698	15.263
	42.4169	41.1703	8961.3641	14.7352	21.2446	421.8192	17934.5198	20.5890	6.8103	21.793
L3	41.7714	46.9709	9241.6271	14.0094	20.2377	456.6531	18495.4146	23.4899	6.3515	16.937
	52.0945	60.6849	19929.7987	18.0997	26.0909	763.8607	39885.8215	30.3482	8.3794	22.345
L4	51.3215	67.3790	20042.0460	17.2254	24.8715	805.8240	40110.4639	33.6959	7.8469	17.936
	61.3658	83.4043	38013.0437	21.3222	30.7340	1236.8401	76076.1060	41.7101	9.8780	22.578

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 176.0000-130.7500				1	1	1			
L2 130.7500-86.1200				1	1	1			
L3 86.1200-43.0000				1	1	1			
L4 43.0000-1.0000				1	1	1			

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
**********									
LDF6-50 (1 1/4" foam)	C	No	No	Inside Pole	176.0000 - 1.0000	3	No Ice	0.0000	0.001
							1/2" Ice	0.0000	0.001
							1" Ice	0.0000	0.001
LDF5-50A (7/8" foam)	C	No	No	Inside Pole	176.0000 - 1.0000	2	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
CAT5E	C	No	No	Inside Pole	176.0000 - 1.0000	2	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
**									
LDF7-50A (1 5/8" foam)	C	No	No	Inside Pole	172.0000 - 1.0000	6	No Ice	0.0000	0.001
							1/2" Ice	0.0000	0.001
							1" Ice	0.0000	0.001
#8 AWG Copper Wire	C	No	No	Inside Pole	172.0000 - 1.0000	2	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
1" Fiber	C	No	No	Inside Pole	171.0000 - 1.0000	1	No Ice	0.0000	0.001
							1/2" Ice	0.0000	0.001
							1" Ice	0.0000	0.001
**									
LDF5-50A (7/8" foam)	C	No	No	Inside Pole	164.5000 - 1.0000	2	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
**									
LDF7-50A (1 5/8" foam)	C	No	No	Inside Pole	160.0000 - 1.0000	6	No Ice	0.0000	0.001
							1/2" Ice	0.0000	0.001
							1" Ice	0.0000	0.001

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
HCS 6X12 4AWG(1-5/8")	C	No	No	Inside Pole	160.0000 - 1.0000	1	No Ice	0.0000	0.002
							1/2" Ice	0.0000	0.002
							1" Ice	0.0000	0.002
2/TSZ 999 0079/XXM(1-1/4)	C	No	No	Inside Pole	160.0000 - 1.0000	3	No Ice	0.0000	0.001
							1/2" Ice	0.0000	0.001
							1" Ice	0.0000	0.001
**									
2/TSZ 999 0079/XXM(1-1/4)	C	No	No	Inside Pole	150.0000 - 1.0000	4	No Ice	0.0000	0.001
							1/2" Ice	0.0000	0.001
							1" Ice	0.0000	0.001
LDF4-50A (1/2" foam)	C	No	No	Inside Pole	150.0000 - 1.0000	4	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
**									
LDF4-50A (1/2" foam)	C	No	No	Inside Pole	137.0000 - 1.0000	2	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
CAT5E	C	No	No	Inside Pole	137.0000 - 1.0000	1	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
**									
Coax	C	No	No	Inside Pole	117.0000 - 1.0000	6	No Ice	0.0000	0.001
							1/2" Ice	0.0000	0.001
							1" Ice	0.0000	0.001
Hybrid	C	No	No	Inside Pole	117.0000 - 1.0000	2	No Ice	0.0000	0.001
							1/2" Ice	0.0000	0.001
							1" Ice	0.0000	0.001
**									
LDF5-50A (7/8" foam)	C	No	No	Inside Pole	104.0000 - 1.0000	2	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
**									
CAT5E	C	No	No	Inside Pole	104.0000 - 1.0000	1	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
**									
LDF4-50A (1/2" foam)	C	No	No	Inside Pole	79.0000 - 1.0000	1	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
**									
LDF4-50A (1/2" foam)	C	No	No	Inside Pole	36.0000 - 1.0000	1	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
**									
LDF4-50A (1/2" foam)	C	No	No	Inside Pole	97.0000 - 1.0000	1	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
**									
LDF5-50A (7/8" foam)	C	No	No	Inside Pole	176.0000 - 1.0000	2	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
**									
LDF4-50A (1/2" foam)	C	No	No	Inside Pole	51.0000 - 1.0000	1	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	176.0000-130.7500	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.874

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L2	130.7500-86.1200	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	1.455
L3	86.1200-43.0000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	1.534
L4	43.0000-1.0000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	1.506

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	176.0000-130.7500	A	2.913	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.874
L2	130.7500-86.1200	A	2.814	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	1.455
L3	86.1200-43.0000	A	2.672	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	1.534
L4	43.0000-1.0000	A	2.395	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	1.506

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	176.0000-130.7500	0.0000	0.0000	0.0000	0.0000
L2	130.7500-86.1200	0.0000	0.0000	0.0000	0.0000
L3	86.1200-43.0000	0.0000	0.0000	0.0000	0.0000
L4	43.0000-1.0000	0.0000	0.0000	0.0000	0.0000

Note: For pole sections, center of pressure calculations do not consider feed line shielding.

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
*** ********** ********									
24" x 24" x 3" Panel	B	From Face	3.0000 0.000 3.000	0.000	176.0000	No Ice 1/2" Ice 1" Ice	4.8000 5.0704 5.3481	0.7167 0.8717 1.0282	0.040 0.065 0.094
24" x 24" x 3" Panel	C	From Face	3.0000 0.000 3.000	0.000	176.0000	No Ice 1/2" Ice 1" Ice	4.8000 5.0704 5.3481	0.7167 0.8717 1.0282	0.040 0.065 0.094
PR-900	A	From Face	3.0000 0.000 0.000	0.000	176.0000	No Ice 1/2" Ice	6.3500 11.4300 16.5100	6.3500 11.4300 16.5100	0.038 0.049 0.061

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
						1" Ice			
PR-900	C	From Face	3.0000	0.000	176.0000	No Ice	6.3500	6.3500	0.038
			0.000			1/2" Ice	11.4300	11.4300	0.049
			0.000			1" Ice	16.5100	16.5100	0.061
2" Dia 10' Omni	A	From Face	4.0000	0.000	176.0000	No Ice	2.0000	2.0000	0.010
			0.000			1/2" Ice	3.0300	3.0300	0.025
			5.000			1" Ice	4.0600	4.0600	0.040
2" Dia 4' Omni	A	From Face	4.0000	0.000	176.0000	No Ice	0.7852	0.7852	0.005
			0.000			1/2" Ice	1.0284	1.0284	0.011
			2.000			1" Ice	1.2809	1.2809	0.020
2" Dia 4' Omni	B	From Face	4.0000	0.000	176.0000	No Ice	0.7852	0.7852	0.005
			0.000			1/2" Ice	1.0284	1.0284	0.011
			2.000			1" Ice	1.2809	1.2809	0.020
ANT150D6-9	C	From Face	4.0000	0.000	176.0000	No Ice	3.3000	3.3000	0.028
			0.000			1/2" Ice	4.1250	4.1250	0.035
			10.000			1" Ice	4.9500	4.9500	0.042
ANT150D6-9	C	From Face	4.0000	0.000	176.0000	No Ice	3.3000	3.3000	0.028
			0.000			1/2" Ice	4.1250	4.1250	0.035
			10.000			1" Ice	4.9500	4.9500	0.042
Low Profile Platform	C	None		0.000	176.0000	No Ice	18.3800	18.3800	2.100
						1/2" Ice	22.1100	22.1100	2.652
						1" Ice	25.8700	25.8700	3.263
**									
Scala 800-10121	A	From Face	4.0000	0.000	170.0000	No Ice	5.1615	3.2927	0.044
			-5.000			1/2" Ice	5.5141	3.6395	0.077
			0.000			1" Ice	5.8737	3.9936	0.115
Scala 800-10121	B	From Face	4.0000	0.000	170.0000	No Ice	5.1615	3.2927	0.044
			-5.000			1/2" Ice	5.5141	3.6395	0.077
			0.000			1" Ice	5.8737	3.9936	0.115
Scala 800-10121	C	From Face	4.0000	0.000	170.0000	No Ice	5.1615	3.2927	0.044
			-5.000			1/2" Ice	5.5141	3.6395	0.077
			0.000			1" Ice	5.8737	3.9936	0.115
HPA-65R-BUU-H6-K_TIA w/ Mount Pipe	A	From Face	4.0000	0.000	170.0000	No Ice	9.7235	7.1545	0.086
			5.000			1/2" Ice	10.2979	8.3411	0.162
			0.000			1" Ice	10.8378	9.2445	0.246
HPA-65R-BUU-H6-K_TIA w/ Mount Pipe	B	From Face	4.0000	0.000	170.0000	No Ice	9.7235	7.1545	0.086
			5.000			1/2" Ice	10.2979	8.3411	0.162
			0.000			1" Ice	10.8378	9.2445	0.246
HPA-65R-BUU-H6-K_TIA w/ Mount Pipe	C	From Face	4.0000	0.000	170.0000	No Ice	9.7235	7.1545	0.086
			5.000			1/2" Ice	10.2979	8.3411	0.162
			0.000			1" Ice	10.8378	9.2445	0.246
(2) LGP21401	A	From Face	4.0000	0.000	170.0000	No Ice	1.1040	0.3471	0.014
			0.000			1/2" Ice	1.2388	0.4422	0.021
			0.000			1" Ice	1.3810	0.5444	0.030
(2) LGP21401	B	From Face	4.0000	0.000	170.0000	No Ice	1.1040	0.3471	0.014
			0.000			1/2" Ice	1.2388	0.4422	0.021
			0.000			1" Ice	1.3810	0.5444	0.030
(2) LGP21401	C	From Face	4.0000	0.000	170.0000	No Ice	1.1040	0.3471	0.014
			0.000				1.2388	0.4422	0.021

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
			0.000			1/2" Ice	1.3810	0.5444	0.030
						1" Ice			
RRUS 11	A	From Face	4.0000	0.000	170.0000	No Ice	2.7908	1.1923	0.051
			0.000			1/2" Ice	2.9984	1.3395	0.072
			0.000			1" Ice	3.2134	1.4957	0.095
RRUS 11	B	From Face	4.0000	0.000	170.0000	No Ice	2.7908	1.1923	0.051
			0.000			1/2" Ice	2.9984	1.3395	0.072
			0.000			1" Ice	3.2134	1.4957	0.095
RRUS 11	C	From Face	4.0000	0.000	170.0000	No Ice	2.7908	1.1923	0.051
			0.000			1/2" Ice	2.9984	1.3395	0.072
			0.000			1" Ice	3.2134	1.4957	0.095
RRUS 32	A	From Face	4.0000	0.000	170.0000	No Ice	2.8571	1.7766	0.055
			0.000			1/2" Ice	3.0830	1.9677	0.077
			0.000			1" Ice	3.3163	2.1658	0.103
RRUS 32	B	From Face	4.0000	0.000	170.0000	No Ice	2.8571	1.7766	0.055
			0.000			1/2" Ice	3.0830	1.9677	0.077
			0.000			1" Ice	3.3163	2.1658	0.103
RRUS 32	C	From Face	4.0000	0.000	170.0000	No Ice	2.8571	1.7766	0.055
			0.000			1/2" Ice	3.0830	1.9677	0.077
			0.000			1" Ice	3.3163	2.1658	0.103
DC6-48-60-18-8F	C	From Face	4.0000	0.000	170.0000	No Ice	1.2117	1.2117	0.033
			0.000			1/2" Ice	1.8924	1.8924	0.055
			0.000			1" Ice	2.1051	2.1051	0.080
Platform Mount w/hand rail	C	None		0.000	170.0000	No Ice	27.6500	27.6500	2.166
						1/2" Ice	34.7400	34.7400	2.834
						1" Ice	41.6100	41.6100	3.631
**									
AIR21 B2A/B4P w/ mount pipe	A	From Face	4.0000	0.000	160.0000	No Ice	6.7202	6.3681	0.124
			0.000			1/2" Ice	7.2817	7.2938	0.187
			0.000			1" Ice	7.8009	8.0785	0.259
AIR21 B2A/B4P w/ mount pipe	B	From Face	4.0000	0.000	160.0000	No Ice	6.7202	6.3681	0.124
			0.000			1/2" Ice	7.2817	7.2938	0.187
			0.000			1" Ice	7.8009	8.0785	0.259
AIR21 B2A/B4P w/ mount pipe	C	From Face	4.0000	0.000	160.0000	No Ice	6.7202	6.3681	0.124
			0.000			1/2" Ice	7.2817	7.2938	0.187
			0.000			1" Ice	7.8009	8.0785	0.259
AIR32_TMO	A	From Face	4.0000	0.000	160.0000	No Ice	3.8600	2.5100	0.172
			0.000			1/2" Ice	4.2300	2.8600	0.220
			0.000			1" Ice	4.6100	3.2200	0.273
AIR32_TMO	B	From Face	4.0000	0.000	160.0000	No Ice	3.8600	2.5100	0.172
			0.000			1/2" Ice	4.2300	2.8600	0.220
			0.000			1" Ice	4.6100	3.2200	0.273
AIR32_TMO	C	From Face	4.0000	0.000	160.0000	No Ice	3.8600	2.5100	0.172
			0.000			1/2" Ice	4.2300	2.8600	0.220
			0.000			1" Ice	4.6100	3.2200	0.273
APXVAARR24_43-U-NA20_TIA w/ Mount Pipe	A	From Face	4.0000	0.000	160.0000	No Ice	20.4801	11.0240	0.186
			0.000			1/2" Ice	21.2306	12.5496	0.322
			0.000			1" Ice	21.9900	14.0992	0.469

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft²	C_AA_A Side ft²	Weight K
APXVAARR24_43-U-NA20_TIA w/ Mount Pipe	B	From Face	4.0000	0.000	160.0000	No Ice	20.4801	11.0240	0.186
			0.000			1/2" Ice	21.2306	12.5496	0.322
			0.000			1" Ice	21.9900	14.0992	0.469
APXVAARR24_43-U-NA20_TIA w/ Mount Pipe	C	From Face	4.0000	0.000	160.0000	No Ice	20.4801	11.0240	0.186
			0.000			1/2" Ice	21.2306	12.5496	0.322
			0.000			1" Ice	21.9900	14.0992	0.469
10" x 8" x 3" TMAs	A	From Face	4.0000	0.000	160.0000	No Ice	0.6667	0.2577	0.010
			0.000			1/2" Ice	0.7704	0.3309	0.015
			0.000			1" Ice	0.8815	0.4110	0.022
10" x 8" x 3" TMAs	B	From Face	4.0000	0.000	160.0000	No Ice	0.6667	0.2577	0.010
			0.000			1/2" Ice	0.7704	0.3309	0.015
			0.000			1" Ice	0.8815	0.4110	0.022
10" x 8" x 3" TMAs	C	From Face	4.0000	0.000	160.0000	No Ice	0.6667	0.2577	0.010
			0.000			1/2" Ice	0.7704	0.3309	0.015
			0.000			1" Ice	0.8815	0.4110	0.022
RADIO 4449 B12/B71	A	From Face	4.0000	0.000	160.0000	No Ice	1.6500	1.1625	0.074
			0.000			1/2" Ice	1.8104	1.3012	0.090
			0.000			1" Ice	1.9781	1.4473	0.109
RADIO 4449 B12/B71	B	From Face	4.0000	0.000	160.0000	No Ice	1.6500	1.1625	0.074
			0.000			1/2" Ice	1.8104	1.3012	0.090
			0.000			1" Ice	1.9781	1.4473	0.109
RADIO 4449 B12/B71	C	From Face	4.0000	0.000	160.0000	No Ice	1.6500	1.1625	0.074
			0.000			1/2" Ice	1.8104	1.3012	0.090
			0.000			1" Ice	1.9781	1.4473	0.109
Valmont T-Arm (1)	C	From Face	2.0000	0.000	160.0000	No Ice	10.5400	10.5400	0.336
			0.000			1/2" Ice	14.4500	14.4500	0.412
			0.000			1" Ice	18.3600	18.3600	0.488
Valmont T-Arm (1)	C	From Face	2.0000	0.000	160.0000	No Ice	10.5400	10.5400	0.336
			0.000			1/2" Ice	14.4500	14.4500	0.412
			0.000			1" Ice	18.3600	18.3600	0.488
Valmont T-Arm (1)	C	From Face	2.0000	0.000	160.0000	No Ice	10.5400	10.5400	0.336
			0.000			1/2" Ice	14.4500	14.4500	0.412
			0.000			1" Ice	18.3600	18.3600	0.488
sector stabilizer	C	From Face	1.0000	0.000	160.0000	No Ice	6.3200	4.8500	0.275
			0.000			1/2" Ice	7.7900	6.3600	0.417
			0.000			1" Ice	9.3600	7.9400	0.598
sector stabilizer	C	From Face	1.0000	0.000	160.0000	No Ice	6.3200	4.8500	0.275
			0.000			1/2" Ice	7.7900	6.3600	0.417
			0.000			1" Ice	9.3600	7.9400	0.598
sector stabilizer	C	From Face	1.0000	0.000	160.0000	No Ice	6.3200	4.8500	0.275
			0.000			1/2" Ice	7.7900	6.3600	0.417
			0.000			1" Ice	9.3600	7.9400	0.598
**									
APXVSPP18-C-A20_TIA w/ Mount Pipe	A	From Face	4.0000	0.000	150.0000	No Ice	8.2619	7.4708	0.088
			0.000			1/2" Ice	8.8215	8.6564	0.158
			0.000			1" Ice	9.3462	9.5559	0.237
APXVSPP18-C-A20_TIA w/ Mount Pipe	B	From Face	4.0000	0.000	150.0000	No Ice	8.2619	7.4708	0.088
			0.000			1/2"	8.8215	8.6564	0.158
			0.000			Ice	9.3462	9.5559	0.237

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
							1" Ice			
APXVSPP18-C-A20_TIA w/ Mount Pipe	C	From Face	4.0000 0.000 0.000		0.000	150.0000	No Ice 1/2" Ice 1" Ice	8.2619 8.8215 9.3462	7.4708 8.6564 9.5559	0.088 0.158 0.237
APXVTM14-C-120_TIA w/ Mount Pipe	A	From Face	4.0000 0.000 0.000		0.000	150.0000	No Ice 1/2" Ice 1" Ice	6.5799 7.0306 7.4733	4.9591 5.7544 6.4723	0.077 0.132 0.193
APXVTM14-C-120_TIA w/ Mount Pipe	B	From Face	4.0000 0.000 0.000		0.000	150.0000	No Ice 1/2" Ice 1" Ice	6.5799 7.0306 7.4733	4.9591 5.7544 6.4723	0.077 0.132 0.193
APXVTM14-C-120_TIA w/ Mount Pipe	C	From Face	4.0000 0.000 0.000		0.000	150.0000	No Ice 1/2" Ice 1" Ice	6.5799 7.0306 7.4733	4.9591 5.7544 6.4723	0.077 0.132 0.193
TME-FD-RRH-4x45-1900	A	From Face	4.0000 0.000 0.000		0.000	150.0000	No Ice 1/2" Ice 1" Ice	2.3199 2.5246 2.7367	2.2363 2.4388 2.6487	0.060 0.083 0.109
TME-FD-RRH-4x45-1900	B	From Face	4.0000 0.000 0.000		0.000	150.0000	No Ice 1/2" Ice 1" Ice	2.3199 2.5246 2.7367	2.2363 2.4388 2.6487	0.060 0.083 0.109
TME-FD-RRH-4x45-1900	C	From Face	4.0000 0.000 0.000		0.000	150.0000	No Ice 1/2" Ice 1" Ice	2.3199 2.5246 2.7367	2.2363 2.4388 2.6487	0.060 0.083 0.109
TME-800MHZ 2X50W RRH	A	From Face	4.0000 0.000 0.000		0.000	150.0000	No Ice 1/2" Ice 1" Ice	2.1342 2.3195 2.5123	1.7730 1.9461 2.1267	0.053 0.074 0.098
TME-800MHZ 2X50W RRH	B	From Face	4.0000 0.000 0.000		0.000	150.0000	No Ice 1/2" Ice 1" Ice	2.1342 2.3195 2.5123	1.7730 1.9461 2.1267	0.053 0.074 0.098
TME-800MHZ 2X50W RRH	C	From Face	4.0000 0.000 0.000		0.000	150.0000	No Ice 1/2" Ice 1" Ice	2.1342 2.3195 2.5123	1.7730 1.9461 2.1267	0.053 0.074 0.098
TD-RRH8x20-25	A	From Face	4.0000 0.000 0.000		0.000	150.0000	No Ice 1/2" Ice 1" Ice	4.0455 4.2975 4.5570	1.5345 1.7142 1.9008	0.070 0.097 0.128
TD-RRH8x20-25	B	From Face	4.0000 0.000 0.000		0.000	150.0000	No Ice 1/2" Ice 1" Ice	4.0455 4.2975 4.5570	1.5345 1.7142 1.9008	0.070 0.097 0.128
TD-RRH8x20-25	C	From Face	4.0000 0.000 0.000		0.000	150.0000	No Ice 1/2" Ice 1" Ice	4.0455 4.2975 4.5570	1.5345 1.7142 1.9008	0.070 0.097 0.128
Low Profile Platform	C	None			0.000	150.0000	No Ice 1/2" Ice 1" Ice	18.3800 22.1100 25.8700	18.3800 22.1100 25.8700	2.100 2.652 3.263
**										
(2) NHH-65B-R2B_TIA w/ Mount Pipe	A	From Face	4.0000 0.000 2.000		0.000	116.0000	No Ice 1/2" Ice 1" Ice	8.3164 8.8765 9.4016	7.0042 8.1855 9.0806	0.069 0.138 0.214
(2) NHH-65B-R2B_TIA w/ Mount Pipe	B	From Face	4.0000 0.000		0.000	116.0000	No Ice	8.3164 8.8765	7.0042 8.1855	0.069 0.138

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			2.000				1/2" Ice	9.4016	9.0806	0.214
							1" Ice			
(2) NHH-65B-R2B_TIA w/ Mount Pipe	C	From Face	4.0000	0.000	116.0000		No Ice	8.3164	7.0042	0.069
			0.000				1/2" Ice	8.8765	8.1855	0.138
			2.000				1" Ice	9.4016	9.0806	0.214
MT6407-77A w/ Mount Pipe	A	From Face	4.0000	0.000	116.0000		No Ice	4.9069	2.6821	0.096
			0.000				1/2" Ice	5.2559	3.1450	0.136
			2.000				1" Ice	5.6147	3.6241	0.180
MT6407-77A w/ Mount Pipe	B	From Face	4.0000	0.000	116.0000		No Ice	4.9069	2.6821	0.096
			0.000				1/2" Ice	5.2559	3.1450	0.136
			2.000				1" Ice	5.6147	3.6241	0.180
MT6407-77A w/ Mount Pipe	C	From Face	4.0000	0.000	116.0000		No Ice	4.9069	2.6821	0.096
			0.000				1/2" Ice	5.2559	3.1450	0.136
			2.000				1" Ice	5.6147	3.6241	0.180
B2/B66A RRH-BR049	A	From Face	4.0000	0.000	116.0000		No Ice	1.8750	1.0125	0.070
			0.000				1/2" Ice	2.0454	1.1445	0.087
			2.000				1" Ice	2.2231	1.2840	0.106
B2/B66A RRH-BR049	B	From Face	4.0000	0.000	116.0000		No Ice	1.8750	1.0125	0.070
			0.000				1/2" Ice	2.0454	1.1445	0.087
			2.000				1" Ice	2.2231	1.2840	0.106
B2/B66A RRH-BR049	C	From Face	4.0000	0.000	116.0000		No Ice	1.8750	1.0125	0.070
			0.000				1/2" Ice	2.0454	1.1445	0.087
			2.000				1" Ice	2.2231	1.2840	0.106
B5/B13 RRH-BR04C	A	From Face	4.0000	0.000	116.0000		No Ice	1.8750	1.0125	0.070
			0.000				1/2" Ice	2.0454	1.1445	0.087
			2.000				1" Ice	2.2231	1.2840	0.106
B5/B13 RRH-BR04C	B	From Face	4.0000	0.000	116.0000		No Ice	1.8750	1.0125	0.070
			0.000				1/2" Ice	2.0454	1.1445	0.087
			2.000				1" Ice	2.2231	1.2840	0.106
B5/B13 RRH-BR04C	C	From Face	4.0000	0.000	116.0000		No Ice	1.8750	1.0125	0.070
			0.000				1/2" Ice	2.0454	1.1445	0.087
			2.000				1" Ice	2.2231	1.2840	0.106
DB-B1-6C-12AB-0Z	A	From Face	4.0000	0.000	116.0000		No Ice	3.3636	2.1921	0.032
			0.000				1/2" Ice	3.5972	2.3950	0.061
			2.000				1" Ice	3.8383	2.6056	0.093
DB-B1-6C-12AB-0Z	B	From Face	4.0000	0.000	116.0000		No Ice	3.3636	2.1921	0.032
			0.000				1/2" Ice	3.5972	2.3950	0.061
			2.000				1" Ice	3.8383	2.6056	0.093
BXA-70063-6CF-EDIN-X_TIA w/ Mount Pipe	A	From Face	4.0000	0.000	116.0000		No Ice	7.8065	5.8008	0.058
			0.000				1/2" Ice	8.3569	6.9529	0.119
			2.000				1" Ice	8.8720	7.8191	0.187
BXA-70063-6CF-EDIN-X_TIA w/ Mount Pipe	B	From Face	4.0000	0.000	116.0000		No Ice	7.8065	5.8008	0.058
			0.000				1/2" Ice	8.3569	6.9529	0.119
			2.000				1" Ice	8.8720	7.8191	0.187
BXA-70063-6CF-EDIN-X_TIA w/ Mount Pipe	C	From Face	4.0000	0.000	116.0000		No Ice	7.8065	5.8008	0.058
			0.000				1/2" Ice	8.3569	6.9529	0.119
			2.000				1" Ice	8.8720	7.8191	0.187
14' Low Profile Platform	C	None		0.000	116.0000		No Ice	17.4900	17.4900	1.349

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
						1/2" Ice	21.3700	21.3700	1.709
						1" Ice	25.2800	25.2800	2.131
Mount Modification	C	None		0.000	116.0000	No Ice	12.1700	12.1700	0.508
						1/2" Ice	16.4700	16.4700	0.700
						1" Ice	20.4200	20.4200	0.954
**									
3" x 4' Omni	B	From Face	6.0000	0.000	164.5000	No Ice	1.0000	1.0000	0.035
			0.000			1/2"	1.2477	1.2477	0.044
			0.000			Ice	1.5046	1.5046	0.056
						1" Ice			
6' Side Arm Mount (Pipe)	B	From Face	3.0000	0.000	164.5000	No Ice	1.8472	1.8472	0.075
			0.000			1/2"	2.4559	2.4559	0.092
			0.000			Ice	2.8321	2.8321	0.113
						1" Ice			
**									
ANT150D3	B	From Face	6.0000	0.000	137.0000	No Ice	2.8800	2.8800	0.014
			0.000			1/2"	3.1680	3.1680	0.020
			0.000			Ice	3.4560	3.4560	0.026
						1" Ice			
24" x 24" x 3" Panel	B	From Face	6.0000	0.000	137.0000	No Ice	4.8000	0.7167	0.040
			0.000			1/2"	5.0704	0.8717	0.065
			0.000			Ice	5.3481	1.0282	0.094
						1" Ice			
6' Side Arm Mount (Pipe)	B	From Face	3.0000	0.000	137.0000	No Ice	1.8872	1.8872	0.075
			0.000			1/2"	2.4559	2.4559	0.092
			0.000			Ice	2.8321	2.8321	0.113
						1" Ice			
**									
ANT150D3	B	From Face	6.0000	0.000	104.8300	No Ice	2.8800	2.8800	0.014
			0.000			1/2"	3.1680	3.1680	0.020
			0.000			Ice	3.4560	3.4560	0.026
						1" Ice			
24" x 24" x 3" Panel	B	From Face	6.0000	0.000	104.8300	No Ice	4.8000	0.7167	0.040
			0.000			1/2"	5.0704	0.8717	0.065
			0.000			Ice	5.3481	1.0282	0.094
						1" Ice			
6' Side Arm Mount (Pipe)	B	From Face	3.0000	0.000	104.8300	No Ice	1.9477	1.9477	0.075
			0.000			1/2"	2.4559	2.4559	0.092
			0.000			Ice	2.8321	2.8321	0.113
						1" Ice			
**									
GPS	A	From Face	1.5000	0.000	78.0000	No Ice	1.0000	1.0000	0.010
			0.000			1/2"	1.5000	1.5000	0.010
			0.000			Ice	2.0000	2.0000	0.020
						1" Ice			
3' Side Arm Mount	B	From Face	3.0000	0.000	78.0000	No Ice	0.7639	0.7639	0.030
			0.000			1/2"	0.9564	0.9564	0.038
			0.000			Ice	1.1582	1.1582	0.048
						1" Ice			
**									
GPS	A	From Face	1.5000	0.000	35.2500	No Ice	1.0000	1.0000	0.010
			0.000			1/2"	1.5000	1.5000	0.010
			0.000			Ice	2.0000	2.0000	0.020
						1" Ice			
3' Side Arm Mount	B	From Face	3.0000	0.000	35.2500	No Ice	0.7639	0.7639	0.030
			0.000			1/2"	0.9564	0.9564	0.038
			0.000			Ice	1.1582	1.1582	0.048
						1" Ice			
**									
Side Arm Mount	C	From Face	0.5000	0.000	70.0000	No Ice	1.7800	2.6100	0.096
			0.000			1/2"	2.2400	3.1500	0.116
			0.000			Ice	2.7500	3.7300	0.144

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
**						1" Ice			
Side Arm Mount	C	From Face	0.5000 0.000 0.000	0.000	51.0000	No Ice 1/2" Ice 1" Ice	1.7800 2.2400 2.7500	2.6100 3.1500 3.7300	0.096 0.116 0.144

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft^2	Weight K
4 ft Grid	A	Grid	From Face	2.0000 0.000 0.000	0.000		164.5000	4.0000	No Ice 1/2" Ice 1" Ice	12.5700 13.1000 13.6200	0.096 0.173 0.250
**											
VHLP800-11	A	Paraboloid w/Shroud (HP)	From Face	3.0000 0.000 4.000	0.000		150.0000	2.8000	No Ice 1/2" Ice 1" Ice	6.1600 6.5300 6.9000	0.049 0.080 0.120
VHLP800-11	B	Paraboloid w/Shroud (HP)	From Face	3.0000 0.000 4.000	0.000		150.0000	2.8000	No Ice 1/2" Ice 1" Ice	6.1600 6.5300 6.9000	0.020 0.060 0.090
VHLP2-11	A	Paraboloid w/Shroud (HP)	From Face	3.0000 0.000 4.000	0.000		150.0000	2.1750	No Ice 1/2" Ice 1" Ice	3.7200 4.0100 4.3000	0.027 0.050 0.070
VHLP2-11	B	Paraboloid w/Shroud (HP)	From Face	3.0000 0.000 4.000	0.000		150.0000	2.1750	No Ice 1/2" Ice 1" Ice	3.7200 4.0100 4.3000	0.027 0.050 0.070
VHLP2-11	C	Paraboloid w/Shroud (HP)	From Face	3.0000 0.000 4.000	0.000		150.0000	2.1750	No Ice 1/2" Ice 1" Ice	3.7200 4.0100 4.3000	0.027 0.050 0.070
**											
4 ft Grid	A	Grid	From Face	2.0000 0.000 0.000	0.000		104.5000	4.0000	No Ice 1/2" Ice 1" Ice	12.5700 13.1000 13.6200	0.096 0.173 0.250
**											
VHLP1-18/F	B	Paraboloid w/Shroud (HP)	From Face	3.0000 0.000 0.000	0.000		99.0000	1.2700	No Ice 1/2" Ice 1" Ice	1.2668 1.4385 1.6102	0.010 0.017 0.025
**											
VHLP1-18/F	B	Paraboloid w/Shroud (HP)	From Face	3.0000 0.000 0.000	0.000		51.0000	1.2700	No Ice 1/2" Ice 1" Ice	1.2668 1.4385 1.6102	0.010 0.017 0.025

Tower Pressures - No Ice

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z ksf	A_G ft^2	Face	A_F ft^2	A_R ft^2	A_{leg} ft^2	Leg %	C_AA_A In Face ft^2	C_AA_A Out Face ft^2
L1 176.0000-130.7500	152.0659	1.114	0.030	100.940	A	0.000	100.940	100.940	100.00	0.000	0.000
					B	0.000	100.940		100.00	0.000	0.000
					C	0.000	100.940		100.00	0.000	0.000
L2 130.7500-86.1200	107.6898	1.009	0.027	137.868	A	0.000	137.868	137.868	100.00	0.000	0.000
					B	0.000	137.868		100.00	0.000	0.000
					C	0.000	137.868		100.00	0.000	0.000

Section Elevation ft	z ft	K_Z	q_z ksf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L3 86.1200-43.0000	64.2887	0.871	0.023	168.646	A	0.000	168.646	168.646	100.00	0.000	0.000
					B	0.000	168.646		100.00	0.000	0.000
					C	0.000	168.646		100.00	0.000	0.000
L4 43.0000-1.0000	21.4927	0.7	0.019	197.203	A	0.000	197.203	197.203	100.00	0.000	0.000
					B	0.000	197.203		100.00	0.000	0.000
					C	0.000	197.203		100.00	0.000	0.000

Tower Pressure - With Ice

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z ksf	t_Z in	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1 176.0000-130.7500	152.0659	1.114	0.007	2.9127	122.907	A	0.000	122.907	122.907	100.00	0.000	0.000
						B	0.000	122.907		100.00	0.000	0.000
						C	0.000	122.907		100.00	0.000	0.000
L2 130.7500-86.1200	107.6898	1.009	0.006	2.8139	159.534	A	0.000	159.534	159.534	100.00	0.000	0.000
						B	0.000	159.534		100.00	0.000	0.000
						C	0.000	159.534		100.00	0.000	0.000
L3 86.1200-43.0000	64.2887	0.871	0.005	2.6724	188.868	A	0.000	188.868	188.868	100.00	0.000	0.000
						B	0.000	188.868		100.00	0.000	0.000
						C	0.000	188.868		100.00	0.000	0.000
L4 43.0000-1.0000	21.4927	0.7	0.004	2.3951	215.910	A	0.000	215.910	215.910	100.00	0.000	0.000
						B	0.000	215.910		100.00	0.000	0.000
						C	0.000	215.910		100.00	0.000	0.000

Tower Pressure - Service

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z ksf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1 176.0000-130.7500	152.0659	1.114	0.009	100.940	A	0.000	100.940	100.940	100.00	0.000	0.000
					B	0.000	100.940		100.00	0.000	0.000
					C	0.000	100.940		100.00	0.000	0.000
L2 130.7500-86.1200	107.6898	1.009	0.008	137.868	A	0.000	137.868	137.868	100.00	0.000	0.000
					B	0.000	137.868		100.00	0.000	0.000
					C	0.000	137.868		100.00	0.000	0.000
L3 86.1200-43.0000	64.2887	0.871	0.007	168.646	A	0.000	168.646	168.646	100.00	0.000	0.000
					B	0.000	168.646		100.00	0.000	0.000
					C	0.000	168.646		100.00	0.000	0.000
L4 43.0000-1.0000	21.4927	0.7	0.006	197.203	A	0.000	197.203	197.203	100.00	0.000	0.000
					B	0.000	197.203		100.00	0.000	0.000
					C	0.000	197.203		100.00	0.000	0.000

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.6 Wind 0 deg - No Ice
3	0.9 Dead+1.6 Wind 0 deg - No Ice
4	1.2 Dead+1.6 Wind 30 deg - No Ice
5	0.9 Dead+1.6 Wind 30 deg - No Ice
6	1.2 Dead+1.6 Wind 60 deg - No Ice
7	0.9 Dead+1.6 Wind 60 deg - No Ice
8	1.2 Dead+1.6 Wind 90 deg - No Ice
9	0.9 Dead+1.6 Wind 90 deg - No Ice
10	1.2 Dead+1.6 Wind 120 deg - No Ice

Comb. No.	Description
11	0.9 Dead+1.6 Wind 120 deg - No Ice
12	1.2 Dead+1.6 Wind 150 deg - No Ice
13	0.9 Dead+1.6 Wind 150 deg - No Ice
14	1.2 Dead+1.6 Wind 180 deg - No Ice
15	0.9 Dead+1.6 Wind 180 deg - No Ice
16	1.2 Dead+1.6 Wind 210 deg - No Ice
17	0.9 Dead+1.6 Wind 210 deg - No Ice
18	1.2 Dead+1.6 Wind 240 deg - No Ice
19	0.9 Dead+1.6 Wind 240 deg - No Ice
20	1.2 Dead+1.6 Wind 270 deg - No Ice
21	0.9 Dead+1.6 Wind 270 deg - No Ice
22	1.2 Dead+1.6 Wind 300 deg - No Ice
23	0.9 Dead+1.6 Wind 300 deg - No Ice
24	1.2 Dead+1.6 Wind 330 deg - No Ice
25	0.9 Dead+1.6 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	176 - 130.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-61.998	-4.086	-19.546
			Max. Mx	8	-16.891	-579.445	-2.102
			Max. My	14	-16.912	2.661	-585.814
			Max. Vy	8	22.414	-579.445	-2.102
			Max. Vx	14	22.285	2.661	-585.814
			Max. Torque	11			-5.764
L2	130.75 - 86.12	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-93.503	-6.648	-18.044
			Max. Mx	8	-29.456	-1783.824	4.388
			Max. My	14	-29.496	9.995	-1779.323
			Max. Vy	20	-32.443	1781.247	-20.051
			Max. Vx	14	32.051	9.995	-1779.323
			Max. Torque	21			4.469
L3	86.12 - 43	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-113.667	-7.644	-20.434
			Max. Mx	8	-42.505	-3224.961	12.217
			Max. My	14	-42.530	19.951	-3204.084
			Max. Vy	20	-36.421	3222.689	-32.920
			Max. Vx	14	35.944	19.951	-3204.084

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Torque	30			-2.884
L4	43 - 1	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-142.247	-8.068	-20.353
			Max. Mx	8	-62.639	-5102.475	22.603
			Max. My	14	-62.640	32.857	-5059.440
			Max. Vy	20	-40.086	5101.329	-47.741
			Max. Vx	2	-39.619	-29.064	5049.755
			Max. Torque	30			-2.884

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	142.247	0.000	0.000
	Max. H_x	20	62.669	40.039	-0.297
	Max. H_z	2	62.669	-0.198	39.573
	Max. M_x	2	5049.755	-0.198	39.573
	Max. M_z	8	5102.475	-40.011	0.206
	Max. Torsion	21	2.700	40.039	-0.297
	Min. Vert	15	47.002	0.260	-39.573
	Min. H_x	9	47.002	-40.012	0.206
	Min. H_z	15	47.002	0.260	-39.573
	Min. M_x	14	-5059.440	0.260	-39.571
	Min. M_z	20	-5101.329	40.039	-0.297
	Min. Torsion	30	-2.830	-12.783	-0.131

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	52.224	-0.000	-0.001	4.061	-1.376	-0.000
1.2 Dead+1.6 Wind 0 deg - No Ice	62.669	0.198	-39.573	-5049.755	-29.064	1.086
0.9 Dead+1.6 Wind 0 deg - No Ice	47.002	0.198	-39.572	-4976.298	-28.189	1.072
1.2 Dead+1.6 Wind 30 deg - No Ice	62.669	19.985	-34.297	-4377.033	-2547.660	1.999
0.9 Dead+1.6 Wind 30 deg - No Ice	47.002	19.985	-34.297	-4313.711	-2509.691	2.031
1.2 Dead+1.6 Wind 60 deg - No Ice	62.669	34.675	-19.825	-2525.563	-4423.030	2.679
0.9 Dead+1.6 Wind 60 deg - No Ice	47.002	34.675	-19.825	-2489.618	-4357.421	2.749
1.2 Dead+1.6 Wind 90 deg - No Ice	62.669	40.011	-0.206	-22.603	-5102.475	2.448
0.9 Dead+1.6 Wind 90 deg - No Ice	47.002	40.012	-0.206	-23.615	-5027.032	2.536
1.2 Dead+1.6 Wind 120 deg - No Ice	62.669	34.588	19.593	2505.302	-4410.071	1.513
0.9 Dead+1.6 Wind 120 deg - No Ice	47.002	34.588	19.593	2466.966	-4344.663	1.595
1.2 Dead+1.6 Wind 150 deg - No Ice	62.669	19.929	34.243	4378.757	-2542.525	0.108
0.9 Dead+1.6 Wind 150 deg - No Ice	47.002	19.929	34.243	4312.749	-2504.618	0.161
1.2 Dead+1.6 Wind 180 deg - No Ice	62.669	-0.260	39.571	5059.440	32.858	-0.946
0.9 Dead+1.6 Wind 180 deg - No Ice	47.002	-0.260	39.573	4983.745	32.826	-0.934
1.2 Dead+1.6 Wind 210 deg - No Ice	62.669	-20.304	34.237	4377.273	2592.057	-2.004

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
0.9 Dead+1.6 Wind 210 deg - No Ice	47.002	-20.304	34.237	4311.287	2554.291	-2.037
1.2 Dead+1.6 Wind 240 deg - No Ice	62.669	-34.767	19.925	2551.477	4431.922	-2.599
0.9 Dead+1.6 Wind 240 deg - No Ice	47.002	-34.767	19.925	2512.455	4367.071	-2.667
1.2 Dead+1.6 Wind 270 deg - No Ice	62.669	-40.039	0.297	47.741	5101.329	-2.614
0.9 Dead+1.6 Wind 270 deg - No Ice	47.002	-40.039	0.297	45.681	5026.549	-2.700
1.2 Dead+1.6 Wind 300 deg - No Ice	62.669	-34.633	-19.500	-2480.769	4411.176	-1.735
0.9 Dead+1.6 Wind 300 deg - No Ice	47.002	-34.633	-19.500	-2445.485	4346.642	-1.817
1.2 Dead+1.6 Wind 330 deg - No Ice	62.669	-19.756	-34.249	-4368.840	2512.088	0.062
0.9 Dead+1.6 Wind 330 deg - No Ice	47.002	-19.756	-34.249	-4305.652	2475.535	0.007
1.2 Dead+1.0 Ice+1.0 Temp	142.247	-0.000	-0.000	20.353	-8.068	-0.005
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	142.247	0.019	-12.593	-1885.268	-10.863	-0.477
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	142.247	6.318	-10.878	-1625.463	-961.985	0.872
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	142.247	11.181	-6.115	-901.993	-1700.114	2.239
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	142.247	12.783	0.131	42.590	-1940.834	2.830
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	142.247	11.098	6.344	981.384	-1686.367	2.342
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	142.247	6.524	10.922	1673.611	-996.733	1.209
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	142.247	0.220	12.684	1941.166	-45.195	0.129
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	142.247	-6.362	10.877	1665.911	953.299	-0.881
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	142.247	-10.995	6.306	974.673	1653.010	-1.888
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	142.247	-12.689	0.056	29.544	1908.643	-2.428
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	142.247	-11.002	-6.266	-927.494	1653.898	-2.405
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	142.247	-6.295	-10.922	-1632.525	942.145	-1.651
Dead+Wind 0 deg - Service	52.224	0.036	-7.226	-911.514	-6.391	0.193
Dead+Wind 30 deg - Service	52.224	3.649	-6.262	-789.575	-462.676	0.375
Dead+Wind 60 deg - Service	52.224	6.331	-3.620	-454.166	-802.440	0.516
Dead+Wind 90 deg - Service	52.224	7.305	-0.038	-0.714	-925.612	0.475
Dead+Wind 120 deg - Service	52.224	6.315	3.577	457.246	-800.075	0.294
Dead+Wind 150 deg - Service	52.224	3.638	6.252	796.643	-461.741	0.024
Dead+Wind 180 deg - Service	52.224	-0.048	7.226	920.137	4.828	-0.177
Dead+Wind 210 deg - Service	52.224	-3.707	6.251	796.391	468.470	-0.374
Dead+Wind 240 deg - Service	52.224	-6.348	3.638	465.628	801.810	-0.487
Dead+Wind 270 deg - Service	52.224	-7.310	0.054	12.029	923.105	-0.496
Dead+Wind 300 deg - Service	52.224	-6.323	-3.560	-446.037	798.017	-0.339
Dead+Wind 330 deg - Service	52.224	-3.607	-6.253	-788.074	453.968	-0.005

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.000	-52.224	0.000	0.000	52.224	0.001	0.002%
2	0.198	-62.669	-39.576	-0.198	62.669	39.573	0.004%
3	0.198	-47.002	-39.576	-0.198	47.002	39.572	0.007%
4	19.985	-62.669	-34.297	-19.985	62.669	34.297	0.000%
5	19.985	-47.002	-34.297	-19.985	47.002	34.297	0.000%

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
6	34.675	-62.669	-19.825	-34.675	62.669	19.825	0.000%
7	34.675	-47.002	-19.825	-34.675	47.002	19.825	0.000%
8	40.014	-62.669	-0.206	-40.011	62.669	0.206	0.004%
9	40.014	-47.002	-0.206	-40.012	47.002	0.206	0.003%
10	34.588	-62.669	19.593	-34.588	62.669	-19.593	0.000%
11	34.588	-47.002	19.593	-34.588	47.002	-19.593	0.000%
12	19.929	-62.669	34.243	-19.929	62.669	-34.243	0.000%
13	19.929	-47.002	34.243	-19.929	47.002	-34.243	0.000%
14	-0.260	-62.669	39.577	0.260	62.669	-39.571	0.009%
15	-0.260	-47.002	39.577	0.260	47.002	-39.573	0.007%
16	-20.304	-62.669	34.237	20.304	62.669	-34.237	0.000%
17	-20.304	-47.002	34.237	20.304	47.002	-34.237	0.000%
18	-34.767	-62.669	19.925	34.767	62.669	-19.925	0.000%
19	-34.767	-47.002	19.925	34.767	47.002	-19.925	0.000%
20	-40.040	-62.669	0.297	40.039	62.669	-0.297	0.001%
21	-40.040	-47.002	0.297	40.039	47.002	-0.297	0.003%
22	-34.633	-62.669	-19.500	34.633	62.669	19.500	0.000%
23	-34.633	-47.002	-19.500	34.633	47.002	19.500	0.000%
24	-19.756	-62.669	-34.249	19.756	62.669	34.249	0.000%
25	-19.756	-47.002	-34.249	19.756	47.002	34.249	0.000%
26	0.000	-142.247	0.000	0.000	142.247	0.000	0.000%
27	0.019	-142.247	-12.595	-0.019	142.247	12.593	0.001%
28	6.319	-142.247	-10.879	-6.318	142.247	10.878	0.001%
29	11.182	-142.247	-6.116	-11.181	142.247	6.115	0.001%
30	12.784	-142.247	0.131	-12.783	142.247	-0.131	0.001%
31	11.099	-142.247	6.345	-11.098	142.247	-6.344	0.001%
32	6.525	-142.247	10.923	-6.524	142.247	-10.922	0.001%
33	0.220	-142.247	12.686	-0.220	142.247	-12.684	0.001%
34	-6.362	-142.247	10.878	6.362	142.247	-10.877	0.001%
35	-10.996	-142.247	6.307	10.995	142.247	-6.306	0.001%
36	-12.690	-142.247	0.056	12.689	142.247	-0.056	0.001%
37	-11.003	-142.247	-6.267	11.002	142.247	6.266	0.001%
38	-6.295	-142.247	-10.923	6.295	142.247	10.922	0.001%
39	0.036	-52.224	-7.227	-0.036	52.224	7.226	0.002%
40	3.649	-52.224	-6.263	-3.649	52.224	6.262	0.002%
41	6.332	-52.224	-3.620	-6.331	52.224	3.620	0.002%
42	7.306	-52.224	-0.038	-7.305	52.224	0.038	0.002%
43	6.316	-52.224	3.578	-6.315	52.224	-3.577	0.002%
44	3.639	-52.224	6.253	-3.638	52.224	-6.252	0.002%
45	-0.048	-52.224	7.227	0.048	52.224	-7.226	0.002%
46	-3.707	-52.224	6.252	3.707	52.224	-6.251	0.002%
47	-6.348	-52.224	3.638	6.348	52.224	-3.638	0.002%
48	-7.311	-52.224	0.054	7.310	52.224	-0.054	0.002%
49	-6.324	-52.224	-3.561	6.323	52.224	3.560	0.002%
50	-3.607	-52.224	-6.254	3.607	52.224	6.253	0.002%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	8	0.00000001	0.00001780
2	Yes	15	0.00005082	0.00007217
3	Yes	14	0.00007656	0.00013083
4	Yes	19	0.00000001	0.00006663
5	Yes	18	0.00000001	0.00010911
6	Yes	19	0.00000001	0.00006403
7	Yes	18	0.00000001	0.00010449
8	Yes	15	0.00005071	0.00011336
9	Yes	15	0.00003149	0.00008863
10	Yes	19	0.00000001	0.00006679
11	Yes	18	0.00000001	0.00010918
12	Yes	19	0.00000001	0.00006534
13	Yes	18	0.00000001	0.00010655
14	Yes	14	0.00011964	0.00014430
15	Yes	14	0.00007647	0.00011738
16	Yes	19	0.00000001	0.00006625
17	Yes	18	0.00000001	0.00010802
18	Yes	19	0.00000001	0.00006862
19	Yes	18	0.00000001	0.00011212
20	Yes	16	0.00002107	0.00007793
21	Yes	15	0.00003149	0.00013468
22	Yes	19	0.00000001	0.00006260
23	Yes	18	0.00000001	0.00010227
24	Yes	19	0.00000001	0.00006491
25	Yes	18	0.00000001	0.00010638
26	Yes	14	0.00000001	0.00001497
27	Yes	18	0.00009241	0.00005212
28	Yes	18	0.00009199	0.00011646
29	Yes	18	0.00009206	0.00010850
30	Yes	18	0.00009254	0.00006160
31	Yes	18	0.00009210	0.00013557
32	Yes	18	0.00009217	0.00012504
33	Yes	18	0.00009271	0.00005513
34	Yes	18	0.00009224	0.00011937
35	Yes	18	0.00009212	0.00012803
36	Yes	18	0.00009254	0.00005857
37	Yes	18	0.00009204	0.00010662
38	Yes	18	0.00009198	0.00011711
39	Yes	14	0.00009801	0.00002998
40	Yes	14	0.00009791	0.00003151
41	Yes	14	0.00009795	0.00002481
42	Yes	14	0.00009812	0.00003241
43	Yes	14	0.00009809	0.00003460
44	Yes	14	0.00009817	0.00002828
45	Yes	14	0.00009831	0.00003068
46	Yes	14	0.00009815	0.00002732
47	Yes	14	0.00009806	0.00003542
48	Yes	14	0.00009809	0.00003269
49	Yes	14	0.00009792	0.00002474
50	Yes	14	0.00009790	0.00002976

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	176 - 130.75	26.633	46	1.400	0.009
L2	135.25 - 86.12	15.352	47	1.167	0.003
L3	91.87 - 43	6.616	47	0.725	0.001
L4	50 - 1	1.839	47	0.346	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	*Appurtenance*	*Gov. Load Comb.*	*Deflection in*	*Tilt °*	*Twist °*	*Radius of Curvature ft*
176.0000	24" x 24" x 3" Panel	46	26.633	1.400	0.009	44718
170.0000	Scala 800-10121	46	24.884	1.373	0.008	37265
164.5000	4 ft Grid	46	23.290	1.347	0.007	19442
160.0000	AIR21 B2A/B4P w/ mount pipe	46	22.000	1.325	0.006	13974
154.0000	VHLP800-11	46	20.307	1.293	0.005	10162
150.0000	APXVSPP18-C-A20_TIA w/ Mount Pipe	46	19.201	1.270	0.005	8599
137.0000	ANT150D3	47	15.787	1.181	0.003	5768
116.0000	(2) NHH-65B-R2B_TIA w/ Mount Pipe	47	10.993	0.984	0.002	5678
104.8300	ANT150D3	47	8.819	0.864	0.001	5796
104.5000	4 ft Grid	47	8.758	0.860	0.001	5800
99.0000	VHLP1-18/F	47	7.785	0.801	0.001	5857
78.0000	GPS	47	4.638	0.588	0.001	5891
70.0000	Side Arm Mount	47	3.674	0.514	0.001	5872
51.0000	VHLP1-18/F	47	1.912	0.354	0.000	5879
35.2500	GPS	47	0.991	0.235	0.000	8332

Maximum Tower Deflections - Design Wind

Section No.	*Elevation ft*	*Horz. Deflection in*	*Gov. Load Comb.*	*Tilt °*	*Twist °*
L1	176 - 130.75	146.125	18	7.636	0.047
L2	135.25 - 86.12	84.614	18	6.422	0.014
L3	91.87 - 43	36.506	18	4.007	0.005
L4	50 - 1	10.150	18	1.911	0.002

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	*Appurtenance*	*Gov. Load Comb.*	*Deflection in*	*Tilt °*	*Twist °*	*Radius of Curvature ft*
176.0000	24" x 24" x 3" Panel	18	146.125	7.636	0.049	8711
170.0000	Scala 800-10121	18	136.614	7.498	0.042	7259
164.5000	4 ft Grid	18	127.947	7.367	0.037	3786
160.0000	AIR21 B2A/B4P w/ mount pipe	18	120.926	7.253	0.033	2719
154.0000	VHLP800-11	18	111.710	7.089	0.028	1976
150.0000	APXVSPP18-C-A20_TIA w/ Mount Pipe	18	105.686	6.969	0.025	1670
137.0000	ANT150D3	18	87.002	6.497	0.016	1116
116.0000	(2) NHH-65B-R2B_TIA w/ Mount Pipe	18	60.643	5.430	0.008	1072
104.8300	ANT150D3	18	48.656	4.772	0.006	1078
104.5000	4 ft Grid	18	48.323	4.753	0.006	1078
99.0000	VHLP1-18/F	18	42.957	4.424	0.005	1080
78.0000	GPS	18	25.588	3.247	0.003	1073
70.0000	Side Arm Mount	18	20.273	2.840	0.003	1068
51.0000	VHLP1-18/F	18	10.549	1.955	0.002	1068
35.2500	GPS	18	5.469	1.297	0.001	1512

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	176 - 130.75 (1)	TP31.8x21x0.25	45.2500	0.0000	0.0	24.1827	-16.886	1698.250	0.010
L2	130.75 - 86.12 (2)	TP41.82x30.226x0.3125	49.1300	0.0000	0.0	39.8244	-29.446	2747.890	0.011
L3	86.12 - 43 (3)	TP51.36x39.8381x0.375	48.8700	0.0000	0.0	58.7205	-42.500	4018.070	0.011
L4	43 - 1 (4)	TP60.5x48.9596x0.4375	49.0000	0.0000	0.0	83.4043	-62.639	5618.130	0.011

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	176 - 130.75 (1)	TP31.8x21x0.25	586.005	1063.908	0.551	0.000	1063.908	0.000
L2	130.75 - 86.12 (2)	TP41.82x30.226x0.3125	1789.992	2268.908	0.789	0.000	2268.908	0.000
L3	86.12 - 43 (3)	TP51.36x39.8381x0.375	3233.592	4077.308	0.793	0.000	4077.308	0.000
L4	43 - 1 (4)	TP60.5x48.9596x0.4375	5113.900	6942.808	0.737	0.000	6942.808	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	176 - 130.75 (1)	TP31.8x21x0.25	22.430	849.124	0.026	1.736	2133.050	0.001
L2	130.75 - 86.12 (2)	TP41.82x30.226x0.3125	32.496	1373.950	0.024	2.393	4548.700	0.001
L3	86.12 - 43 (3)	TP51.36x39.8381x0.375	36.458	2009.040	0.018	2.713	8173.958	0.000
L4	43 - 1 (4)	TP60.5x48.9596x0.4375	40.118	2809.060	0.014	2.599	13917.916	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	176 - 130.75 (1)	0.010	0.551	0.000	0.026	0.001	0.561	1.000	4.8.2
L2	130.75 - 86.12 (2)	0.011	0.789	0.000	0.024	0.001	0.800	1.000	4.8.2
L3	86.12 - 43 (3)	0.011	0.793	0.000	0.018	0.000	0.804	1.000	4.8.2
L4	43 - 1 (4)	0.011	0.737	0.000	0.014	0.000	0.748	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	176 - 130.75	Pole	TP31.8x21x0.25	1	-16.886	1698.250	56.1	Pass
L2	130.75 - 86.12	Pole	TP41.82x30.226x0.3125	2	-29.446	2747.890	80.0	Pass
L3	86.12 - 43	Pole	TP51.36x39.8381x0.375	3	-42.500	4018.070	80.4	Pass
L4	43 - 1	Pole	TP60.5x48.9596x0.4375	4	-62.639	5618.130	74.8	Pass
						Summary		
						Pole (L3)	80.4	Pass
						RATING =	**80.4**	**Pass**

APPENDIX B

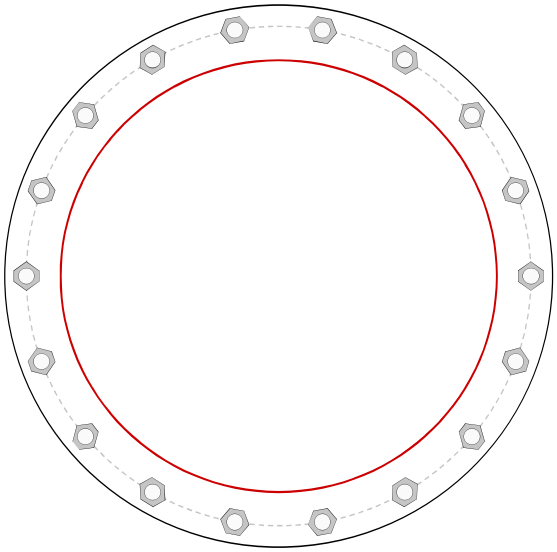
ADDITIONAL CALCULATIONS

Monopole Base Plate Connection

Site Info	
Site Name	
Order #	

Analysis Considerations	
TIA-222 Revision	
Grout Considered:	No
$_{ar}$ (in)	0
Eta Factor, η	0.5

Applied Loads	
Moment (kip-ft)	
Axial Force (kips)	
Shear Force (kips)	



Connection Properties

Anchor Rod Data

(18) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 70" BC

Base Plate Data

76" OD x 2.25" Plate (A633 Gr. E; Fy=60 ksi, Fu=70 ksi)

Stiffener Data

Pole Data

60.5" x 0.4375" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Anchor Rod Summary *(units of kips, kip-in)*

Pu_c = 198.21	ϕPn_t = 260	**Stress Rating**
Vu = 2.23	ϕVn = n/a	
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	(Flexural)
Allowable Stress (ksi):	
Stress Rating:	**Pass**

PAUL J. FORD & COMPANY
250 E Broad St, Ste 600 • Columbus, OH 43215
Phone 614.221.6679 www.pauljford.com

Job Number: 42921-0004.003.7805
Site Number:
Site Name: Berlin 4, CT

Page: 1
By: NCM
Date: 4/23/2021

DRILLED PIER SOIL AND STEEL ANALYSIS - TIA-222-G

Factored Base Reactions from RISA

	Comp. (+)	Tension (-)	
Moment, Mu =	5114.0		k-ft
Shear, Vu =	40.0		kips
Axial Load, Pu1 =	63.0		kips (from 1.2D + 1.6W)*
Axial Load, Pu2 =	47.3	0.0	kips (from 0.9D + 1.6W)**
OTMu =	5274.0	0.0	k-ft @ Ground

***Axial Load, Pu1 will be used for Soil Compression Analysis.**
****Axial Load, Pu2 will be used for Steel Analysis.**

Safety Factors / Load Factors / Φ Factors

Tower Type =	Monopole DP
ACI Code =	ACI 318-08
Seismic Design Category =	D
Reference Standard =	TIA-222-G
Use 1.3 Load Factor?	No
Load Factor =	1.00

Drilled Pier Parameters

Diameter =	7.5 ft
Height Above Grade =	4 ft
Depth Below Grade =	35 ft
fc' =	4 ksi
εc =	0.003 in/in
L / D Ratio =	5.20
Mat Ftdn. Cap Width =	ft
Mat Ftdn. Cap Length =	ft
Depth Below Grade =	ft

	Safety Factor	Φ Factor
Soil Lateral Resistance =	2.00	0.75
Skin Friction =	2.00	0.75
End Bearing =	2.00	0.75
Concrete Wt. Resist Uplift =	1.25	

Load Combinations Checked per TIA-222-G

1. (0.75) Ult. Skin Friction + (0.75) Ult. End Bearing + (1.2) Effective Soil Wt. - (1.2) Buoyant Conc. Wt. ≥ Comp.
2. (0.75) Ult. Skin Friction + (0.9) Buoyant Conc. Wt. ≥ Uplift

Steel Parameters

Number of Bars =	30
Rebar Size =	#11
Rebar Fy =	60 ksi
Rebar MOE =	29000 ksi
Tie Size =	#4
Side Clear Cover to Ties =	4 in

Soil Parameters

Water Table Depth =	99.00 ft
Depth to Ignore Soil =	3.50 ft
Depth to Full Cohesion =	0 ft
Full Cohesion Starts at?*	Ground

Above Full Cohesion Lateral Resistance = 4(Cohesion)(Dia)(H)
Below Full Cohesion Lateral Resistance = 8(Cohesion)(Dia)(H)

Direct Embed Pole Shaft Parameters

Dia @ Grade =	in
Dia @ Depth Below Grade =	in
Number of Sides =	
Thickness =	in
Fy =	ksi
Backfill Condition =	

Maximum Capacity Ratios

Maximum Soil Ratio =	110.0%
Maximum Steel Ratio =	105.0%

*Note: The drilled pier foundation was analyzed using the methodology in the software 'PLS-Caisson' (Version 8.10, or newer, by Power Line Systems, Inc.). Per the methods in PLS-Caisson, the soil reactions of cohesive soils are calculated using 8CD independent of the depth of the soil layer. The depth of soil to be ignored at the top of the drilled pier is based the recommendations of the site specific geotechnical report. In the absence of any recommendations, the frost depth at the site or one half of the drilled pier diameter (whichever is greater) shall be ignored.

Define Soil Layers

Note: Cohesion = Undrained Shear Strengh = Unconfined Compressive Strength / 2

Layer	Thickness ft	Unit Weight pcf	Cohesion psf	Friction Angle degrees	Soil Type	Ultimate End Bearing psf	Comp. Ult. Skin Friction psf	Tension Ult. Skin Friction psf	Depth ft
1	2.17	120		30	Sand				2.17
2	6	120		30	Sand				8.17
3	5	120		30	Sand				13.17
4	35	120		30	Sand	6000			48.17
5									
6									
7									
8									
9									
10									
11									
12									

Soil Results: Overturning

Depth to COR =	25.39	ft, from Grade
Bending Moment, Mu =	6289.41	k-ft, from COR
Resisting Moment, ΦMn =	24633.23	k-ft, from COR

MOMENT RATIO = 25.5% OK

Shear, Vu =	40.00	kips
Resisting Shear, ΦVn =	156.66	kips

SHEAR RATIO = 25.5% OK

Soil Results: Uplift

Uplift, Tu =	0.00	kips
Uplift Capacity, ΦTn =	232.60	kips

UPLIFT RATIO = 0.0% OK

Soil Results: Compression

Compression, Cu =	63.00	kips
Comp. Capacity, ΦCn =	111.33	kips

COMPRESSION RATIO = 56.6% OK

Steel Results (ACI 318-08):

Minimum Steel Area =	21.21	sq in
Actual Steel Area =	46.80	sq in
Axial, ΦPn (min) =	-2527.20	kips, Where ΦMn = 0 k-ft
Axial, ΦPn (max) =	12624.95	kips, Where ΦMn = 0 k-ft

Axial Load, Pu =	112.86	kips @ 7.00 ft Below Grade
Moment, Mu =	5509.66	k-ft @ 7.00 ft Below Grade
Moment, ΦMn =	8112.87	k-ft

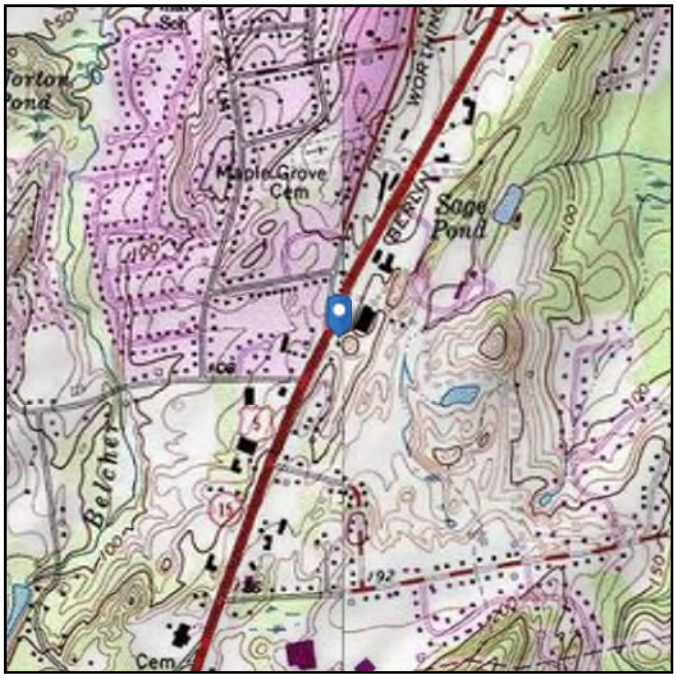
MOMENT RATIO = 67.9% OK

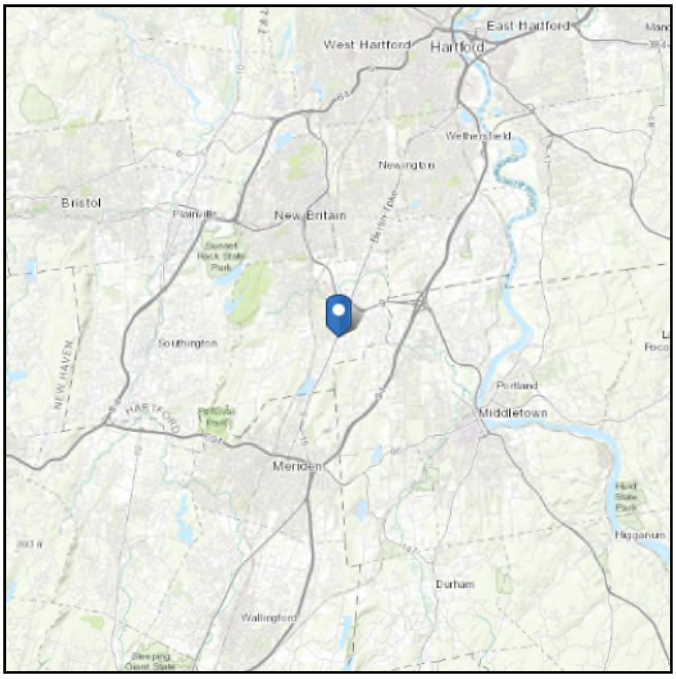
ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-10
Risk Category: III
Soil Class: D - Stiff Soil

Elevation: 144.79 ft (NAVD 88)
Latitude: 41.606217
Longitude: -72.749686





Wind

Results:

Wind Speed:	134 Vmph	135 mph as per jurisdiction requirements
10-year MRI	77 Vmph	
25-year MRI	87 Vmph	
50-year MRI	93 Vmph	
100-year MRI	100 Vmph	

Data Source: ASCE/SEI 7-10, Fig. 26.5-1B and Figs. CC-1–CC-4, incorporating errata of March 12, 2014

Date Accessed: Tue Feb 02 2021

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-10 Standard. Wind speeds correspond to approximately a 3% probability of exceedance in 50 years (annual exceedance probability = 0.000588, MRI = 1,700 years).

Site is in a hurricane-prone region as defined in ASCE/SEI 7-10 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Mountainous terrain, gorges, ocean promontories, and special wind regions should be examined for unusual wind conditions.

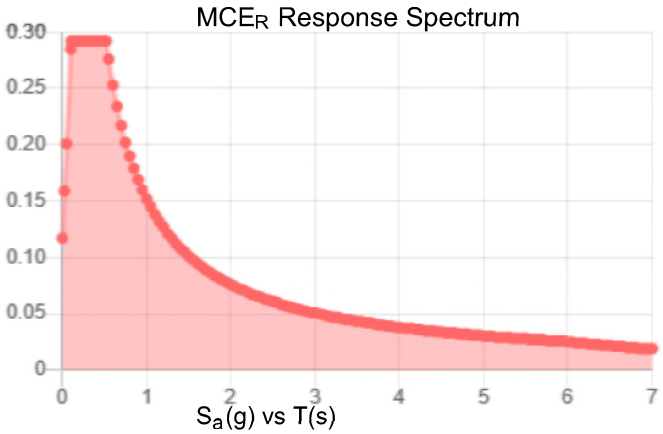
Seismic

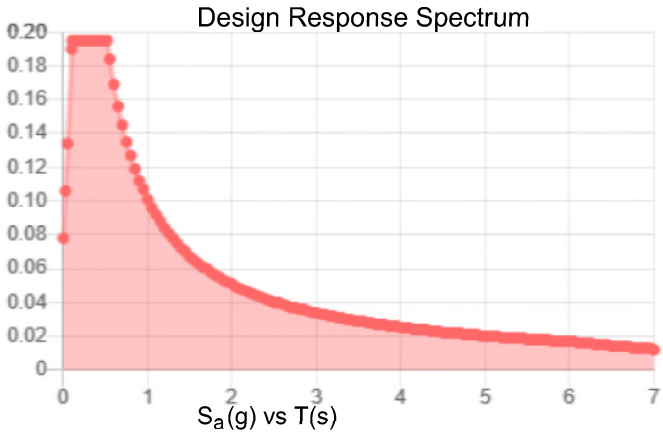
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.182	S_{DS} :	0.195
S_1 :	0.063	S_{D1} :	0.101
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.093
S_{MS} :	0.292	PGA_M :	0.149
S_{M1} :	0.152	F_{PGA} :	1.6
		I_e :	1.25

Seismic Design Category B





Data Accessed: Tue Feb 02 2021

Date Source: USGS Seismic Design Maps based on ASCE/SEI 7-10, incorporating Supplement 1 and errata of March 31, 2013, and ASCE/SEI 7-10 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-10 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	5 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Tue Feb 02 2021

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 50-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

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

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10030682
Maser Consulting Connecticut Project #: 20777353A

January 28, 2021

Site Information	*Site ID:*	*467999-VZW / Berlin 4 CT*
	Site Name:	*Berlin 4 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*1657 Berlin Turnpike* *Berlin, Connecticut 06037* *Hartford County*
	Latitude:	*41.606217°*
	Longitude:	*-72.749686°*
Structure Information	*Tower Type:*	*150-Ft Monopole*
	Mount Type:	*14.50-Ft Platform*

FUZE ID # 16244661

Analysis Results

Platform: **70.6% 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: Prasanna Dhakal

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: 323438, dated December 08, 2020*
Mount Mapping Report	*Tower Engineering Professionals, Site ID: 467999, dated December 01, 2020*
Previous Mount Analysis	*Maser Consulting Connecticut, Project # 20777353A, dated December 15, 2020*
Mount Modification Drawing	*Maser Consulting Connecticut, Project # 20777353A, dated January 28, 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:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.995
Seismic Parameters:	S_S:	0.202
	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
			Commscope		Added
			-	Licensed Sub 6 Antenna	
			Samsung		
			Samsung		
			Amphenol Antel		Retained

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
Standoff Horizontal	*31.7%*	*Pass*
Platform Crossmember	*16.8%*	*Pass*
Corner Plate	*17.0%*	*Pass*
Grating Support	*13.8%*	*Pass*
Cross Arm Plate	*36.2%*	*Pass*
Face Horizontal	*16.2%*	*Pass*
Mount Pipe	*45.7%*	*Pass*
Support Rail	*19.8%*	*Pass*
Support Rail Corner	*32.4%*	*Pass*
Mount Connection (Bolt)	*20.9%*	*Pass*
Mount Connection (Weld)	*70.6%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**70.6%**

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:

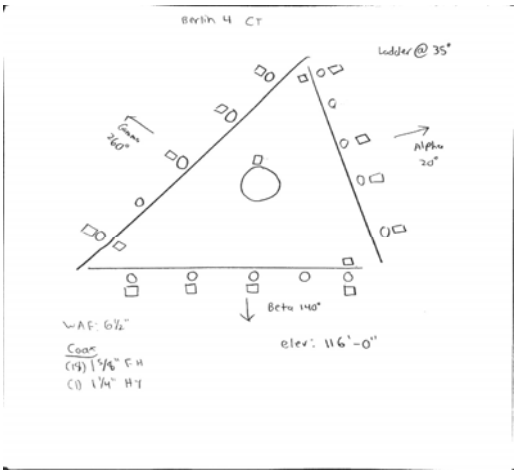
Mount Photos
Mount Mapping Report (for reference only)
Analysis Calculations
Contractor Required PMI Report Deliverables
Antenna Placement Diagrams
TIA Adoption and Wind Speed Usage Letter

V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC #: N/A

Tower Owner:	Vertical Network Management Inc.	**Mapping Date:**	12/1/2020
Site Name:	Berlin 4 CT	**Tower Type:**	Monopole
Site Number or ID:	467999	**Tower Height (Ft.):**	150
Mapping Contractor:	TEP	**Mount Elevation (Ft.):**	116



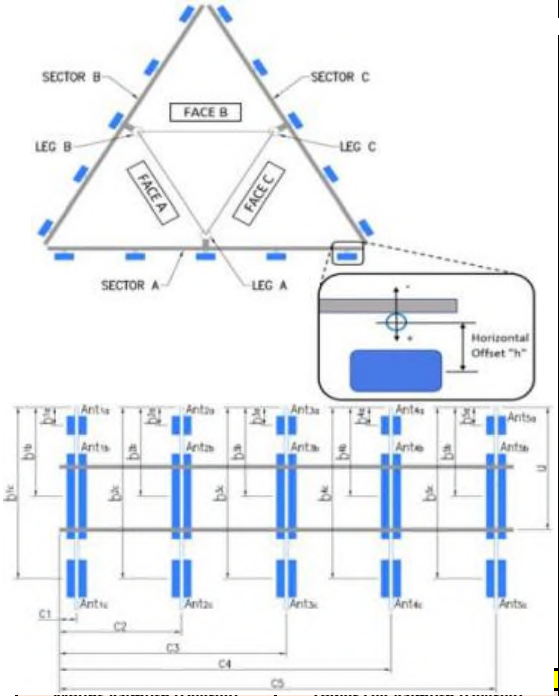
Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2.4"Øx0.154"x6'-0"	63.00	15.00	C1	2.4"Øx0.154"x6'-0"	63.00	15.00
A2	2.4"Øx0.154"x6'-0"	63.00	39.00	C2	2.4"Øx0.154"x6'-0"	63.00	39.00
A3	2.4"Øx0.154"x7'-0"	52.00	85.00	C3	2.4"Øx0.154"x7'-0"	52.00	85.00
A4	2.4"Øx0.154"x7'-0"	71.00	135.00	C4	2.4"Øx0.154"x6'-0"	63.00	135.00
A5	2.4"Øx0.154"x6'-0"	63.00	159.00	C5	2.4"Øx0.154"x6'-0"	63.00	159.00
A6				C6			
B1	2.4"Øx0.154"x6'-0"	63.00	15.00	D1			
B2	2.4"Øx0.154"x6'-0"	63.00	36.00	D2			
B3	2.4"Øx0.154"x7'-0"	52.00	85.00	D3			
B4	2.4"Øx0.154"x6'-0"	63.00	135.00	D4			
B5	2.4"Øx0.154"x6'-0"	63.00	159.00	D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

Please enter additional infomation or comments below.

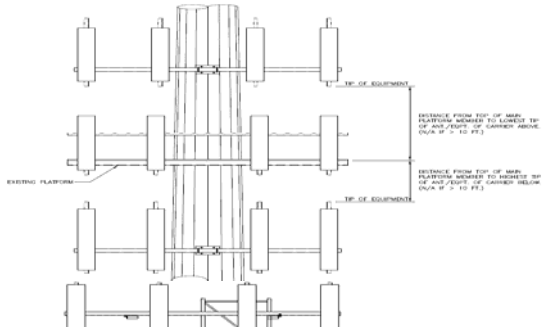
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	36.86



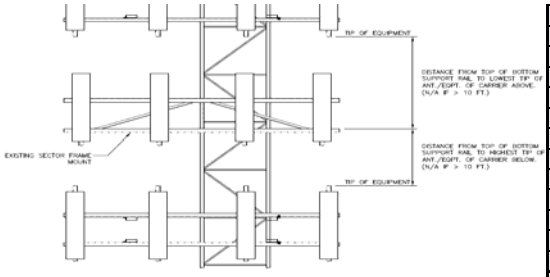
Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	20.00	Deg	Leg A:	Deg
Sector B:	140.00	Deg	Leg B:	Deg
Sector C:	260.00	Deg	Leg C:	Deg
Sector D:		Deg	Leg D:	Deg

Climbing Facility Information

Location:	35.00	Deg	Sector A
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.



Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	BXA 171063-12CF ED	6.10	4.10	72.50	1) 1 5/8 F	117.75	42.00	8.00	20.00	117
Ant_{1c}	9442 RRH2x40-AWS	10.63	6.70	24.40		118.75	30.00	7.00		120
Ant_{2a}										
Ant_{2b}	Empty					121.25				
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	LNX-6514DS-T4M	11.90	7.10	48.50	1) 1 5/8 F	117.667	32.00	13.00	20.00	135
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-185060/12CF	6.06	3.15	48.75	1) 1 5/8 F	118.417	42.00	8.00	20.00	146
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	BXA-70063-6CF-EDIN	11.30	6.00	71.00	1) 1 5/8 F	119.083	26.00	14.00	20.00	156
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on										
Ant on										
Sector B										
Ant_{1a}										
Ant_{1b}	BXA 171063-12CF ED	6.10	4.10	72.50	1) 1 5/8 F	117.75	42.00	8.00	140.00	170
Ant_{1c}	9442 RRH2x40-AWS	10.63	6.70	24.40		118.75	30.00	7.00		172
Ant_{2a}										
Ant_{2b}	Empty					121.25				
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	LNX-6514DS-T4M	11.90	7.10	48.50	1) 1 5/8 F	117.667	32.00	13.00	140.00	177
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	MGD3-900T0	12.20	4.33	52.76	1) 1 5/8 F	119.25	24.00	8.00	140.00	180
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	BXA-70063-6CF-EDIN	11.30	6.00	71.00	1) 1 5/8 F	119.083	26.00	14.00	140.00	189
Ant_{5c}										
Ant on										
Ant on										
Ant on										
Ant on										
Sector C										
Ant_{1a}										
Ant_{1b}	BXA 171063-12CF ED	6.10	4.10	72.50	1) 1 5/8 F	117.75	42.00	8.00	260.00	197
Ant_{1c}	9442 RRH2x40-AWS	10.63	6.70	24.40		118.75	30.00	7.00		200
Ant_{2a}										
Ant_{2b}	Empty					121.25				
Ant_{2c}										



Ant_{3a}										
Ant_{3b}	LNX-6514DS-T4M	11.90	7.10	48.50	1) 1 5/8 F	117.667	32.00	13.00	260.00	205
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	MGD3-900T0	12.20	4.33	52.76	1) 1 5/8 F	119.25	24.00	8.00	260.00	207
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	BXA-70063-6CF-EDIN	11.30	6.00	71.00	1) 1 5/8 F	119.083	26.00	14.00	260.00	210
Ant_{5c}										
Ant on										
Ant on	RRFDC-3315-PF-48	15.73	10.30	28.93	1 1/4 Hybrid					219
Ant on										
Ant on										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on										
Ant on										
Ant on										
Ant on										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1		
2		
3		
4		
5		
6		
7		
8		

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

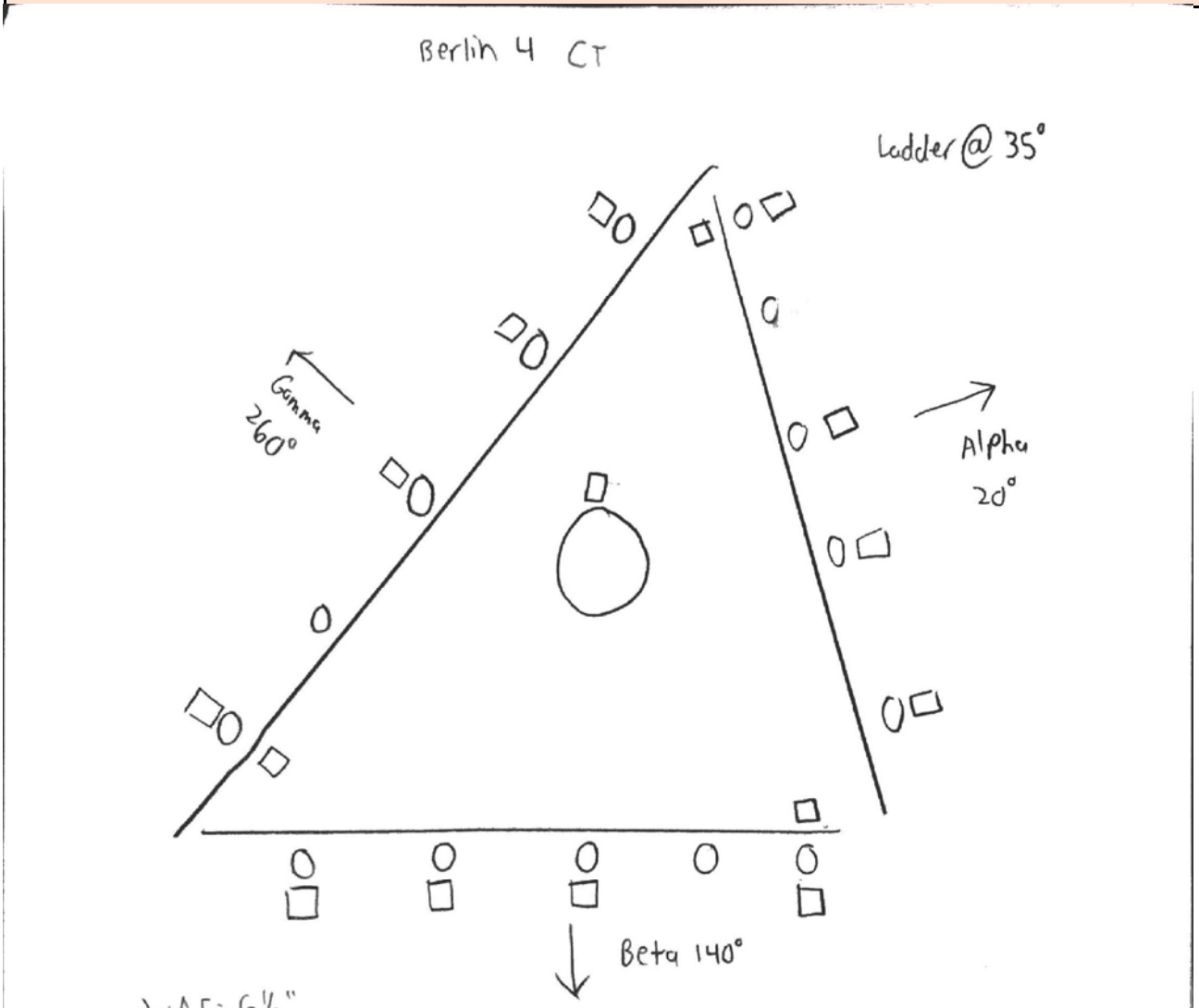
Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the

Antenna Mount Mapping Form (PATENT PENDING)

FCC # N/A

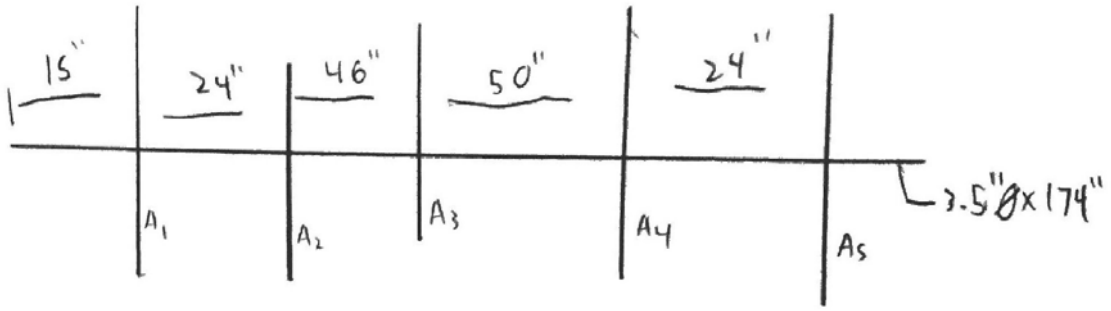
Tower Owner:	Vertical Network Management Inc.	**Mapping Date:**	12/1/2020
Site Name:	Berlin 4 CT	**Tower Type:**	Monopole
Site Number or ID:	467999	**Tower Height (Ft.):**	150
Mapping Contractor:	TEP	**Mount Elevation (Ft.):**	116

Please Insert Sketches of the Antenna Mount



Please Insert Sketches of the Antenna Mount, cont'd

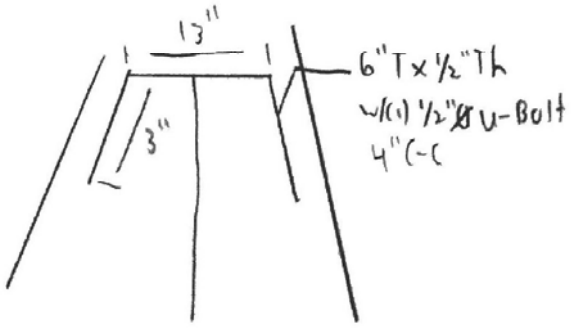
Front



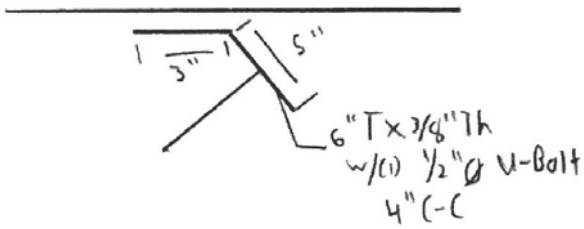
MP Connection

BPL 6½"w x ⅜"T x 2½"D x ⅜"
w/(2) ½"Ø U-Bolts
MP: 3"C-CH, 6"C-CV
FP: 4"C-C

HSS-Corner Connection

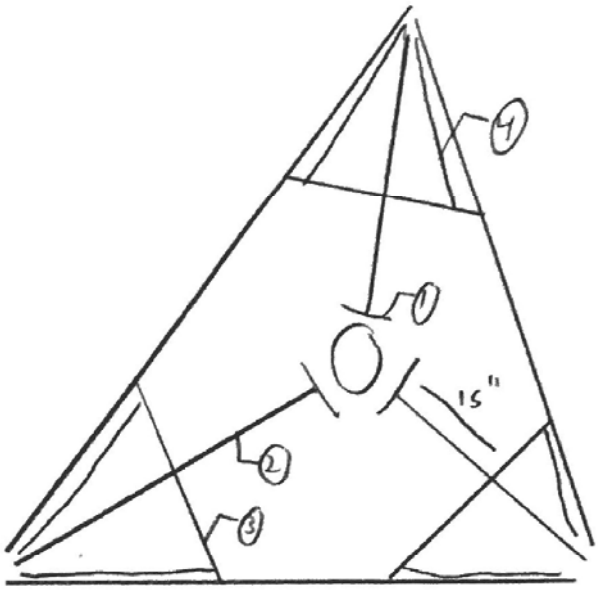


HSS- Front Connection



Please Insert Sketches of the Antenna Mount, cont'd

Steel Plan View



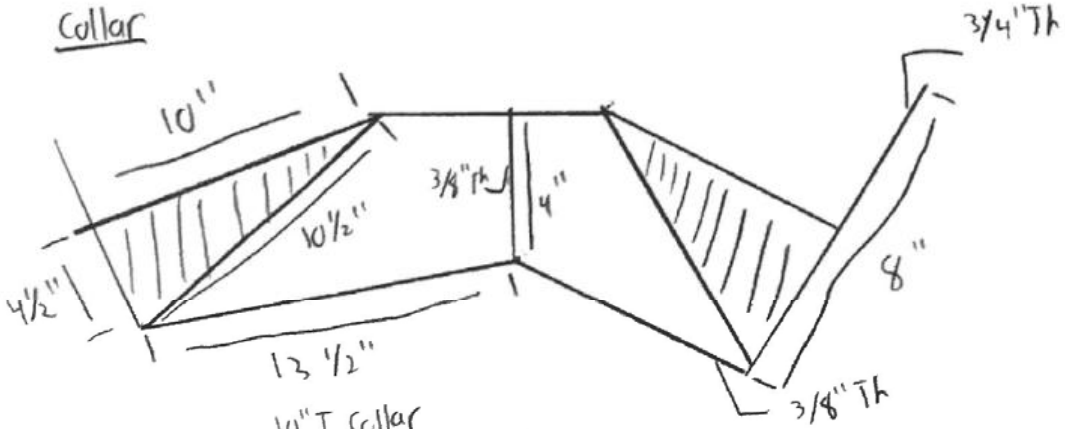
①: PL 10"x10"x 5/8"
w/(4) 5/8"Ø Bolts 8"C-C

②: HSS 4"x4"x 1/4" x 62 1/2" L
welded

③: HSS 4"x4"x1/4"
welded

④: L 2"x2"x 3/16"
welded

Collar



10" T collar
w/(3) 3/4"Ø T.R. 3 1/2" C-C
C.S. 14 1/4"

Please Insert Sketches of the Antenna Mount, cont'd

Alpha

	M P	Model	U	B	H
A_1	2.4"Ø x 6'-0"	BXA 171063/12 F EDIN 2	63"	42"	8"
A_2	2.4"Ø x 6'-0"	Empty	63"	—	—
A_3	2.4"Ø x 7'-0"	LNX 6514 DS T4M	52"	32"	13"
A_4	2.4"Ø x 7'-0"	BXA-185060/12 C F	71"	42"	8"
A_5	2.4"Ø x 6'-0"	BXA-70063-6CF-EDIN	63"	26"	14"
E_1	Pos 1	9442 RRH 2x40 AWS	—	30"	7"

Beta

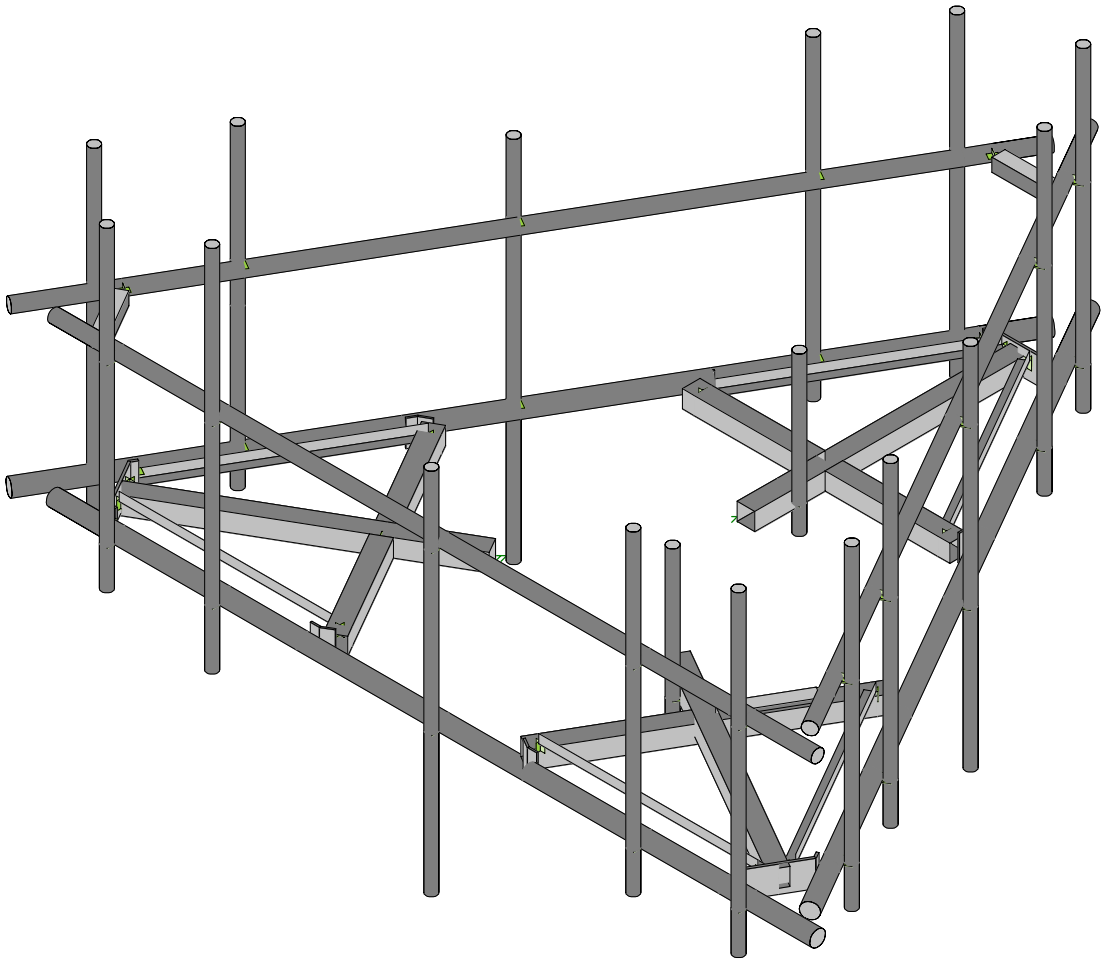
	M P	model	u	B	H
A_1	2.4"Ø x 6'-0"	BXA 171063/12 F EDIN 2	63"	42"	8"
A_2	2.4"Ø x 6'-0"	Empty	63"	—	—
A_3	2.4"Ø x 7'-0"	LNX 6514 DS T4M	52"	32"	13"
A_4	2.4"Ø x 6'-0"	MGD3-90070	63"	24"	8"
A_5	2.4"Ø x 6'-0"	BXA-70063-6CF-EDIN	63"	26"	14"
E_1	Pos 1	9442 RRH 2x40-AWS	—	30"	7"

Please Insert Sketches of the Antenna Mount, cont'd

Gamma

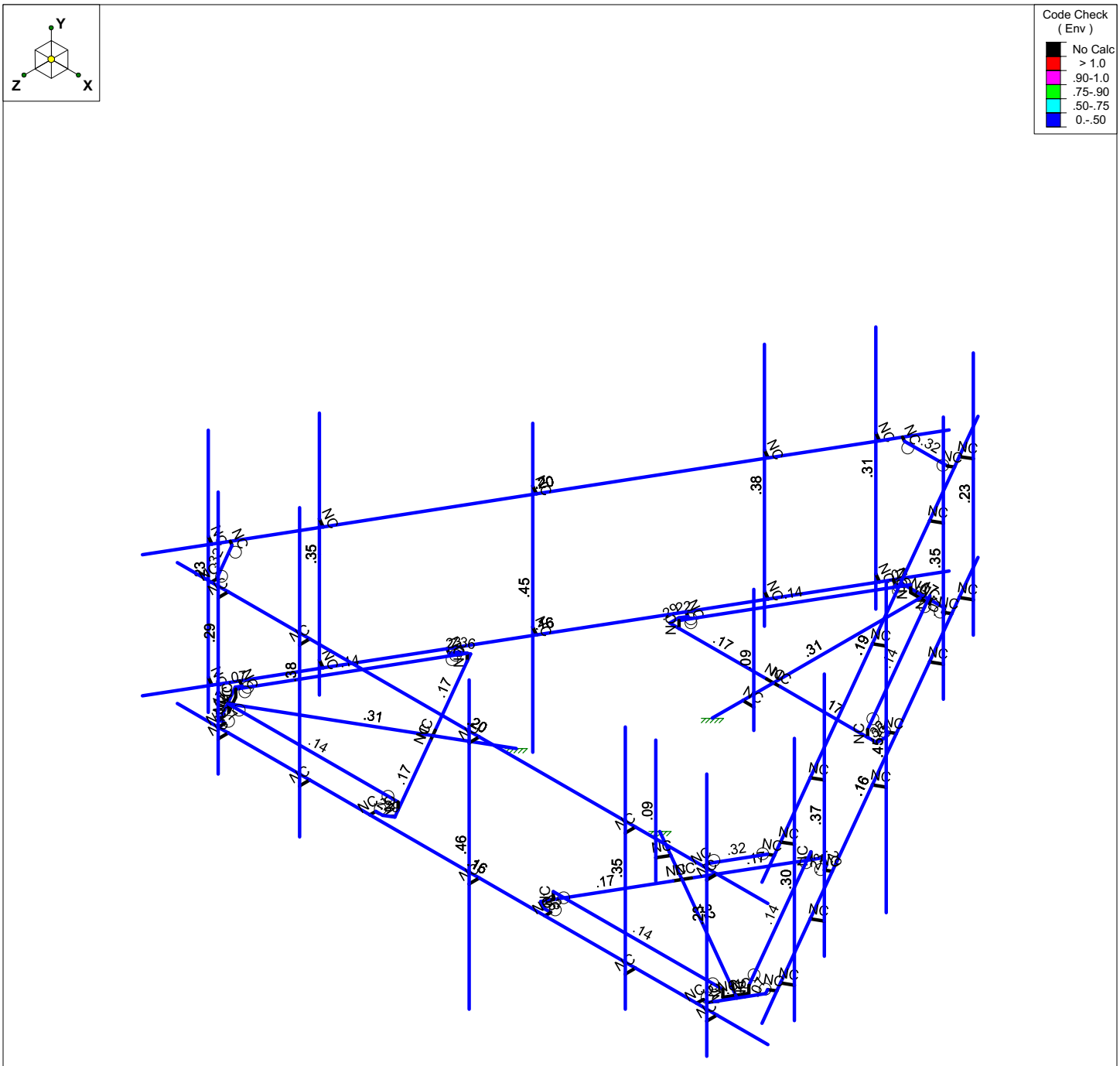
	M P	Model	L	B	H
A_1	2.4" Ø x 6'-0"	BXA 171063'22FEDIN	63"	42"	8"
A_2	2.4" Ø x 6'-0"	Empty	63"	–	–
A_3	2.4" Ø x 7'-0"	LNX 6514DS T4M	52"	32"	13"
A_4	2.4" Ø x 6'-0"	M 6 DB-90070	63"	24"	8"
A_5	2.4" Ø x 6'-0"	BXA-70063-4BF-EDIN	63"	22"	9"
F_1	POS 1	9442 RRH 2x40-AWS	–	30"	7"

(1) Ray cap Directly mounted to Tower
RRFDC-3315-PF-48



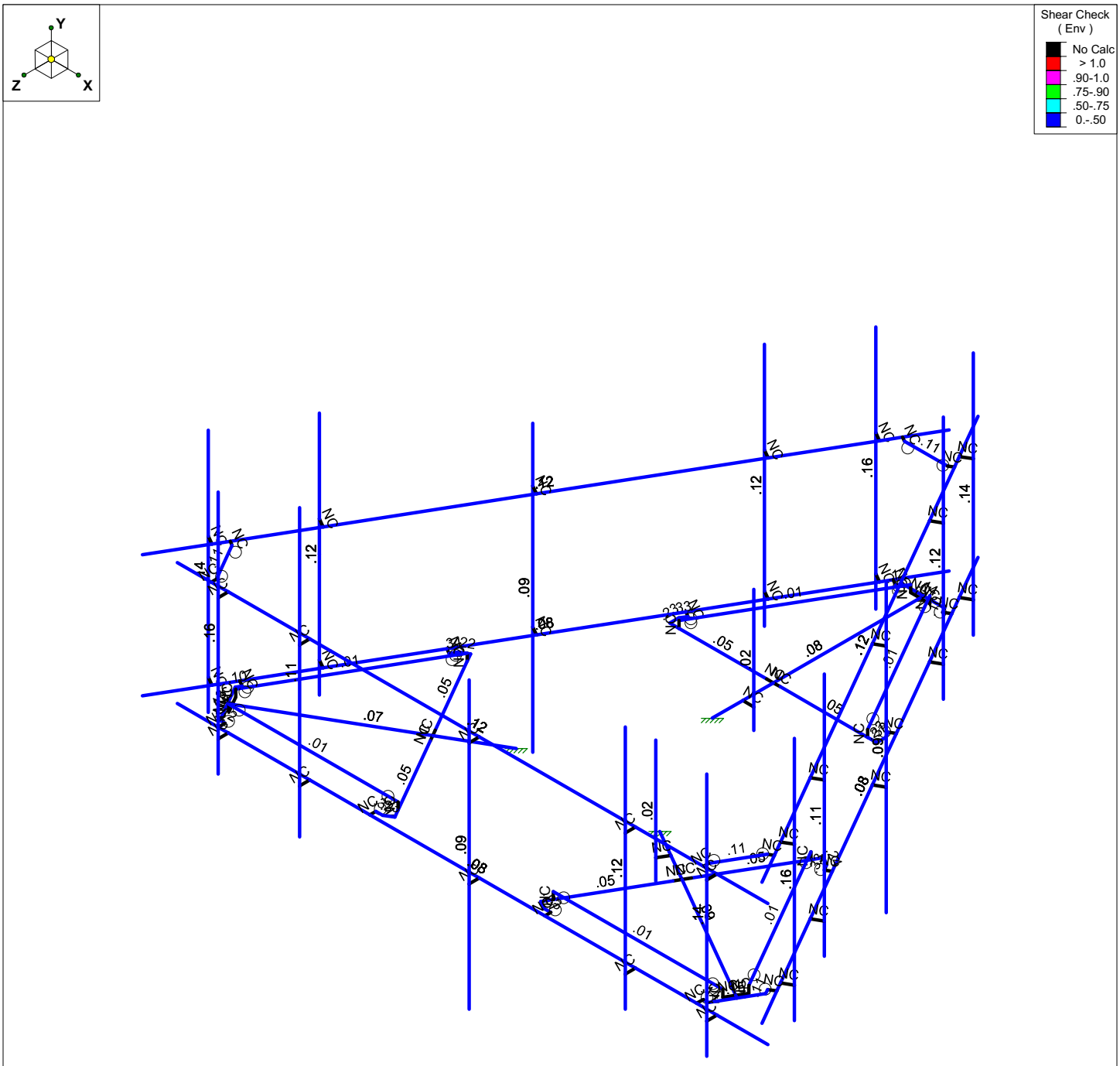
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 1
		Jan 21, 2021 at 7:37 PM
Project # 20777353A		467999-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 4
		Jan 21, 2021 at 7:40 PM
Project # 20777353A		467999-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 5
		Jan 21, 2021 at 7:41 PM
Project # 20777353A		467999-VZW_MT_LO_H.r3d

Basic Load Cases

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

Basic Load Cases (Continued)

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

Load Combinations

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

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N3	-0.	0	-2.035833	0	
2	N5	-2.541667	0	-3.535833	0	
3	N6	2.315104	0.166667	-3.535833	0	
4	N7	-2.315104	0.166667	-3.535833	0	
5	N24	-0.	0	-3.535833	0	
6	N27	-0.	0	-7.223333	0	
7	CP	0	0	0	0	
8	N29	2.315104	0	-3.535833	0	
9	N30	-2.315104	0	-3.535833	0	
10	N101	2.541667	0	-3.535833	0	
11	N102	-0.166667	0	-3.535833	0	
12	N103A	0.166667	0	-3.535833	0	
13	N104A	-2.541667	0	-3.754583	0	
14	N105	2.541667	0	-3.754583	0	
15	N131	2.458333	0	-3.898921	0	
16	N144	-2.458333	0	-3.898921	0	
17	N86A	2.584629	0	-3.971838	0	
18	N86B	-2.584629	0	-3.971838	0	
19	N86C	-0.515625	0	-7.223333	0	
20	N87A	0.515625	0	-7.223333	0	
21	N88A	-0.	0	-7.14	0	
22	N87C	0.234238	0.166667	-7.14	0	
23	N86G	0.234238	0	-7.14	0	
24	N87B	-0.234238	0.166667	-7.14	0	
25	N88C	-0.234238	0	-7.14	0	
26	N87D	-1.763083	0	1.017917	0	
27	N88B	-1.791288	0	3.969065	0	
28	N89	-4.219674	0.166667	-0.237022	0	
29	N90	-1.904569	0.166667	3.772856	0	
30	N91	-3.062121	0	1.767917	0	
31	N92	-6.25559	0	3.611667	0	
32	N93	-4.219674	0	-0.237022	0	
33	N94	-1.904569	0	3.772856	0	
34	N95	-4.332955	0	-0.433231	0	
35	N96	-2.978788	0	1.912254	0	
36	N97	-3.145455	0	1.623579	0	
37	N98	-1.980731	0	4.07844	0	
38	N99	-4.522398	0	-0.323856	0	
39	N100	-4.605731	0	-0.179519	0	
40	N102A	-2.147398	0	4.07844	0	
41	N104	-4.732027	0	-0.252435	0	
42	N105A	-2.147398	0	4.224273	0	
43	N106	-5.997778	0	4.058211	0	
44	N107	-6.513403	0	3.165122	0	
45	N110	-6.183421	0	3.57	0	
46	N111	-6.30054	0.166667	3.367144	0	
47	N112	-6.30054	0	3.367144	0	
48	N113	-6.066303	0.166667	3.772856	0	
49	N114	-6.066303	0	3.772856	0	
50	N115	1.763083	0	1.017917	0	
51	N116	4.332955	0	-0.433231	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N117	1.904569	0.166667	3.772856	0	
53	N118	4.219674	0.166667	-0.237022	0	
54	N119	3.062121	0	1.767917	0	
55	N120	6.25559	0	3.611667	0	
56	N121	1.904569	0	3.772856	0	
57	N122	4.219674	0	-0.237022	0	
58	N123	1.791288	0	3.969065	0	
59	N124	3.145455	0	1.623579	0	
60	N125	2.978788	0	1.912254	0	
61	N126	4.522398	0	-0.323856	0	
62	N127	1.980731	0	4.07844	0	
63	N128	2.147398	0	4.07844	0	
64	N129	5.872799	0	4.058211	0	
65	N130	4.605731	0	-0.179519	0	
66	N132	2.147398	0	4.224273	0	
67	N133	4.732027	0	-0.252436	0	
68	N134	6.513403	0	3.165122	0	
69	N135A	5.997778	0	4.058211	0	
70	N136	5.872799	0	4.224273	0	
71	N138	6.183421	0	3.57	0	
72	N139	6.066303	0.166667	3.772856	0	
73	N140	6.066303	0	3.772856	0	
74	N141	6.30054	0.166667	3.367144	0	
75	N142	6.30054	0	3.367144	0	
76	N82	-5.872799	0	4.058211	0	
77	N84	-5.872799	0	4.224273	0	
78	N85	0.578115	0	-7.115098	0	
79	N87	0.721929	0	-7.198129	0	
80	N88	6.450913	0	3.056887	0	
81	N89A	6.594727	0	2.973856	0	
82	N91A	-6.450913	0	3.056887	0	
83	N93A	-6.594727	0	2.973856	0	
84	N94A	-0.578115	0	-7.115098	0	
85	N95A	-0.721929	0	-7.198129	0	
86	N92A	7.622799	0	4.224273	0	
87	N94B	-6.877201	0	4.224273	0	
88	N94C	-0.153071	0	-8.713674	0	
89	N95B	7.096929	0	3.843695	0	
90	N96A	-7.469727	0	4.489401	0	
91	N97A	-0.219727	0	-8.067968	0	
92	N96B	6.372799	0	4.224273	0	
93	N98A	6.372799	0	4.474273	0	
94	N99A	6.372799	-.75	4.474273	0	
95	N100A	6.372799	5.25	4.474273	0	
96	N96C	4.372799	0	4.224273	0	
97	N97B	4.372799	0	4.474273	0	
98	N98B	4.372799	-.75	4.474273	0	
99	N99B	4.372799	5.25	4.474273	0	
100	N100B	0.539465	0	4.224273	0	
101	N101A	0.539465	0	4.474273	0	
102	N102B	0.539465	-2.666667	4.474273	0	
103	N103	0.539465	4.333333	4.474273	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
104	N104B	-3.627201	0	4.224273	0	
105	N105B	-3.627201	0	4.474273	0	
106	N106A	-3.627201	-1.083333	4.474273	0	
107	N107A	-3.627201	5.916667	4.474273	0	
108	N108	-5.627201	0	4.224273	0	
109	N109	-5.627201	0	4.474273	0	
110	N110A	-5.627201	-.75	4.474273	0	
111	N111A	-5.627201	5.25	4.474273	0	
112	N112A	0.471929	0	-7.631142	0	
113	N113A	0.688435	0	-7.756142	0	
114	N114A	0.688435	-.75	-7.756142	0	
115	N115A	0.688435	5.25	-7.756142	0	
116	N116A	1.471929	0	-5.899091	0	
117	N117A	1.688435	0	-6.024091	0	
118	N118A	1.688435	-.75	-6.024091	0	
119	N119A	1.688435	5.25	-6.024091	0	
120	N120A	3.388595	0	-2.579327	0	
121	N121A	3.605102	0	-2.704327	0	
122	N122A	3.605102	-2.666667	-2.704327	0	
123	N123A	3.605102	4.333333	-2.704327	0	
124	N124A	5.471929	0	1.029112	0	
125	N125A	5.688435	0	0.904112	0	
126	N128A	6.471929	0	2.761163	0	
127	N129A	6.688435	0	2.636163	0	
128	N130A	6.688435	-.75	2.636163	0	
129	N131A	6.688435	5.25	2.636163	0	
130	N132A	-6.844727	0	3.406869	0	
131	N133A	-7.061234	0	3.281869	0	
132	N134A	-7.061234	-.75	3.281869	0	
133	N135	-7.061234	5.25	3.281869	0	
134	N136A	-5.844727	0	1.674818	0	
135	N137	-6.061234	0	1.549818	0	
136	N138A	-6.061234	-.75	1.549818	0	
137	N139A	-6.061234	5.25	1.549818	0	
138	N140A	-3.928061	0	-1.644946	0	
139	N141A	-4.144567	0	-1.769946	0	
140	N142A	-4.144567	-2.666667	-1.769946	0	
141	N143	-4.144567	4.333333	-1.769946	0	
142	N144A	-1.844727	0	-5.253385	0	
143	N145	-2.061234	0	-5.378385	0	
144	N146	-2.061234	-.75	-5.378385	0	
145	N147	-2.061234	5.25	-5.378385	0	
146	N148	-0.844727	0	-6.985436	0	
147	N149	-1.061234	0	-7.110436	0	
148	N150	-1.061234	-.75	-7.110436	0	
149	N151	-1.061234	5.25	-7.110436	0	
150	N257	5.688435	-.75	0.904112	0	
151	N258	5.688435	5.25	0.904112	0	
152	N162	-0.	0	-2.785833	0	
153	N164	0.270833	0	-2.785833	0	
154	N162A	0.270833	-.5	-2.785833	0	
155	N164A	0.270833	2.5	-2.785833	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
156	N162B	2.412602	0	1.392917	0	
157	N163B	2.277186	0	1.627465	0	
158	N163C	2.277186	-.5	1.627465	0	
159	N164B	2.277186	2.5	1.627465	0	
160	N160	7.622799	3	4.224273	0	
161	N161	-6.877201	3	4.224273	0	
162	N162C	-0.153071	3	-8.713674	0	
163	N163	7.096929	3	3.843695	0	
164	N164C	-7.469727	3	4.489401	0	
165	N165	-0.219727	3	-8.067968	0	
166	N166	6.372799	3	4.224273	0	
167	N167	6.372799	3	4.474273	0	
168	N168	4.372799	3	4.224273	0	
169	N169	4.372799	3	4.474273	0	
170	N170	0.539465	3	4.224273	0	
171	N171	0.539465	3	4.474273	0	
172	N172	-3.627201	3	4.224273	0	
173	N173	-3.627201	3	4.474273	0	
174	N174	-5.627201	3	4.224273	0	
175	N175	-5.627201	3	4.474273	0	
176	N176	0.471929	3	-7.631142	0	
177	N177	0.688435	3	-7.756142	0	
178	N178	1.471929	3	-5.899091	0	
179	N179	1.688435	3	-6.024091	0	
180	N180	3.388595	3	-2.579327	0	
181	N181	3.605102	3	-2.704327	0	
182	N182	5.471929	3	1.029112	0	
183	N183	5.688435	3	0.904112	0	
184	N184	6.471929	3	2.761163	0	
185	N185	6.688435	3	2.636163	0	
186	N186	-6.844727	3	3.406869	0	
187	N187	-7.061234	3	3.281869	0	
188	N188	-5.844727	3	1.674818	0	
189	N189	-6.061234	3	1.549818	0	
190	N190	-6.061234	2.25	1.549818	0	
191	N191	-3.928061	3	-1.644946	0	
192	N192	-4.144567	3	-1.769946	0	
193	N193	-1.844727	3	-5.253385	0	
194	N194	-2.061234	3	-5.378385	0	
195	N195	-0.844727	3	-6.985436	0	
196	N196	-1.061234	3	-7.110436	0	
197	N197	-6.043868	3	4.224273	0	
198	N198	-6.043868	3	4.099273	0	
199	N199	6.043868	3	4.224273	0	
200	N200	6.043868	3	4.099273	0	
201	N201	6.680262	3	3.122007	0	
202	N202	6.572009	3	3.184507	0	
203	N203	0.636394	3	-7.34628	0	
204	N204	0.528141	3	-7.28378	0	
205	N205	-0.636394	3	-7.34628	0	
206	N206	-0.528141	3	-7.28378	0	
207	N207	-6.680262	3	3.122007	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
208	N208	-6.572009	3	3.184507	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	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	RECT	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossmember	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

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M4	N3	N27			Standoff Horizontal	Beam	SquareTube	A500 Gr....	Typical
2	M10	N101	N103A			Platform Crossme...	Beam	SquareTube	A500 Gr....	Typical
3	M43	N102	N5			Platform Crossme...	Beam	SquareTube	A500 Gr....	Typical
4	M46	N86C	N87A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
5	M35A	N7	N30			RIGID	None	None	RIGID	Typical
6	M36A	N6	N29			RIGID	None	None	RIGID	Typical
7	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
8	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
10	M58	N102	N24			RIGID	None	None	RIGID	Typical
11	M59	N24	N103A			RIGID	None	None	RIGID	Typical
12	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
13	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M79	N131	N86A			RIGID	None	None	RIGID	Typical
15	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
16	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
17	M88	N144	N86B			RIGID	None	None	RIGID	Typical
18	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
19	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
20	M51A	N87C	N86G			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
21	M52A	N87D	N92			Standoff Horizontal	Beam	SquareTube	A500 Gr....	Typical
22	M53	N95	N97			Platform Crossme...	Beam	SquareTube	A500 Gr....	Typical
23	M54	N96	N88B			Platform Crossme...	Beam	SquareTube	A500 Gr....	Typical
24	M55	N106	N107			Corner Plate	Beam	RECT	A36 Gr.36	Typical
25	M56	N90	N94			RIGID	None	None	RIGID	Typical
26	M57	N89	N93			RIGID	None	None	RIGID	Typical
27	M58A	N111	N89			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
28	M59A	N90	N113			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
29	M60	N113	N114			RIGID	None	None	RIGID	Typical
30	M61	N96	N91			RIGID	None	None	RIGID	Typical
31	M62	N91	N97			RIGID	None	None	RIGID	Typical
32	M63	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
33	M64	N99	N100			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
34	M65	N100	N104			RIGID	None	None	RIGID	Typical
35	M68	N88B	N98			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
36	M69	N98	N102A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
37	M70	N102A	N105A			RIGID	None	None	RIGID	Typical
38	M73	N114	N110			RIGID	None	None	RIGID	Typical
39	M74	N110	N112			RIGID	None	None	RIGID	Typical
40	M75	N111	N112			RIGID	None	None	RIGID	Typical
41	M76A	N115	N120			Standoff Horizontal	Beam	SquareTube	A500 Gr....	Typical
42	M77A	N123	N125			Platform Crossme...	Beam	SquareTube	A500 Gr....	Typical
43	M78	N124	N116			Platform Crossme...	Beam	SquareTube	A500 Gr....	Typical
44	M79A	N134	N135A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
45	M80A	N118	N122			RIGID	None	None	RIGID	Typical
46	M81	N117	N121			RIGID	None	None	RIGID	Typical
47	M82	N139	N117			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
48	M83A	N118	N141			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
49	M84A	N141	N142			RIGID	None	None	RIGID	Typical
50	M85A	N124	N119			RIGID	None	None	RIGID	Typical
51	M86	N119	N125			RIGID	None	None	RIGID	Typical
52	M87	N123	N127			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
53	M88A	N127	N128			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
54	M89	N128	N132			RIGID	None	None	RIGID	Typical
55	M90	N135A	N129			Corner Plate	Beam	RECT	A36 Gr.36	Typical
56	M91A	N129	N136			RIGID	None	None	RIGID	Typical
57	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
58	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
59	M94	N130	N133			RIGID	None	None	RIGID	Typical
60	M97	N142	N138			RIGID	None	None	RIGID	Typical
61	M98	N138	N140			RIGID	None	None	RIGID	Typical
62	M99	N139	N140			RIGID	None	None	RIGID	Typical
63	M66	N106	N82			Corner Plate	Beam	RECT	A36 Gr.36	Typical
64	M67	N82	N84			RIGID	None	None	RIGID	Typical
65	M68A	N87A	N85			Corner Plate	Beam	RECT	A36 Gr.36	Typical
66	M69A	N85	N87			RIGID	None	None	RIGID	Typical
67	M70A	N134	N88			Corner Plate	Beam	RECT	A36 Gr.36	Typical
68	M71	N88	N89A			RIGID	None	None	RIGID	Typical
69	M72	N107	N91A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
70	M73A	N91A	N93A			RIGID	None	None	RIGID	Typical
71	M74A	N86C	N94A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
72	M75A	N94A	N95A			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
73	M76B	N92A	N94B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
74	M77B	N94C	N95B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
75	M78A	N96A	N97A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M78B	N96B	N98A			RIGID	None	None	RIGID	Typical
77	MP1A	N100A	N99A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
78	M78C	N96C	N97B			RIGID	None	None	RIGID	Typical
79	MP2A	N99B	N98B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
80	M80	N100B	N101A			RIGID	None	None	RIGID	Typical
81	MP3A	N103	N102B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
82	M82A	N104B	N105B			RIGID	None	None	RIGID	Typical
83	MP4A	N107A	N106A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	M84B	N108	N109			RIGID	None	None	RIGID	Typical
85	MP5A	N111A	N110A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
86	M86A	N112A	N113A			RIGID	None	None	RIGID	Typical
87	MP1C	N115A	N114A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
88	M88B	N116A	N117A			RIGID	None	None	RIGID	Typical
89	MP2C	N119A	N118A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	M90A	N120A	N121A			RIGID	None	None	RIGID	Typical
91	MP3C	N123A	N122A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M92	N124A	N125A			RIGID	None	None	RIGID	Typical
93	M94A	N128A	N129A			RIGID	None	None	RIGID	Typical
94	MP5C	N131A	N130A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
95	M96	N132A	N133A			RIGID	None	None	RIGID	Typical
96	MP1B	N135	N134A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
97	M98A	N136A	N137			RIGID	None	None	RIGID	Typical
98	MP2B	N139A	N138A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	M100	N140A	N141A			RIGID	None	None	RIGID	Typical
100	MP3B	N143	N142A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
101	M102	N144A	N145			RIGID	None	None	RIGID	Typical
102	MP4B	N147	N146			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
103	M104	N148	N149			RIGID	None	None	RIGID	Typical
104	MP5B	N151	N150			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
105	MP4C	N258	N257			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
106	M316	N164	N162			RIGID	None	None	RIGID	Typical
107	M318	N164A	N162A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
108	M110	N163B	N162B			RIGID	None	None	RIGID	Typical
109	M111	N164B	N163C			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
110	M110A	N160	N161			Support Rail	Beam	Pipe	A53 Gr.B	Typical
111	M111A	N162C	N163			Support Rail	Beam	Pipe	A53 Gr.B	Typical
112	M112	N164C	N165			Support Rail	Beam	Pipe	A53 Gr.B	Typical
113	M113	N166	N167			RIGID	None	None	RIGID	Typical
114	M114	N168	N169			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	N182	N183			RIGID	None	None	RIGID	Typical
122	M122	N184	N185			RIGID	None	None	RIGID	Typical
123	M123	N186	N187			RIGID	None	None	RIGID	Typical
124	M124	N188	N189			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
125	M125	N191	N192			RIGID	None	None	RIGID	Typical
126	M126	N193	N194			RIGID	None	None	RIGID	Typical
127	M127	N195	N196			RIGID	None	None	RIGID	Typical
128	M128	N197	N198			RIGID	None	None	RIGID	Typical
129	M129	N199	N200			RIGID	None	None	RIGID	Typical
130	M130	N201	N202			RIGID	None	None	RIGID	Typical
131	M131	N203	N204			RIGID	None	None	RIGID	Typical
132	M132	N205	N206			RIGID	None	None	RIGID	Typical
133	M133	N207	N208			RIGID	None	None	RIGID	Typical
134	M134	N208	N198		90	Support Rail Corner	Beam	Single Angle	A36 Gr.36	Typical
135	M135	N200	N202		90	Support Rail Corner	Beam	Single Angle	A36 Gr.36	Typical
136	M136	N204	N206		90	Support Rail Corner	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	M4						Yes				None
2	M10						Yes	Default			None
3	M43						Yes	Default			None
4	M46						Yes	Default			None
5	M35A						Yes	** NA **			None
6	M36A						Yes	** NA **			None
7	M51B	OOOOOX	OOOOOX				Yes	Default			None
8	M52B	OOOOOX	OOOOOX				Yes	Default			None
9	M52						Yes	** NA **			None
10	M58						Yes	** NA **			None
11	M59						Yes	** NA **			None
12	M76						Yes	** NA **			None
13	M77						Yes	** NA **			None
14	M79		BenPIN				Yes	** NA **			None
15	M84						Yes	** NA **			None
16	M85						Yes	** NA **			None
17	M88		BenPIN				Yes	** NA **			None
18	M50						Yes	** NA **			None
19	M51						Yes	** NA **			None
20	M51A						Yes	** NA **			None
21	M52A						Yes				None
22	M53						Yes	Default			None
23	M54						Yes	Default			None
24	M55						Yes	Default			None
25	M56						Yes	** NA **			None
26	M57						Yes	** NA **			None
27	M58A	OOOOOX	OOOOOX				Yes	Default			None
28	M59A	OOOOOX	OOOOOX				Yes	Default			None
29	M60						Yes	** NA **			None
30	M61						Yes	** NA **			None
31	M62						Yes	** NA **			None
32	M63						Yes	** NA **			None
33	M64						Yes	** NA **			None
34	M65		BenPIN				Yes	** NA **			None
35	M68						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...
36	M69						Yes	** NA **			None
37	M70		BenPIN				Yes	** NA **			None
38	M73						Yes	** NA **			None
39	M74						Yes	** NA **			None
40	M75						Yes	** NA **			None
41	M76A						Yes	Default			None
42	M77A						Yes	Default			None
43	M78						Yes	Default			None
44	M79A						Yes	Default			None
45	M80A						Yes	** NA **			None
46	M81						Yes	** NA **			None
47	M82	OOOOOX	OOOOOX				Yes	Default			None
48	M83A	OOOOOX	OOOOOX				Yes	Default			None
49	M84A						Yes	** NA **			None
50	M85A						Yes	** NA **			None
51	M86						Yes	** NA **			None
52	M87						Yes	** NA **			None
53	M88A						Yes	** NA **			None
54	M89		BenPIN				Yes	** NA **			None
55	M90						Yes				None
56	M91A		BenPIN				Yes	** NA **			None
57	M92A						Yes	** NA **			None
58	M93						Yes	** NA **			None
59	M94		BenPIN				Yes	** NA **			None
60	M97						Yes	** NA **			None
61	M98						Yes	** NA **			None
62	M99						Yes	** NA **			None
63	M66						Yes				None
64	M67		BenPIN				Yes	** NA **			None
65	M68A						Yes				None
66	M69A		BenPIN				Yes	** NA **			None
67	M70A						Yes				None
68	M71		BenPIN				Yes	** NA **			None
69	M72						Yes				None
70	M73A		BenPIN				Yes	** NA **			None
71	M74A						Yes				None
72	M75A		BenPIN				Yes	** NA **			None
73	M76B						Yes	Default			None
74	M77B						Yes	Default			None
75	M78A						Yes	Default			None
76	M78B						Yes	** NA **			None
77	MP1A						Yes	** NA **			None
78	M78C						Yes	** NA **			None
79	MP2A						Yes	** NA **			None
80	M80						Yes	** NA **			None
81	MP3A						Yes	** NA **			None
82	M82A						Yes	** NA **			None
83	MP4A						Yes	** NA **			None
84	M84B						Yes	** NA **			None
85	MP5A						Yes	** NA **			None
86	M86A						Yes	** NA **			None
87	MP1C						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...
88	M88B						Yes	** NA **			None
89	MP2C						Yes	** NA **			None
90	M90A						Yes	** NA **			None
91	MP3C						Yes	** NA **			None
92	M92						Yes	** NA **			None
93	M94A						Yes	** NA **			None
94	MP5C						Yes	** NA **			None
95	M96						Yes	** NA **			None
96	MP1B						Yes	** NA **			None
97	M98A						Yes	** NA **			None
98	MP2B						Yes	** NA **			None
99	M100						Yes	** NA **			None
100	MP3B						Yes	** NA **			None
101	M102						Yes	** NA **			None
102	MP4B						Yes	** NA **			None
103	M104						Yes	** NA **			None
104	MP5B						Yes	** NA **			None
105	MP4C						Yes	** NA **			None
106	M316						Yes	** NA **			None
107	M318						Yes	** NA **			None
108	M110						Yes	** NA **			None
109	M111						Yes	** NA **			None
110	M110A						Yes	Default			None
111	M111A						Yes	Default			None
112	M112						Yes	Default			None
113	M113						Yes	** NA **			None
114	M114						Yes	** NA **			None
115	M115						Yes	** NA **			None
116	M116						Yes	** NA **			None
117	M117						Yes	** NA **			None
118	M118						Yes	** NA **			None
119	M119						Yes	** NA **			None
120	M120						Yes	** NA **			None
121	M121						Yes	** NA **			None
122	M122						Yes	** NA **			None
123	M123						Yes	** NA **			None
124	M124						Yes	** NA **			None
125	M125						Yes	** NA **			None
126	M126						Yes	** NA **			None
127	M127						Yes	** NA **			None
128	M128	OOOOOX					Yes	** NA **			None
129	M129	OOOOOX					Yes	** NA **			None
130	M130	OOOOOX					Yes	** NA **			None
131	M131	OOOOOX					Yes	** NA **			None
132	M132	OOOOOX					Yes	** NA **			None
133	M133	OOOOOX					Yes	** NA **			None
134	M134						Yes				None
135	M135						Yes				None
136	M136						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-21.85	1
2	MP3A	My	-.011	1
3	MP3A	Mz	.011	1
4	MP3A	Y	-21.85	5.5
5	MP3A	My	-.011	5.5
6	MP3A	Mz	.011	5.5
7	MP3B	Y	-21.85	1
8	MP3B	My	-.004	1
9	MP3B	Mz	-.015	1
10	MP3B	Y	-21.85	5.5
11	MP3B	My	-.004	5.5
12	MP3B	Mz	-.015	5.5
13	MP3C	Y	-21.85	1
14	MP3C	My	.015	1
15	MP3C	Mz	.004	1
16	MP3C	Y	-21.85	5.5
17	MP3C	My	.015	5.5
18	MP3C	Mz	.004	5.5
19	MP3A	Y	-21.85	1
20	MP3A	My	-.011	1
21	MP3A	Mz	-.011	1
22	MP3A	Y	-21.85	5.5
23	MP3A	My	-.011	5.5
24	MP3A	Mz	-.011	5.5
25	MP3B	Y	-21.85	1
26	MP3B	My	.015	1
27	MP3B	Mz	-.004	1
28	MP3B	Y	-21.85	5.5
29	MP3B	My	.015	5.5
30	MP3B	Mz	-.004	5.5
31	MP3C	Y	-21.85	1
32	MP3C	My	-.004	1
33	MP3C	Mz	.015	1
34	MP3C	Y	-21.85	5.5
35	MP3C	My	-.004	5.5
36	MP3C	Mz	.015	5.5
37	MP1A	Y	-43.55	2.5
38	MP1A	My	-.022	2.5
39	MP1A	Mz	0	2.5
40	MP1A	Y	-43.55	3.5
41	MP1A	My	-.022	3.5
42	MP1A	Mz	0	3.5
43	MP1B	Y	-43.55	2.5
44	MP1B	My	.011	2.5
45	MP1B	Mz	-.019	2.5
46	MP1B	Y	-43.55	3.5
47	MP1B	My	.011	3.5
48	MP1B	Mz	-.019	3.5
49	MP1C	Y	-43.55	2.5
50	MP1C	My	.011	2.5
51	MP1C	Mz	.019	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP1C	Y	-43.55	3.5
53	MP1C	My	.011	3.5
54	MP1C	Mz	.019	3.5
55	MP3A	Y	-84.4	1.5
56	MP3A	My	.042	1.5
57	MP3A	Mz	0	1.5
58	MP3B	Y	-84.4	1.5
59	MP3B	My	-.021	1.5
60	MP3B	Mz	.037	1.5
61	MP3C	Y	-84.4	1.5
62	MP3C	My	-.021	1.5
63	MP3C	Mz	-.037	1.5
64	MP3A	Y	-70.3	4
65	MP3A	My	.035	4
66	MP3A	Mz	0	4
67	MP3B	Y	-70.3	4
68	MP3B	My	-.018	4
69	MP3B	Mz	.03	4
70	MP3C	Y	-70.3	4
71	MP3C	My	-.018	4
72	MP3C	Mz	-.03	4
73	M111	Y	-32	1.5
74	M111	My	0	1.5
75	M111	Mz	0	1.5
76	M318	Y	-32	1.5
77	M318	My	0	1.5
78	M318	Mz	0	1.5
79	MP5A	Y	-8.5	.5
80	MP5A	My	-.004	.5
81	MP5A	Mz	0	.5
82	MP5A	Y	-8.5	5.5
83	MP5A	My	-.004	5.5
84	MP5A	Mz	0	5.5
85	MP5B	Y	-8.5	.5
86	MP5B	My	.002	.5
87	MP5B	Mz	-.004	.5
88	MP5B	Y	-8.5	5.5
89	MP5B	My	.002	5.5
90	MP5B	Mz	-.004	5.5
91	MP5C	Y	-8.5	.5
92	MP5C	My	.002	.5
93	MP5C	Mz	.004	.5
94	MP5C	Y	-8.5	5.5
95	MP5C	My	.002	5.5
96	MP5C	Mz	.004	5.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-59.544	1
2	MP3A	My	-.03	1
3	MP3A	Mz	.03	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3A	Y	-59.544	5.5
5	MP3A	My	-.03	5.5
6	MP3A	Mz	.03	5.5
7	MP3B	Y	-59.544	1
8	MP3B	My	-.011	1
9	MP3B	Mz	-.041	1
10	MP3B	Y	-59.544	5.5
11	MP3B	My	-.011	5.5
12	MP3B	Mz	-.041	5.5
13	MP3C	Y	-59.544	1
14	MP3C	My	.041	1
15	MP3C	Mz	.011	1
16	MP3C	Y	-59.544	5.5
17	MP3C	My	.041	5.5
18	MP3C	Mz	.011	5.5
19	MP3A	Y	-59.544	1
20	MP3A	My	-.03	1
21	MP3A	Mz	-.03	1
22	MP3A	Y	-59.544	5.5
23	MP3A	My	-.03	5.5
24	MP3A	Mz	-.03	5.5
25	MP3B	Y	-59.544	1
26	MP3B	My	.041	1
27	MP3B	Mz	-.011	1
28	MP3B	Y	-59.544	5.5
29	MP3B	My	.041	5.5
30	MP3B	Mz	-.011	5.5
31	MP3C	Y	-59.544	1
32	MP3C	My	-.011	1
33	MP3C	Mz	.041	1
34	MP3C	Y	-59.544	5.5
35	MP3C	My	-.011	5.5
36	MP3C	Mz	.041	5.5
37	MP1A	Y	-34.992	2.5
38	MP1A	My	-.017	2.5
39	MP1A	Mz	0	2.5
40	MP1A	Y	-34.992	3.5
41	MP1A	My	-.017	3.5
42	MP1A	Mz	0	3.5
43	MP1B	Y	-34.992	2.5
44	MP1B	My	.009	2.5
45	MP1B	Mz	-.015	2.5
46	MP1B	Y	-34.992	3.5
47	MP1B	My	.009	3.5
48	MP1B	Mz	-.015	3.5
49	MP1C	Y	-34.992	2.5
50	MP1C	My	.009	2.5
51	MP1C	Mz	.015	2.5
52	MP1C	Y	-34.992	3.5
53	MP1C	My	.009	3.5
54	MP1C	Mz	.015	3.5
55	MP3A	Y	-44.105	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
56	MP3A	My	.022	1.5
57	MP3A	Mz	0	1.5
58	MP3B	Y	-44.105	1.5
59	MP3B	My	-.011	1.5
60	MP3B	Mz	.019	1.5
61	MP3C	Y	-44.105	1.5
62	MP3C	My	-.011	1.5
63	MP3C	Mz	-.019	1.5
64	MP3A	Y	-39.582	4
65	MP3A	My	.02	4
66	MP3A	Mz	0	4
67	MP3B	Y	-39.582	4
68	MP3B	My	-.01	4
69	MP3B	Mz	.017	4
70	MP3C	Y	-39.582	4
71	MP3C	My	-.01	4
72	MP3C	Mz	-.017	4
73	M111	Y	-74.496	1.5
74	M111	My	0	1.5
75	M111	Mz	0	1.5
76	M318	Y	-74.496	1.5
77	M318	My	0	1.5
78	M318	Mz	0	1.5
79	MP5A	Y	-50.75	.5
80	MP5A	My	-.025	.5
81	MP5A	Mz	0	.5
82	MP5A	Y	-50.75	5.5
83	MP5A	My	-.025	5.5
84	MP5A	Mz	0	5.5
85	MP5B	Y	-50.75	.5
86	MP5B	My	.013	.5
87	MP5B	Mz	-.022	.5
88	MP5B	Y	-50.75	5.5
89	MP5B	My	.013	5.5
90	MP5B	Mz	-.022	5.5
91	MP5C	Y	-50.75	.5
92	MP5C	My	.013	.5
93	MP5C	Mz	.022	.5
94	MP5C	Y	-50.75	5.5
95	MP5C	My	.013	5.5
96	MP5C	Mz	.022	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	-160.513	1
3	MP3A	Mx	-.08	1
4	MP3A	X	0	5.5
5	MP3A	Z	-160.513	5.5
6	MP3A	Mx	-.08	5.5
7	MP3B	X	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Z	-119.715	1
9	MP3B	Mx	.082	1
10	MP3B	X	0	5.5
11	MP3B	Z	-119.715	5.5
12	MP3B	Mx	.082	5.5
13	MP3C	X	0	1
14	MP3C	Z	-119.715	1
15	MP3C	Mx	-.022	1
16	MP3C	X	0	5.5
17	MP3C	Z	-119.715	5.5
18	MP3C	Mx	-.022	5.5
19	MP3A	X	0	1
20	MP3A	Z	-160.513	1
21	MP3A	Mx	.08	1
22	MP3A	X	0	5.5
23	MP3A	Z	-160.513	5.5
24	MP3A	Mx	.08	5.5
25	MP3B	X	0	1
26	MP3B	Z	-119.715	1
27	MP3B	Mx	.022	1
28	MP3B	X	0	5.5
29	MP3B	Z	-119.715	5.5
30	MP3B	Mx	.022	5.5
31	MP3C	X	0	1
32	MP3C	Z	-119.715	1
33	MP3C	Mx	-.082	1
34	MP3C	X	0	5.5
35	MP3C	Z	-119.715	5.5
36	MP3C	Mx	-.082	5.5
37	MP1A	X	0	2.5
38	MP1A	Z	-93.368	2.5
39	MP1A	Mx	0	2.5
40	MP1A	X	0	3.5
41	MP1A	Z	-93.368	3.5
42	MP1A	Mx	0	3.5
43	MP1B	X	0	2.5
44	MP1B	Z	-50.757	2.5
45	MP1B	Mx	.022	2.5
46	MP1B	X	0	3.5
47	MP1B	Z	-50.757	3.5
48	MP1B	Mx	.022	3.5
49	MP1C	X	0	2.5
50	MP1C	Z	-50.757	2.5
51	MP1C	Mx	-.022	2.5
52	MP1C	X	0	3.5
53	MP1C	Z	-50.757	3.5
54	MP1C	Mx	-.022	3.5
55	MP3A	X	0	1.5
56	MP3A	Z	-74.297	1.5
57	MP3A	Mx	0	1.5
58	MP3B	X	0	1.5
59	MP3B	Z	-55.822	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP3B	Mx	-.024	1.5
61	MP3C	X	0	1.5
62	MP3C	Z	-55.822	1.5
63	MP3C	Mx	.024	1.5
64	MP3A	X	0	4
65	MP3A	Z	-74.03	4
66	MP3A	Mx	0	4
67	MP3B	X	0	4
68	MP3B	Z	-48.57	4
69	MP3B	Mx	-.021	4
70	MP3C	X	0	4
71	MP3C	Z	-48.57	4
72	MP3C	Mx	.021	4
73	M111	X	0	1.5
74	M111	Z	-150.04	1.5
75	M111	Mx	0	1.5
76	M318	X	0	1.5
77	M318	Z	-150.04	1.5
78	M318	Mx	0	1.5
79	MP5A	X	0	.5
80	MP5A	Z	-149.842	.5
81	MP5A	Mx	0	.5
82	MP5A	X	0	5.5
83	MP5A	Z	-149.842	5.5
84	MP5A	Mx	0	5.5
85	MP5B	X	0	.5
86	MP5B	Z	-99.19	.5
87	MP5B	Mx	.043	.5
88	MP5B	X	0	5.5
89	MP5B	Z	-99.19	5.5
90	MP5B	Mx	.043	5.5
91	MP5C	X	0	.5
92	MP5C	Z	-99.19	.5
93	MP5C	Mx	-.043	.5
94	MP5C	X	0	5.5
95	MP5C	Z	-99.19	5.5
96	MP5C	Mx	-.043	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	73.457	1
2	MP3A	Z	-127.231	1
3	MP3A	Mx	-.1	1
4	MP3A	X	73.457	5.5
5	MP3A	Z	-127.231	5.5
6	MP3A	Mx	-.1	5.5
7	MP3B	X	53.057	1
8	MP3B	Z	-91.898	1
9	MP3B	Mx	.053	1
10	MP3B	X	53.057	5.5
11	MP3B	Z	-91.898	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	.053	5.5
13	MP3C	X	73.457	1
14	MP3C	Z	-127.231	1
15	MP3C	Mx	.027	1
16	MP3C	X	73.457	5.5
17	MP3C	Z	-127.231	5.5
18	MP3C	Mx	.027	5.5
19	MP3A	X	73.457	1
20	MP3A	Z	-127.231	1
21	MP3A	Mx	.027	1
22	MP3A	X	73.457	5.5
23	MP3A	Z	-127.231	5.5
24	MP3A	Mx	.027	5.5
25	MP3B	X	53.057	1
26	MP3B	Z	-91.898	1
27	MP3B	Mx	.053	1
28	MP3B	X	53.057	5.5
29	MP3B	Z	-91.898	5.5
30	MP3B	Mx	.053	5.5
31	MP3C	X	73.457	1
32	MP3C	Z	-127.231	1
33	MP3C	Mx	-.1	1
34	MP3C	X	73.457	5.5
35	MP3C	Z	-127.231	5.5
36	MP3C	Mx	-.1	5.5
37	MP1A	X	39.582	2.5
38	MP1A	Z	-68.558	2.5
39	MP1A	Mx	-.02	2.5
40	MP1A	X	39.582	3.5
41	MP1A	Z	-68.558	3.5
42	MP1A	Mx	-.02	3.5
43	MP1B	X	18.277	2.5
44	MP1B	Z	-31.656	2.5
45	MP1B	Mx	.018	2.5
46	MP1B	X	18.277	3.5
47	MP1B	Z	-31.656	3.5
48	MP1B	Mx	.018	3.5
49	MP1C	X	39.582	2.5
50	MP1C	Z	-68.558	2.5
51	MP1C	Mx	-.02	2.5
52	MP1C	X	39.582	3.5
53	MP1C	Z	-68.558	3.5
54	MP1C	Mx	-.02	3.5
55	MP3A	X	34.069	1.5
56	MP3A	Z	-59.01	1.5
57	MP3A	Mx	.017	1.5
58	MP3B	X	24.832	1.5
59	MP3B	Z	-43.01	1.5
60	MP3B	Mx	-.025	1.5
61	MP3C	X	34.069	1.5
62	MP3C	Z	-59.01	1.5
63	MP3C	Mx	.017	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP3A	X	32.772	4
65	MP3A	Z	-56.762	4
66	MP3A	Mx	.016	4
67	MP3B	X	20.042	4
68	MP3B	Z	-34.713	4
69	MP3B	Mx	-.02	4
70	MP3C	X	32.772	4
71	MP3C	Z	-56.762	4
72	MP3C	Mx	.016	4
73	M111	X	68.679	1.5
74	M111	Z	-118.956	1.5
75	M111	Mx	0	1.5
76	M318	X	68.679	1.5
77	M318	Z	-118.956	1.5
78	M318	Mx	0	1.5
79	MP5A	X	66.479	.5
80	MP5A	Z	-115.145	.5
81	MP5A	Mx	-.033	.5
82	MP5A	X	66.479	5.5
83	MP5A	Z	-115.145	5.5
84	MP5A	Mx	-.033	5.5
85	MP5B	X	41.153	.5
86	MP5B	Z	-71.279	.5
87	MP5B	Mx	.041	.5
88	MP5B	X	41.153	5.5
89	MP5B	Z	-71.279	5.5
90	MP5B	Mx	.041	5.5
91	MP5C	X	66.479	.5
92	MP5C	Z	-115.145	.5
93	MP5C	Mx	-.033	.5
94	MP5C	X	66.479	5.5
95	MP5C	Z	-115.145	5.5
96	MP5C	Mx	-.033	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	103.676	1
2	MP3A	Z	-59.857	1
3	MP3A	Mx	-.082	1
4	MP3A	X	103.676	5.5
5	MP3A	Z	-59.857	5.5
6	MP3A	Mx	-.082	5.5
7	MP3B	X	103.676	1
8	MP3B	Z	-59.857	1
9	MP3B	Mx	.022	1
10	MP3B	X	103.676	5.5
11	MP3B	Z	-59.857	5.5
12	MP3B	Mx	.022	5.5
13	MP3C	X	139.009	1
14	MP3C	Z	-80.257	1
15	MP3C	Mx	.08	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3C	X	139.009	5.5
17	MP3C	Z	-80.257	5.5
18	MP3C	Mx	.08	5.5
19	MP3A	X	103.676	1
20	MP3A	Z	-59.857	1
21	MP3A	Mx	-.022	1
22	MP3A	X	103.676	5.5
23	MP3A	Z	-59.857	5.5
24	MP3A	Mx	-.022	5.5
25	MP3B	X	103.676	1
26	MP3B	Z	-59.857	1
27	MP3B	Mx	.082	1
28	MP3B	X	103.676	5.5
29	MP3B	Z	-59.857	5.5
30	MP3B	Mx	.082	5.5
31	MP3C	X	139.009	1
32	MP3C	Z	-80.257	1
33	MP3C	Mx	-.08	1
34	MP3C	X	139.009	5.5
35	MP3C	Z	-80.257	5.5
36	MP3C	Mx	-.08	5.5
37	MP1A	X	43.957	2.5
38	MP1A	Z	-25.379	2.5
39	MP1A	Mx	-.022	2.5
40	MP1A	X	43.957	3.5
41	MP1A	Z	-25.379	3.5
42	MP1A	Mx	-.022	3.5
43	MP1B	X	43.957	2.5
44	MP1B	Z	-25.379	2.5
45	MP1B	Mx	.022	2.5
46	MP1B	X	43.957	3.5
47	MP1B	Z	-25.379	3.5
48	MP1B	Mx	.022	3.5
49	MP1C	X	80.859	2.5
50	MP1C	Z	-46.684	2.5
51	MP1C	Mx	0	2.5
52	MP1C	X	80.859	3.5
53	MP1C	Z	-46.684	3.5
54	MP1C	Mx	0	3.5
55	MP3A	X	48.343	1.5
56	MP3A	Z	-27.911	1.5
57	MP3A	Mx	.024	1.5
58	MP3B	X	48.343	1.5
59	MP3B	Z	-27.911	1.5
60	MP3B	Mx	-.024	1.5
61	MP3C	X	64.343	1.5
62	MP3C	Z	-37.149	1.5
63	MP3C	Mx	0	1.5
64	MP3A	X	42.063	4
65	MP3A	Z	-24.285	4
66	MP3A	Mx	.021	4
67	MP3B	X	42.063	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP3B	Z	-24.285	4
69	MP3B	Mx	-.021	4
70	MP3C	X	64.112	4
71	MP3C	Z	-37.015	4
72	MP3C	Mx	0	4
73	M111	X	96.991	1.5
74	M111	Z	-55.998	1.5
75	M111	Mx	0	1.5
76	M318	X	96.991	1.5
77	M318	Z	-55.998	1.5
78	M318	Mx	0	1.5
79	MP5A	X	85.901	.5
80	MP5A	Z	-49.595	.5
81	MP5A	Mx	-.043	.5
82	MP5A	X	85.901	5.5
83	MP5A	Z	-49.595	5.5
84	MP5A	Mx	-.043	5.5
85	MP5B	X	85.901	.5
86	MP5B	Z	-49.595	.5
87	MP5B	Mx	.043	.5
88	MP5B	X	85.901	5.5
89	MP5B	Z	-49.595	5.5
90	MP5B	Mx	.043	5.5
91	MP5C	X	129.767	.5
92	MP5C	Z	-74.921	.5
93	MP5C	Mx	0	.5
94	MP5C	X	129.767	5.5
95	MP5C	Z	-74.921	5.5
96	MP5C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	106.115	1
2	MP3A	Z	0	1
3	MP3A	Mx	-.053	1
4	MP3A	X	106.115	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.053	5.5
7	MP3B	X	146.914	1
8	MP3B	Z	0	1
9	MP3B	Mx	-.027	1
10	MP3B	X	146.914	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.027	5.5
13	MP3C	X	146.914	1
14	MP3C	Z	0	1
15	MP3C	Mx	.1	1
16	MP3C	X	146.914	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	.1	5.5
19	MP3A	X	106.115	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP3A	Z	0	1
21	MP3A	Mx	-.053	1
22	MP3A	X	106.115	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.053	5.5
25	MP3B	X	146.914	1
26	MP3B	Z	0	1
27	MP3B	Mx	.1	1
28	MP3B	X	146.914	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.1	5.5
31	MP3C	X	146.914	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.027	1
34	MP3C	X	146.914	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.027	5.5
37	MP1A	X	36.553	2.5
38	MP1A	Z	0	2.5
39	MP1A	Mx	-.018	2.5
40	MP1A	X	36.553	3.5
41	MP1A	Z	0	3.5
42	MP1A	Mx	-.018	3.5
43	MP1B	X	79.164	2.5
44	MP1B	Z	0	2.5
45	MP1B	Mx	.02	2.5
46	MP1B	X	79.164	3.5
47	MP1B	Z	0	3.5
48	MP1B	Mx	.02	3.5
49	MP1C	X	79.164	2.5
50	MP1C	Z	0	2.5
51	MP1C	Mx	.02	2.5
52	MP1C	X	79.164	3.5
53	MP1C	Z	0	3.5
54	MP1C	Mx	.02	3.5
55	MP3A	X	49.664	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	.025	1.5
58	MP3B	X	68.139	1.5
59	MP3B	Z	0	1.5
60	MP3B	Mx	-.017	1.5
61	MP3C	X	68.139	1.5
62	MP3C	Z	0	1.5
63	MP3C	Mx	-.017	1.5
64	MP3A	X	40.083	4
65	MP3A	Z	0	4
66	MP3A	Mx	.02	4
67	MP3B	X	65.543	4
68	MP3B	Z	0	4
69	MP3B	Mx	-.016	4
70	MP3C	X	65.543	4
71	MP3C	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3C	Mx	-.016	4
73	M111	X	99.314	1.5
74	M111	Z	0	1.5
75	M111	Mx	0	1.5
76	M318	X	99.314	1.5
77	M318	Z	0	1.5
78	M318	Mx	0	1.5
79	MP5A	X	82.306	.5
80	MP5A	Z	0	.5
81	MP5A	Mx	-.041	.5
82	MP5A	X	82.306	5.5
83	MP5A	Z	0	5.5
84	MP5A	Mx	-.041	5.5
85	MP5B	X	132.958	.5
86	MP5B	Z	0	.5
87	MP5B	Mx	.033	.5
88	MP5B	X	132.958	5.5
89	MP5B	Z	0	5.5
90	MP5B	Mx	.033	5.5
91	MP5C	X	132.958	.5
92	MP5C	Z	0	.5
93	MP5C	Mx	.033	.5
94	MP5C	X	132.958	5.5
95	MP5C	Z	0	5.5
96	MP5C	Mx	.033	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	103.676	1
2	MP3A	Z	59.857	1
3	MP3A	Mx	-.022	1
4	MP3A	X	103.676	5.5
5	MP3A	Z	59.857	5.5
6	MP3A	Mx	-.022	5.5
7	MP3B	X	139.009	1
8	MP3B	Z	80.257	1
9	MP3B	Mx	-.08	1
10	MP3B	X	139.009	5.5
11	MP3B	Z	80.257	5.5
12	MP3B	Mx	-.08	5.5
13	MP3C	X	103.676	1
14	MP3C	Z	59.857	1
15	MP3C	Mx	.082	1
16	MP3C	X	103.676	5.5
17	MP3C	Z	59.857	5.5
18	MP3C	Mx	.082	5.5
19	MP3A	X	103.676	1
20	MP3A	Z	59.857	1
21	MP3A	Mx	-.082	1
22	MP3A	X	103.676	5.5
23	MP3A	Z	59.857	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3A	Mx	-.082	5.5
25	MP3B	X	139.009	1
26	MP3B	Z	80.257	1
27	MP3B	Mx	.08	1
28	MP3B	X	139.009	5.5
29	MP3B	Z	80.257	5.5
30	MP3B	Mx	.08	5.5
31	MP3C	X	103.676	1
32	MP3C	Z	59.857	1
33	MP3C	Mx	.022	1
34	MP3C	X	103.676	5.5
35	MP3C	Z	59.857	5.5
36	MP3C	Mx	.022	5.5
37	MP1A	X	43.957	2.5
38	MP1A	Z	25.379	2.5
39	MP1A	Mx	-.022	2.5
40	MP1A	X	43.957	3.5
41	MP1A	Z	25.379	3.5
42	MP1A	Mx	-.022	3.5
43	MP1B	X	80.859	2.5
44	MP1B	Z	46.684	2.5
45	MP1B	Mx	0	2.5
46	MP1B	X	80.859	3.5
47	MP1B	Z	46.684	3.5
48	MP1B	Mx	0	3.5
49	MP1C	X	43.957	2.5
50	MP1C	Z	25.379	2.5
51	MP1C	Mx	.022	2.5
52	MP1C	X	43.957	3.5
53	MP1C	Z	25.379	3.5
54	MP1C	Mx	.022	3.5
55	MP3A	X	48.343	1.5
56	MP3A	Z	27.911	1.5
57	MP3A	Mx	.024	1.5
58	MP3B	X	64.343	1.5
59	MP3B	Z	37.149	1.5
60	MP3B	Mx	0	1.5
61	MP3C	X	48.343	1.5
62	MP3C	Z	27.911	1.5
63	MP3C	Mx	-.024	1.5
64	MP3A	X	42.063	4
65	MP3A	Z	24.285	4
66	MP3A	Mx	.021	4
67	MP3B	X	64.112	4
68	MP3B	Z	37.015	4
69	MP3B	Mx	0	4
70	MP3C	X	42.063	4
71	MP3C	Z	24.285	4
72	MP3C	Mx	-.021	4
73	M111	X	96.991	1.5
74	M111	Z	55.998	1.5
75	M111	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	M318	X	96.991	1.5
77	M318	Z	55.998	1.5
78	M318	Mx	0	1.5
79	MP5A	X	85.901	.5
80	MP5A	Z	49.595	.5
81	MP5A	Mx	-.043	.5
82	MP5A	X	85.901	5.5
83	MP5A	Z	49.595	5.5
84	MP5A	Mx	-.043	5.5
85	MP5B	X	129.767	.5
86	MP5B	Z	74.921	.5
87	MP5B	Mx	0	.5
88	MP5B	X	129.767	5.5
89	MP5B	Z	74.921	5.5
90	MP5B	Mx	0	5.5
91	MP5C	X	85.901	.5
92	MP5C	Z	49.595	.5
93	MP5C	Mx	.043	.5
94	MP5C	X	85.901	5.5
95	MP5C	Z	49.595	5.5
96	MP5C	Mx	.043	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	73.457	1
2	MP3A	Z	127.231	1
3	MP3A	Mx	.027	1
4	MP3A	X	73.457	5.5
5	MP3A	Z	127.231	5.5
6	MP3A	Mx	.027	5.5
7	MP3B	X	73.457	1
8	MP3B	Z	127.231	1
9	MP3B	Mx	-.1	1
10	MP3B	X	73.457	5.5
11	MP3B	Z	127.231	5.5
12	MP3B	Mx	-.1	5.5
13	MP3C	X	53.057	1
14	MP3C	Z	91.898	1
15	MP3C	Mx	.053	1
16	MP3C	X	53.057	5.5
17	MP3C	Z	91.898	5.5
18	MP3C	Mx	.053	5.5
19	MP3A	X	73.457	1
20	MP3A	Z	127.231	1
21	MP3A	Mx	-.1	1
22	MP3A	X	73.457	5.5
23	MP3A	Z	127.231	5.5
24	MP3A	Mx	-.1	5.5
25	MP3B	X	73.457	1
26	MP3B	Z	127.231	1
27	MP3B	Mx	.027	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP3B	X	73.457	5.5
29	MP3B	Z	127.231	5.5
30	MP3B	Mx	.027	5.5
31	MP3C	X	53.057	1
32	MP3C	Z	91.898	1
33	MP3C	Mx	.053	1
34	MP3C	X	53.057	5.5
35	MP3C	Z	91.898	5.5
36	MP3C	Mx	.053	5.5
37	MP1A	X	39.582	2.5
38	MP1A	Z	68.558	2.5
39	MP1A	Mx	-.02	2.5
40	MP1A	X	39.582	3.5
41	MP1A	Z	68.558	3.5
42	MP1A	Mx	-.02	3.5
43	MP1B	X	39.582	2.5
44	MP1B	Z	68.558	2.5
45	MP1B	Mx	-.02	2.5
46	MP1B	X	39.582	3.5
47	MP1B	Z	68.558	3.5
48	MP1B	Mx	-.02	3.5
49	MP1C	X	18.277	2.5
50	MP1C	Z	31.656	2.5
51	MP1C	Mx	.018	2.5
52	MP1C	X	18.277	3.5
53	MP1C	Z	31.656	3.5
54	MP1C	Mx	.018	3.5
55	MP3A	X	34.069	1.5
56	MP3A	Z	59.01	1.5
57	MP3A	Mx	.017	1.5
58	MP3B	X	34.069	1.5
59	MP3B	Z	59.01	1.5
60	MP3B	Mx	.017	1.5
61	MP3C	X	24.832	1.5
62	MP3C	Z	43.01	1.5
63	MP3C	Mx	-.025	1.5
64	MP3A	X	32.772	4
65	MP3A	Z	56.762	4
66	MP3A	Mx	.016	4
67	MP3B	X	32.772	4
68	MP3B	Z	56.762	4
69	MP3B	Mx	.016	4
70	MP3C	X	20.042	4
71	MP3C	Z	34.713	4
72	MP3C	Mx	-.02	4
73	M111	X	68.679	1.5
74	M111	Z	118.956	1.5
75	M111	Mx	0	1.5
76	M318	X	68.679	1.5
77	M318	Z	118.956	1.5
78	M318	Mx	0	1.5
79	MP5A	X	66.479	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP5A	Z	115.145	.5
81	MP5A	Mx	-.033	.5
82	MP5A	X	66.479	5.5
83	MP5A	Z	115.145	5.5
84	MP5A	Mx	-.033	5.5
85	MP5B	X	66.479	.5
86	MP5B	Z	115.145	.5
87	MP5B	Mx	-.033	.5
88	MP5B	X	66.479	5.5
89	MP5B	Z	115.145	5.5
90	MP5B	Mx	-.033	5.5
91	MP5C	X	41.153	.5
92	MP5C	Z	71.279	.5
93	MP5C	Mx	.041	.5
94	MP5C	X	41.153	5.5
95	MP5C	Z	71.279	5.5
96	MP5C	Mx	.041	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	160.513	1
3	MP3A	Mx	.08	1
4	MP3A	X	0	5.5
5	MP3A	Z	160.513	5.5
6	MP3A	Mx	.08	5.5
7	MP3B	X	0	1
8	MP3B	Z	119.715	1
9	MP3B	Mx	-.082	1
10	MP3B	X	0	5.5
11	MP3B	Z	119.715	5.5
12	MP3B	Mx	-.082	5.5
13	MP3C	X	0	1
14	MP3C	Z	119.715	1
15	MP3C	Mx	.022	1
16	MP3C	X	0	5.5
17	MP3C	Z	119.715	5.5
18	MP3C	Mx	.022	5.5
19	MP3A	X	0	1
20	MP3A	Z	160.513	1
21	MP3A	Mx	-.08	1
22	MP3A	X	0	5.5
23	MP3A	Z	160.513	5.5
24	MP3A	Mx	-.08	5.5
25	MP3B	X	0	1
26	MP3B	Z	119.715	1
27	MP3B	Mx	-.022	1
28	MP3B	X	0	5.5
29	MP3B	Z	119.715	5.5
30	MP3B	Mx	-.022	5.5
31	MP3C	X	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP3C	Z	119.715	1
33	MP3C	Mx	.082	1
34	MP3C	X	0	5.5
35	MP3C	Z	119.715	5.5
36	MP3C	Mx	.082	5.5
37	MP1A	X	0	2.5
38	MP1A	Z	93.368	2.5
39	MP1A	Mx	0	2.5
40	MP1A	X	0	3.5
41	MP1A	Z	93.368	3.5
42	MP1A	Mx	0	3.5
43	MP1B	X	0	2.5
44	MP1B	Z	50.757	2.5
45	MP1B	Mx	-.022	2.5
46	MP1B	X	0	3.5
47	MP1B	Z	50.757	3.5
48	MP1B	Mx	-.022	3.5
49	MP1C	X	0	2.5
50	MP1C	Z	50.757	2.5
51	MP1C	Mx	.022	2.5
52	MP1C	X	0	3.5
53	MP1C	Z	50.757	3.5
54	MP1C	Mx	.022	3.5
55	MP3A	X	0	1.5
56	MP3A	Z	74.297	1.5
57	MP3A	Mx	0	1.5
58	MP3B	X	0	1.5
59	MP3B	Z	55.822	1.5
60	MP3B	Mx	.024	1.5
61	MP3C	X	0	1.5
62	MP3C	Z	55.822	1.5
63	MP3C	Mx	-.024	1.5
64	MP3A	X	0	4
65	MP3A	Z	74.03	4
66	MP3A	Mx	0	4
67	MP3B	X	0	4
68	MP3B	Z	48.57	4
69	MP3B	Mx	.021	4
70	MP3C	X	0	4
71	MP3C	Z	48.57	4
72	MP3C	Mx	-.021	4
73	M111	X	0	1.5
74	M111	Z	150.04	1.5
75	M111	Mx	0	1.5
76	M318	X	0	1.5
77	M318	Z	150.04	1.5
78	M318	Mx	0	1.5
79	MP5A	X	0	.5
80	MP5A	Z	149.842	.5
81	MP5A	Mx	0	.5
82	MP5A	X	0	5.5
83	MP5A	Z	149.842	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP5A	Mx	0	5.5
85	MP5B	X	0	.5
86	MP5B	Z	99.19	.5
87	MP5B	Mx	-.043	.5
88	MP5B	X	0	5.5
89	MP5B	Z	99.19	5.5
90	MP5B	Mx	-.043	5.5
91	MP5C	X	0	.5
92	MP5C	Z	99.19	.5
93	MP5C	Mx	.043	.5
94	MP5C	X	0	5.5
95	MP5C	Z	99.19	5.5
96	MP5C	Mx	.043	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-73.457	1
2	MP3A	Z	127.231	1
3	MP3A	Mx	.1	1
4	MP3A	X	-73.457	5.5
5	MP3A	Z	127.231	5.5
6	MP3A	Mx	.1	5.5
7	MP3B	X	-53.057	1
8	MP3B	Z	91.898	1
9	MP3B	Mx	-.053	1
10	MP3B	X	-53.057	5.5
11	MP3B	Z	91.898	5.5
12	MP3B	Mx	-.053	5.5
13	MP3C	X	-73.457	1
14	MP3C	Z	127.231	1
15	MP3C	Mx	-.027	1
16	MP3C	X	-73.457	5.5
17	MP3C	Z	127.231	5.5
18	MP3C	Mx	-.027	5.5
19	MP3A	X	-73.457	1
20	MP3A	Z	127.231	1
21	MP3A	Mx	-.027	1
22	MP3A	X	-73.457	5.5
23	MP3A	Z	127.231	5.5
24	MP3A	Mx	-.027	5.5
25	MP3B	X	-53.057	1
26	MP3B	Z	91.898	1
27	MP3B	Mx	-.053	1
28	MP3B	X	-53.057	5.5
29	MP3B	Z	91.898	5.5
30	MP3B	Mx	-.053	5.5
31	MP3C	X	-73.457	1
32	MP3C	Z	127.231	1
33	MP3C	Mx	.1	1
34	MP3C	X	-73.457	5.5
35	MP3C	Z	127.231	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3C	Mx	.1	5.5
37	MP1A	X	-39.582	2.5
38	MP1A	Z	68.558	2.5
39	MP1A	Mx	.02	2.5
40	MP1A	X	-39.582	3.5
41	MP1A	Z	68.558	3.5
42	MP1A	Mx	.02	3.5
43	MP1B	X	-18.277	2.5
44	MP1B	Z	31.656	2.5
45	MP1B	Mx	-.018	2.5
46	MP1B	X	-18.277	3.5
47	MP1B	Z	31.656	3.5
48	MP1B	Mx	-.018	3.5
49	MP1C	X	-39.582	2.5
50	MP1C	Z	68.558	2.5
51	MP1C	Mx	.02	2.5
52	MP1C	X	-39.582	3.5
53	MP1C	Z	68.558	3.5
54	MP1C	Mx	.02	3.5
55	MP3A	X	-34.069	1.5
56	MP3A	Z	59.01	1.5
57	MP3A	Mx	-.017	1.5
58	MP3B	X	-24.832	1.5
59	MP3B	Z	43.01	1.5
60	MP3B	Mx	.025	1.5
61	MP3C	X	-34.069	1.5
62	MP3C	Z	59.01	1.5
63	MP3C	Mx	-.017	1.5
64	MP3A	X	-32.772	4
65	MP3A	Z	56.762	4
66	MP3A	Mx	-.016	4
67	MP3B	X	-20.042	4
68	MP3B	Z	34.713	4
69	MP3B	Mx	.02	4
70	MP3C	X	-32.772	4
71	MP3C	Z	56.762	4
72	MP3C	Mx	-.016	4
73	M111	X	-68.679	1.5
74	M111	Z	118.956	1.5
75	M111	Mx	0	1.5
76	M318	X	-68.679	1.5
77	M318	Z	118.956	1.5
78	M318	Mx	0	1.5
79	MP5A	X	-66.479	.5
80	MP5A	Z	115.145	.5
81	MP5A	Mx	.033	.5
82	MP5A	X	-66.479	5.5
83	MP5A	Z	115.145	5.5
84	MP5A	Mx	.033	5.5
85	MP5B	X	-41.153	.5
86	MP5B	Z	71.279	.5
87	MP5B	Mx	-.041	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP5B	X	-41.153	5.5
89	MP5B	Z	71.279	5.5
90	MP5B	Mx	-.041	5.5
91	MP5C	X	-66.479	.5
92	MP5C	Z	115.145	.5
93	MP5C	Mx	.033	.5
94	MP5C	X	-66.479	5.5
95	MP5C	Z	115.145	5.5
96	MP5C	Mx	.033	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-103.676	1
2	MP3A	Z	59.857	1
3	MP3A	Mx	.082	1
4	MP3A	X	-103.676	5.5
5	MP3A	Z	59.857	5.5
6	MP3A	Mx	.082	5.5
7	MP3B	X	-103.676	1
8	MP3B	Z	59.857	1
9	MP3B	Mx	-.022	1
10	MP3B	X	-103.676	5.5
11	MP3B	Z	59.857	5.5
12	MP3B	Mx	-.022	5.5
13	MP3C	X	-139.009	1
14	MP3C	Z	80.257	1
15	MP3C	Mx	-.08	1
16	MP3C	X	-139.009	5.5
17	MP3C	Z	80.257	5.5
18	MP3C	Mx	-.08	5.5
19	MP3A	X	-103.676	1
20	MP3A	Z	59.857	1
21	MP3A	Mx	.022	1
22	MP3A	X	-103.676	5.5
23	MP3A	Z	59.857	5.5
24	MP3A	Mx	.022	5.5
25	MP3B	X	-103.676	1
26	MP3B	Z	59.857	1
27	MP3B	Mx	-.082	1
28	MP3B	X	-103.676	5.5
29	MP3B	Z	59.857	5.5
30	MP3B	Mx	-.082	5.5
31	MP3C	X	-139.009	1
32	MP3C	Z	80.257	1
33	MP3C	Mx	.08	1
34	MP3C	X	-139.009	5.5
35	MP3C	Z	80.257	5.5
36	MP3C	Mx	.08	5.5
37	MP1A	X	-43.957	2.5
38	MP1A	Z	25.379	2.5
39	MP1A	Mx	.022	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP1A	X	-43.957	3.5
41	MP1A	Z	25.379	3.5
42	MP1A	Mx	.022	3.5
43	MP1B	X	-43.957	2.5
44	MP1B	Z	25.379	2.5
45	MP1B	Mx	-.022	2.5
46	MP1B	X	-43.957	3.5
47	MP1B	Z	25.379	3.5
48	MP1B	Mx	-.022	3.5
49	MP1C	X	-80.859	2.5
50	MP1C	Z	46.684	2.5
51	MP1C	Mx	0	2.5
52	MP1C	X	-80.859	3.5
53	MP1C	Z	46.684	3.5
54	MP1C	Mx	0	3.5
55	MP3A	X	-48.343	1.5
56	MP3A	Z	27.911	1.5
57	MP3A	Mx	-.024	1.5
58	MP3B	X	-48.343	1.5
59	MP3B	Z	27.911	1.5
60	MP3B	Mx	.024	1.5
61	MP3C	X	-64.343	1.5
62	MP3C	Z	37.149	1.5
63	MP3C	Mx	0	1.5
64	MP3A	X	-42.063	4
65	MP3A	Z	24.285	4
66	MP3A	Mx	-.021	4
67	MP3B	X	-42.063	4
68	MP3B	Z	24.285	4
69	MP3B	Mx	.021	4
70	MP3C	X	-64.112	4
71	MP3C	Z	37.015	4
72	MP3C	Mx	0	4
73	M111	X	-96.991	1.5
74	M111	Z	55.998	1.5
75	M111	Mx	0	1.5
76	M318	X	-96.991	1.5
77	M318	Z	55.998	1.5
78	M318	Mx	0	1.5
79	MP5A	X	-85.901	.5
80	MP5A	Z	49.595	.5
81	MP5A	Mx	.043	.5
82	MP5A	X	-85.901	5.5
83	MP5A	Z	49.595	5.5
84	MP5A	Mx	.043	5.5
85	MP5B	X	-85.901	.5
86	MP5B	Z	49.595	.5
87	MP5B	Mx	-.043	.5
88	MP5B	X	-85.901	5.5
89	MP5B	Z	49.595	5.5
90	MP5B	Mx	-.043	5.5
91	MP5C	X	-129.767	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP5C	Z	74.921	.5
93	MP5C	Mx	0	.5
94	MP5C	X	-129.767	5.5
95	MP5C	Z	74.921	5.5
96	MP5C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-106.115	1
2	MP3A	Z	0	1
3	MP3A	Mx	.053	1
4	MP3A	X	-106.115	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.053	5.5
7	MP3B	X	-146.914	1
8	MP3B	Z	0	1
9	MP3B	Mx	.027	1
10	MP3B	X	-146.914	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	.027	5.5
13	MP3C	X	-146.914	1
14	MP3C	Z	0	1
15	MP3C	Mx	-.1	1
16	MP3C	X	-146.914	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.1	5.5
19	MP3A	X	-106.115	1
20	MP3A	Z	0	1
21	MP3A	Mx	.053	1
22	MP3A	X	-106.115	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.053	5.5
25	MP3B	X	-146.914	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.1	1
28	MP3B	X	-146.914	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.1	5.5
31	MP3C	X	-146.914	1
32	MP3C	Z	0	1
33	MP3C	Mx	.027	1
34	MP3C	X	-146.914	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.027	5.5
37	MP1A	X	-36.553	2.5
38	MP1A	Z	0	2.5
39	MP1A	Mx	.018	2.5
40	MP1A	X	-36.553	3.5
41	MP1A	Z	0	3.5
42	MP1A	Mx	.018	3.5
43	MP1B	X	-79.164	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP1B	Z	0	2.5
45	MP1B	Mx	-.02	2.5
46	MP1B	X	-79.164	3.5
47	MP1B	Z	0	3.5
48	MP1B	Mx	-.02	3.5
49	MP1C	X	-79.164	2.5
50	MP1C	Z	0	2.5
51	MP1C	Mx	-.02	2.5
52	MP1C	X	-79.164	3.5
53	MP1C	Z	0	3.5
54	MP1C	Mx	-.02	3.5
55	MP3A	X	-49.664	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	-.025	1.5
58	MP3B	X	-68.139	1.5
59	MP3B	Z	0	1.5
60	MP3B	Mx	.017	1.5
61	MP3C	X	-68.139	1.5
62	MP3C	Z	0	1.5
63	MP3C	Mx	.017	1.5
64	MP3A	X	-40.083	4
65	MP3A	Z	0	4
66	MP3A	Mx	-.02	4
67	MP3B	X	-65.543	4
68	MP3B	Z	0	4
69	MP3B	Mx	.016	4
70	MP3C	X	-65.543	4
71	MP3C	Z	0	4
72	MP3C	Mx	.016	4
73	M111	X	-99.314	1.5
74	M111	Z	0	1.5
75	M111	Mx	0	1.5
76	M318	X	-99.314	1.5
77	M318	Z	0	1.5
78	M318	Mx	0	1.5
79	MP5A	X	-82.306	.5
80	MP5A	Z	0	.5
81	MP5A	Mx	.041	.5
82	MP5A	X	-82.306	5.5
83	MP5A	Z	0	5.5
84	MP5A	Mx	.041	5.5
85	MP5B	X	-132.958	.5
86	MP5B	Z	0	.5
87	MP5B	Mx	-.033	.5
88	MP5B	X	-132.958	5.5
89	MP5B	Z	0	5.5
90	MP5B	Mx	-.033	5.5
91	MP5C	X	-132.958	.5
92	MP5C	Z	0	.5
93	MP5C	Mx	-.033	.5
94	MP5C	X	-132.958	5.5
95	MP5C	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP5C	Mx	-.033	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-103.676	1
2	MP3A	Z	-59.857	1
3	MP3A	Mx	.022	1
4	MP3A	X	-103.676	5.5
5	MP3A	Z	-59.857	5.5
6	MP3A	Mx	.022	5.5
7	MP3B	X	-139.009	1
8	MP3B	Z	-80.257	1
9	MP3B	Mx	.08	1
10	MP3B	X	-139.009	5.5
11	MP3B	Z	-80.257	5.5
12	MP3B	Mx	.08	5.5
13	MP3C	X	-103.676	1
14	MP3C	Z	-59.857	1
15	MP3C	Mx	-.082	1
16	MP3C	X	-103.676	5.5
17	MP3C	Z	-59.857	5.5
18	MP3C	Mx	-.082	5.5
19	MP3A	X	-103.676	1
20	MP3A	Z	-59.857	1
21	MP3A	Mx	.082	1
22	MP3A	X	-103.676	5.5
23	MP3A	Z	-59.857	5.5
24	MP3A	Mx	.082	5.5
25	MP3B	X	-139.009	1
26	MP3B	Z	-80.257	1
27	MP3B	Mx	-.08	1
28	MP3B	X	-139.009	5.5
29	MP3B	Z	-80.257	5.5
30	MP3B	Mx	-.08	5.5
31	MP3C	X	-103.676	1
32	MP3C	Z	-59.857	1
33	MP3C	Mx	-.022	1
34	MP3C	X	-103.676	5.5
35	MP3C	Z	-59.857	5.5
36	MP3C	Mx	-.022	5.5
37	MP1A	X	-43.957	2.5
38	MP1A	Z	-25.379	2.5
39	MP1A	Mx	.022	2.5
40	MP1A	X	-43.957	3.5
41	MP1A	Z	-25.379	3.5
42	MP1A	Mx	.022	3.5
43	MP1B	X	-80.859	2.5
44	MP1B	Z	-46.684	2.5
45	MP1B	Mx	0	2.5
46	MP1B	X	-80.859	3.5
47	MP1B	Z	-46.684	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP1B	Mx	0	3.5
49	MP1C	X	-43.957	2.5
50	MP1C	Z	-25.379	2.5
51	MP1C	Mx	-.022	2.5
52	MP1C	X	-43.957	3.5
53	MP1C	Z	-25.379	3.5
54	MP1C	Mx	-.022	3.5
55	MP3A	X	-48.343	1.5
56	MP3A	Z	-27.911	1.5
57	MP3A	Mx	-.024	1.5
58	MP3B	X	-64.343	1.5
59	MP3B	Z	-37.149	1.5
60	MP3B	Mx	0	1.5
61	MP3C	X	-48.343	1.5
62	MP3C	Z	-27.911	1.5
63	MP3C	Mx	.024	1.5
64	MP3A	X	-42.063	4
65	MP3A	Z	-24.285	4
66	MP3A	Mx	-.021	4
67	MP3B	X	-64.112	4
68	MP3B	Z	-37.015	4
69	MP3B	Mx	0	4
70	MP3C	X	-42.063	4
71	MP3C	Z	-24.285	4
72	MP3C	Mx	.021	4
73	M111	X	-96.991	1.5
74	M111	Z	-55.998	1.5
75	M111	Mx	0	1.5
76	M318	X	-96.991	1.5
77	M318	Z	-55.998	1.5
78	M318	Mx	0	1.5
79	MP5A	X	-85.901	.5
80	MP5A	Z	-49.595	.5
81	MP5A	Mx	.043	.5
82	MP5A	X	-85.901	5.5
83	MP5A	Z	-49.595	5.5
84	MP5A	Mx	.043	5.5
85	MP5B	X	-129.767	.5
86	MP5B	Z	-74.921	.5
87	MP5B	Mx	0	.5
88	MP5B	X	-129.767	5.5
89	MP5B	Z	-74.921	5.5
90	MP5B	Mx	0	5.5
91	MP5C	X	-85.901	.5
92	MP5C	Z	-49.595	.5
93	MP5C	Mx	-.043	.5
94	MP5C	X	-85.901	5.5
95	MP5C	Z	-49.595	5.5
96	MP5C	Mx	-.043	5.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-73.457	1
2	MP3A	Z	-127.231	1
3	MP3A	Mx	-.027	1
4	MP3A	X	-73.457	5.5
5	MP3A	Z	-127.231	5.5
6	MP3A	Mx	-.027	5.5
7	MP3B	X	-73.457	1
8	MP3B	Z	-127.231	1
9	MP3B	Mx	.1	1
10	MP3B	X	-73.457	5.5
11	MP3B	Z	-127.231	5.5
12	MP3B	Mx	.1	5.5
13	MP3C	X	-53.057	1
14	MP3C	Z	-91.898	1
15	MP3C	Mx	-.053	1
16	MP3C	X	-53.057	5.5
17	MP3C	Z	-91.898	5.5
18	MP3C	Mx	-.053	5.5
19	MP3A	X	-73.457	1
20	MP3A	Z	-127.231	1
21	MP3A	Mx	.1	1
22	MP3A	X	-73.457	5.5
23	MP3A	Z	-127.231	5.5
24	MP3A	Mx	.1	5.5
25	MP3B	X	-73.457	1
26	MP3B	Z	-127.231	1
27	MP3B	Mx	-.027	1
28	MP3B	X	-73.457	5.5
29	MP3B	Z	-127.231	5.5
30	MP3B	Mx	-.027	5.5
31	MP3C	X	-53.057	1
32	MP3C	Z	-91.898	1
33	MP3C	Mx	-.053	1
34	MP3C	X	-53.057	5.5
35	MP3C	Z	-91.898	5.5
36	MP3C	Mx	-.053	5.5
37	MP1A	X	-39.582	2.5
38	MP1A	Z	-68.558	2.5
39	MP1A	Mx	.02	2.5
40	MP1A	X	-39.582	3.5
41	MP1A	Z	-68.558	3.5
42	MP1A	Mx	.02	3.5
43	MP1B	X	-39.582	2.5
44	MP1B	Z	-68.558	2.5
45	MP1B	Mx	.02	2.5
46	MP1B	X	-39.582	3.5
47	MP1B	Z	-68.558	3.5
48	MP1B	Mx	.02	3.5
49	MP1C	X	-18.277	2.5
50	MP1C	Z	-31.656	2.5
51	MP1C	Mx	-.018	2.5
52	MP1C	X	-18.277	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP1C	Z	-31.656	3.5
54	MP1C	Mx	-.018	3.5
55	MP3A	X	-34.069	1.5
56	MP3A	Z	-59.01	1.5
57	MP3A	Mx	-.017	1.5
58	MP3B	X	-34.069	1.5
59	MP3B	Z	-59.01	1.5
60	MP3B	Mx	-.017	1.5
61	MP3C	X	-24.832	1.5
62	MP3C	Z	-43.01	1.5
63	MP3C	Mx	.025	1.5
64	MP3A	X	-32.772	4
65	MP3A	Z	-56.762	4
66	MP3A	Mx	-.016	4
67	MP3B	X	-32.772	4
68	MP3B	Z	-56.762	4
69	MP3B	Mx	-.016	4
70	MP3C	X	-20.042	4
71	MP3C	Z	-34.713	4
72	MP3C	Mx	.02	4
73	M111	X	-68.679	1.5
74	M111	Z	-118.956	1.5
75	M111	Mx	0	1.5
76	M318	X	-68.679	1.5
77	M318	Z	-118.956	1.5
78	M318	Mx	0	1.5
79	MP5A	X	-66.479	.5
80	MP5A	Z	-115.145	.5
81	MP5A	Mx	.033	.5
82	MP5A	X	-66.479	5.5
83	MP5A	Z	-115.145	5.5
84	MP5A	Mx	.033	5.5
85	MP5B	X	-66.479	.5
86	MP5B	Z	-115.145	.5
87	MP5B	Mx	.033	.5
88	MP5B	X	-66.479	5.5
89	MP5B	Z	-115.145	5.5
90	MP5B	Mx	.033	5.5
91	MP5C	X	-41.153	.5
92	MP5C	Z	-71.279	.5
93	MP5C	Mx	-.041	.5
94	MP5C	X	-41.153	5.5
95	MP5C	Z	-71.279	5.5
96	MP5C	Mx	-.041	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	-31.742	1
3	MP3A	Mx	-.016	1
4	MP3A	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP3A	Z	-31.742	5.5
6	MP3A	Mx	-.016	5.5
7	MP3B	X	0	1
8	MP3B	Z	-24.341	1
9	MP3B	Mx	.017	1
10	MP3B	X	0	5.5
11	MP3B	Z	-24.341	5.5
12	MP3B	Mx	.017	5.5
13	MP3C	X	0	1
14	MP3C	Z	-24.341	1
15	MP3C	Mx	-.004	1
16	MP3C	X	0	5.5
17	MP3C	Z	-24.341	5.5
18	MP3C	Mx	-.004	5.5
19	MP3A	X	0	1
20	MP3A	Z	-31.742	1
21	MP3A	Mx	.016	1
22	MP3A	X	0	5.5
23	MP3A	Z	-31.742	5.5
24	MP3A	Mx	.016	5.5
25	MP3B	X	0	1
26	MP3B	Z	-24.341	1
27	MP3B	Mx	.004	1
28	MP3B	X	0	5.5
29	MP3B	Z	-24.341	5.5
30	MP3B	Mx	.004	5.5
31	MP3C	X	0	1
32	MP3C	Z	-24.341	1
33	MP3C	Mx	-.017	1
34	MP3C	X	0	5.5
35	MP3C	Z	-24.341	5.5
36	MP3C	Mx	-.017	5.5
37	MP1A	X	0	2.5
38	MP1A	Z	-18.903	2.5
39	MP1A	Mx	0	2.5
40	MP1A	X	0	3.5
41	MP1A	Z	-18.903	3.5
42	MP1A	Mx	0	3.5
43	MP1B	X	0	2.5
44	MP1B	Z	-10.757	2.5
45	MP1B	Mx	.005	2.5
46	MP1B	X	0	3.5
47	MP1B	Z	-10.757	3.5
48	MP1B	Mx	.005	3.5
49	MP1C	X	0	2.5
50	MP1C	Z	-10.757	2.5
51	MP1C	Mx	-.005	2.5
52	MP1C	X	0	3.5
53	MP1C	Z	-10.757	3.5
54	MP1C	Mx	-.005	3.5
55	MP3A	X	0	1.5
56	MP3A	Z	-15.918	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP3A	Mx	0	1.5
58	MP3B	X	0	1.5
59	MP3B	Z	-12.278	1.5
60	MP3B	Mx	-.005	1.5
61	MP3C	X	0	1.5
62	MP3C	Z	-12.278	1.5
63	MP3C	Mx	.005	1.5
64	MP3A	X	0	4
65	MP3A	Z	-15.856	4
66	MP3A	Mx	0	4
67	MP3B	X	0	4
68	MP3B	Z	-10.852	4
69	MP3B	Mx	-.005	4
70	MP3C	X	0	4
71	MP3C	Z	-10.852	4
72	MP3C	Mx	.005	4
73	M111	X	0	1.5
74	M111	Z	-30.548	1.5
75	M111	Mx	0	1.5
76	M318	X	0	1.5
77	M318	Z	-30.548	1.5
78	M318	Mx	0	1.5
79	MP5A	X	0	.5
80	MP5A	Z	-29.734	.5
81	MP5A	Mx	0	.5
82	MP5A	X	0	5.5
83	MP5A	Z	-29.734	5.5
84	MP5A	Mx	0	5.5
85	MP5B	X	0	.5
86	MP5B	Z	-20.482	.5
87	MP5B	Mx	.009	.5
88	MP5B	X	0	5.5
89	MP5B	Z	-20.482	5.5
90	MP5B	Mx	.009	5.5
91	MP5C	X	0	.5
92	MP5C	Z	-20.482	.5
93	MP5C	Mx	-.009	.5
94	MP5C	X	0	5.5
95	MP5C	Z	-20.482	5.5
96	MP5C	Mx	-.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	14.637	1
2	MP3A	Z	-25.353	1
3	MP3A	Mx	-.02	1
4	MP3A	X	14.637	5.5
5	MP3A	Z	-25.353	5.5
6	MP3A	Mx	-.02	5.5
7	MP3B	X	10.937	1
8	MP3B	Z	-18.944	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	.011	1
10	MP3B	X	10.937	5.5
11	MP3B	Z	-18.944	5.5
12	MP3B	Mx	.011	5.5
13	MP3C	X	14.637	1
14	MP3C	Z	-25.353	1
15	MP3C	Mx	.005	1
16	MP3C	X	14.637	5.5
17	MP3C	Z	-25.353	5.5
18	MP3C	Mx	.005	5.5
19	MP3A	X	14.637	1
20	MP3A	Z	-25.353	1
21	MP3A	Mx	.005	1
22	MP3A	X	14.637	5.5
23	MP3A	Z	-25.353	5.5
24	MP3A	Mx	.005	5.5
25	MP3B	X	10.937	1
26	MP3B	Z	-18.944	1
27	MP3B	Mx	.011	1
28	MP3B	X	10.937	5.5
29	MP3B	Z	-18.944	5.5
30	MP3B	Mx	.011	5.5
31	MP3C	X	14.637	1
32	MP3C	Z	-25.353	1
33	MP3C	Mx	-.02	1
34	MP3C	X	14.637	5.5
35	MP3C	Z	-25.353	5.5
36	MP3C	Mx	-.02	5.5
37	MP1A	X	8.094	2.5
38	MP1A	Z	-14.019	2.5
39	MP1A	Mx	-.004	2.5
40	MP1A	X	8.094	3.5
41	MP1A	Z	-14.019	3.5
42	MP1A	Mx	-.004	3.5
43	MP1B	X	4.021	2.5
44	MP1B	Z	-6.964	2.5
45	MP1B	Mx	.004	2.5
46	MP1B	X	4.021	3.5
47	MP1B	Z	-6.964	3.5
48	MP1B	Mx	.004	3.5
49	MP1C	X	8.094	2.5
50	MP1C	Z	-14.019	2.5
51	MP1C	Mx	-.004	2.5
52	MP1C	X	8.094	3.5
53	MP1C	Z	-14.019	3.5
54	MP1C	Mx	-.004	3.5
55	MP3A	X	7.352	1.5
56	MP3A	Z	-12.735	1.5
57	MP3A	Mx	.004	1.5
58	MP3B	X	5.533	1.5
59	MP3B	Z	-9.583	1.5
60	MP3B	Mx	-.006	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP3C	X	7.352	1.5
62	MP3C	Z	-12.735	1.5
63	MP3C	Mx	.004	1.5
64	MP3A	X	7.094	4
65	MP3A	Z	-12.287	4
66	MP3A	Mx	.004	4
67	MP3B	X	4.592	4
68	MP3B	Z	-7.954	4
69	MP3B	Mx	-.005	4
70	MP3C	X	7.094	4
71	MP3C	Z	-12.287	4
72	MP3C	Mx	.004	4
73	M111	X	14.066	1.5
74	M111	Z	-24.363	1.5
75	M111	Mx	0	1.5
76	M318	X	14.066	1.5
77	M318	Z	-24.363	1.5
78	M318	Mx	0	1.5
79	MP5A	X	13.325	.5
80	MP5A	Z	-23.08	.5
81	MP5A	Mx	-.007	.5
82	MP5A	X	13.325	5.5
83	MP5A	Z	-23.08	5.5
84	MP5A	Mx	-.007	5.5
85	MP5B	X	8.699	.5
86	MP5B	Z	-15.068	.5
87	MP5B	Mx	.009	.5
88	MP5B	X	8.699	5.5
89	MP5B	Z	-15.068	5.5
90	MP5B	Mx	.009	5.5
91	MP5C	X	13.325	.5
92	MP5C	Z	-23.08	.5
93	MP5C	Mx	-.007	.5
94	MP5C	X	13.325	5.5
95	MP5C	Z	-23.08	5.5
96	MP5C	Mx	-.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	21.08	1
2	MP3A	Z	-12.171	1
3	MP3A	Mx	-.017	1
4	MP3A	X	21.08	5.5
5	MP3A	Z	-12.171	5.5
6	MP3A	Mx	-.017	5.5
7	MP3B	X	21.08	1
8	MP3B	Z	-12.171	1
9	MP3B	Mx	.004	1
10	MP3B	X	21.08	5.5
11	MP3B	Z	-12.171	5.5
12	MP3B	Mx	.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3C	X	27.489	1
14	MP3C	Z	-15.871	1
15	MP3C	Mx	.016	1
16	MP3C	X	27.489	5.5
17	MP3C	Z	-15.871	5.5
18	MP3C	Mx	.016	5.5
19	MP3A	X	21.08	1
20	MP3A	Z	-12.171	1
21	MP3A	Mx	-.004	1
22	MP3A	X	21.08	5.5
23	MP3A	Z	-12.171	5.5
24	MP3A	Mx	-.004	5.5
25	MP3B	X	21.08	1
26	MP3B	Z	-12.171	1
27	MP3B	Mx	.017	1
28	MP3B	X	21.08	5.5
29	MP3B	Z	-12.171	5.5
30	MP3B	Mx	.017	5.5
31	MP3C	X	27.489	1
32	MP3C	Z	-15.871	1
33	MP3C	Mx	-.016	1
34	MP3C	X	27.489	5.5
35	MP3C	Z	-15.871	5.5
36	MP3C	Mx	-.016	5.5
37	MP1A	X	9.316	2.5
38	MP1A	Z	-5.378	2.5
39	MP1A	Mx	-.005	2.5
40	MP1A	X	9.316	3.5
41	MP1A	Z	-5.378	3.5
42	MP1A	Mx	-.005	3.5
43	MP1B	X	9.316	2.5
44	MP1B	Z	-5.378	2.5
45	MP1B	Mx	.005	2.5
46	MP1B	X	9.316	3.5
47	MP1B	Z	-5.378	3.5
48	MP1B	Mx	.005	3.5
49	MP1C	X	16.371	2.5
50	MP1C	Z	-9.452	2.5
51	MP1C	Mx	0	2.5
52	MP1C	X	16.371	3.5
53	MP1C	Z	-9.452	3.5
54	MP1C	Mx	0	3.5
55	MP3A	X	10.633	1.5
56	MP3A	Z	-6.139	1.5
57	MP3A	Mx	.005	1.5
58	MP3B	X	10.633	1.5
59	MP3B	Z	-6.139	1.5
60	MP3B	Mx	-.005	1.5
61	MP3C	X	13.785	1.5
62	MP3C	Z	-7.959	1.5
63	MP3C	Mx	0	1.5
64	MP3A	X	9.399	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP3A	Z	-5.426	4
66	MP3A	Mx	.005	4
67	MP3B	X	9.399	4
68	MP3B	Z	-5.426	4
69	MP3B	Mx	-.005	4
70	MP3C	X	13.732	4
71	MP3C	Z	-7.928	4
72	MP3C	Mx	0	4
73	M111	X	20.177	1.5
74	M111	Z	-11.649	1.5
75	M111	Mx	0	1.5
76	M318	X	20.177	1.5
77	M318	Z	-11.649	1.5
78	M318	Mx	0	1.5
79	MP5A	X	17.738	.5
80	MP5A	Z	-10.241	.5
81	MP5A	Mx	-.009	.5
82	MP5A	X	17.738	5.5
83	MP5A	Z	-10.241	5.5
84	MP5A	Mx	-.009	5.5
85	MP5B	X	17.738	.5
86	MP5B	Z	-10.241	.5
87	MP5B	Mx	.009	.5
88	MP5B	X	17.738	5.5
89	MP5B	Z	-10.241	5.5
90	MP5B	Mx	.009	5.5
91	MP5C	X	25.75	.5
92	MP5C	Z	-14.867	.5
93	MP5C	Mx	0	.5
94	MP5C	X	25.75	5.5
95	MP5C	Z	-14.867	5.5
96	MP5C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	21.874	1
2	MP3A	Z	0	1
3	MP3A	Mx	-.011	1
4	MP3A	X	21.874	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.011	5.5
7	MP3B	X	29.275	1
8	MP3B	Z	0	1
9	MP3B	Mx	-.005	1
10	MP3B	X	29.275	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.005	5.5
13	MP3C	X	29.275	1
14	MP3C	Z	0	1
15	MP3C	Mx	.02	1
16	MP3C	X	29.275	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	0	5.5
18	MP3C	Mx	.02	5.5
19	MP3A	X	21.874	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.011	1
22	MP3A	X	21.874	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.011	5.5
25	MP3B	X	29.275	1
26	MP3B	Z	0	1
27	MP3B	Mx	.02	1
28	MP3B	X	29.275	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.02	5.5
31	MP3C	X	29.275	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.005	1
34	MP3C	X	29.275	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.005	5.5
37	MP1A	X	8.041	2.5
38	MP1A	Z	0	2.5
39	MP1A	Mx	-.004	2.5
40	MP1A	X	8.041	3.5
41	MP1A	Z	0	3.5
42	MP1A	Mx	-.004	3.5
43	MP1B	X	16.188	2.5
44	MP1B	Z	0	2.5
45	MP1B	Mx	.004	2.5
46	MP1B	X	16.188	3.5
47	MP1B	Z	0	3.5
48	MP1B	Mx	.004	3.5
49	MP1C	X	16.188	2.5
50	MP1C	Z	0	2.5
51	MP1C	Mx	.004	2.5
52	MP1C	X	16.188	3.5
53	MP1C	Z	0	3.5
54	MP1C	Mx	.004	3.5
55	MP3A	X	11.065	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	.006	1.5
58	MP3B	X	14.705	1.5
59	MP3B	Z	0	1.5
60	MP3B	Mx	-.004	1.5
61	MP3C	X	14.705	1.5
62	MP3C	Z	0	1.5
63	MP3C	Mx	-.004	1.5
64	MP3A	X	9.185	4
65	MP3A	Z	0	4
66	MP3A	Mx	.005	4
67	MP3B	X	14.188	4
68	MP3B	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3B	Mx	-.004	4
70	MP3C	X	14.188	4
71	MP3C	Z	0	4
72	MP3C	Mx	-.004	4
73	M111	X	20.881	1.5
74	M111	Z	0	1.5
75	M111	Mx	0	1.5
76	M318	X	20.881	1.5
77	M318	Z	0	1.5
78	M318	Mx	0	1.5
79	MP5A	X	17.399	.5
80	MP5A	Z	0	.5
81	MP5A	Mx	-.009	.5
82	MP5A	X	17.399	5.5
83	MP5A	Z	0	5.5
84	MP5A	Mx	-.009	5.5
85	MP5B	X	26.65	.5
86	MP5B	Z	0	.5
87	MP5B	Mx	.007	.5
88	MP5B	X	26.65	5.5
89	MP5B	Z	0	5.5
90	MP5B	Mx	.007	5.5
91	MP5C	X	26.65	.5
92	MP5C	Z	0	.5
93	MP5C	Mx	.007	.5
94	MP5C	X	26.65	5.5
95	MP5C	Z	0	5.5
96	MP5C	Mx	.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	21.08	1
2	MP3A	Z	12.171	1
3	MP3A	Mx	-.004	1
4	MP3A	X	21.08	5.5
5	MP3A	Z	12.171	5.5
6	MP3A	Mx	-.004	5.5
7	MP3B	X	27.489	1
8	MP3B	Z	15.871	1
9	MP3B	Mx	-.016	1
10	MP3B	X	27.489	5.5
11	MP3B	Z	15.871	5.5
12	MP3B	Mx	-.016	5.5
13	MP3C	X	21.08	1
14	MP3C	Z	12.171	1
15	MP3C	Mx	.017	1
16	MP3C	X	21.08	5.5
17	MP3C	Z	12.171	5.5
18	MP3C	Mx	.017	5.5
19	MP3A	X	21.08	1
20	MP3A	Z	12.171	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3A	Mx	-.017	1
22	MP3A	X	21.08	5.5
23	MP3A	Z	12.171	5.5
24	MP3A	Mx	-.017	5.5
25	MP3B	X	27.489	1
26	MP3B	Z	15.871	1
27	MP3B	Mx	.016	1
28	MP3B	X	27.489	5.5
29	MP3B	Z	15.871	5.5
30	MP3B	Mx	.016	5.5
31	MP3C	X	21.08	1
32	MP3C	Z	12.171	1
33	MP3C	Mx	.004	1
34	MP3C	X	21.08	5.5
35	MP3C	Z	12.171	5.5
36	MP3C	Mx	.004	5.5
37	MP1A	X	9.316	2.5
38	MP1A	Z	5.378	2.5
39	MP1A	Mx	-.005	2.5
40	MP1A	X	9.316	3.5
41	MP1A	Z	5.378	3.5
42	MP1A	Mx	-.005	3.5
43	MP1B	X	16.371	2.5
44	MP1B	Z	9.452	2.5
45	MP1B	Mx	0	2.5
46	MP1B	X	16.371	3.5
47	MP1B	Z	9.452	3.5
48	MP1B	Mx	0	3.5
49	MP1C	X	9.316	2.5
50	MP1C	Z	5.378	2.5
51	MP1C	Mx	.005	2.5
52	MP1C	X	9.316	3.5
53	MP1C	Z	5.378	3.5
54	MP1C	Mx	.005	3.5
55	MP3A	X	10.633	1.5
56	MP3A	Z	6.139	1.5
57	MP3A	Mx	.005	1.5
58	MP3B	X	13.785	1.5
59	MP3B	Z	7.959	1.5
60	MP3B	Mx	0	1.5
61	MP3C	X	10.633	1.5
62	MP3C	Z	6.139	1.5
63	MP3C	Mx	-.005	1.5
64	MP3A	X	9.399	4
65	MP3A	Z	5.426	4
66	MP3A	Mx	.005	4
67	MP3B	X	13.732	4
68	MP3B	Z	7.928	4
69	MP3B	Mx	0	4
70	MP3C	X	9.399	4
71	MP3C	Z	5.426	4
72	MP3C	Mx	-.005	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	M111	X	20.177	1.5
74	M111	Z	11.649	1.5
75	M111	Mx	0	1.5
76	M318	X	20.177	1.5
77	M318	Z	11.649	1.5
78	M318	Mx	0	1.5
79	MP5A	X	17.738	.5
80	MP5A	Z	10.241	.5
81	MP5A	Mx	-.009	.5
82	MP5A	X	17.738	5.5
83	MP5A	Z	10.241	5.5
84	MP5A	Mx	-.009	5.5
85	MP5B	X	25.75	.5
86	MP5B	Z	14.867	.5
87	MP5B	Mx	0	.5
88	MP5B	X	25.75	5.5
89	MP5B	Z	14.867	5.5
90	MP5B	Mx	0	5.5
91	MP5C	X	17.738	.5
92	MP5C	Z	10.241	.5
93	MP5C	Mx	.009	.5
94	MP5C	X	17.738	5.5
95	MP5C	Z	10.241	5.5
96	MP5C	Mx	.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	14.637	1
2	MP3A	Z	25.353	1
3	MP3A	Mx	.005	1
4	MP3A	X	14.637	5.5
5	MP3A	Z	25.353	5.5
6	MP3A	Mx	.005	5.5
7	MP3B	X	14.637	1
8	MP3B	Z	25.353	1
9	MP3B	Mx	-.02	1
10	MP3B	X	14.637	5.5
11	MP3B	Z	25.353	5.5
12	MP3B	Mx	-.02	5.5
13	MP3C	X	10.937	1
14	MP3C	Z	18.944	1
15	MP3C	Mx	.011	1
16	MP3C	X	10.937	5.5
17	MP3C	Z	18.944	5.5
18	MP3C	Mx	.011	5.5
19	MP3A	X	14.637	1
20	MP3A	Z	25.353	1
21	MP3A	Mx	-.02	1
22	MP3A	X	14.637	5.5
23	MP3A	Z	25.353	5.5
24	MP3A	Mx	-.02	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	14.637	1
26	MP3B	Z	25.353	1
27	MP3B	Mx	.005	1
28	MP3B	X	14.637	5.5
29	MP3B	Z	25.353	5.5
30	MP3B	Mx	.005	5.5
31	MP3C	X	10.937	1
32	MP3C	Z	18.944	1
33	MP3C	Mx	.011	1
34	MP3C	X	10.937	5.5
35	MP3C	Z	18.944	5.5
36	MP3C	Mx	.011	5.5
37	MP1A	X	8.094	2.5
38	MP1A	Z	14.019	2.5
39	MP1A	Mx	-.004	2.5
40	MP1A	X	8.094	3.5
41	MP1A	Z	14.019	3.5
42	MP1A	Mx	-.004	3.5
43	MP1B	X	8.094	2.5
44	MP1B	Z	14.019	2.5
45	MP1B	Mx	-.004	2.5
46	MP1B	X	8.094	3.5
47	MP1B	Z	14.019	3.5
48	MP1B	Mx	-.004	3.5
49	MP1C	X	4.021	2.5
50	MP1C	Z	6.964	2.5
51	MP1C	Mx	.004	2.5
52	MP1C	X	4.021	3.5
53	MP1C	Z	6.964	3.5
54	MP1C	Mx	.004	3.5
55	MP3A	X	7.352	1.5
56	MP3A	Z	12.735	1.5
57	MP3A	Mx	.004	1.5
58	MP3B	X	7.352	1.5
59	MP3B	Z	12.735	1.5
60	MP3B	Mx	.004	1.5
61	MP3C	X	5.533	1.5
62	MP3C	Z	9.583	1.5
63	MP3C	Mx	-.006	1.5
64	MP3A	X	7.094	4
65	MP3A	Z	12.287	4
66	MP3A	Mx	.004	4
67	MP3B	X	7.094	4
68	MP3B	Z	12.287	4
69	MP3B	Mx	.004	4
70	MP3C	X	4.592	4
71	MP3C	Z	7.954	4
72	MP3C	Mx	-.005	4
73	M111	X	14.066	1.5
74	M111	Z	24.363	1.5
75	M111	Mx	0	1.5
76	M318	X	14.066	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	M318	Z	24.363	1.5
78	M318	Mx	0	1.5
79	MP5A	X	13.325	.5
80	MP5A	Z	23.08	.5
81	MP5A	Mx	-.007	.5
82	MP5A	X	13.325	5.5
83	MP5A	Z	23.08	5.5
84	MP5A	Mx	-.007	5.5
85	MP5B	X	13.325	.5
86	MP5B	Z	23.08	.5
87	MP5B	Mx	-.007	.5
88	MP5B	X	13.325	5.5
89	MP5B	Z	23.08	5.5
90	MP5B	Mx	-.007	5.5
91	MP5C	X	8.699	.5
92	MP5C	Z	15.068	.5
93	MP5C	Mx	.009	.5
94	MP5C	X	8.699	5.5
95	MP5C	Z	15.068	5.5
96	MP5C	Mx	.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	31.742	1
3	MP3A	Mx	.016	1
4	MP3A	X	0	5.5
5	MP3A	Z	31.742	5.5
6	MP3A	Mx	.016	5.5
7	MP3B	X	0	1
8	MP3B	Z	24.341	1
9	MP3B	Mx	-.017	1
10	MP3B	X	0	5.5
11	MP3B	Z	24.341	5.5
12	MP3B	Mx	-.017	5.5
13	MP3C	X	0	1
14	MP3C	Z	24.341	1
15	MP3C	Mx	.004	1
16	MP3C	X	0	5.5
17	MP3C	Z	24.341	5.5
18	MP3C	Mx	.004	5.5
19	MP3A	X	0	1
20	MP3A	Z	31.742	1
21	MP3A	Mx	-.016	1
22	MP3A	X	0	5.5
23	MP3A	Z	31.742	5.5
24	MP3A	Mx	-.016	5.5
25	MP3B	X	0	1
26	MP3B	Z	24.341	1
27	MP3B	Mx	-.004	1
28	MP3B	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	24.341	5.5
30	MP3B	Mx	-.004	5.5
31	MP3C	X	0	1
32	MP3C	Z	24.341	1
33	MP3C	Mx	.017	1
34	MP3C	X	0	5.5
35	MP3C	Z	24.341	5.5
36	MP3C	Mx	.017	5.5
37	MP1A	X	0	2.5
38	MP1A	Z	18.903	2.5
39	MP1A	Mx	0	2.5
40	MP1A	X	0	3.5
41	MP1A	Z	18.903	3.5
42	MP1A	Mx	0	3.5
43	MP1B	X	0	2.5
44	MP1B	Z	10.757	2.5
45	MP1B	Mx	-.005	2.5
46	MP1B	X	0	3.5
47	MP1B	Z	10.757	3.5
48	MP1B	Mx	-.005	3.5
49	MP1C	X	0	2.5
50	MP1C	Z	10.757	2.5
51	MP1C	Mx	.005	2.5
52	MP1C	X	0	3.5
53	MP1C	Z	10.757	3.5
54	MP1C	Mx	.005	3.5
55	MP3A	X	0	1.5
56	MP3A	Z	15.918	1.5
57	MP3A	Mx	0	1.5
58	MP3B	X	0	1.5
59	MP3B	Z	12.278	1.5
60	MP3B	Mx	.005	1.5
61	MP3C	X	0	1.5
62	MP3C	Z	12.278	1.5
63	MP3C	Mx	-.005	1.5
64	MP3A	X	0	4
65	MP3A	Z	15.856	4
66	MP3A	Mx	0	4
67	MP3B	X	0	4
68	MP3B	Z	10.852	4
69	MP3B	Mx	.005	4
70	MP3C	X	0	4
71	MP3C	Z	10.852	4
72	MP3C	Mx	-.005	4
73	M111	X	0	1.5
74	M111	Z	30.548	1.5
75	M111	Mx	0	1.5
76	M318	X	0	1.5
77	M318	Z	30.548	1.5
78	M318	Mx	0	1.5
79	MP5A	X	0	.5
80	MP5A	Z	29.734	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP5A	Mx	0	.5
82	MP5A	X	0	5.5
83	MP5A	Z	29.734	5.5
84	MP5A	Mx	0	5.5
85	MP5B	X	0	.5
86	MP5B	Z	20.482	.5
87	MP5B	Mx	-.009	.5
88	MP5B	X	0	5.5
89	MP5B	Z	20.482	5.5
90	MP5B	Mx	-.009	5.5
91	MP5C	X	0	.5
92	MP5C	Z	20.482	.5
93	MP5C	Mx	.009	.5
94	MP5C	X	0	5.5
95	MP5C	Z	20.482	5.5
96	MP5C	Mx	.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-14.637	1
2	MP3A	Z	25.353	1
3	MP3A	Mx	.02	1
4	MP3A	X	-14.637	5.5
5	MP3A	Z	25.353	5.5
6	MP3A	Mx	.02	5.5
7	MP3B	X	-10.937	1
8	MP3B	Z	18.944	1
9	MP3B	Mx	-.011	1
10	MP3B	X	-10.937	5.5
11	MP3B	Z	18.944	5.5
12	MP3B	Mx	-.011	5.5
13	MP3C	X	-14.637	1
14	MP3C	Z	25.353	1
15	MP3C	Mx	-.005	1
16	MP3C	X	-14.637	5.5
17	MP3C	Z	25.353	5.5
18	MP3C	Mx	-.005	5.5
19	MP3A	X	-14.637	1
20	MP3A	Z	25.353	1
21	MP3A	Mx	-.005	1
22	MP3A	X	-14.637	5.5
23	MP3A	Z	25.353	5.5
24	MP3A	Mx	-.005	5.5
25	MP3B	X	-10.937	1
26	MP3B	Z	18.944	1
27	MP3B	Mx	-.011	1
28	MP3B	X	-10.937	5.5
29	MP3B	Z	18.944	5.5
30	MP3B	Mx	-.011	5.5
31	MP3C	X	-14.637	1
32	MP3C	Z	25.353	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	.02	1
34	MP3C	X	-14.637	5.5
35	MP3C	Z	25.353	5.5
36	MP3C	Mx	.02	5.5
37	MP1A	X	-8.094	2.5
38	MP1A	Z	14.019	2.5
39	MP1A	Mx	.004	2.5
40	MP1A	X	-8.094	3.5
41	MP1A	Z	14.019	3.5
42	MP1A	Mx	.004	3.5
43	MP1B	X	-4.021	2.5
44	MP1B	Z	6.964	2.5
45	MP1B	Mx	-.004	2.5
46	MP1B	X	-4.021	3.5
47	MP1B	Z	6.964	3.5
48	MP1B	Mx	-.004	3.5
49	MP1C	X	-8.094	2.5
50	MP1C	Z	14.019	2.5
51	MP1C	Mx	.004	2.5
52	MP1C	X	-8.094	3.5
53	MP1C	Z	14.019	3.5
54	MP1C	Mx	.004	3.5
55	MP3A	X	-7.352	1.5
56	MP3A	Z	12.735	1.5
57	MP3A	Mx	-.004	1.5
58	MP3B	X	-5.533	1.5
59	MP3B	Z	9.583	1.5
60	MP3B	Mx	.006	1.5
61	MP3C	X	-7.352	1.5
62	MP3C	Z	12.735	1.5
63	MP3C	Mx	-.004	1.5
64	MP3A	X	-7.094	4
65	MP3A	Z	12.287	4
66	MP3A	Mx	-.004	4
67	MP3B	X	-4.592	4
68	MP3B	Z	7.954	4
69	MP3B	Mx	.005	4
70	MP3C	X	-7.094	4
71	MP3C	Z	12.287	4
72	MP3C	Mx	-.004	4
73	M111	X	-14.066	1.5
74	M111	Z	24.363	1.5
75	M111	Mx	0	1.5
76	M318	X	-14.066	1.5
77	M318	Z	24.363	1.5
78	M318	Mx	0	1.5
79	MP5A	X	-13.325	.5
80	MP5A	Z	23.08	.5
81	MP5A	Mx	.007	.5
82	MP5A	X	-13.325	5.5
83	MP5A	Z	23.08	5.5
84	MP5A	Mx	.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP5B	X	-8.699	.5
86	MP5B	Z	15.068	.5
87	MP5B	Mx	-.009	.5
88	MP5B	X	-8.699	5.5
89	MP5B	Z	15.068	5.5
90	MP5B	Mx	-.009	5.5
91	MP5C	X	-13.325	.5
92	MP5C	Z	23.08	.5
93	MP5C	Mx	.007	.5
94	MP5C	X	-13.325	5.5
95	MP5C	Z	23.08	5.5
96	MP5C	Mx	.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-21.08	1
2	MP3A	Z	12.171	1
3	MP3A	Mx	.017	1
4	MP3A	X	-21.08	5.5
5	MP3A	Z	12.171	5.5
6	MP3A	Mx	.017	5.5
7	MP3B	X	-21.08	1
8	MP3B	Z	12.171	1
9	MP3B	Mx	-.004	1
10	MP3B	X	-21.08	5.5
11	MP3B	Z	12.171	5.5
12	MP3B	Mx	-.004	5.5
13	MP3C	X	-27.489	1
14	MP3C	Z	15.871	1
15	MP3C	Mx	-.016	1
16	MP3C	X	-27.489	5.5
17	MP3C	Z	15.871	5.5
18	MP3C	Mx	-.016	5.5
19	MP3A	X	-21.08	1
20	MP3A	Z	12.171	1
21	MP3A	Mx	.004	1
22	MP3A	X	-21.08	5.5
23	MP3A	Z	12.171	5.5
24	MP3A	Mx	.004	5.5
25	MP3B	X	-21.08	1
26	MP3B	Z	12.171	1
27	MP3B	Mx	-.017	1
28	MP3B	X	-21.08	5.5
29	MP3B	Z	12.171	5.5
30	MP3B	Mx	-.017	5.5
31	MP3C	X	-27.489	1
32	MP3C	Z	15.871	1
33	MP3C	Mx	.016	1
34	MP3C	X	-27.489	5.5
35	MP3C	Z	15.871	5.5
36	MP3C	Mx	.016	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP1A	X	-9.316	2.5
38	MP1A	Z	5.378	2.5
39	MP1A	Mx	.005	2.5
40	MP1A	X	-9.316	3.5
41	MP1A	Z	5.378	3.5
42	MP1A	Mx	.005	3.5
43	MP1B	X	-9.316	2.5
44	MP1B	Z	5.378	2.5
45	MP1B	Mx	-.005	2.5
46	MP1B	X	-9.316	3.5
47	MP1B	Z	5.378	3.5
48	MP1B	Mx	-.005	3.5
49	MP1C	X	-16.371	2.5
50	MP1C	Z	9.452	2.5
51	MP1C	Mx	0	2.5
52	MP1C	X	-16.371	3.5
53	MP1C	Z	9.452	3.5
54	MP1C	Mx	0	3.5
55	MP3A	X	-10.633	1.5
56	MP3A	Z	6.139	1.5
57	MP3A	Mx	-.005	1.5
58	MP3B	X	-10.633	1.5
59	MP3B	Z	6.139	1.5
60	MP3B	Mx	.005	1.5
61	MP3C	X	-13.785	1.5
62	MP3C	Z	7.959	1.5
63	MP3C	Mx	0	1.5
64	MP3A	X	-9.399	4
65	MP3A	Z	5.426	4
66	MP3A	Mx	-.005	4
67	MP3B	X	-9.399	4
68	MP3B	Z	5.426	4
69	MP3B	Mx	.005	4
70	MP3C	X	-13.732	4
71	MP3C	Z	7.928	4
72	MP3C	Mx	0	4
73	M111	X	-20.177	1.5
74	M111	Z	11.649	1.5
75	M111	Mx	0	1.5
76	M318	X	-20.177	1.5
77	M318	Z	11.649	1.5
78	M318	Mx	0	1.5
79	MP5A	X	-17.738	.5
80	MP5A	Z	10.241	.5
81	MP5A	Mx	.009	.5
82	MP5A	X	-17.738	5.5
83	MP5A	Z	10.241	5.5
84	MP5A	Mx	.009	5.5
85	MP5B	X	-17.738	.5
86	MP5B	Z	10.241	.5
87	MP5B	Mx	-.009	.5
88	MP5B	X	-17.738	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP5B	Z	10.241	5.5
90	MP5B	Mx	-.009	5.5
91	MP5C	X	-25.75	.5
92	MP5C	Z	14.867	.5
93	MP5C	Mx	0	.5
94	MP5C	X	-25.75	5.5
95	MP5C	Z	14.867	5.5
96	MP5C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-21.874	1
2	MP3A	Z	0	1
3	MP3A	Mx	.011	1
4	MP3A	X	-21.874	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.011	5.5
7	MP3B	X	-29.275	1
8	MP3B	Z	0	1
9	MP3B	Mx	.005	1
10	MP3B	X	-29.275	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	.005	5.5
13	MP3C	X	-29.275	1
14	MP3C	Z	0	1
15	MP3C	Mx	-.02	1
16	MP3C	X	-29.275	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.02	5.5
19	MP3A	X	-21.874	1
20	MP3A	Z	0	1
21	MP3A	Mx	.011	1
22	MP3A	X	-21.874	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.011	5.5
25	MP3B	X	-29.275	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.02	1
28	MP3B	X	-29.275	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.02	5.5
31	MP3C	X	-29.275	1
32	MP3C	Z	0	1
33	MP3C	Mx	.005	1
34	MP3C	X	-29.275	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.005	5.5
37	MP1A	X	-8.041	2.5
38	MP1A	Z	0	2.5
39	MP1A	Mx	.004	2.5
40	MP1A	X	-8.041	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP1A	Z	0	3.5
42	MP1A	Mx	.004	3.5
43	MP1B	X	-16.188	2.5
44	MP1B	Z	0	2.5
45	MP1B	Mx	-.004	2.5
46	MP1B	X	-16.188	3.5
47	MP1B	Z	0	3.5
48	MP1B	Mx	-.004	3.5
49	MP1C	X	-16.188	2.5
50	MP1C	Z	0	2.5
51	MP1C	Mx	-.004	2.5
52	MP1C	X	-16.188	3.5
53	MP1C	Z	0	3.5
54	MP1C	Mx	-.004	3.5
55	MP3A	X	-11.065	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	-.006	1.5
58	MP3B	X	-14.705	1.5
59	MP3B	Z	0	1.5
60	MP3B	Mx	.004	1.5
61	MP3C	X	-14.705	1.5
62	MP3C	Z	0	1.5
63	MP3C	Mx	.004	1.5
64	MP3A	X	-9.185	4
65	MP3A	Z	0	4
66	MP3A	Mx	-.005	4
67	MP3B	X	-14.188	4
68	MP3B	Z	0	4
69	MP3B	Mx	.004	4
70	MP3C	X	-14.188	4
71	MP3C	Z	0	4
72	MP3C	Mx	.004	4
73	M111	X	-20.881	1.5
74	M111	Z	0	1.5
75	M111	Mx	0	1.5
76	M318	X	-20.881	1.5
77	M318	Z	0	1.5
78	M318	Mx	0	1.5
79	MP5A	X	-17.399	.5
80	MP5A	Z	0	.5
81	MP5A	Mx	.009	.5
82	MP5A	X	-17.399	5.5
83	MP5A	Z	0	5.5
84	MP5A	Mx	.009	5.5
85	MP5B	X	-26.65	.5
86	MP5B	Z	0	.5
87	MP5B	Mx	-.007	.5
88	MP5B	X	-26.65	5.5
89	MP5B	Z	0	5.5
90	MP5B	Mx	-.007	5.5
91	MP5C	X	-26.65	.5
92	MP5C	Z	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP5C	Mx	-.007	.5
94	MP5C	X	-26.65	5.5
95	MP5C	Z	0	5.5
96	MP5C	Mx	-.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-21.08	1
2	MP3A	Z	-12.171	1
3	MP3A	Mx	.004	1
4	MP3A	X	-21.08	5.5
5	MP3A	Z	-12.171	5.5
6	MP3A	Mx	.004	5.5
7	MP3B	X	-27.489	1
8	MP3B	Z	-15.871	1
9	MP3B	Mx	.016	1
10	MP3B	X	-27.489	5.5
11	MP3B	Z	-15.871	5.5
12	MP3B	Mx	.016	5.5
13	MP3C	X	-21.08	1
14	MP3C	Z	-12.171	1
15	MP3C	Mx	-.017	1
16	MP3C	X	-21.08	5.5
17	MP3C	Z	-12.171	5.5
18	MP3C	Mx	-.017	5.5
19	MP3A	X	-21.08	1
20	MP3A	Z	-12.171	1
21	MP3A	Mx	.017	1
22	MP3A	X	-21.08	5.5
23	MP3A	Z	-12.171	5.5
24	MP3A	Mx	.017	5.5
25	MP3B	X	-27.489	1
26	MP3B	Z	-15.871	1
27	MP3B	Mx	-.016	1
28	MP3B	X	-27.489	5.5
29	MP3B	Z	-15.871	5.5
30	MP3B	Mx	-.016	5.5
31	MP3C	X	-21.08	1
32	MP3C	Z	-12.171	1
33	MP3C	Mx	-.004	1
34	MP3C	X	-21.08	5.5
35	MP3C	Z	-12.171	5.5
36	MP3C	Mx	-.004	5.5
37	MP1A	X	-9.316	2.5
38	MP1A	Z	-5.378	2.5
39	MP1A	Mx	.005	2.5
40	MP1A	X	-9.316	3.5
41	MP1A	Z	-5.378	3.5
42	MP1A	Mx	.005	3.5
43	MP1B	X	-16.371	2.5
44	MP1B	Z	-9.452	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP1B	Mx	0	2.5
46	MP1B	X	-16.371	3.5
47	MP1B	Z	-9.452	3.5
48	MP1B	Mx	0	3.5
49	MP1C	X	-9.316	2.5
50	MP1C	Z	-5.378	2.5
51	MP1C	Mx	-.005	2.5
52	MP1C	X	-9.316	3.5
53	MP1C	Z	-5.378	3.5
54	MP1C	Mx	-.005	3.5
55	MP3A	X	-10.633	1.5
56	MP3A	Z	-6.139	1.5
57	MP3A	Mx	-.005	1.5
58	MP3B	X	-13.785	1.5
59	MP3B	Z	-7.959	1.5
60	MP3B	Mx	0	1.5
61	MP3C	X	-10.633	1.5
62	MP3C	Z	-6.139	1.5
63	MP3C	Mx	.005	1.5
64	MP3A	X	-9.399	4
65	MP3A	Z	-5.426	4
66	MP3A	Mx	-.005	4
67	MP3B	X	-13.732	4
68	MP3B	Z	-7.928	4
69	MP3B	Mx	0	4
70	MP3C	X	-9.399	4
71	MP3C	Z	-5.426	4
72	MP3C	Mx	.005	4
73	M111	X	-20.177	1.5
74	M111	Z	-11.649	1.5
75	M111	Mx	0	1.5
76	M318	X	-20.177	1.5
77	M318	Z	-11.649	1.5
78	M318	Mx	0	1.5
79	MP5A	X	-17.738	.5
80	MP5A	Z	-10.241	.5
81	MP5A	Mx	.009	.5
82	MP5A	X	-17.738	5.5
83	MP5A	Z	-10.241	5.5
84	MP5A	Mx	.009	5.5
85	MP5B	X	-25.75	.5
86	MP5B	Z	-14.867	.5
87	MP5B	Mx	0	.5
88	MP5B	X	-25.75	5.5
89	MP5B	Z	-14.867	5.5
90	MP5B	Mx	0	5.5
91	MP5C	X	-17.738	.5
92	MP5C	Z	-10.241	.5
93	MP5C	Mx	-.009	.5
94	MP5C	X	-17.738	5.5
95	MP5C	Z	-10.241	5.5
96	MP5C	Mx	-.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-14.637	1
2	MP3A	Z	-25.353	1
3	MP3A	Mx	-.005	1
4	MP3A	X	-14.637	5.5
5	MP3A	Z	-25.353	5.5
6	MP3A	Mx	-.005	5.5
7	MP3B	X	-14.637	1
8	MP3B	Z	-25.353	1
9	MP3B	Mx	.02	1
10	MP3B	X	-14.637	5.5
11	MP3B	Z	-25.353	5.5
12	MP3B	Mx	.02	5.5
13	MP3C	X	-10.937	1
14	MP3C	Z	-18.944	1
15	MP3C	Mx	-.011	1
16	MP3C	X	-10.937	5.5
17	MP3C	Z	-18.944	5.5
18	MP3C	Mx	-.011	5.5
19	MP3A	X	-14.637	1
20	MP3A	Z	-25.353	1
21	MP3A	Mx	.02	1
22	MP3A	X	-14.637	5.5
23	MP3A	Z	-25.353	5.5
24	MP3A	Mx	.02	5.5
25	MP3B	X	-14.637	1
26	MP3B	Z	-25.353	1
27	MP3B	Mx	-.005	1
28	MP3B	X	-14.637	5.5
29	MP3B	Z	-25.353	5.5
30	MP3B	Mx	-.005	5.5
31	MP3C	X	-10.937	1
32	MP3C	Z	-18.944	1
33	MP3C	Mx	-.011	1
34	MP3C	X	-10.937	5.5
35	MP3C	Z	-18.944	5.5
36	MP3C	Mx	-.011	5.5
37	MP1A	X	-8.094	2.5
38	MP1A	Z	-14.019	2.5
39	MP1A	Mx	.004	2.5
40	MP1A	X	-8.094	3.5
41	MP1A	Z	-14.019	3.5
42	MP1A	Mx	.004	3.5
43	MP1B	X	-8.094	2.5
44	MP1B	Z	-14.019	2.5
45	MP1B	Mx	.004	2.5
46	MP1B	X	-8.094	3.5
47	MP1B	Z	-14.019	3.5
48	MP1B	Mx	.004	3.5
49	MP1C	X	-4.021	2.5
50	MP1C	Z	-6.964	2.5
51	MP1C	Mx	-.004	2.5
52	MP1C	X	-4.021	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP1C	Z	-6.964	3.5
54	MP1C	Mx	-.004	3.5
55	MP3A	X	-7.352	1.5
56	MP3A	Z	-12.735	1.5
57	MP3A	Mx	-.004	1.5
58	MP3B	X	-7.352	1.5
59	MP3B	Z	-12.735	1.5
60	MP3B	Mx	-.004	1.5
61	MP3C	X	-5.533	1.5
62	MP3C	Z	-9.583	1.5
63	MP3C	Mx	.006	1.5
64	MP3A	X	-7.094	4
65	MP3A	Z	-12.287	4
66	MP3A	Mx	-.004	4
67	MP3B	X	-7.094	4
68	MP3B	Z	-12.287	4
69	MP3B	Mx	-.004	4
70	MP3C	X	-4.592	4
71	MP3C	Z	-7.954	4
72	MP3C	Mx	.005	4
73	M111	X	-14.066	1.5
74	M111	Z	-24.363	1.5
75	M111	Mx	0	1.5
76	M318	X	-14.066	1.5
77	M318	Z	-24.363	1.5
78	M318	Mx	0	1.5
79	MP5A	X	-13.325	.5
80	MP5A	Z	-23.08	.5
81	MP5A	Mx	.007	.5
82	MP5A	X	-13.325	5.5
83	MP5A	Z	-23.08	5.5
84	MP5A	Mx	.007	5.5
85	MP5B	X	-13.325	.5
86	MP5B	Z	-23.08	.5
87	MP5B	Mx	.007	.5
88	MP5B	X	-13.325	5.5
89	MP5B	Z	-23.08	5.5
90	MP5B	Mx	.007	5.5
91	MP5C	X	-8.699	.5
92	MP5C	Z	-15.068	.5
93	MP5C	Mx	-.009	.5
94	MP5C	X	-8.699	5.5
95	MP5C	Z	-15.068	5.5
96	MP5C	Mx	-.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	-10.375	1
3	MP3A	Mx	-.005	1
4	MP3A	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP3A	Z	-10.375	5.5
6	MP3A	Mx	-.005	5.5
7	MP3B	X	0	1
8	MP3B	Z	-7.738	1
9	MP3B	Mx	.005	1
10	MP3B	X	0	5.5
11	MP3B	Z	-7.738	5.5
12	MP3B	Mx	.005	5.5
13	MP3C	X	0	1
14	MP3C	Z	-7.738	1
15	MP3C	Mx	-.001	1
16	MP3C	X	0	5.5
17	MP3C	Z	-7.738	5.5
18	MP3C	Mx	-.001	5.5
19	MP3A	X	0	1
20	MP3A	Z	-10.375	1
21	MP3A	Mx	.005	1
22	MP3A	X	0	5.5
23	MP3A	Z	-10.375	5.5
24	MP3A	Mx	.005	5.5
25	MP3B	X	0	1
26	MP3B	Z	-7.738	1
27	MP3B	Mx	.001	1
28	MP3B	X	0	5.5
29	MP3B	Z	-7.738	5.5
30	MP3B	Mx	.001	5.5
31	MP3C	X	0	1
32	MP3C	Z	-7.738	1
33	MP3C	Mx	-.005	1
34	MP3C	X	0	5.5
35	MP3C	Z	-7.738	5.5
36	MP3C	Mx	-.005	5.5
37	MP1A	X	0	2.5
38	MP1A	Z	-6.035	2.5
39	MP1A	Mx	0	2.5
40	MP1A	X	0	3.5
41	MP1A	Z	-6.035	3.5
42	MP1A	Mx	0	3.5
43	MP1B	X	0	2.5
44	MP1B	Z	-3.281	2.5
45	MP1B	Mx	.001	2.5
46	MP1B	X	0	3.5
47	MP1B	Z	-3.281	3.5
48	MP1B	Mx	.001	3.5
49	MP1C	X	0	2.5
50	MP1C	Z	-3.281	2.5
51	MP1C	Mx	-.001	2.5
52	MP1C	X	0	3.5
53	MP1C	Z	-3.281	3.5
54	MP1C	Mx	-.001	3.5
55	MP3A	X	0	1.5
56	MP3A	Z	-4.802	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP3A	Mx	0	1.5
58	MP3B	X	0	1.5
59	MP3B	Z	-3.608	1.5
60	MP3B	Mx	-.002	1.5
61	MP3C	X	0	1.5
62	MP3C	Z	-3.608	1.5
63	MP3C	Mx	.002	1.5
64	MP3A	X	0	4
65	MP3A	Z	-4.785	4
66	MP3A	Mx	0	4
67	MP3B	X	0	4
68	MP3B	Z	-3.139	4
69	MP3B	Mx	-.001	4
70	MP3C	X	0	4
71	MP3C	Z	-3.139	4
72	MP3C	Mx	.001	4
73	M111	X	0	1.5
74	M111	Z	-9.698	1.5
75	M111	Mx	0	1.5
76	M318	X	0	1.5
77	M318	Z	-9.698	1.5
78	M318	Mx	0	1.5
79	MP5A	X	0	.5
80	MP5A	Z	-9.685	.5
81	MP5A	Mx	0	.5
82	MP5A	X	0	5.5
83	MP5A	Z	-9.685	5.5
84	MP5A	Mx	0	5.5
85	MP5B	X	0	.5
86	MP5B	Z	-6.411	.5
87	MP5B	Mx	.003	.5
88	MP5B	X	0	5.5
89	MP5B	Z	-6.411	5.5
90	MP5B	Mx	.003	5.5
91	MP5C	X	0	.5
92	MP5C	Z	-6.411	.5
93	MP5C	Mx	-.003	.5
94	MP5C	X	0	5.5
95	MP5C	Z	-6.411	5.5
96	MP5C	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	4.748	1
2	MP3A	Z	-8.224	1
3	MP3A	Mx	-.006	1
4	MP3A	X	4.748	5.5
5	MP3A	Z	-8.224	5.5
6	MP3A	Mx	-.006	5.5
7	MP3B	X	3.429	1
8	MP3B	Z	-5.94	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	.003	1
10	MP3B	X	3.429	5.5
11	MP3B	Z	-5.94	5.5
12	MP3B	Mx	.003	5.5
13	MP3C	X	4.748	1
14	MP3C	Z	-8.224	1
15	MP3C	Mx	.002	1
16	MP3C	X	4.748	5.5
17	MP3C	Z	-8.224	5.5
18	MP3C	Mx	.002	5.5
19	MP3A	X	4.748	1
20	MP3A	Z	-8.224	1
21	MP3A	Mx	.002	1
22	MP3A	X	4.748	5.5
23	MP3A	Z	-8.224	5.5
24	MP3A	Mx	.002	5.5
25	MP3B	X	3.429	1
26	MP3B	Z	-5.94	1
27	MP3B	Mx	.003	1
28	MP3B	X	3.429	5.5
29	MP3B	Z	-5.94	5.5
30	MP3B	Mx	.003	5.5
31	MP3C	X	4.748	1
32	MP3C	Z	-8.224	1
33	MP3C	Mx	-.006	1
34	MP3C	X	4.748	5.5
35	MP3C	Z	-8.224	5.5
36	MP3C	Mx	-.006	5.5
37	MP1A	X	2.558	2.5
38	MP1A	Z	-4.431	2.5
39	MP1A	Mx	-.001	2.5
40	MP1A	X	2.558	3.5
41	MP1A	Z	-4.431	3.5
42	MP1A	Mx	-.001	3.5
43	MP1B	X	1.181	2.5
44	MP1B	Z	-2.046	2.5
45	MP1B	Mx	.001	2.5
46	MP1B	X	1.181	3.5
47	MP1B	Z	-2.046	3.5
48	MP1B	Mx	.001	3.5
49	MP1C	X	2.558	2.5
50	MP1C	Z	-4.431	2.5
51	MP1C	Mx	-.001	2.5
52	MP1C	X	2.558	3.5
53	MP1C	Z	-4.431	3.5
54	MP1C	Mx	-.001	3.5
55	MP3A	X	2.202	1.5
56	MP3A	Z	-3.814	1.5
57	MP3A	Mx	.001	1.5
58	MP3B	X	1.605	1.5
59	MP3B	Z	-2.78	1.5
60	MP3B	Mx	-.002	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP3C	X	2.202	1.5
62	MP3C	Z	-3.814	1.5
63	MP3C	Mx	.001	1.5
64	MP3A	X	2.118	4
65	MP3A	Z	-3.669	4
66	MP3A	Mx	.001	4
67	MP3B	X	1.295	4
68	MP3B	Z	-2.244	4
69	MP3B	Mx	-.001	4
70	MP3C	X	2.118	4
71	MP3C	Z	-3.669	4
72	MP3C	Mx	.001	4
73	M111	X	4.439	1.5
74	M111	Z	-7.689	1.5
75	M111	Mx	0	1.5
76	M318	X	4.439	1.5
77	M318	Z	-7.689	1.5
78	M318	Mx	0	1.5
79	MP5A	X	4.297	.5
80	MP5A	Z	-7.443	.5
81	MP5A	Mx	-.002	.5
82	MP5A	X	4.297	5.5
83	MP5A	Z	-7.443	5.5
84	MP5A	Mx	-.002	5.5
85	MP5B	X	2.66	.5
86	MP5B	Z	-4.607	.5
87	MP5B	Mx	.003	.5
88	MP5B	X	2.66	5.5
89	MP5B	Z	-4.607	5.5
90	MP5B	Mx	.003	5.5
91	MP5C	X	4.297	.5
92	MP5C	Z	-7.443	.5
93	MP5C	Mx	-.002	.5
94	MP5C	X	4.297	5.5
95	MP5C	Z	-7.443	5.5
96	MP5C	Mx	-.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.701	1
2	MP3A	Z	-3.869	1
3	MP3A	Mx	-.005	1
4	MP3A	X	6.701	5.5
5	MP3A	Z	-3.869	5.5
6	MP3A	Mx	-.005	5.5
7	MP3B	X	6.701	1
8	MP3B	Z	-3.869	1
9	MP3B	Mx	.001	1
10	MP3B	X	6.701	5.5
11	MP3B	Z	-3.869	5.5
12	MP3B	Mx	.001	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3C	X	8.985	1
14	MP3C	Z	-5.188	1
15	MP3C	Mx	.005	1
16	MP3C	X	8.985	5.5
17	MP3C	Z	-5.188	5.5
18	MP3C	Mx	.005	5.5
19	MP3A	X	6.701	1
20	MP3A	Z	-3.869	1
21	MP3A	Mx	-.001	1
22	MP3A	X	6.701	5.5
23	MP3A	Z	-3.869	5.5
24	MP3A	Mx	-.001	5.5
25	MP3B	X	6.701	1
26	MP3B	Z	-3.869	1
27	MP3B	Mx	.005	1
28	MP3B	X	6.701	5.5
29	MP3B	Z	-3.869	5.5
30	MP3B	Mx	.005	5.5
31	MP3C	X	8.985	1
32	MP3C	Z	-5.188	1
33	MP3C	Mx	-.005	1
34	MP3C	X	8.985	5.5
35	MP3C	Z	-5.188	5.5
36	MP3C	Mx	-.005	5.5
37	MP1A	X	2.841	2.5
38	MP1A	Z	-1.64	2.5
39	MP1A	Mx	-.001	2.5
40	MP1A	X	2.841	3.5
41	MP1A	Z	-1.64	3.5
42	MP1A	Mx	-.001	3.5
43	MP1B	X	2.841	2.5
44	MP1B	Z	-1.64	2.5
45	MP1B	Mx	.001	2.5
46	MP1B	X	2.841	3.5
47	MP1B	Z	-1.64	3.5
48	MP1B	Mx	.001	3.5
49	MP1C	X	5.226	2.5
50	MP1C	Z	-3.017	2.5
51	MP1C	Mx	0	2.5
52	MP1C	X	5.226	3.5
53	MP1C	Z	-3.017	3.5
54	MP1C	Mx	0	3.5
55	MP3A	X	3.125	1.5
56	MP3A	Z	-1.804	1.5
57	MP3A	Mx	.002	1.5
58	MP3B	X	3.125	1.5
59	MP3B	Z	-1.804	1.5
60	MP3B	Mx	-.002	1.5
61	MP3C	X	4.159	1.5
62	MP3C	Z	-2.401	1.5
63	MP3C	Mx	0	1.5
64	MP3A	X	2.719	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP3A	Z	-1.57	4
66	MP3A	Mx	.001	4
67	MP3B	X	2.719	4
68	MP3B	Z	-1.57	4
69	MP3B	Mx	-.001	4
70	MP3C	X	4.144	4
71	MP3C	Z	-2.393	4
72	MP3C	Mx	0	4
73	M111	X	6.269	1.5
74	M111	Z	-3.62	1.5
75	M111	Mx	0	1.5
76	M318	X	6.269	1.5
77	M318	Z	-3.62	1.5
78	M318	Mx	0	1.5
79	MP5A	X	5.552	.5
80	MP5A	Z	-3.206	.5
81	MP5A	Mx	-.003	.5
82	MP5A	X	5.552	5.5
83	MP5A	Z	-3.206	5.5
84	MP5A	Mx	-.003	5.5
85	MP5B	X	5.552	.5
86	MP5B	Z	-3.206	.5
87	MP5B	Mx	.003	.5
88	MP5B	X	5.552	5.5
89	MP5B	Z	-3.206	5.5
90	MP5B	Mx	.003	5.5
91	MP5C	X	8.388	.5
92	MP5C	Z	-4.843	.5
93	MP5C	Mx	0	.5
94	MP5C	X	8.388	5.5
95	MP5C	Z	-4.843	5.5
96	MP5C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.859	1
2	MP3A	Z	0	1
3	MP3A	Mx	-.003	1
4	MP3A	X	6.859	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.003	5.5
7	MP3B	X	9.496	1
8	MP3B	Z	0	1
9	MP3B	Mx	-.002	1
10	MP3B	X	9.496	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.002	5.5
13	MP3C	X	9.496	1
14	MP3C	Z	0	1
15	MP3C	Mx	.006	1
16	MP3C	X	9.496	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	0	5.5
18	MP3C	Mx	.006	5.5
19	MP3A	X	6.859	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.003	1
22	MP3A	X	6.859	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.003	5.5
25	MP3B	X	9.496	1
26	MP3B	Z	0	1
27	MP3B	Mx	.006	1
28	MP3B	X	9.496	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.006	5.5
31	MP3C	X	9.496	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.002	1
34	MP3C	X	9.496	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.002	5.5
37	MP1A	X	2.363	2.5
38	MP1A	Z	0	2.5
39	MP1A	Mx	-.001	2.5
40	MP1A	X	2.363	3.5
41	MP1A	Z	0	3.5
42	MP1A	Mx	-.001	3.5
43	MP1B	X	5.117	2.5
44	MP1B	Z	0	2.5
45	MP1B	Mx	.001	2.5
46	MP1B	X	5.117	3.5
47	MP1B	Z	0	3.5
48	MP1B	Mx	.001	3.5
49	MP1C	X	5.117	2.5
50	MP1C	Z	0	2.5
51	MP1C	Mx	.001	2.5
52	MP1C	X	5.117	3.5
53	MP1C	Z	0	3.5
54	MP1C	Mx	.001	3.5
55	MP3A	X	3.21	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	.002	1.5
58	MP3B	X	4.404	1.5
59	MP3B	Z	0	1.5
60	MP3B	Mx	-.001	1.5
61	MP3C	X	4.404	1.5
62	MP3C	Z	0	1.5
63	MP3C	Mx	-.001	1.5
64	MP3A	X	2.591	4
65	MP3A	Z	0	4
66	MP3A	Mx	.001	4
67	MP3B	X	4.237	4
68	MP3B	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3B	Mx	-.001	4
70	MP3C	X	4.237	4
71	MP3C	Z	0	4
72	MP3C	Mx	-.001	4
73	M111	X	6.419	1.5
74	M111	Z	0	1.5
75	M111	Mx	0	1.5
76	M318	X	6.419	1.5
77	M318	Z	0	1.5
78	M318	Mx	0	1.5
79	MP5A	X	5.32	.5
80	MP5A	Z	0	.5
81	MP5A	Mx	-.003	.5
82	MP5A	X	5.32	5.5
83	MP5A	Z	0	5.5
84	MP5A	Mx	-.003	5.5
85	MP5B	X	8.594	.5
86	MP5B	Z	0	.5
87	MP5B	Mx	.002	.5
88	MP5B	X	8.594	5.5
89	MP5B	Z	0	5.5
90	MP5B	Mx	.002	5.5
91	MP5C	X	8.594	.5
92	MP5C	Z	0	.5
93	MP5C	Mx	.002	.5
94	MP5C	X	8.594	5.5
95	MP5C	Z	0	5.5
96	MP5C	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.701	1
2	MP3A	Z	3.869	1
3	MP3A	Mx	-.001	1
4	MP3A	X	6.701	5.5
5	MP3A	Z	3.869	5.5
6	MP3A	Mx	-.001	5.5
7	MP3B	X	8.985	1
8	MP3B	Z	5.188	1
9	MP3B	Mx	-.005	1
10	MP3B	X	8.985	5.5
11	MP3B	Z	5.188	5.5
12	MP3B	Mx	-.005	5.5
13	MP3C	X	6.701	1
14	MP3C	Z	3.869	1
15	MP3C	Mx	.005	1
16	MP3C	X	6.701	5.5
17	MP3C	Z	3.869	5.5
18	MP3C	Mx	.005	5.5
19	MP3A	X	6.701	1
20	MP3A	Z	3.869	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3A	Mx	-.005	1
22	MP3A	X	6.701	5.5
23	MP3A	Z	3.869	5.5
24	MP3A	Mx	-.005	5.5
25	MP3B	X	8.985	1
26	MP3B	Z	5.188	1
27	MP3B	Mx	.005	1
28	MP3B	X	8.985	5.5
29	MP3B	Z	5.188	5.5
30	MP3B	Mx	.005	5.5
31	MP3C	X	6.701	1
32	MP3C	Z	3.869	1
33	MP3C	Mx	.001	1
34	MP3C	X	6.701	5.5
35	MP3C	Z	3.869	5.5
36	MP3C	Mx	.001	5.5
37	MP1A	X	2.841	2.5
38	MP1A	Z	1.64	2.5
39	MP1A	Mx	-.001	2.5
40	MP1A	X	2.841	3.5
41	MP1A	Z	1.64	3.5
42	MP1A	Mx	-.001	3.5
43	MP1B	X	5.226	2.5
44	MP1B	Z	3.017	2.5
45	MP1B	Mx	0	2.5
46	MP1B	X	5.226	3.5
47	MP1B	Z	3.017	3.5
48	MP1B	Mx	0	3.5
49	MP1C	X	2.841	2.5
50	MP1C	Z	1.64	2.5
51	MP1C	Mx	.001	2.5
52	MP1C	X	2.841	3.5
53	MP1C	Z	1.64	3.5
54	MP1C	Mx	.001	3.5
55	MP3A	X	3.125	1.5
56	MP3A	Z	1.804	1.5
57	MP3A	Mx	.002	1.5
58	MP3B	X	4.159	1.5
59	MP3B	Z	2.401	1.5
60	MP3B	Mx	0	1.5
61	MP3C	X	3.125	1.5
62	MP3C	Z	1.804	1.5
63	MP3C	Mx	-.002	1.5
64	MP3A	X	2.719	4
65	MP3A	Z	1.57	4
66	MP3A	Mx	.001	4
67	MP3B	X	4.144	4
68	MP3B	Z	2.393	4
69	MP3B	Mx	0	4
70	MP3C	X	2.719	4
71	MP3C	Z	1.57	4
72	MP3C	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	M111	X	6.269	1.5
74	M111	Z	3.62	1.5
75	M111	Mx	0	1.5
76	M318	X	6.269	1.5
77	M318	Z	3.62	1.5
78	M318	Mx	0	1.5
79	MP5A	X	5.552	.5
80	MP5A	Z	3.206	.5
81	MP5A	Mx	-.003	.5
82	MP5A	X	5.552	5.5
83	MP5A	Z	3.206	5.5
84	MP5A	Mx	-.003	5.5
85	MP5B	X	8.388	.5
86	MP5B	Z	4.843	.5
87	MP5B	Mx	0	.5
88	MP5B	X	8.388	5.5
89	MP5B	Z	4.843	5.5
90	MP5B	Mx	0	5.5
91	MP5C	X	5.552	.5
92	MP5C	Z	3.206	.5
93	MP5C	Mx	.003	.5
94	MP5C	X	5.552	5.5
95	MP5C	Z	3.206	5.5
96	MP5C	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	4.748	1
2	MP3A	Z	8.224	1
3	MP3A	Mx	.002	1
4	MP3A	X	4.748	5.5
5	MP3A	Z	8.224	5.5
6	MP3A	Mx	.002	5.5
7	MP3B	X	4.748	1
8	MP3B	Z	8.224	1
9	MP3B	Mx	-.006	1
10	MP3B	X	4.748	5.5
11	MP3B	Z	8.224	5.5
12	MP3B	Mx	-.006	5.5
13	MP3C	X	3.429	1
14	MP3C	Z	5.94	1
15	MP3C	Mx	.003	1
16	MP3C	X	3.429	5.5
17	MP3C	Z	5.94	5.5
18	MP3C	Mx	.003	5.5
19	MP3A	X	4.748	1
20	MP3A	Z	8.224	1
21	MP3A	Mx	-.006	1
22	MP3A	X	4.748	5.5
23	MP3A	Z	8.224	5.5
24	MP3A	Mx	-.006	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	4.748	1
26	MP3B	Z	8.224	1
27	MP3B	Mx	.002	1
28	MP3B	X	4.748	5.5
29	MP3B	Z	8.224	5.5
30	MP3B	Mx	.002	5.5
31	MP3C	X	3.429	1
32	MP3C	Z	5.94	1
33	MP3C	Mx	.003	1
34	MP3C	X	3.429	5.5
35	MP3C	Z	5.94	5.5
36	MP3C	Mx	.003	5.5
37	MP1A	X	2.558	2.5
38	MP1A	Z	4.431	2.5
39	MP1A	Mx	-.001	2.5
40	MP1A	X	2.558	3.5
41	MP1A	Z	4.431	3.5
42	MP1A	Mx	-.001	3.5
43	MP1B	X	2.558	2.5
44	MP1B	Z	4.431	2.5
45	MP1B	Mx	-.001	2.5
46	MP1B	X	2.558	3.5
47	MP1B	Z	4.431	3.5
48	MP1B	Mx	-.001	3.5
49	MP1C	X	1.181	2.5
50	MP1C	Z	2.046	2.5
51	MP1C	Mx	.001	2.5
52	MP1C	X	1.181	3.5
53	MP1C	Z	2.046	3.5
54	MP1C	Mx	.001	3.5
55	MP3A	X	2.202	1.5
56	MP3A	Z	3.814	1.5
57	MP3A	Mx	.001	1.5
58	MP3B	X	2.202	1.5
59	MP3B	Z	3.814	1.5
60	MP3B	Mx	.001	1.5
61	MP3C	X	1.605	1.5
62	MP3C	Z	2.78	1.5
63	MP3C	Mx	-.002	1.5
64	MP3A	X	2.118	4
65	MP3A	Z	3.669	4
66	MP3A	Mx	.001	4
67	MP3B	X	2.118	4
68	MP3B	Z	3.669	4
69	MP3B	Mx	.001	4
70	MP3C	X	1.295	4
71	MP3C	Z	2.244	4
72	MP3C	Mx	-.001	4
73	M111	X	4.439	1.5
74	M111	Z	7.689	1.5
75	M111	Mx	0	1.5
76	M318	X	4.439	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	M318	Z	7.689	1.5
78	M318	Mx	0	1.5
79	MP5A	X	4.297	.5
80	MP5A	Z	7.443	.5
81	MP5A	Mx	-.002	.5
82	MP5A	X	4.297	5.5
83	MP5A	Z	7.443	5.5
84	MP5A	Mx	-.002	5.5
85	MP5B	X	4.297	.5
86	MP5B	Z	7.443	.5
87	MP5B	Mx	-.002	.5
88	MP5B	X	4.297	5.5
89	MP5B	Z	7.443	5.5
90	MP5B	Mx	-.002	5.5
91	MP5C	X	2.66	.5
92	MP5C	Z	4.607	.5
93	MP5C	Mx	.003	.5
94	MP5C	X	2.66	5.5
95	MP5C	Z	4.607	5.5
96	MP5C	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	10.375	1
3	MP3A	Mx	.005	1
4	MP3A	X	0	5.5
5	MP3A	Z	10.375	5.5
6	MP3A	Mx	.005	5.5
7	MP3B	X	0	1
8	MP3B	Z	7.738	1
9	MP3B	Mx	-.005	1
10	MP3B	X	0	5.5
11	MP3B	Z	7.738	5.5
12	MP3B	Mx	-.005	5.5
13	MP3C	X	0	1
14	MP3C	Z	7.738	1
15	MP3C	Mx	.001	1
16	MP3C	X	0	5.5
17	MP3C	Z	7.738	5.5
18	MP3C	Mx	.001	5.5
19	MP3A	X	0	1
20	MP3A	Z	10.375	1
21	MP3A	Mx	-.005	1
22	MP3A	X	0	5.5
23	MP3A	Z	10.375	5.5
24	MP3A	Mx	-.005	5.5
25	MP3B	X	0	1
26	MP3B	Z	7.738	1
27	MP3B	Mx	-.001	1
28	MP3B	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	7.738	5.5
30	MP3B	Mx	-.001	5.5
31	MP3C	X	0	1
32	MP3C	Z	7.738	1
33	MP3C	Mx	.005	1
34	MP3C	X	0	5.5
35	MP3C	Z	7.738	5.5
36	MP3C	Mx	.005	5.5
37	MP1A	X	0	2.5
38	MP1A	Z	6.035	2.5
39	MP1A	Mx	0	2.5
40	MP1A	X	0	3.5
41	MP1A	Z	6.035	3.5
42	MP1A	Mx	0	3.5
43	MP1B	X	0	2.5
44	MP1B	Z	3.281	2.5
45	MP1B	Mx	-.001	2.5
46	MP1B	X	0	3.5
47	MP1B	Z	3.281	3.5
48	MP1B	Mx	-.001	3.5
49	MP1C	X	0	2.5
50	MP1C	Z	3.281	2.5
51	MP1C	Mx	.001	2.5
52	MP1C	X	0	3.5
53	MP1C	Z	3.281	3.5
54	MP1C	Mx	.001	3.5
55	MP3A	X	0	1.5
56	MP3A	Z	4.802	1.5
57	MP3A	Mx	0	1.5
58	MP3B	X	0	1.5
59	MP3B	Z	3.608	1.5
60	MP3B	Mx	.002	1.5
61	MP3C	X	0	1.5
62	MP3C	Z	3.608	1.5
63	MP3C	Mx	-.002	1.5
64	MP3A	X	0	4
65	MP3A	Z	4.785	4
66	MP3A	Mx	0	4
67	MP3B	X	0	4
68	MP3B	Z	3.139	4
69	MP3B	Mx	.001	4
70	MP3C	X	0	4
71	MP3C	Z	3.139	4
72	MP3C	Mx	-.001	4
73	M111	X	0	1.5
74	M111	Z	9.698	1.5
75	M111	Mx	0	1.5
76	M318	X	0	1.5
77	M318	Z	9.698	1.5
78	M318	Mx	0	1.5
79	MP5A	X	0	.5
80	MP5A	Z	9.685	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP5A	Mx	0	.5
82	MP5A	X	0	5.5
83	MP5A	Z	9.685	5.5
84	MP5A	Mx	0	5.5
85	MP5B	X	0	.5
86	MP5B	Z	6.411	.5
87	MP5B	Mx	-.003	.5
88	MP5B	X	0	5.5
89	MP5B	Z	6.411	5.5
90	MP5B	Mx	-.003	5.5
91	MP5C	X	0	.5
92	MP5C	Z	6.411	.5
93	MP5C	Mx	.003	.5
94	MP5C	X	0	5.5
95	MP5C	Z	6.411	5.5
96	MP5C	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-4.748	1
2	MP3A	Z	8.224	1
3	MP3A	Mx	.006	1
4	MP3A	X	-4.748	5.5
5	MP3A	Z	8.224	5.5
6	MP3A	Mx	.006	5.5
7	MP3B	X	-3.429	1
8	MP3B	Z	5.94	1
9	MP3B	Mx	-.003	1
10	MP3B	X	-3.429	5.5
11	MP3B	Z	5.94	5.5
12	MP3B	Mx	-.003	5.5
13	MP3C	X	-4.748	1
14	MP3C	Z	8.224	1
15	MP3C	Mx	-.002	1
16	MP3C	X	-4.748	5.5
17	MP3C	Z	8.224	5.5
18	MP3C	Mx	-.002	5.5
19	MP3A	X	-4.748	1
20	MP3A	Z	8.224	1
21	MP3A	Mx	-.002	1
22	MP3A	X	-4.748	5.5
23	MP3A	Z	8.224	5.5
24	MP3A	Mx	-.002	5.5
25	MP3B	X	-3.429	1
26	MP3B	Z	5.94	1
27	MP3B	Mx	-.003	1
28	MP3B	X	-3.429	5.5
29	MP3B	Z	5.94	5.5
30	MP3B	Mx	-.003	5.5
31	MP3C	X	-4.748	1
32	MP3C	Z	8.224	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	.006	1
34	MP3C	X	-4.748	5.5
35	MP3C	Z	8.224	5.5
36	MP3C	Mx	.006	5.5
37	MP1A	X	-2.558	2.5
38	MP1A	Z	4.431	2.5
39	MP1A	Mx	.001	2.5
40	MP1A	X	-2.558	3.5
41	MP1A	Z	4.431	3.5
42	MP1A	Mx	.001	3.5
43	MP1B	X	-1.181	2.5
44	MP1B	Z	2.046	2.5
45	MP1B	Mx	-.001	2.5
46	MP1B	X	-1.181	3.5
47	MP1B	Z	2.046	3.5
48	MP1B	Mx	-.001	3.5
49	MP1C	X	-2.558	2.5
50	MP1C	Z	4.431	2.5
51	MP1C	Mx	.001	2.5
52	MP1C	X	-2.558	3.5
53	MP1C	Z	4.431	3.5
54	MP1C	Mx	.001	3.5
55	MP3A	X	-2.202	1.5
56	MP3A	Z	3.814	1.5
57	MP3A	Mx	-.001	1.5
58	MP3B	X	-1.605	1.5
59	MP3B	Z	2.78	1.5
60	MP3B	Mx	.002	1.5
61	MP3C	X	-2.202	1.5
62	MP3C	Z	3.814	1.5
63	MP3C	Mx	-.001	1.5
64	MP3A	X	-2.118	4
65	MP3A	Z	3.669	4
66	MP3A	Mx	-.001	4
67	MP3B	X	-1.295	4
68	MP3B	Z	2.244	4
69	MP3B	Mx	.001	4
70	MP3C	X	-2.118	4
71	MP3C	Z	3.669	4
72	MP3C	Mx	-.001	4
73	M111	X	-4.439	1.5
74	M111	Z	7.689	1.5
75	M111	Mx	0	1.5
76	M318	X	-4.439	1.5
77	M318	Z	7.689	1.5
78	M318	Mx	0	1.5
79	MP5A	X	-4.297	.5
80	MP5A	Z	7.443	.5
81	MP5A	Mx	.002	.5
82	MP5A	X	-4.297	5.5
83	MP5A	Z	7.443	5.5
84	MP5A	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP5B	X	-2.66	.5
86	MP5B	Z	4.607	.5
87	MP5B	Mx	-.003	.5
88	MP5B	X	-2.66	5.5
89	MP5B	Z	4.607	5.5
90	MP5B	Mx	-.003	5.5
91	MP5C	X	-4.297	.5
92	MP5C	Z	7.443	.5
93	MP5C	Mx	.002	.5
94	MP5C	X	-4.297	5.5
95	MP5C	Z	7.443	5.5
96	MP5C	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.701	1
2	MP3A	Z	3.869	1
3	MP3A	Mx	.005	1
4	MP3A	X	-6.701	5.5
5	MP3A	Z	3.869	5.5
6	MP3A	Mx	.005	5.5
7	MP3B	X	-6.701	1
8	MP3B	Z	3.869	1
9	MP3B	Mx	-.001	1
10	MP3B	X	-6.701	5.5
11	MP3B	Z	3.869	5.5
12	MP3B	Mx	-.001	5.5
13	MP3C	X	-8.985	1
14	MP3C	Z	5.188	1
15	MP3C	Mx	-.005	1
16	MP3C	X	-8.985	5.5
17	MP3C	Z	5.188	5.5
18	MP3C	Mx	-.005	5.5
19	MP3A	X	-6.701	1
20	MP3A	Z	3.869	1
21	MP3A	Mx	.001	1
22	MP3A	X	-6.701	5.5
23	MP3A	Z	3.869	5.5
24	MP3A	Mx	.001	5.5
25	MP3B	X	-6.701	1
26	MP3B	Z	3.869	1
27	MP3B	Mx	-.005	1
28	MP3B	X	-6.701	5.5
29	MP3B	Z	3.869	5.5
30	MP3B	Mx	-.005	5.5
31	MP3C	X	-8.985	1
32	MP3C	Z	5.188	1
33	MP3C	Mx	.005	1
34	MP3C	X	-8.985	5.5
35	MP3C	Z	5.188	5.5
36	MP3C	Mx	.005	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP1A	X	-2.841	2.5
38	MP1A	Z	1.64	2.5
39	MP1A	Mx	.001	2.5
40	MP1A	X	-2.841	3.5
41	MP1A	Z	1.64	3.5
42	MP1A	Mx	.001	3.5
43	MP1B	X	-2.841	2.5
44	MP1B	Z	1.64	2.5
45	MP1B	Mx	-.001	2.5
46	MP1B	X	-2.841	3.5
47	MP1B	Z	1.64	3.5
48	MP1B	Mx	-.001	3.5
49	MP1C	X	-5.226	2.5
50	MP1C	Z	3.017	2.5
51	MP1C	Mx	0	2.5
52	MP1C	X	-5.226	3.5
53	MP1C	Z	3.017	3.5
54	MP1C	Mx	0	3.5
55	MP3A	X	-3.125	1.5
56	MP3A	Z	1.804	1.5
57	MP3A	Mx	-.002	1.5
58	MP3B	X	-3.125	1.5
59	MP3B	Z	1.804	1.5
60	MP3B	Mx	.002	1.5
61	MP3C	X	-4.159	1.5
62	MP3C	Z	2.401	1.5
63	MP3C	Mx	0	1.5
64	MP3A	X	-2.719	4
65	MP3A	Z	1.57	4
66	MP3A	Mx	-.001	4
67	MP3B	X	-2.719	4
68	MP3B	Z	1.57	4
69	MP3B	Mx	.001	4
70	MP3C	X	-4.144	4
71	MP3C	Z	2.393	4
72	MP3C	Mx	0	4
73	M111	X	-6.269	1.5
74	M111	Z	3.62	1.5
75	M111	Mx	0	1.5
76	M318	X	-6.269	1.5
77	M318	Z	3.62	1.5
78	M318	Mx	0	1.5
79	MP5A	X	-5.552	.5
80	MP5A	Z	3.206	.5
81	MP5A	Mx	.003	.5
82	MP5A	X	-5.552	5.5
83	MP5A	Z	3.206	5.5
84	MP5A	Mx	.003	5.5
85	MP5B	X	-5.552	.5
86	MP5B	Z	3.206	.5
87	MP5B	Mx	-.003	.5
88	MP5B	X	-5.552	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP5B	Z	3.206	5.5
90	MP5B	Mx	-.003	5.5
91	MP5C	X	-8.388	.5
92	MP5C	Z	4.843	.5
93	MP5C	Mx	0	.5
94	MP5C	X	-8.388	5.5
95	MP5C	Z	4.843	5.5
96	MP5C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.859	1
2	MP3A	Z	0	1
3	MP3A	Mx	.003	1
4	MP3A	X	-6.859	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.003	5.5
7	MP3B	X	-9.496	1
8	MP3B	Z	0	1
9	MP3B	Mx	.002	1
10	MP3B	X	-9.496	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	.002	5.5
13	MP3C	X	-9.496	1
14	MP3C	Z	0	1
15	MP3C	Mx	-.006	1
16	MP3C	X	-9.496	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.006	5.5
19	MP3A	X	-6.859	1
20	MP3A	Z	0	1
21	MP3A	Mx	.003	1
22	MP3A	X	-6.859	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.003	5.5
25	MP3B	X	-9.496	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.006	1
28	MP3B	X	-9.496	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.006	5.5
31	MP3C	X	-9.496	1
32	MP3C	Z	0	1
33	MP3C	Mx	.002	1
34	MP3C	X	-9.496	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.002	5.5
37	MP1A	X	-2.363	2.5
38	MP1A	Z	0	2.5
39	MP1A	Mx	.001	2.5
40	MP1A	X	-2.363	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP1A	Z	0	3.5
42	MP1A	Mx	.001	3.5
43	MP1B	X	-5.117	2.5
44	MP1B	Z	0	2.5
45	MP1B	Mx	-.001	2.5
46	MP1B	X	-5.117	3.5
47	MP1B	Z	0	3.5
48	MP1B	Mx	-.001	3.5
49	MP1C	X	-5.117	2.5
50	MP1C	Z	0	2.5
51	MP1C	Mx	-.001	2.5
52	MP1C	X	-5.117	3.5
53	MP1C	Z	0	3.5
54	MP1C	Mx	-.001	3.5
55	MP3A	X	-3.21	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	-.002	1.5
58	MP3B	X	-4.404	1.5
59	MP3B	Z	0	1.5
60	MP3B	Mx	.001	1.5
61	MP3C	X	-4.404	1.5
62	MP3C	Z	0	1.5
63	MP3C	Mx	.001	1.5
64	MP3A	X	-2.591	4
65	MP3A	Z	0	4
66	MP3A	Mx	-.001	4
67	MP3B	X	-4.237	4
68	MP3B	Z	0	4
69	MP3B	Mx	.001	4
70	MP3C	X	-4.237	4
71	MP3C	Z	0	4
72	MP3C	Mx	.001	4
73	M111	X	-6.419	1.5
74	M111	Z	0	1.5
75	M111	Mx	0	1.5
76	M318	X	-6.419	1.5
77	M318	Z	0	1.5
78	M318	Mx	0	1.5
79	MP5A	X	-5.32	.5
80	MP5A	Z	0	.5
81	MP5A	Mx	.003	.5
82	MP5A	X	-5.32	5.5
83	MP5A	Z	0	5.5
84	MP5A	Mx	.003	5.5
85	MP5B	X	-8.594	.5
86	MP5B	Z	0	.5
87	MP5B	Mx	-.002	.5
88	MP5B	X	-8.594	5.5
89	MP5B	Z	0	5.5
90	MP5B	Mx	-.002	5.5
91	MP5C	X	-8.594	.5
92	MP5C	Z	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP5C	Mx	-.002	.5
94	MP5C	X	-8.594	5.5
95	MP5C	Z	0	5.5
96	MP5C	Mx	-.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.701	1
2	MP3A	Z	-3.869	1
3	MP3A	Mx	.001	1
4	MP3A	X	-6.701	5.5
5	MP3A	Z	-3.869	5.5
6	MP3A	Mx	.001	5.5
7	MP3B	X	-8.985	1
8	MP3B	Z	-5.188	1
9	MP3B	Mx	.005	1
10	MP3B	X	-8.985	5.5
11	MP3B	Z	-5.188	5.5
12	MP3B	Mx	.005	5.5
13	MP3C	X	-6.701	1
14	MP3C	Z	-3.869	1
15	MP3C	Mx	-.005	1
16	MP3C	X	-6.701	5.5
17	MP3C	Z	-3.869	5.5
18	MP3C	Mx	-.005	5.5
19	MP3A	X	-6.701	1
20	MP3A	Z	-3.869	1
21	MP3A	Mx	.005	1
22	MP3A	X	-6.701	5.5
23	MP3A	Z	-3.869	5.5
24	MP3A	Mx	.005	5.5
25	MP3B	X	-8.985	1
26	MP3B	Z	-5.188	1
27	MP3B	Mx	-.005	1
28	MP3B	X	-8.985	5.5
29	MP3B	Z	-5.188	5.5
30	MP3B	Mx	-.005	5.5
31	MP3C	X	-6.701	1
32	MP3C	Z	-3.869	1
33	MP3C	Mx	-.001	1
34	MP3C	X	-6.701	5.5
35	MP3C	Z	-3.869	5.5
36	MP3C	Mx	-.001	5.5
37	MP1A	X	-2.841	2.5
38	MP1A	Z	-1.64	2.5
39	MP1A	Mx	.001	2.5
40	MP1A	X	-2.841	3.5
41	MP1A	Z	-1.64	3.5
42	MP1A	Mx	.001	3.5
43	MP1B	X	-5.226	2.5
44	MP1B	Z	-3.017	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP1B	Mx	0	2.5
46	MP1B	X	-5.226	3.5
47	MP1B	Z	-3.017	3.5
48	MP1B	Mx	0	3.5
49	MP1C	X	-2.841	2.5
50	MP1C	Z	-1.64	2.5
51	MP1C	Mx	-.001	2.5
52	MP1C	X	-2.841	3.5
53	MP1C	Z	-1.64	3.5
54	MP1C	Mx	-.001	3.5
55	MP3A	X	-3.125	1.5
56	MP3A	Z	-1.804	1.5
57	MP3A	Mx	-.002	1.5
58	MP3B	X	-4.159	1.5
59	MP3B	Z	-2.401	1.5
60	MP3B	Mx	0	1.5
61	MP3C	X	-3.125	1.5
62	MP3C	Z	-1.804	1.5
63	MP3C	Mx	.002	1.5
64	MP3A	X	-2.719	4
65	MP3A	Z	-1.57	4
66	MP3A	Mx	-.001	4
67	MP3B	X	-4.144	4
68	MP3B	Z	-2.393	4
69	MP3B	Mx	0	4
70	MP3C	X	-2.719	4
71	MP3C	Z	-1.57	4
72	MP3C	Mx	.001	4
73	M111	X	-6.269	1.5
74	M111	Z	-3.62	1.5
75	M111	Mx	0	1.5
76	M318	X	-6.269	1.5
77	M318	Z	-3.62	1.5
78	M318	Mx	0	1.5
79	MP5A	X	-5.552	.5
80	MP5A	Z	-3.206	.5
81	MP5A	Mx	.003	.5
82	MP5A	X	-5.552	5.5
83	MP5A	Z	-3.206	5.5
84	MP5A	Mx	.003	5.5
85	MP5B	X	-8.388	.5
86	MP5B	Z	-4.843	.5
87	MP5B	Mx	0	.5
88	MP5B	X	-8.388	5.5
89	MP5B	Z	-4.843	5.5
90	MP5B	Mx	0	5.5
91	MP5C	X	-5.552	.5
92	MP5C	Z	-3.206	.5
93	MP5C	Mx	-.003	.5
94	MP5C	X	-5.552	5.5
95	MP5C	Z	-3.206	5.5
96	MP5C	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-4.748	1
2	MP3A	Z	-8.224	1
3	MP3A	Mx	-.002	1
4	MP3A	X	-4.748	5.5
5	MP3A	Z	-8.224	5.5
6	MP3A	Mx	-.002	5.5
7	MP3B	X	-4.748	1
8	MP3B	Z	-8.224	1
9	MP3B	Mx	.006	1
10	MP3B	X	-4.748	5.5
11	MP3B	Z	-8.224	5.5
12	MP3B	Mx	.006	5.5
13	MP3C	X	-3.429	1
14	MP3C	Z	-5.94	1
15	MP3C	Mx	-.003	1
16	MP3C	X	-3.429	5.5
17	MP3C	Z	-5.94	5.5
18	MP3C	Mx	-.003	5.5
19	MP3A	X	-4.748	1
20	MP3A	Z	-8.224	1
21	MP3A	Mx	.006	1
22	MP3A	X	-4.748	5.5
23	MP3A	Z	-8.224	5.5
24	MP3A	Mx	.006	5.5
25	MP3B	X	-4.748	1
26	MP3B	Z	-8.224	1
27	MP3B	Mx	-.002	1
28	MP3B	X	-4.748	5.5
29	MP3B	Z	-8.224	5.5
30	MP3B	Mx	-.002	5.5
31	MP3C	X	-3.429	1
32	MP3C	Z	-5.94	1
33	MP3C	Mx	-.003	1
34	MP3C	X	-3.429	5.5
35	MP3C	Z	-5.94	5.5
36	MP3C	Mx	-.003	5.5
37	MP1A	X	-2.558	2.5
38	MP1A	Z	-4.431	2.5
39	MP1A	Mx	.001	2.5
40	MP1A	X	-2.558	3.5
41	MP1A	Z	-4.431	3.5
42	MP1A	Mx	.001	3.5
43	MP1B	X	-2.558	2.5
44	MP1B	Z	-4.431	2.5
45	MP1B	Mx	.001	2.5
46	MP1B	X	-2.558	3.5
47	MP1B	Z	-4.431	3.5
48	MP1B	Mx	.001	3.5
49	MP1C	X	-1.181	2.5
50	MP1C	Z	-2.046	2.5
51	MP1C	Mx	-.001	2.5
52	MP1C	X	-1.181	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP1C	Z	-2.046	3.5
54	MP1C	Mx	-.001	3.5
55	MP3A	X	-2.202	1.5
56	MP3A	Z	-3.814	1.5
57	MP3A	Mx	-.001	1.5
58	MP3B	X	-2.202	1.5
59	MP3B	Z	-3.814	1.5
60	MP3B	Mx	-.001	1.5
61	MP3C	X	-1.605	1.5
62	MP3C	Z	-2.78	1.5
63	MP3C	Mx	.002	1.5
64	MP3A	X	-2.118	4
65	MP3A	Z	-3.669	4
66	MP3A	Mx	-.001	4
67	MP3B	X	-2.118	4
68	MP3B	Z	-3.669	4
69	MP3B	Mx	-.001	4
70	MP3C	X	-1.295	4
71	MP3C	Z	-2.244	4
72	MP3C	Mx	.001	4
73	M111	X	-4.439	1.5
74	M111	Z	-7.689	1.5
75	M111	Mx	0	1.5
76	M318	X	-4.439	1.5
77	M318	Z	-7.689	1.5
78	M318	Mx	0	1.5
79	MP5A	X	-4.297	.5
80	MP5A	Z	-7.443	.5
81	MP5A	Mx	.002	.5
82	MP5A	X	-4.297	5.5
83	MP5A	Z	-7.443	5.5
84	MP5A	Mx	.002	5.5
85	MP5B	X	-4.297	.5
86	MP5B	Z	-7.443	.5
87	MP5B	Mx	.002	.5
88	MP5B	X	-4.297	5.5
89	MP5B	Z	-7.443	5.5
90	MP5B	Mx	.002	5.5
91	MP5C	X	-2.66	.5
92	MP5C	Z	-4.607	.5
93	MP5C	Mx	-.003	.5
94	MP5C	X	-2.66	5.5
95	MP5C	Z	-4.607	5.5
96	MP5C	Mx	-.003	5.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M78B	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

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

Member Point Loads (BLC 78 : Lm2) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M80	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M76B	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M76B	Y	-250	%100

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	Y	-9.408	-9.408	0	%100
2	M10	Y	-9.408	-9.408	0	%100
3	M43	Y	-9.408	-9.408	0	%100
4	M46	Y	-9.912	-9.912	0	%100
5	M51B	Y	-5.489	-5.489	0	%100
6	M52B	Y	-5.489	-5.489	0	%100
7	M76	Y	-9.899	-9.899	0	%100
8	M77	Y	-9.899	-9.899	0	%100
9	M84	Y	-9.899	-9.899	0	%100
10	M85	Y	-9.899	-9.899	0	%100
11	M52A	Y	-9.408	-9.408	0	%100
12	M53	Y	-9.408	-9.408	0	%100
13	M54	Y	-9.408	-9.408	0	%100
14	M55	Y	-9.912	-9.912	0	%100
15	M58A	Y	-5.489	-5.489	0	%100
16	M59A	Y	-5.489	-5.489	0	%100
17	M63	Y	-9.899	-9.899	0	%100
18	M64	Y	-9.899	-9.899	0	%100
19	M68	Y	-9.899	-9.899	0	%100
20	M69	Y	-9.899	-9.899	0	%100
21	M76A	Y	-9.408	-9.408	0	%100
22	M77A	Y	-9.408	-9.408	0	%100
23	M78	Y	-9.408	-9.408	0	%100
24	M79A	Y	-9.912	-9.912	0	%100
25	M82	Y	-5.489	-5.489	0	%100
26	M83A	Y	-5.489	-5.489	0	%100
27	M87	Y	-9.899	-9.899	0	%100
28	M88A	Y	-9.899	-9.899	0	%100
29	M90	Y	-9.912	-9.912	0	%100
30	M92A	Y	-9.899	-9.899	0	%100
31	M93	Y	-9.899	-9.899	0	%100
32	M66	Y	-9.912	-9.912	0	%100
33	M68A	Y	-9.912	-9.912	0	%100
34	M70A	Y	-9.912	-9.912	0	%100
35	M72	Y	-9.912	-9.912	0	%100
36	M74A	Y	-9.912	-9.912	0	%100
37	M76B	Y	-6.42	-6.42	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
38	M77B	Y	-6.42	-6.42	0	%100
39	M78A	Y	-6.42	-6.42	0	%100
40	MP1A	Y	-4.861	-4.861	0	%100
41	MP2A	Y	-4.861	-4.861	0	%100
42	MP3A	Y	-4.861	-4.861	0	%100
43	MP4A	Y	-4.861	-4.861	0	%100
44	MP5A	Y	-4.861	-4.861	0	%100
45	MP1C	Y	-4.861	-4.861	0	%100
46	MP2C	Y	-4.861	-4.861	0	%100
47	MP3C	Y	-4.861	-4.861	0	%100
48	MP5C	Y	-4.861	-4.861	0	%100
49	MP1B	Y	-4.861	-4.861	0	%100
50	MP2B	Y	-4.861	-4.861	0	%100
51	MP3B	Y	-4.861	-4.861	0	%100
52	MP4B	Y	-4.861	-4.861	0	%100
53	MP5B	Y	-4.861	-4.861	0	%100
54	MP4C	Y	-4.861	-4.861	0	%100
55	M318	Y	-4.861	-4.861	0	%100
56	M111	Y	-4.861	-4.861	0	%100
57	M110A	Y	-5.554	-5.554	0	%100
58	M111A	Y	-5.554	-5.554	0	%100
59	M112	Y	-5.554	-5.554	0	%100
60	M134	Y	-7.449	-7.449	0	%100
61	M135	Y	-7.449	-7.449	0	%100
62	M136	Y	-7.449	-7.449	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-11.909	-11.909	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-11.909	-11.909	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-23.753	-23.753	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-3.297	-3.297	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-3.297	-3.297	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-6.048	-6.048	0	%100
17	M84	X	0	0	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	0	0	0	%100
20	M85	Z	-6.048	-6.048	0	%100
21	M52A	X	0	0	0	%100
22	M52A	Z	-10.555	-10.555	0	%100
23	M53	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
24	M53	Z	-2.977	-2.977	0	%100
25	M54	X	0	0	0	%100
26	M54	Z	-2.977	-2.977	0	%100
27	M55	X	0	0	0	%100
28	M55	Z	-5.938	-5.938	0	%100
29	M58A	X	0	0	0	%100
30	M58A	Z	-3.297	-3.297	0	%100
31	M59A	X	0	0	0	%100
32	M59A	Z	-13.19	-13.19	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	-17.815	-17.815	0	%100
35	M64	X	0	0	0	%100
36	M64	Z	-6.048	-6.048	0	%100
37	M68	X	0	0	0	%100
38	M68	Z	-17.815	-17.815	0	%100
39	M69	X	0	0	0	%100
40	M69	Z	-24.193	-24.193	0	%100
41	M76A	X	0	0	0	%100
42	M76A	Z	-10.555	-10.555	0	%100
43	M77A	X	0	0	0	%100
44	M77A	Z	-2.977	-2.977	0	%100
45	M78	X	0	0	0	%100
46	M78	Z	-2.977	-2.977	0	%100
47	M79A	X	0	0	0	%100
48	M79A	Z	-5.938	-5.938	0	%100
49	M82	X	0	0	0	%100
50	M82	Z	-13.19	-13.19	0	%100
51	M83A	X	0	0	0	%100
52	M83A	Z	-3.297	-3.297	0	%100
53	M87	X	0	0	0	%100
54	M87	Z	-17.815	-17.815	0	%100
55	M88A	X	0	0	0	%100
56	M88A	Z	-24.193	-24.193	0	%100
57	M90	X	0	0	0	%100
58	M90	Z	-25.073	-25.073	0	%100
59	M92A	X	0	0	0	%100
60	M92A	Z	-17.815	-17.815	0	%100
61	M93	X	0	0	0	%100
62	M93	Z	-6.048	-6.048	0	%100
63	M66	X	0	0	0	%100
64	M66	Z	-25.073	-25.073	0	%100
65	M68A	X	0	0	0	%100
66	M68A	Z	-6.268	-6.268	0	%100
67	M70A	X	0	0	0	%100
68	M70A	Z	-6.268	-6.268	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	-6.268	-6.268	0	%100
71	M74A	X	0	0	0	%100
72	M74A	Z	-6.268	-6.268	0	%100
73	M76B	X	0	0	0	%100
74	M76B	Z	-13.776	-13.776	0	%100
75	M77B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
76	M77B	Z	-3.444	-3.444	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	-3.444	-3.444	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-8.183	-8.183	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-8.183	-8.183	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-8.183	-8.183	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-8.183	-8.183	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	-8.183	-8.183	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	-8.183	-8.183	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-8.183	-8.183	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-8.183	-8.183	0	%100
95	MP5C	X	0	0	0	%100
96	MP5C	Z	-8.183	-8.183	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	-8.183	-8.183	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-8.183	-8.183	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	-8.183	-8.183	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	-8.183	-8.183	0	%100
105	MP5B	X	0	0	0	%100
106	MP5B	Z	-8.183	-8.183	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	-8.183	-8.183	0	%100
109	M318	X	0	0	0	%100
110	M318	Z	-7.034	-7.034	0	%100
111	M111	X	0	0	0	%100
112	M111	Z	-7.034	-7.034	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	-11.382	-11.382	0	%100
115	M111A	X	0	0	0	%100
116	M111A	Z	-2.845	-2.845	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	-2.845	-2.845	0	%100
119	M134	X	0	0	0	%100
120	M134	Z	-3.159	-3.159	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	-3.159	-3.159	0	%100
123	M136	X	0	0	0	%100
124	M136	Z	-12.635	-12.635	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	1.759	1.759	0	%100
2	M4	Z	-3.047	-3.047	0	%100
3	M10	X	4.466	4.466	0	%100
4	M10	Z	-7.735	-7.735	0	%100
5	M43	X	4.466	4.466	0	%100
6	M43	Z	-7.735	-7.735	0	%100
7	M46	X	8.907	8.907	0	%100
8	M46	Z	-15.428	-15.428	0	%100
9	M51B	X	4.946	4.946	0	%100
10	M51B	Z	-8.567	-8.567	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	2.969	2.969	0	%100
14	M76	Z	-5.143	-5.143	0	%100
15	M77	X	9.072	9.072	0	%100
16	M77	Z	-15.714	-15.714	0	%100
17	M84	X	2.969	2.969	0	%100
18	M84	Z	-5.143	-5.143	0	%100
19	M85	X	0	0	0	%100
20	M85	Z	0	0	0	%100
21	M52A	X	1.759	1.759	0	%100
22	M52A	Z	-3.047	-3.047	0	%100
23	M53	X	4.466	4.466	0	%100
24	M53	Z	-7.735	-7.735	0	%100
25	M54	X	4.466	4.466	0	%100
26	M54	Z	-7.735	-7.735	0	%100
27	M55	X	8.907	8.907	0	%100
28	M55	Z	-15.428	-15.428	0	%100
29	M58A	X	0	0	0	%100
30	M58A	Z	0	0	0	%100
31	M59A	X	4.946	4.946	0	%100
32	M59A	Z	-8.567	-8.567	0	%100
33	M63	X	2.969	2.969	0	%100
34	M63	Z	-5.143	-5.143	0	%100
35	M64	X	0	0	0	%100
36	M64	Z	0	0	0	%100
37	M68	X	2.969	2.969	0	%100
38	M68	Z	-5.143	-5.143	0	%100
39	M69	X	9.072	9.072	0	%100
40	M69	Z	-15.714	-15.714	0	%100
41	M76A	X	7.037	7.037	0	%100
42	M76A	Z	-12.188	-12.188	0	%100
43	M77A	X	0	0	0	%100
44	M77A	Z	0	0	0	%100
45	M78	X	0	0	0	%100
46	M78	Z	0	0	0	%100
47	M79A	X	0	0	0	%100
48	M79A	Z	0	0	0	%100
49	M82	X	4.946	4.946	0	%100
50	M82	Z	-8.567	-8.567	0	%100
51	M83A	X	4.946	4.946	0	%100
52	M83A	Z	-8.567	-8.567	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	M87	X	11.876	11.876	0	%100
54	M87	Z	-20.571	-20.571	0	%100
55	M88A	X	9.072	9.072	0	%100
56	M88A	Z	-15.714	-15.714	0	%100
57	M90	X	9.402	9.402	0	%100
58	M90	Z	-16.286	-16.286	0	%100
59	M92A	X	11.876	11.876	0	%100
60	M92A	Z	-20.571	-20.571	0	%100
61	M93	X	9.072	9.072	0	%100
62	M93	Z	-15.714	-15.714	0	%100
63	M66	X	9.402	9.402	0	%100
64	M66	Z	-16.286	-16.286	0	%100
65	M68A	X	9.402	9.402	0	%100
66	M68A	Z	-16.286	-16.286	0	%100
67	M70A	X	9.402	9.402	0	%100
68	M70A	Z	-16.286	-16.286	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74A	X	0	0	0	%100
72	M74A	Z	0	0	0	%100
73	M76B	X	5.166	5.166	0	%100
74	M76B	Z	-8.948	-8.948	0	%100
75	M77B	X	5.166	5.166	0	%100
76	M77B	Z	-8.948	-8.948	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	0	0	0	%100
79	MP1A	X	4.244	4.244	0	%100
80	MP1A	Z	-7.351	-7.351	0	%100
81	MP2A	X	4.244	4.244	0	%100
82	MP2A	Z	-7.351	-7.351	0	%100
83	MP3A	X	4.244	4.244	0	%100
84	MP3A	Z	-7.351	-7.351	0	%100
85	MP4A	X	4.244	4.244	0	%100
86	MP4A	Z	-7.351	-7.351	0	%100
87	MP5A	X	4.244	4.244	0	%100
88	MP5A	Z	-7.351	-7.351	0	%100
89	MP1C	X	4.244	4.244	0	%100
90	MP1C	Z	-7.351	-7.351	0	%100
91	MP2C	X	4.244	4.244	0	%100
92	MP2C	Z	-7.351	-7.351	0	%100
93	MP3C	X	4.244	4.244	0	%100
94	MP3C	Z	-7.351	-7.351	0	%100
95	MP5C	X	4.244	4.244	0	%100
96	MP5C	Z	-7.351	-7.351	0	%100
97	MP1B	X	4.244	4.244	0	%100
98	MP1B	Z	-7.351	-7.351	0	%100
99	MP2B	X	4.244	4.244	0	%100
100	MP2B	Z	-7.351	-7.351	0	%100
101	MP3B	X	4.244	4.244	0	%100
102	MP3B	Z	-7.351	-7.351	0	%100
103	MP4B	X	4.244	4.244	0	%100
104	MP4B	Z	-7.351	-7.351	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
105	MP5B	X	4.244	4.244	0	%100
106	MP5B	Z	-7.351	-7.351	0	%100
107	MP4C	X	4.244	4.244	0	%100
108	MP4C	Z	-7.351	-7.351	0	%100
109	M318	X	3.599	3.599	0	%100
110	M318	Z	-6.233	-6.233	0	%100
111	M111	X	3.599	3.599	0	%100
112	M111	Z	-6.233	-6.233	0	%100
113	M110A	X	4.268	4.268	0	%100
114	M110A	Z	-7.393	-7.393	0	%100
115	M111A	X	4.268	4.268	0	%100
116	M111A	Z	-7.393	-7.393	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	0	0	0	%100
119	M134	X	4.738	4.738	0	%100
120	M134	Z	-8.207	-8.207	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	0	0	0	%100
123	M136	X	4.738	4.738	0	%100
124	M136	Z	-8.207	-8.207	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	9.141	9.141	0	%100
2	M4	Z	-5.278	-5.278	0	%100
3	M10	X	2.578	2.578	0	%100
4	M10	Z	-1.489	-1.489	0	%100
5	M43	X	2.578	2.578	0	%100
6	M43	Z	-1.489	-1.489	0	%100
7	M46	X	5.143	5.143	0	%100
8	M46	Z	-2.969	-2.969	0	%100
9	M51B	X	11.423	11.423	0	%100
10	M51B	Z	-6.595	-6.595	0	%100
11	M52B	X	2.856	2.856	0	%100
12	M52B	Z	-1.649	-1.649	0	%100
13	M76	X	15.428	15.428	0	%100
14	M76	Z	-8.907	-8.907	0	%100
15	M77	X	20.952	20.952	0	%100
16	M77	Z	-12.096	-12.096	0	%100
17	M84	X	15.428	15.428	0	%100
18	M84	Z	-8.907	-8.907	0	%100
19	M85	X	5.238	5.238	0	%100
20	M85	Z	-3.024	-3.024	0	%100
21	M52A	X	0	0	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	10.313	10.313	0	%100
24	M53	Z	-5.954	-5.954	0	%100
25	M54	X	10.313	10.313	0	%100
26	M54	Z	-5.954	-5.954	0	%100
27	M55	X	20.571	20.571	0	%100
28	M55	Z	-11.876	-11.876	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
29	M58A	X	2.856	2.856	0	%100
30	M58A	Z	-1.649	-1.649	0	%100
31	M59A	X	2.856	2.856	0	%100
32	M59A	Z	-1.649	-1.649	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	5.238	5.238	0	%100
36	M64	Z	-3.024	-3.024	0	%100
37	M68	X	0	0	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	5.238	5.238	0	%100
40	M69	Z	-3.024	-3.024	0	%100
41	M76A	X	9.141	9.141	0	%100
42	M76A	Z	-5.278	-5.278	0	%100
43	M77A	X	2.578	2.578	0	%100
44	M77A	Z	-1.489	-1.489	0	%100
45	M78	X	2.578	2.578	0	%100
46	M78	Z	-1.489	-1.489	0	%100
47	M79A	X	5.143	5.143	0	%100
48	M79A	Z	-2.969	-2.969	0	%100
49	M82	X	2.856	2.856	0	%100
50	M82	Z	-1.649	-1.649	0	%100
51	M83A	X	11.423	11.423	0	%100
52	M83A	Z	-6.595	-6.595	0	%100
53	M87	X	15.428	15.428	0	%100
54	M87	Z	-8.907	-8.907	0	%100
55	M88A	X	5.238	5.238	0	%100
56	M88A	Z	-3.024	-3.024	0	%100
57	M90	X	5.429	5.429	0	%100
58	M90	Z	-3.134	-3.134	0	%100
59	M92A	X	15.428	15.428	0	%100
60	M92A	Z	-8.907	-8.907	0	%100
61	M93	X	20.952	20.952	0	%100
62	M93	Z	-12.096	-12.096	0	%100
63	M66	X	5.429	5.429	0	%100
64	M66	Z	-3.134	-3.134	0	%100
65	M68A	X	21.714	21.714	0	%100
66	M68A	Z	-12.537	-12.537	0	%100
67	M70A	X	21.714	21.714	0	%100
68	M70A	Z	-12.537	-12.537	0	%100
69	M72	X	5.429	5.429	0	%100
70	M72	Z	-3.134	-3.134	0	%100
71	M74A	X	5.429	5.429	0	%100
72	M74A	Z	-3.134	-3.134	0	%100
73	M76B	X	2.983	2.983	0	%100
74	M76B	Z	-1.722	-1.722	0	%100
75	M77B	X	11.931	11.931	0	%100
76	M77B	Z	-6.888	-6.888	0	%100
77	M78A	X	2.983	2.983	0	%100
78	M78A	Z	-1.722	-1.722	0	%100
79	MP1A	X	7.879	7.879	0	%100
80	MP1A	Z	-4.549	-4.549	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
81	MP2A	X	7.879	7.879	0	%100
82	MP2A	Z	-4.549	-4.549	0	%100
83	MP3A	X	7.879	7.879	0	%100
84	MP3A	Z	-4.549	-4.549	0	%100
85	MP4A	X	7.879	7.879	0	%100
86	MP4A	Z	-4.549	-4.549	0	%100
87	MP5A	X	7.879	7.879	0	%100
88	MP5A	Z	-4.549	-4.549	0	%100
89	MP1C	X	7.879	7.879	0	%100
90	MP1C	Z	-4.549	-4.549	0	%100
91	MP2C	X	7.879	7.879	0	%100
92	MP2C	Z	-4.549	-4.549	0	%100
93	MP3C	X	7.879	7.879	0	%100
94	MP3C	Z	-4.549	-4.549	0	%100
95	MP5C	X	7.879	7.879	0	%100
96	MP5C	Z	-4.549	-4.549	0	%100
97	MP1B	X	7.879	7.879	0	%100
98	MP1B	Z	-4.549	-4.549	0	%100
99	MP2B	X	7.879	7.879	0	%100
100	MP2B	Z	-4.549	-4.549	0	%100
101	MP3B	X	7.879	7.879	0	%100
102	MP3B	Z	-4.549	-4.549	0	%100
103	MP4B	X	7.879	7.879	0	%100
104	MP4B	Z	-4.549	-4.549	0	%100
105	MP5B	X	7.879	7.879	0	%100
106	MP5B	Z	-4.549	-4.549	0	%100
107	MP4C	X	7.879	7.879	0	%100
108	MP4C	Z	-4.549	-4.549	0	%100
109	M318	X	6.517	6.517	0	%100
110	M318	Z	-3.762	-3.762	0	%100
111	M111	X	6.517	6.517	0	%100
112	M111	Z	-3.762	-3.762	0	%100
113	M110A	X	2.464	2.464	0	%100
114	M110A	Z	-1.423	-1.423	0	%100
115	M111A	X	9.857	9.857	0	%100
116	M111A	Z	-5.691	-5.691	0	%100
117	M112	X	2.464	2.464	0	%100
118	M112	Z	-1.423	-1.423	0	%100
119	M134	X	10.943	10.943	0	%100
120	M134	Z	-6.318	-6.318	0	%100
121	M135	X	2.736	2.736	0	%100
122	M135	Z	-1.579	-1.579	0	%100
123	M136	X	2.736	2.736	0	%100
124	M136	Z	-1.579	-1.579	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	14.074	14.074	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	9.892	9.892	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	9.892	9.892	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	23.753	23.753	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	18.145	18.145	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	23.753	23.753	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	18.145	18.145	0	%100
20	M85	Z	0	0	0	%100
21	M52A	X	3.518	3.518	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	8.931	8.931	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	8.931	8.931	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	17.815	17.815	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	9.892	9.892	0	%100
30	M58A	Z	0	0	0	%100
31	M59A	X	0	0	0	%100
32	M59A	Z	0	0	0	%100
33	M63	X	5.938	5.938	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	18.145	18.145	0	%100
36	M64	Z	0	0	0	%100
37	M68	X	5.938	5.938	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	0	0	0	%100
40	M69	Z	0	0	0	%100
41	M76A	X	3.518	3.518	0	%100
42	M76A	Z	0	0	0	%100
43	M77A	X	8.931	8.931	0	%100
44	M77A	Z	0	0	0	%100
45	M78	X	8.931	8.931	0	%100
46	M78	Z	0	0	0	%100
47	M79A	X	17.815	17.815	0	%100
48	M79A	Z	0	0	0	%100
49	M82	X	0	0	0	%100
50	M82	Z	0	0	0	%100
51	M83A	X	9.892	9.892	0	%100
52	M83A	Z	0	0	0	%100
53	M87	X	5.938	5.938	0	%100
54	M87	Z	0	0	0	%100
55	M88A	X	0	0	0	%100
56	M88A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
57	M90	X	0	0	0	%100
58	M90	Z	0	0	0	%100
59	M92A	X	5.938	5.938	0	%100
60	M92A	Z	0	0	0	%100
61	M93	X	18.145	18.145	0	%100
62	M93	Z	0	0	0	%100
63	M66	X	0	0	0	%100
64	M66	Z	0	0	0	%100
65	M68A	X	18.805	18.805	0	%100
66	M68A	Z	0	0	0	%100
67	M70A	X	18.805	18.805	0	%100
68	M70A	Z	0	0	0	%100
69	M72	X	18.805	18.805	0	%100
70	M72	Z	0	0	0	%100
71	M74A	X	18.805	18.805	0	%100
72	M74A	Z	0	0	0	%100
73	M76B	X	0	0	0	%100
74	M76B	Z	0	0	0	%100
75	M77B	X	10.332	10.332	0	%100
76	M77B	Z	0	0	0	%100
77	M78A	X	10.332	10.332	0	%100
78	M78A	Z	0	0	0	%100
79	MP1A	X	9.402	9.402	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	9.402	9.402	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	9.402	9.402	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	9.402	9.402	0	%100
86	MP4A	Z	0	0	0	%100
87	MP5A	X	9.402	9.402	0	%100
88	MP5A	Z	0	0	0	%100
89	MP1C	X	9.402	9.402	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2C	X	9.402	9.402	0	%100
92	MP2C	Z	0	0	0	%100
93	MP3C	X	9.402	9.402	0	%100
94	MP3C	Z	0	0	0	%100
95	MP5C	X	9.402	9.402	0	%100
96	MP5C	Z	0	0	0	%100
97	MP1B	X	9.402	9.402	0	%100
98	MP1B	Z	0	0	0	%100
99	MP2B	X	9.402	9.402	0	%100
100	MP2B	Z	0	0	0	%100
101	MP3B	X	9.402	9.402	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	9.402	9.402	0	%100
104	MP4B	Z	0	0	0	%100
105	MP5B	X	9.402	9.402	0	%100
106	MP5B	Z	0	0	0	%100
107	MP4C	X	9.402	9.402	0	%100
108	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
109	M318	X	7.689	7.689	0	%100
110	M318	Z	0	0	0	%100
111	M111	X	7.689	7.689	0	%100
112	M111	Z	0	0	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	0	0	0	%100
115	M111A	X	8.536	8.536	0	%100
116	M111A	Z	0	0	0	%100
117	M112	X	8.536	8.536	0	%100
118	M112	Z	0	0	0	%100
119	M134	X	9.476	9.476	0	%100
120	M134	Z	0	0	0	%100
121	M135	X	9.476	9.476	0	%100
122	M135	Z	0	0	0	%100
123	M136	X	0	0	0	%100
124	M136	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	9.141	9.141	0	%100
2	M4	Z	5.278	5.278	0	%100
3	M10	X	2.578	2.578	0	%100
4	M10	Z	1.489	1.489	0	%100
5	M43	X	2.578	2.578	0	%100
6	M43	Z	1.489	1.489	0	%100
7	M46	X	5.143	5.143	0	%100
8	M46	Z	2.969	2.969	0	%100
9	M51B	X	2.856	2.856	0	%100
10	M51B	Z	1.649	1.649	0	%100
11	M52B	X	11.423	11.423	0	%100
12	M52B	Z	6.595	6.595	0	%100
13	M76	X	15.428	15.428	0	%100
14	M76	Z	8.907	8.907	0	%100
15	M77	X	5.238	5.238	0	%100
16	M77	Z	3.024	3.024	0	%100
17	M84	X	15.428	15.428	0	%100
18	M84	Z	8.907	8.907	0	%100
19	M85	X	20.952	20.952	0	%100
20	M85	Z	12.096	12.096	0	%100
21	M52A	X	9.141	9.141	0	%100
22	M52A	Z	5.278	5.278	0	%100
23	M53	X	2.578	2.578	0	%100
24	M53	Z	1.489	1.489	0	%100
25	M54	X	2.578	2.578	0	%100
26	M54	Z	1.489	1.489	0	%100
27	M55	X	5.143	5.143	0	%100
28	M55	Z	2.969	2.969	0	%100
29	M58A	X	11.423	11.423	0	%100
30	M58A	Z	6.595	6.595	0	%100
31	M59A	X	2.856	2.856	0	%100
32	M59A	Z	1.649	1.649	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
33	M63	X	15.428	15.428	0	%100
34	M63	Z	8.907	8.907	0	%100
35	M64	X	20.952	20.952	0	%100
36	M64	Z	12.096	12.096	0	%100
37	M68	X	15.428	15.428	0	%100
38	M68	Z	8.907	8.907	0	%100
39	M69	X	5.238	5.238	0	%100
40	M69	Z	3.024	3.024	0	%100
41	M76A	X	0	0	0	%100
42	M76A	Z	0	0	0	%100
43	M77A	X	10.313	10.313	0	%100
44	M77A	Z	5.954	5.954	0	%100
45	M78	X	10.313	10.313	0	%100
46	M78	Z	5.954	5.954	0	%100
47	M79A	X	20.571	20.571	0	%100
48	M79A	Z	11.876	11.876	0	%100
49	M82	X	2.856	2.856	0	%100
50	M82	Z	1.649	1.649	0	%100
51	M83A	X	2.856	2.856	0	%100
52	M83A	Z	1.649	1.649	0	%100
53	M87	X	0	0	0	%100
54	M87	Z	0	0	0	%100
55	M88A	X	5.238	5.238	0	%100
56	M88A	Z	3.024	3.024	0	%100
57	M90	X	5.429	5.429	0	%100
58	M90	Z	3.134	3.134	0	%100
59	M92A	X	0	0	0	%100
60	M92A	Z	0	0	0	%100
61	M93	X	5.238	5.238	0	%100
62	M93	Z	3.024	3.024	0	%100
63	M66	X	5.429	5.429	0	%100
64	M66	Z	3.134	3.134	0	%100
65	M68A	X	5.429	5.429	0	%100
66	M68A	Z	3.134	3.134	0	%100
67	M70A	X	5.429	5.429	0	%100
68	M70A	Z	3.134	3.134	0	%100
69	M72	X	21.714	21.714	0	%100
70	M72	Z	12.537	12.537	0	%100
71	M74A	X	21.714	21.714	0	%100
72	M74A	Z	12.537	12.537	0	%100
73	M76B	X	2.983	2.983	0	%100
74	M76B	Z	1.722	1.722	0	%100
75	M77B	X	2.983	2.983	0	%100
76	M77B	Z	1.722	1.722	0	%100
77	M78A	X	11.931	11.931	0	%100
78	M78A	Z	6.888	6.888	0	%100
79	MP1A	X	7.879	7.879	0	%100
80	MP1A	Z	4.549	4.549	0	%100
81	MP2A	X	7.879	7.879	0	%100
82	MP2A	Z	4.549	4.549	0	%100
83	MP3A	X	7.879	7.879	0	%100
84	MP3A	Z	4.549	4.549	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
85	MP4A	X	7.879	7.879	0	%100
86	MP4A	Z	4.549	4.549	0	%100
87	MP5A	X	7.879	7.879	0	%100
88	MP5A	Z	4.549	4.549	0	%100
89	MP1C	X	7.879	7.879	0	%100
90	MP1C	Z	4.549	4.549	0	%100
91	MP2C	X	7.879	7.879	0	%100
92	MP2C	Z	4.549	4.549	0	%100
93	MP3C	X	7.879	7.879	0	%100
94	MP3C	Z	4.549	4.549	0	%100
95	MP5C	X	7.879	7.879	0	%100
96	MP5C	Z	4.549	4.549	0	%100
97	MP1B	X	7.879	7.879	0	%100
98	MP1B	Z	4.549	4.549	0	%100
99	MP2B	X	7.879	7.879	0	%100
100	MP2B	Z	4.549	4.549	0	%100
101	MP3B	X	7.879	7.879	0	%100
102	MP3B	Z	4.549	4.549	0	%100
103	MP4B	X	7.879	7.879	0	%100
104	MP4B	Z	4.549	4.549	0	%100
105	MP5B	X	7.879	7.879	0	%100
106	MP5B	Z	4.549	4.549	0	%100
107	MP4C	X	7.879	7.879	0	%100
108	MP4C	Z	4.549	4.549	0	%100
109	M318	X	6.517	6.517	0	%100
110	M318	Z	3.762	3.762	0	%100
111	M111	X	6.517	6.517	0	%100
112	M111	Z	3.762	3.762	0	%100
113	M110A	X	2.464	2.464	0	%100
114	M110A	Z	1.423	1.423	0	%100
115	M111A	X	2.464	2.464	0	%100
116	M111A	Z	1.423	1.423	0	%100
117	M112	X	9.857	9.857	0	%100
118	M112	Z	5.691	5.691	0	%100
119	M134	X	2.736	2.736	0	%100
120	M134	Z	1.579	1.579	0	%100
121	M135	X	10.943	10.943	0	%100
122	M135	Z	6.318	6.318	0	%100
123	M136	X	2.736	2.736	0	%100
124	M136	Z	1.579	1.579	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	1.759	1.759	0	%100
2	M4	Z	3.047	3.047	0	%100
3	M10	X	4.466	4.466	0	%100
4	M10	Z	7.735	7.735	0	%100
5	M43	X	4.466	4.466	0	%100
6	M43	Z	7.735	7.735	0	%100
7	M46	X	8.907	8.907	0	%100
8	M46	Z	15.428	15.428	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	4.946	4.946	0	%100
12	M52B	Z	8.567	8.567	0	%100
13	M76	X	2.969	2.969	0	%100
14	M76	Z	5.143	5.143	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	2.969	2.969	0	%100
18	M84	Z	5.143	5.143	0	%100
19	M85	X	9.072	9.072	0	%100
20	M85	Z	15.714	15.714	0	%100
21	M52A	X	7.037	7.037	0	%100
22	M52A	Z	12.188	12.188	0	%100
23	M53	X	0	0	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	0	0	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	0	0	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	4.946	4.946	0	%100
30	M58A	Z	8.567	8.567	0	%100
31	M59A	X	4.946	4.946	0	%100
32	M59A	Z	8.567	8.567	0	%100
33	M63	X	11.876	11.876	0	%100
34	M63	Z	20.571	20.571	0	%100
35	M64	X	9.072	9.072	0	%100
36	M64	Z	15.714	15.714	0	%100
37	M68	X	11.876	11.876	0	%100
38	M68	Z	20.571	20.571	0	%100
39	M69	X	9.072	9.072	0	%100
40	M69	Z	15.714	15.714	0	%100
41	M76A	X	1.759	1.759	0	%100
42	M76A	Z	3.047	3.047	0	%100
43	M77A	X	4.466	4.466	0	%100
44	M77A	Z	7.735	7.735	0	%100
45	M78	X	4.466	4.466	0	%100
46	M78	Z	7.735	7.735	0	%100
47	M79A	X	8.907	8.907	0	%100
48	M79A	Z	15.428	15.428	0	%100
49	M82	X	4.946	4.946	0	%100
50	M82	Z	8.567	8.567	0	%100
51	M83A	X	0	0	0	%100
52	M83A	Z	0	0	0	%100
53	M87	X	2.969	2.969	0	%100
54	M87	Z	5.143	5.143	0	%100
55	M88A	X	9.072	9.072	0	%100
56	M88A	Z	15.714	15.714	0	%100
57	M90	X	9.402	9.402	0	%100
58	M90	Z	16.286	16.286	0	%100
59	M92A	X	2.969	2.969	0	%100
60	M92A	Z	5.143	5.143	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
61	M93	X	0	0	0	%100
62	M93	Z	0	0	0	%100
63	M66	X	9.402	9.402	0	%100
64	M66	Z	16.286	16.286	0	%100
65	M68A	X	0	0	0	%100
66	M68A	Z	0	0	0	%100
67	M70A	X	0	0	0	%100
68	M70A	Z	0	0	0	%100
69	M72	X	9.402	9.402	0	%100
70	M72	Z	16.286	16.286	0	%100
71	M74A	X	9.402	9.402	0	%100
72	M74A	Z	16.286	16.286	0	%100
73	M76B	X	5.166	5.166	0	%100
74	M76B	Z	8.948	8.948	0	%100
75	M77B	X	0	0	0	%100
76	M77B	Z	0	0	0	%100
77	M78A	X	5.166	5.166	0	%100
78	M78A	Z	8.948	8.948	0	%100
79	MP1A	X	4.244	4.244	0	%100
80	MP1A	Z	7.351	7.351	0	%100
81	MP2A	X	4.244	4.244	0	%100
82	MP2A	Z	7.351	7.351	0	%100
83	MP3A	X	4.244	4.244	0	%100
84	MP3A	Z	7.351	7.351	0	%100
85	MP4A	X	4.244	4.244	0	%100
86	MP4A	Z	7.351	7.351	0	%100
87	MP5A	X	4.244	4.244	0	%100
88	MP5A	Z	7.351	7.351	0	%100
89	MP1C	X	4.244	4.244	0	%100
90	MP1C	Z	7.351	7.351	0	%100
91	MP2C	X	4.244	4.244	0	%100
92	MP2C	Z	7.351	7.351	0	%100
93	MP3C	X	4.244	4.244	0	%100
94	MP3C	Z	7.351	7.351	0	%100
95	MP5C	X	4.244	4.244	0	%100
96	MP5C	Z	7.351	7.351	0	%100
97	MP1B	X	4.244	4.244	0	%100
98	MP1B	Z	7.351	7.351	0	%100
99	MP2B	X	4.244	4.244	0	%100
100	MP2B	Z	7.351	7.351	0	%100
101	MP3B	X	4.244	4.244	0	%100
102	MP3B	Z	7.351	7.351	0	%100
103	MP4B	X	4.244	4.244	0	%100
104	MP4B	Z	7.351	7.351	0	%100
105	MP5B	X	4.244	4.244	0	%100
106	MP5B	Z	7.351	7.351	0	%100
107	MP4C	X	4.244	4.244	0	%100
108	MP4C	Z	7.351	7.351	0	%100
109	M318	X	3.599	3.599	0	%100
110	M318	Z	6.233	6.233	0	%100
111	M111	X	3.599	3.599	0	%100
112	M111	Z	6.233	6.233	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
113	M110A	X	4.268	4.268	0	%100
114	M110A	Z	7.393	7.393	0	%100
115	M111A	X	0	0	0	%100
116	M111A	Z	0	0	0	%100
117	M112	X	4.268	4.268	0	%100
118	M112	Z	7.393	7.393	0	%100
119	M134	X	0	0	0	%100
120	M134	Z	0	0	0	%100
121	M135	X	4.738	4.738	0	%100
122	M135	Z	8.207	8.207	0	%100
123	M136	X	4.738	4.738	0	%100
124	M136	Z	8.207	8.207	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	11.909	11.909	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	11.909	11.909	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	23.753	23.753	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	3.297	3.297	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	3.297	3.297	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	6.048	6.048	0	%100
17	M84	X	0	0	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	0	0	0	%100
20	M85	Z	6.048	6.048	0	%100
21	M52A	X	0	0	0	%100
22	M52A	Z	10.555	10.555	0	%100
23	M53	X	0	0	0	%100
24	M53	Z	2.977	2.977	0	%100
25	M54	X	0	0	0	%100
26	M54	Z	2.977	2.977	0	%100
27	M55	X	0	0	0	%100
28	M55	Z	5.938	5.938	0	%100
29	M58A	X	0	0	0	%100
30	M58A	Z	3.297	3.297	0	%100
31	M59A	X	0	0	0	%100
32	M59A	Z	13.19	13.19	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	17.815	17.815	0	%100
35	M64	X	0	0	0	%100
36	M64	Z	6.048	6.048	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
37	M68	X	0	0	0	%100
38	M68	Z	17.815	17.815	0	%100
39	M69	X	0	0	0	%100
40	M69	Z	24.193	24.193	0	%100
41	M76A	X	0	0	0	%100
42	M76A	Z	10.555	10.555	0	%100
43	M77A	X	0	0	0	%100
44	M77A	Z	2.977	2.977	0	%100
45	M78	X	0	0	0	%100
46	M78	Z	2.977	2.977	0	%100
47	M79A	X	0	0	0	%100
48	M79A	Z	5.938	5.938	0	%100
49	M82	X	0	0	0	%100
50	M82	Z	13.19	13.19	0	%100
51	M83A	X	0	0	0	%100
52	M83A	Z	3.297	3.297	0	%100
53	M87	X	0	0	0	%100
54	M87	Z	17.815	17.815	0	%100
55	M88A	X	0	0	0	%100
56	M88A	Z	24.193	24.193	0	%100
57	M90	X	0	0	0	%100
58	M90	Z	25.073	25.073	0	%100
59	M92A	X	0	0	0	%100
60	M92A	Z	17.815	17.815	0	%100
61	M93	X	0	0	0	%100
62	M93	Z	6.048	6.048	0	%100
63	M66	X	0	0	0	%100
64	M66	Z	25.073	25.073	0	%100
65	M68A	X	0	0	0	%100
66	M68A	Z	6.268	6.268	0	%100
67	M70A	X	0	0	0	%100
68	M70A	Z	6.268	6.268	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	6.268	6.268	0	%100
71	M74A	X	0	0	0	%100
72	M74A	Z	6.268	6.268	0	%100
73	M76B	X	0	0	0	%100
74	M76B	Z	13.776	13.776	0	%100
75	M77B	X	0	0	0	%100
76	M77B	Z	3.444	3.444	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	3.444	3.444	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	8.183	8.183	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	8.183	8.183	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	8.183	8.183	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	8.183	8.183	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	8.183	8.183	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
89	MP1C	X	0	0	0	%100
90	MP1C	Z	8.183	8.183	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	8.183	8.183	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	8.183	8.183	0	%100
95	MP5C	X	0	0	0	%100
96	MP5C	Z	8.183	8.183	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	8.183	8.183	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	8.183	8.183	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	8.183	8.183	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	8.183	8.183	0	%100
105	MP5B	X	0	0	0	%100
106	MP5B	Z	8.183	8.183	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	8.183	8.183	0	%100
109	M318	X	0	0	0	%100
110	M318	Z	7.034	7.034	0	%100
111	M111	X	0	0	0	%100
112	M111	Z	7.034	7.034	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	11.382	11.382	0	%100
115	M111A	X	0	0	0	%100
116	M111A	Z	2.845	2.845	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	2.845	2.845	0	%100
119	M134	X	0	0	0	%100
120	M134	Z	3.159	3.159	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	3.159	3.159	0	%100
123	M136	X	0	0	0	%100
124	M136	Z	12.635	12.635	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-1.759	-1.759	0	%100
2	M4	Z	3.047	3.047	0	%100
3	M10	X	-4.466	-4.466	0	%100
4	M10	Z	7.735	7.735	0	%100
5	M43	X	-4.466	-4.466	0	%100
6	M43	Z	7.735	7.735	0	%100
7	M46	X	-8.907	-8.907	0	%100
8	M46	Z	15.428	15.428	0	%100
9	M51B	X	-4.946	-4.946	0	%100
10	M51B	Z	8.567	8.567	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
13	M76	X	-2.969	-2.969	0	%100
14	M76	Z	5.143	5.143	0	%100
15	M77	X	-9.072	-9.072	0	%100
16	M77	Z	15.714	15.714	0	%100
17	M84	X	-2.969	-2.969	0	%100
18	M84	Z	5.143	5.143	0	%100
19	M85	X	0	0	0	%100
20	M85	Z	0	0	0	%100
21	M52A	X	-1.759	-1.759	0	%100
22	M52A	Z	3.047	3.047	0	%100
23	M53	X	-4.466	-4.466	0	%100
24	M53	Z	7.735	7.735	0	%100
25	M54	X	-4.466	-4.466	0	%100
26	M54	Z	7.735	7.735	0	%100
27	M55	X	-8.907	-8.907	0	%100
28	M55	Z	15.428	15.428	0	%100
29	M58A	X	0	0	0	%100
30	M58A	Z	0	0	0	%100
31	M59A	X	-4.946	-4.946	0	%100
32	M59A	Z	8.567	8.567	0	%100
33	M63	X	-2.969	-2.969	0	%100
34	M63	Z	5.143	5.143	0	%100
35	M64	X	0	0	0	%100
36	M64	Z	0	0	0	%100
37	M68	X	-2.969	-2.969	0	%100
38	M68	Z	5.143	5.143	0	%100
39	M69	X	-9.072	-9.072	0	%100
40	M69	Z	15.714	15.714	0	%100
41	M76A	X	-7.037	-7.037	0	%100
42	M76A	Z	12.188	12.188	0	%100
43	M77A	X	0	0	0	%100
44	M77A	Z	0	0	0	%100
45	M78	X	0	0	0	%100
46	M78	Z	0	0	0	%100
47	M79A	X	0	0	0	%100
48	M79A	Z	0	0	0	%100
49	M82	X	-4.946	-4.946	0	%100
50	M82	Z	8.567	8.567	0	%100
51	M83A	X	-4.946	-4.946	0	%100
52	M83A	Z	8.567	8.567	0	%100
53	M87	X	-11.876	-11.876	0	%100
54	M87	Z	20.571	20.571	0	%100
55	M88A	X	-9.072	-9.072	0	%100
56	M88A	Z	15.714	15.714	0	%100
57	M90	X	-9.402	-9.402	0	%100
58	M90	Z	16.286	16.286	0	%100
59	M92A	X	-11.876	-11.876	0	%100
60	M92A	Z	20.571	20.571	0	%100
61	M93	X	-9.072	-9.072	0	%100
62	M93	Z	15.714	15.714	0	%100
63	M66	X	-9.402	-9.402	0	%100
64	M66	Z	16.286	16.286	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
65	M68A	X	-9.402	-9.402	0	%100
66	M68A	Z	16.286	16.286	0	%100
67	M70A	X	-9.402	-9.402	0	%100
68	M70A	Z	16.286	16.286	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74A	X	0	0	0	%100
72	M74A	Z	0	0	0	%100
73	M76B	X	-5.166	-5.166	0	%100
74	M76B	Z	8.948	8.948	0	%100
75	M77B	X	-5.166	-5.166	0	%100
76	M77B	Z	8.948	8.948	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	0	0	0	%100
79	MP1A	X	-4.244	-4.244	0	%100
80	MP1A	Z	7.351	7.351	0	%100
81	MP2A	X	-4.244	-4.244	0	%100
82	MP2A	Z	7.351	7.351	0	%100
83	MP3A	X	-4.244	-4.244	0	%100
84	MP3A	Z	7.351	7.351	0	%100
85	MP4A	X	-4.244	-4.244	0	%100
86	MP4A	Z	7.351	7.351	0	%100
87	MP5A	X	-4.244	-4.244	0	%100
88	MP5A	Z	7.351	7.351	0	%100
89	MP1C	X	-4.244	-4.244	0	%100
90	MP1C	Z	7.351	7.351	0	%100
91	MP2C	X	-4.244	-4.244	0	%100
92	MP2C	Z	7.351	7.351	0	%100
93	MP3C	X	-4.244	-4.244	0	%100
94	MP3C	Z	7.351	7.351	0	%100
95	MP5C	X	-4.244	-4.244	0	%100
96	MP5C	Z	7.351	7.351	0	%100
97	MP1B	X	-4.244	-4.244	0	%100
98	MP1B	Z	7.351	7.351	0	%100
99	MP2B	X	-4.244	-4.244	0	%100
100	MP2B	Z	7.351	7.351	0	%100
101	MP3B	X	-4.244	-4.244	0	%100
102	MP3B	Z	7.351	7.351	0	%100
103	MP4B	X	-4.244	-4.244	0	%100
104	MP4B	Z	7.351	7.351	0	%100
105	MP5B	X	-4.244	-4.244	0	%100
106	MP5B	Z	7.351	7.351	0	%100
107	MP4C	X	-4.244	-4.244	0	%100
108	MP4C	Z	7.351	7.351	0	%100
109	M318	X	-3.599	-3.599	0	%100
110	M318	Z	6.233	6.233	0	%100
111	M111	X	-3.599	-3.599	0	%100
112	M111	Z	6.233	6.233	0	%100
113	M110A	X	-4.268	-4.268	0	%100
114	M110A	Z	7.393	7.393	0	%100
115	M111A	X	-4.268	-4.268	0	%100
116	M111A	Z	7.393	7.393	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
117	M112	X	0	0	0	%100
118	M112	Z	0	0	0	%100
119	M134	X	-4.738	-4.738	0	%100
120	M134	Z	8.207	8.207	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	0	0	0	%100
123	M136	X	-4.738	-4.738	0	%100
124	M136	Z	8.207	8.207	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-9.141	-9.141	0	%100
2	M4	Z	5.278	5.278	0	%100
3	M10	X	-2.578	-2.578	0	%100
4	M10	Z	1.489	1.489	0	%100
5	M43	X	-2.578	-2.578	0	%100
6	M43	Z	1.489	1.489	0	%100
7	M46	X	-5.143	-5.143	0	%100
8	M46	Z	2.969	2.969	0	%100
9	M51B	X	-11.423	-11.423	0	%100
10	M51B	Z	6.595	6.595	0	%100
11	M52B	X	-2.856	-2.856	0	%100
12	M52B	Z	1.649	1.649	0	%100
13	M76	X	-15.428	-15.428	0	%100
14	M76	Z	8.907	8.907	0	%100
15	M77	X	-20.952	-20.952	0	%100
16	M77	Z	12.096	12.096	0	%100
17	M84	X	-15.428	-15.428	0	%100
18	M84	Z	8.907	8.907	0	%100
19	M85	X	-5.238	-5.238	0	%100
20	M85	Z	3.024	3.024	0	%100
21	M52A	X	0	0	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	-10.313	-10.313	0	%100
24	M53	Z	5.954	5.954	0	%100
25	M54	X	-10.313	-10.313	0	%100
26	M54	Z	5.954	5.954	0	%100
27	M55	X	-20.571	-20.571	0	%100
28	M55	Z	11.876	11.876	0	%100
29	M58A	X	-2.856	-2.856	0	%100
30	M58A	Z	1.649	1.649	0	%100
31	M59A	X	-2.856	-2.856	0	%100
32	M59A	Z	1.649	1.649	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	-5.238	-5.238	0	%100
36	M64	Z	3.024	3.024	0	%100
37	M68	X	0	0	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	-5.238	-5.238	0	%100
40	M69	Z	3.024	3.024	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
41	M76A	X	-9.141	-9.141	0	%100
42	M76A	Z	5.278	5.278	0	%100
43	M77A	X	-2.578	-2.578	0	%100
44	M77A	Z	1.489	1.489	0	%100
45	M78	X	-2.578	-2.578	0	%100
46	M78	Z	1.489	1.489	0	%100
47	M79A	X	-5.143	-5.143	0	%100
48	M79A	Z	2.969	2.969	0	%100
49	M82	X	-2.856	-2.856	0	%100
50	M82	Z	1.649	1.649	0	%100
51	M83A	X	-11.423	-11.423	0	%100
52	M83A	Z	6.595	6.595	0	%100
53	M87	X	-15.428	-15.428	0	%100
54	M87	Z	8.907	8.907	0	%100
55	M88A	X	-5.238	-5.238	0	%100
56	M88A	Z	3.024	3.024	0	%100
57	M90	X	-5.429	-5.429	0	%100
58	M90	Z	3.134	3.134	0	%100
59	M92A	X	-15.428	-15.428	0	%100
60	M92A	Z	8.907	8.907	0	%100
61	M93	X	-20.952	-20.952	0	%100
62	M93	Z	12.096	12.096	0	%100
63	M66	X	-5.429	-5.429	0	%100
64	M66	Z	3.134	3.134	0	%100
65	M68A	X	-21.714	-21.714	0	%100
66	M68A	Z	12.537	12.537	0	%100
67	M70A	X	-21.714	-21.714	0	%100
68	M70A	Z	12.537	12.537	0	%100
69	M72	X	-5.429	-5.429	0	%100
70	M72	Z	3.134	3.134	0	%100
71	M74A	X	-5.429	-5.429	0	%100
72	M74A	Z	3.134	3.134	0	%100
73	M76B	X	-2.983	-2.983	0	%100
74	M76B	Z	1.722	1.722	0	%100
75	M77B	X	-11.931	-11.931	0	%100
76	M77B	Z	6.888	6.888	0	%100
77	M78A	X	-2.983	-2.983	0	%100
78	M78A	Z	1.722	1.722	0	%100
79	MP1A	X	-7.879	-7.879	0	%100
80	MP1A	Z	4.549	4.549	0	%100
81	MP2A	X	-7.879	-7.879	0	%100
82	MP2A	Z	4.549	4.549	0	%100
83	MP3A	X	-7.879	-7.879	0	%100
84	MP3A	Z	4.549	4.549	0	%100
85	MP4A	X	-7.879	-7.879	0	%100
86	MP4A	Z	4.549	4.549	0	%100
87	MP5A	X	-7.879	-7.879	0	%100
88	MP5A	Z	4.549	4.549	0	%100
89	MP1C	X	-7.879	-7.879	0	%100
90	MP1C	Z	4.549	4.549	0	%100
91	MP2C	X	-7.879	-7.879	0	%100
92	MP2C	Z	4.549	4.549	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
93	MP3C	X	-7.879	-7.879	0	%100
94	MP3C	Z	4.549	4.549	0	%100
95	MP5C	X	-7.879	-7.879	0	%100
96	MP5C	Z	4.549	4.549	0	%100
97	MP1B	X	-7.879	-7.879	0	%100
98	MP1B	Z	4.549	4.549	0	%100
99	MP2B	X	-7.879	-7.879	0	%100
100	MP2B	Z	4.549	4.549	0	%100
101	MP3B	X	-7.879	-7.879	0	%100
102	MP3B	Z	4.549	4.549	0	%100
103	MP4B	X	-7.879	-7.879	0	%100
104	MP4B	Z	4.549	4.549	0	%100
105	MP5B	X	-7.879	-7.879	0	%100
106	MP5B	Z	4.549	4.549	0	%100
107	MP4C	X	-7.879	-7.879	0	%100
108	MP4C	Z	4.549	4.549	0	%100
109	M318	X	-6.517	-6.517	0	%100
110	M318	Z	3.762	3.762	0	%100
111	M111	X	-6.517	-6.517	0	%100
112	M111	Z	3.762	3.762	0	%100
113	M110A	X	-2.464	-2.464	0	%100
114	M110A	Z	1.423	1.423	0	%100
115	M111A	X	-9.857	-9.857	0	%100
116	M111A	Z	5.691	5.691	0	%100
117	M112	X	-2.464	-2.464	0	%100
118	M112	Z	1.423	1.423	0	%100
119	M134	X	-10.943	-10.943	0	%100
120	M134	Z	6.318	6.318	0	%100
121	M135	X	-2.736	-2.736	0	%100
122	M135	Z	1.579	1.579	0	%100
123	M136	X	-2.736	-2.736	0	%100
124	M136	Z	1.579	1.579	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-14.074	-14.074	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-9.892	-9.892	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-9.892	-9.892	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-23.753	-23.753	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-18.145	-18.145	0	%100
16	M77	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
17	M84	X	-23.753	-23.753	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	-18.145	-18.145	0	%100
20	M85	Z	0	0	0	%100
21	M52A	X	-3.518	-3.518	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	-8.931	-8.931	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	-8.931	-8.931	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	-17.815	-17.815	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	-9.892	-9.892	0	%100
30	M58A	Z	0	0	0	%100
31	M59A	X	0	0	0	%100
32	M59A	Z	0	0	0	%100
33	M63	X	-5.938	-5.938	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	-18.145	-18.145	0	%100
36	M64	Z	0	0	0	%100
37	M68	X	-5.938	-5.938	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	0	0	0	%100
40	M69	Z	0	0	0	%100
41	M76A	X	-3.518	-3.518	0	%100
42	M76A	Z	0	0	0	%100
43	M77A	X	-8.931	-8.931	0	%100
44	M77A	Z	0	0	0	%100
45	M78	X	-8.931	-8.931	0	%100
46	M78	Z	0	0	0	%100
47	M79A	X	-17.815	-17.815	0	%100
48	M79A	Z	0	0	0	%100
49	M82	X	0	0	0	%100
50	M82	Z	0	0	0	%100
51	M83A	X	-9.892	-9.892	0	%100
52	M83A	Z	0	0	0	%100
53	M87	X	-5.938	-5.938	0	%100
54	M87	Z	0	0	0	%100
55	M88A	X	0	0	0	%100
56	M88A	Z	0	0	0	%100
57	M90	X	0	0	0	%100
58	M90	Z	0	0	0	%100
59	M92A	X	-5.938	-5.938	0	%100
60	M92A	Z	0	0	0	%100
61	M93	X	-18.145	-18.145	0	%100
62	M93	Z	0	0	0	%100
63	M66	X	0	0	0	%100
64	M66	Z	0	0	0	%100
65	M68A	X	-18.805	-18.805	0	%100
66	M68A	Z	0	0	0	%100
67	M70A	X	-18.805	-18.805	0	%100
68	M70A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
69	M72	X	-18.805	-18.805	0	%100
70	M72	Z	0	0	0	%100
71	M74A	X	-18.805	-18.805	0	%100
72	M74A	Z	0	0	0	%100
73	M76B	X	0	0	0	%100
74	M76B	Z	0	0	0	%100
75	M77B	X	-10.332	-10.332	0	%100
76	M77B	Z	0	0	0	%100
77	M78A	X	-10.332	-10.332	0	%100
78	M78A	Z	0	0	0	%100
79	MP1A	X	-9.402	-9.402	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-9.402	-9.402	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-9.402	-9.402	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-9.402	-9.402	0	%100
86	MP4A	Z	0	0	0	%100
87	MP5A	X	-9.402	-9.402	0	%100
88	MP5A	Z	0	0	0	%100
89	MP1C	X	-9.402	-9.402	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2C	X	-9.402	-9.402	0	%100
92	MP2C	Z	0	0	0	%100
93	MP3C	X	-9.402	-9.402	0	%100
94	MP3C	Z	0	0	0	%100
95	MP5C	X	-9.402	-9.402	0	%100
96	MP5C	Z	0	0	0	%100
97	MP1B	X	-9.402	-9.402	0	%100
98	MP1B	Z	0	0	0	%100
99	MP2B	X	-9.402	-9.402	0	%100
100	MP2B	Z	0	0	0	%100
101	MP3B	X	-9.402	-9.402	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	-9.402	-9.402	0	%100
104	MP4B	Z	0	0	0	%100
105	MP5B	X	-9.402	-9.402	0	%100
106	MP5B	Z	0	0	0	%100
107	MP4C	X	-9.402	-9.402	0	%100
108	MP4C	Z	0	0	0	%100
109	M318	X	-7.689	-7.689	0	%100
110	M318	Z	0	0	0	%100
111	M111	X	-7.689	-7.689	0	%100
112	M111	Z	0	0	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	0	0	0	%100
115	M111A	X	-8.536	-8.536	0	%100
116	M111A	Z	0	0	0	%100
117	M112	X	-8.536	-8.536	0	%100
118	M112	Z	0	0	0	%100
119	M134	X	-9.476	-9.476	0	%100
120	M134	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
121	M135	X	-9.476	-9.476	0	%100
122	M135	Z	0	0	0	%100
123	M136	X	0	0	0	%100
124	M136	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-9.141	-9.141	0	%100
2	M4	Z	-5.278	-5.278	0	%100
3	M10	X	-2.578	-2.578	0	%100
4	M10	Z	-1.489	-1.489	0	%100
5	M43	X	-2.578	-2.578	0	%100
6	M43	Z	-1.489	-1.489	0	%100
7	M46	X	-5.143	-5.143	0	%100
8	M46	Z	-2.969	-2.969	0	%100
9	M51B	X	-2.856	-2.856	0	%100
10	M51B	Z	-1.649	-1.649	0	%100
11	M52B	X	-11.423	-11.423	0	%100
12	M52B	Z	-6.595	-6.595	0	%100
13	M76	X	-15.428	-15.428	0	%100
14	M76	Z	-8.907	-8.907	0	%100
15	M77	X	-5.238	-5.238	0	%100
16	M77	Z	-3.024	-3.024	0	%100
17	M84	X	-15.428	-15.428	0	%100
18	M84	Z	-8.907	-8.907	0	%100
19	M85	X	-20.952	-20.952	0	%100
20	M85	Z	-12.096	-12.096	0	%100
21	M52A	X	-9.141	-9.141	0	%100
22	M52A	Z	-5.278	-5.278	0	%100
23	M53	X	-2.578	-2.578	0	%100
24	M53	Z	-1.489	-1.489	0	%100
25	M54	X	-2.578	-2.578	0	%100
26	M54	Z	-1.489	-1.489	0	%100
27	M55	X	-5.143	-5.143	0	%100
28	M55	Z	-2.969	-2.969	0	%100
29	M58A	X	-11.423	-11.423	0	%100
30	M58A	Z	-6.595	-6.595	0	%100
31	M59A	X	-2.856	-2.856	0	%100
32	M59A	Z	-1.649	-1.649	0	%100
33	M63	X	-15.428	-15.428	0	%100
34	M63	Z	-8.907	-8.907	0	%100
35	M64	X	-20.952	-20.952	0	%100
36	M64	Z	-12.096	-12.096	0	%100
37	M68	X	-15.428	-15.428	0	%100
38	M68	Z	-8.907	-8.907	0	%100
39	M69	X	-5.238	-5.238	0	%100
40	M69	Z	-3.024	-3.024	0	%100
41	M76A	X	0	0	0	%100
42	M76A	Z	0	0	0	%100
43	M77A	X	-10.313	-10.313	0	%100
44	M77A	Z	-5.954	-5.954	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
45	M78	X	-10.313	-10.313	0	%100
46	M78	Z	-5.954	-5.954	0	%100
47	M79A	X	-20.571	-20.571	0	%100
48	M79A	Z	-11.876	-11.876	0	%100
49	M82	X	-2.856	-2.856	0	%100
50	M82	Z	-1.649	-1.649	0	%100
51	M83A	X	-2.856	-2.856	0	%100
52	M83A	Z	-1.649	-1.649	0	%100
53	M87	X	0	0	0	%100
54	M87	Z	0	0	0	%100
55	M88A	X	-5.238	-5.238	0	%100
56	M88A	Z	-3.024	-3.024	0	%100
57	M90	X	-5.429	-5.429	0	%100
58	M90	Z	-3.134	-3.134	0	%100
59	M92A	X	0	0	0	%100
60	M92A	Z	0	0	0	%100
61	M93	X	-5.238	-5.238	0	%100
62	M93	Z	-3.024	-3.024	0	%100
63	M66	X	-5.429	-5.429	0	%100
64	M66	Z	-3.134	-3.134	0	%100
65	M68A	X	-5.429	-5.429	0	%100
66	M68A	Z	-3.134	-3.134	0	%100
67	M70A	X	-5.429	-5.429	0	%100
68	M70A	Z	-3.134	-3.134	0	%100
69	M72	X	-21.714	-21.714	0	%100
70	M72	Z	-12.537	-12.537	0	%100
71	M74A	X	-21.714	-21.714	0	%100
72	M74A	Z	-12.537	-12.537	0	%100
73	M76B	X	-2.983	-2.983	0	%100
74	M76B	Z	-1.722	-1.722	0	%100
75	M77B	X	-2.983	-2.983	0	%100
76	M77B	Z	-1.722	-1.722	0	%100
77	M78A	X	-11.931	-11.931	0	%100
78	M78A	Z	-6.888	-6.888	0	%100
79	MP1A	X	-7.879	-7.879	0	%100
80	MP1A	Z	-4.549	-4.549	0	%100
81	MP2A	X	-7.879	-7.879	0	%100
82	MP2A	Z	-4.549	-4.549	0	%100
83	MP3A	X	-7.879	-7.879	0	%100
84	MP3A	Z	-4.549	-4.549	0	%100
85	MP4A	X	-7.879	-7.879	0	%100
86	MP4A	Z	-4.549	-4.549	0	%100
87	MP5A	X	-7.879	-7.879	0	%100
88	MP5A	Z	-4.549	-4.549	0	%100
89	MP1C	X	-7.879	-7.879	0	%100
90	MP1C	Z	-4.549	-4.549	0	%100
91	MP2C	X	-7.879	-7.879	0	%100
92	MP2C	Z	-4.549	-4.549	0	%100
93	MP3C	X	-7.879	-7.879	0	%100
94	MP3C	Z	-4.549	-4.549	0	%100
95	MP5C	X	-7.879	-7.879	0	%100
96	MP5C	Z	-4.549	-4.549	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
97	MP1B	X	-7.879	-7.879	0	%100
98	MP1B	Z	-4.549	-4.549	0	%100
99	MP2B	X	-7.879	-7.879	0	%100
100	MP2B	Z	-4.549	-4.549	0	%100
101	MP3B	X	-7.879	-7.879	0	%100
102	MP3B	Z	-4.549	-4.549	0	%100
103	MP4B	X	-7.879	-7.879	0	%100
104	MP4B	Z	-4.549	-4.549	0	%100
105	MP5B	X	-7.879	-7.879	0	%100
106	MP5B	Z	-4.549	-4.549	0	%100
107	MP4C	X	-7.879	-7.879	0	%100
108	MP4C	Z	-4.549	-4.549	0	%100
109	M318	X	-6.517	-6.517	0	%100
110	M318	Z	-3.762	-3.762	0	%100
111	M111	X	-6.517	-6.517	0	%100
112	M111	Z	-3.762	-3.762	0	%100
113	M110A	X	-2.464	-2.464	0	%100
114	M110A	Z	-1.423	-1.423	0	%100
115	M111A	X	-2.464	-2.464	0	%100
116	M111A	Z	-1.423	-1.423	0	%100
117	M112	X	-9.857	-9.857	0	%100
118	M112	Z	-5.691	-5.691	0	%100
119	M134	X	-2.736	-2.736	0	%100
120	M134	Z	-1.579	-1.579	0	%100
121	M135	X	-10.943	-10.943	0	%100
122	M135	Z	-6.318	-6.318	0	%100
123	M136	X	-2.736	-2.736	0	%100
124	M136	Z	-1.579	-1.579	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-1.759	-1.759	0	%100
2	M4	Z	-3.047	-3.047	0	%100
3	M10	X	-4.466	-4.466	0	%100
4	M10	Z	-7.735	-7.735	0	%100
5	M43	X	-4.466	-4.466	0	%100
6	M43	Z	-7.735	-7.735	0	%100
7	M46	X	-8.907	-8.907	0	%100
8	M46	Z	-15.428	-15.428	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-4.946	-4.946	0	%100
12	M52B	Z	-8.567	-8.567	0	%100
13	M76	X	-2.969	-2.969	0	%100
14	M76	Z	-5.143	-5.143	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	-2.969	-2.969	0	%100
18	M84	Z	-5.143	-5.143	0	%100
19	M85	X	-9.072	-9.072	0	%100
20	M85	Z	-15.714	-15.714	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
21	M52A	X	-7.037	-7.037	0	%100
22	M52A	Z	-12.188	-12.188	0	%100
23	M53	X	0	0	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	0	0	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	0	0	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	-4.946	-4.946	0	%100
30	M58A	Z	-8.567	-8.567	0	%100
31	M59A	X	-4.946	-4.946	0	%100
32	M59A	Z	-8.567	-8.567	0	%100
33	M63	X	-11.876	-11.876	0	%100
34	M63	Z	-20.571	-20.571	0	%100
35	M64	X	-9.072	-9.072	0	%100
36	M64	Z	-15.714	-15.714	0	%100
37	M68	X	-11.876	-11.876	0	%100
38	M68	Z	-20.571	-20.571	0	%100
39	M69	X	-9.072	-9.072	0	%100
40	M69	Z	-15.714	-15.714	0	%100
41	M76A	X	-1.759	-1.759	0	%100
42	M76A	Z	-3.047	-3.047	0	%100
43	M77A	X	-4.466	-4.466	0	%100
44	M77A	Z	-7.735	-7.735	0	%100
45	M78	X	-4.466	-4.466	0	%100
46	M78	Z	-7.735	-7.735	0	%100
47	M79A	X	-8.907	-8.907	0	%100
48	M79A	Z	-15.428	-15.428	0	%100
49	M82	X	-4.946	-4.946	0	%100
50	M82	Z	-8.567	-8.567	0	%100
51	M83A	X	0	0	0	%100
52	M83A	Z	0	0	0	%100
53	M87	X	-2.969	-2.969	0	%100
54	M87	Z	-5.143	-5.143	0	%100
55	M88A	X	-9.072	-9.072	0	%100
56	M88A	Z	-15.714	-15.714	0	%100
57	M90	X	-9.402	-9.402	0	%100
58	M90	Z	-16.286	-16.286	0	%100
59	M92A	X	-2.969	-2.969	0	%100
60	M92A	Z	-5.143	-5.143	0	%100
61	M93	X	0	0	0	%100
62	M93	Z	0	0	0	%100
63	M66	X	-9.402	-9.402	0	%100
64	M66	Z	-16.286	-16.286	0	%100
65	M68A	X	0	0	0	%100
66	M68A	Z	0	0	0	%100
67	M70A	X	0	0	0	%100
68	M70A	Z	0	0	0	%100
69	M72	X	-9.402	-9.402	0	%100
70	M72	Z	-16.286	-16.286	0	%100
71	M74A	X	-9.402	-9.402	0	%100
72	M74A	Z	-16.286	-16.286	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
73	M76B	X	-5.166	-5.166	0	%100
74	M76B	Z	-8.948	-8.948	0	%100
75	M77B	X	0	0	0	%100
76	M77B	Z	0	0	0	%100
77	M78A	X	-5.166	-5.166	0	%100
78	M78A	Z	-8.948	-8.948	0	%100
79	MP1A	X	-4.244	-4.244	0	%100
80	MP1A	Z	-7.351	-7.351	0	%100
81	MP2A	X	-4.244	-4.244	0	%100
82	MP2A	Z	-7.351	-7.351	0	%100
83	MP3A	X	-4.244	-4.244	0	%100
84	MP3A	Z	-7.351	-7.351	0	%100
85	MP4A	X	-4.244	-4.244	0	%100
86	MP4A	Z	-7.351	-7.351	0	%100
87	MP5A	X	-4.244	-4.244	0	%100
88	MP5A	Z	-7.351	-7.351	0	%100
89	MP1C	X	-4.244	-4.244	0	%100
90	MP1C	Z	-7.351	-7.351	0	%100
91	MP2C	X	-4.244	-4.244	0	%100
92	MP2C	Z	-7.351	-7.351	0	%100
93	MP3C	X	-4.244	-4.244	0	%100
94	MP3C	Z	-7.351	-7.351	0	%100
95	MP5C	X	-4.244	-4.244	0	%100
96	MP5C	Z	-7.351	-7.351	0	%100
97	MP1B	X	-4.244	-4.244	0	%100
98	MP1B	Z	-7.351	-7.351	0	%100
99	MP2B	X	-4.244	-4.244	0	%100
100	MP2B	Z	-7.351	-7.351	0	%100
101	MP3B	X	-4.244	-4.244	0	%100
102	MP3B	Z	-7.351	-7.351	0	%100
103	MP4B	X	-4.244	-4.244	0	%100
104	MP4B	Z	-7.351	-7.351	0	%100
105	MP5B	X	-4.244	-4.244	0	%100
106	MP5B	Z	-7.351	-7.351	0	%100
107	MP4C	X	-4.244	-4.244	0	%100
108	MP4C	Z	-7.351	-7.351	0	%100
109	M318	X	-3.599	-3.599	0	%100
110	M318	Z	-6.233	-6.233	0	%100
111	M111	X	-3.599	-3.599	0	%100
112	M111	Z	-6.233	-6.233	0	%100
113	M110A	X	-4.268	-4.268	0	%100
114	M110A	Z	-7.393	-7.393	0	%100
115	M111A	X	0	0	0	%100
116	M111A	Z	0	0	0	%100
117	M112	X	-4.268	-4.268	0	%100
118	M112	Z	-7.393	-7.393	0	%100
119	M134	X	0	0	0	%100
120	M134	Z	0	0	0	%100
121	M135	X	-4.738	-4.738	0	%100
122	M135	Z	-8.207	-8.207	0	%100
123	M136	X	-4.738	-4.738	0	%100
124	M136	Z	-8.207	-8.207	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-3.379	-3.379	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-3.379	-3.379	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-5.293	-5.293	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-.973	-.973	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-.973	-.973	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-1.321	-1.321	0	%100
17	M84	X	0	0	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	0	0	0	%100
20	M85	Z	-1.321	-1.321	0	%100
21	M52A	X	0	0	0	%100
22	M52A	Z	-3.104	-3.104	0	%100
23	M53	X	0	0	0	%100
24	M53	Z	-.845	-.845	0	%100
25	M54	X	0	0	0	%100
26	M54	Z	-.845	-.845	0	%100
27	M55	X	0	0	0	%100
28	M55	Z	-1.323	-1.323	0	%100
29	M58A	X	0	0	0	%100
30	M58A	Z	-.973	-.973	0	%100
31	M59A	X	0	0	0	%100
32	M59A	Z	-3.891	-3.891	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	-3.904	-3.904	0	%100
35	M64	X	0	0	0	%100
36	M64	Z	-1.321	-1.321	0	%100
37	M68	X	0	0	0	%100
38	M68	Z	-3.904	-3.904	0	%100
39	M69	X	0	0	0	%100
40	M69	Z	-5.284	-5.284	0	%100
41	M76A	X	0	0	0	%100
42	M76A	Z	-3.104	-3.104	0	%100
43	M77A	X	0	0	0	%100
44	M77A	Z	-.845	-.845	0	%100
45	M78	X	0	0	0	%100
46	M78	Z	-.845	-.845	0	%100
47	M79A	X	0	0	0	%100
48	M79A	Z	-1.323	-1.323	0	%100
49	M82	X	0	0	0	%100
50	M82	Z	-3.891	-3.891	0	%100
51	M83A	X	0	0	0	%100
52	M83A	Z	-.973	-.973	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	M87	X	0	0	0	%100
54	M87	Z	-3.904	-3.904	0	%100
55	M88A	X	0	0	0	%100
56	M88A	Z	-5.284	-5.284	0	%100
57	M90	X	0	0	0	%100
58	M90	Z	-5.442	-5.442	0	%100
59	M92A	X	0	0	0	%100
60	M92A	Z	-3.904	-3.904	0	%100
61	M93	X	0	0	0	%100
62	M93	Z	-1.321	-1.321	0	%100
63	M66	X	0	0	0	%100
64	M66	Z	-5.442	-5.442	0	%100
65	M68A	X	0	0	0	%100
66	M68A	Z	-1.361	-1.361	0	%100
67	M70A	X	0	0	0	%100
68	M70A	Z	-1.361	-1.361	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	-1.361	-1.361	0	%100
71	M74A	X	0	0	0	%100
72	M74A	Z	-1.361	-1.361	0	%100
73	M76B	X	0	0	0	%100
74	M76B	Z	-4.1	-4.1	0	%100
75	M77B	X	0	0	0	%100
76	M77B	Z	-1.025	-1.025	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	-1.025	-1.025	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-3.081	-3.081	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-3.081	-3.081	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-3.081	-3.081	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-3.081	-3.081	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	-3.081	-3.081	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	-3.081	-3.081	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-3.081	-3.081	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-3.081	-3.081	0	%100
95	MP5C	X	0	0	0	%100
96	MP5C	Z	-3.081	-3.081	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	-3.081	-3.081	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-3.081	-3.081	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	-3.081	-3.081	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	-3.081	-3.081	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
105	MP5B	X	0	0	0	%100
106	MP5B	Z	-3.081	-3.081	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	-3.081	-3.081	0	%100
109	M318	X	0	0	0	%100
110	M318	Z	-2.602	-2.602	0	%100
111	M111	X	0	0	0	%100
112	M111	Z	-2.602	-2.602	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	-3.656	-3.656	0	%100
115	M111A	X	0	0	0	%100
116	M111A	Z	-.914	-.914	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	-.914	-.914	0	%100
119	M134	X	0	0	0	%100
120	M134	Z	-.825	-.825	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	-.825	-.825	0	%100
123	M136	X	0	0	0	%100
124	M136	Z	-3.301	-3.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.517	.517	0	%100
2	M4	Z	-.896	-.896	0	%100
3	M10	X	1.267	1.267	0	%100
4	M10	Z	-2.195	-2.195	0	%100
5	M43	X	1.267	1.267	0	%100
6	M43	Z	-2.195	-2.195	0	%100
7	M46	X	1.985	1.985	0	%100
8	M46	Z	-3.438	-3.438	0	%100
9	M51B	X	1.459	1.459	0	%100
10	M51B	Z	-2.527	-2.527	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.651	.651	0	%100
14	M76	Z	-1.127	-1.127	0	%100
15	M77	X	1.982	1.982	0	%100
16	M77	Z	-3.432	-3.432	0	%100
17	M84	X	.651	.651	0	%100
18	M84	Z	-1.127	-1.127	0	%100
19	M85	X	0	0	0	%100
20	M85	Z	0	0	0	%100
21	M52A	X	.517	.517	0	%100
22	M52A	Z	-.896	-.896	0	%100
23	M53	X	1.267	1.267	0	%100
24	M53	Z	-2.195	-2.195	0	%100
25	M54	X	1.267	1.267	0	%100
26	M54	Z	-2.195	-2.195	0	%100
27	M55	X	1.985	1.985	0	%100
28	M55	Z	-3.438	-3.438	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
29	M58A	X	0	0	0	%100
30	M58A	Z	0	0	0	%100
31	M59A	X	1.459	1.459	0	%100
32	M59A	Z	-2.527	-2.527	0	%100
33	M63	X	.651	.651	0	%100
34	M63	Z	-1.127	-1.127	0	%100
35	M64	X	0	0	0	%100
36	M64	Z	0	0	0	%100
37	M68	X	.651	.651	0	%100
38	M68	Z	-1.127	-1.127	0	%100
39	M69	X	1.982	1.982	0	%100
40	M69	Z	-3.432	-3.432	0	%100
41	M76A	X	2.069	2.069	0	%100
42	M76A	Z	-3.584	-3.584	0	%100
43	M77A	X	0	0	0	%100
44	M77A	Z	0	0	0	%100
45	M78	X	0	0	0	%100
46	M78	Z	0	0	0	%100
47	M79A	X	0	0	0	%100
48	M79A	Z	0	0	0	%100
49	M82	X	1.459	1.459	0	%100
50	M82	Z	-2.527	-2.527	0	%100
51	M83A	X	1.459	1.459	0	%100
52	M83A	Z	-2.527	-2.527	0	%100
53	M87	X	2.603	2.603	0	%100
54	M87	Z	-4.508	-4.508	0	%100
55	M88A	X	1.982	1.982	0	%100
56	M88A	Z	-3.432	-3.432	0	%100
57	M90	X	2.041	2.041	0	%100
58	M90	Z	-3.535	-3.535	0	%100
59	M92A	X	2.603	2.603	0	%100
60	M92A	Z	-4.508	-4.508	0	%100
61	M93	X	1.982	1.982	0	%100
62	M93	Z	-3.432	-3.432	0	%100
63	M66	X	2.041	2.041	0	%100
64	M66	Z	-3.535	-3.535	0	%100
65	M68A	X	2.041	2.041	0	%100
66	M68A	Z	-3.535	-3.535	0	%100
67	M70A	X	2.041	2.041	0	%100
68	M70A	Z	-3.535	-3.535	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74A	X	0	0	0	%100
72	M74A	Z	0	0	0	%100
73	M76B	X	1.537	1.537	0	%100
74	M76B	Z	-2.663	-2.663	0	%100
75	M77B	X	1.537	1.537	0	%100
76	M77B	Z	-2.663	-2.663	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	0	0	0	%100
79	MP1A	X	1.568	1.568	0	%100
80	MP1A	Z	-2.716	-2.716	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
81	MP2A	X	1.568	1.568	0	%100
82	MP2A	Z	-2.716	-2.716	0	%100
83	MP3A	X	1.568	1.568	0	%100
84	MP3A	Z	-2.716	-2.716	0	%100
85	MP4A	X	1.568	1.568	0	%100
86	MP4A	Z	-2.716	-2.716	0	%100
87	MP5A	X	1.568	1.568	0	%100
88	MP5A	Z	-2.716	-2.716	0	%100
89	MP1C	X	1.568	1.568	0	%100
90	MP1C	Z	-2.716	-2.716	0	%100
91	MP2C	X	1.568	1.568	0	%100
92	MP2C	Z	-2.716	-2.716	0	%100
93	MP3C	X	1.568	1.568	0	%100
94	MP3C	Z	-2.716	-2.716	0	%100
95	MP5C	X	1.568	1.568	0	%100
96	MP5C	Z	-2.716	-2.716	0	%100
97	MP1B	X	1.568	1.568	0	%100
98	MP1B	Z	-2.716	-2.716	0	%100
99	MP2B	X	1.568	1.568	0	%100
100	MP2B	Z	-2.716	-2.716	0	%100
101	MP3B	X	1.568	1.568	0	%100
102	MP3B	Z	-2.716	-2.716	0	%100
103	MP4B	X	1.568	1.568	0	%100
104	MP4B	Z	-2.716	-2.716	0	%100
105	MP5B	X	1.568	1.568	0	%100
106	MP5B	Z	-2.716	-2.716	0	%100
107	MP4C	X	1.568	1.568	0	%100
108	MP4C	Z	-2.716	-2.716	0	%100
109	M318	X	1.316	1.316	0	%100
110	M318	Z	-2.279	-2.279	0	%100
111	M111	X	1.316	1.316	0	%100
112	M111	Z	-2.279	-2.279	0	%100
113	M110A	X	1.371	1.371	0	%100
114	M110A	Z	-2.374	-2.374	0	%100
115	M111A	X	1.371	1.371	0	%100
116	M111A	Z	-2.374	-2.374	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	0	0	0	%100
119	M134	X	1.238	1.238	0	%100
120	M134	Z	-2.144	-2.144	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	0	0	0	%100
123	M136	X	1.238	1.238	0	%100
124	M136	Z	-2.144	-2.144	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	2.688	2.688	0	%100
2	M4	Z	-1.552	-1.552	0	%100
3	M10	X	.732	.732	0	%100
4	M10	Z	-.422	-.422	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
5	M43	X	.732	.732	0	%100
6	M43	Z	-.422	-.422	0	%100
7	M46	X	1.146	1.146	0	%100
8	M46	Z	-.662	-.662	0	%100
9	M51B	X	3.37	3.37	0	%100
10	M51B	Z	-1.946	-1.946	0	%100
11	M52B	X	.842	.842	0	%100
12	M52B	Z	-.486	-.486	0	%100
13	M76	X	3.381	3.381	0	%100
14	M76	Z	-1.952	-1.952	0	%100
15	M77	X	4.576	4.576	0	%100
16	M77	Z	-2.642	-2.642	0	%100
17	M84	X	3.381	3.381	0	%100
18	M84	Z	-1.952	-1.952	0	%100
19	M85	X	1.144	1.144	0	%100
20	M85	Z	-.661	-.661	0	%100
21	M52A	X	0	0	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	2.926	2.926	0	%100
24	M53	Z	-1.689	-1.689	0	%100
25	M54	X	2.926	2.926	0	%100
26	M54	Z	-1.689	-1.689	0	%100
27	M55	X	4.584	4.584	0	%100
28	M55	Z	-2.647	-2.647	0	%100
29	M58A	X	.842	.842	0	%100
30	M58A	Z	-.486	-.486	0	%100
31	M59A	X	.842	.842	0	%100
32	M59A	Z	-.486	-.486	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	1.144	1.144	0	%100
36	M64	Z	-.661	-.661	0	%100
37	M68	X	0	0	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	1.144	1.144	0	%100
40	M69	Z	-.661	-.661	0	%100
41	M76A	X	2.688	2.688	0	%100
42	M76A	Z	-1.552	-1.552	0	%100
43	M77A	X	.732	.732	0	%100
44	M77A	Z	-.422	-.422	0	%100
45	M78	X	.732	.732	0	%100
46	M78	Z	-.422	-.422	0	%100
47	M79A	X	1.146	1.146	0	%100
48	M79A	Z	-.662	-.662	0	%100
49	M82	X	.842	.842	0	%100
50	M82	Z	-.486	-.486	0	%100
51	M83A	X	3.37	3.37	0	%100
52	M83A	Z	-1.946	-1.946	0	%100
53	M87	X	3.381	3.381	0	%100
54	M87	Z	-1.952	-1.952	0	%100
55	M88A	X	1.144	1.144	0	%100
56	M88A	Z	-.661	-.661	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
57	M90	X	1.178	1.178	0	%100
58	M90	Z	-.68	-.68	0	%100
59	M92A	X	3.381	3.381	0	%100
60	M92A	Z	-1.952	-1.952	0	%100
61	M93	X	4.576	4.576	0	%100
62	M93	Z	-2.642	-2.642	0	%100
63	M66	X	1.178	1.178	0	%100
64	M66	Z	-.68	-.68	0	%100
65	M68A	X	4.713	4.713	0	%100
66	M68A	Z	-2.721	-2.721	0	%100
67	M70A	X	4.713	4.713	0	%100
68	M70A	Z	-2.721	-2.721	0	%100
69	M72	X	1.178	1.178	0	%100
70	M72	Z	-.68	-.68	0	%100
71	M74A	X	1.178	1.178	0	%100
72	M74A	Z	-.68	-.68	0	%100
73	M76B	X	.888	.888	0	%100
74	M76B	Z	-.512	-.512	0	%100
75	M77B	X	3.551	3.551	0	%100
76	M77B	Z	-2.05	-2.05	0	%100
77	M78A	X	.888	.888	0	%100
78	M78A	Z	-.512	-.512	0	%100
79	MP1A	X	2.811	2.811	0	%100
80	MP1A	Z	-1.623	-1.623	0	%100
81	MP2A	X	2.811	2.811	0	%100
82	MP2A	Z	-1.623	-1.623	0	%100
83	MP3A	X	2.811	2.811	0	%100
84	MP3A	Z	-1.623	-1.623	0	%100
85	MP4A	X	2.811	2.811	0	%100
86	MP4A	Z	-1.623	-1.623	0	%100
87	MP5A	X	2.811	2.811	0	%100
88	MP5A	Z	-1.623	-1.623	0	%100
89	MP1C	X	2.811	2.811	0	%100
90	MP1C	Z	-1.623	-1.623	0	%100
91	MP2C	X	2.811	2.811	0	%100
92	MP2C	Z	-1.623	-1.623	0	%100
93	MP3C	X	2.811	2.811	0	%100
94	MP3C	Z	-1.623	-1.623	0	%100
95	MP5C	X	2.811	2.811	0	%100
96	MP5C	Z	-1.623	-1.623	0	%100
97	MP1B	X	2.811	2.811	0	%100
98	MP1B	Z	-1.623	-1.623	0	%100
99	MP2B	X	2.811	2.811	0	%100
100	MP2B	Z	-1.623	-1.623	0	%100
101	MP3B	X	2.811	2.811	0	%100
102	MP3B	Z	-1.623	-1.623	0	%100
103	MP4B	X	2.811	2.811	0	%100
104	MP4B	Z	-1.623	-1.623	0	%100
105	MP5B	X	2.811	2.811	0	%100
106	MP5B	Z	-1.623	-1.623	0	%100
107	MP4C	X	2.811	2.811	0	%100
108	MP4C	Z	-1.623	-1.623	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
109	M318	X	2.33	2.33	0	%100
110	M318	Z	-1.345	-1.345	0	%100
111	M111	X	2.33	2.33	0	%100
112	M111	Z	-1.345	-1.345	0	%100
113	M110A	X	.791	.791	0	%100
114	M110A	Z	-.457	-.457	0	%100
115	M111A	X	3.166	3.166	0	%100
116	M111A	Z	-1.828	-1.828	0	%100
117	M112	X	.791	.791	0	%100
118	M112	Z	-.457	-.457	0	%100
119	M134	X	2.859	2.859	0	%100
120	M134	Z	-1.651	-1.651	0	%100
121	M135	X	.715	.715	0	%100
122	M135	Z	-.413	-.413	0	%100
123	M136	X	.715	.715	0	%100
124	M136	Z	-.413	-.413	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	4.139	4.139	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	2.918	2.918	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	2.918	2.918	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	5.205	5.205	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	3.963	3.963	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	5.205	5.205	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	3.963	3.963	0	%100
20	M85	Z	0	0	0	%100
21	M52A	X	1.035	1.035	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	2.534	2.534	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	2.534	2.534	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	3.97	3.97	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	2.918	2.918	0	%100
30	M58A	Z	0	0	0	%100
31	M59A	X	0	0	0	%100
32	M59A	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,...	Start Location[ft,%]	End Location[ft,%]
33	M63	X	1.301	1.301	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	3.963	3.963	0	%100
36	M64	Z	0	0	0	%100
37	M68	X	1.301	1.301	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	0	0	0	%100
40	M69	Z	0	0	0	%100
41	M76A	X	1.035	1.035	0	%100
42	M76A	Z	0	0	0	%100
43	M77A	X	2.534	2.534	0	%100
44	M77A	Z	0	0	0	%100
45	M78	X	2.534	2.534	0	%100
46	M78	Z	0	0	0	%100
47	M79A	X	3.97	3.97	0	%100
48	M79A	Z	0	0	0	%100
49	M82	X	0	0	0	%100
50	M82	Z	0	0	0	%100
51	M83A	X	2.918	2.918	0	%100
52	M83A	Z	0	0	0	%100
53	M87	X	1.301	1.301	0	%100
54	M87	Z	0	0	0	%100
55	M88A	X	0	0	0	%100
56	M88A	Z	0	0	0	%100
57	M90	X	0	0	0	%100
58	M90	Z	0	0	0	%100
59	M92A	X	1.301	1.301	0	%100
60	M92A	Z	0	0	0	%100
61	M93	X	3.963	3.963	0	%100
62	M93	Z	0	0	0	%100
63	M66	X	0	0	0	%100
64	M66	Z	0	0	0	%100
65	M68A	X	4.082	4.082	0	%100
66	M68A	Z	0	0	0	%100
67	M70A	X	4.082	4.082	0	%100
68	M70A	Z	0	0	0	%100
69	M72	X	4.082	4.082	0	%100
70	M72	Z	0	0	0	%100
71	M74A	X	4.082	4.082	0	%100
72	M74A	Z	0	0	0	%100
73	M76B	X	0	0	0	%100
74	M76B	Z	0	0	0	%100
75	M77B	X	3.075	3.075	0	%100
76	M77B	Z	0	0	0	%100
77	M78A	X	3.075	3.075	0	%100
78	M78A	Z	0	0	0	%100
79	MP1A	X	3.3	3.3	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	3.3	3.3	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	3.3	3.3	0	%100
84	MP3A	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,...	Start Location[ft,%]	End Location[ft,%]
85	MP4A	X	3.3	3.3	0	%100
86	MP4A	Z	0	0	0	%100
87	MP5A	X	3.3	3.3	0	%100
88	MP5A	Z	0	0	0	%100
89	MP1C	X	3.3	3.3	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2C	X	3.3	3.3	0	%100
92	MP2C	Z	0	0	0	%100
93	MP3C	X	3.3	3.3	0	%100
94	MP3C	Z	0	0	0	%100
95	MP5C	X	3.3	3.3	0	%100
96	MP5C	Z	0	0	0	%100
97	MP1B	X	3.3	3.3	0	%100
98	MP1B	Z	0	0	0	%100
99	MP2B	X	3.3	3.3	0	%100
100	MP2B	Z	0	0	0	%100
101	MP3B	X	3.3	3.3	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	3.3	3.3	0	%100
104	MP4B	Z	0	0	0	%100
105	MP5B	X	3.3	3.3	0	%100
106	MP5B	Z	0	0	0	%100
107	MP4C	X	3.3	3.3	0	%100
108	MP4C	Z	0	0	0	%100
109	M318	X	2.72	2.72	0	%100
110	M318	Z	0	0	0	%100
111	M111	X	2.72	2.72	0	%100
112	M111	Z	0	0	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	0	0	0	%100
115	M111A	X	2.742	2.742	0	%100
116	M111A	Z	0	0	0	%100
117	M112	X	2.742	2.742	0	%100
118	M112	Z	0	0	0	%100
119	M134	X	2.476	2.476	0	%100
120	M134	Z	0	0	0	%100
121	M135	X	2.476	2.476	0	%100
122	M135	Z	0	0	0	%100
123	M136	X	0	0	0	%100
124	M136	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	2.688	2.688	0	%100
2	M4	Z	1.552	1.552	0	%100
3	M10	X	.732	.732	0	%100
4	M10	Z	.422	.422	0	%100
5	M43	X	.732	.732	0	%100
6	M43	Z	.422	.422	0	%100
7	M46	X	1.146	1.146	0	%100
8	M46	Z	.662	.662	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
9	M51B	X	.842	.842	0	%100
10	M51B	Z	.486	.486	0	%100
11	M52B	X	3.37	3.37	0	%100
12	M52B	Z	1.946	1.946	0	%100
13	M76	X	3.381	3.381	0	%100
14	M76	Z	1.952	1.952	0	%100
15	M77	X	1.144	1.144	0	%100
16	M77	Z	.661	.661	0	%100
17	M84	X	3.381	3.381	0	%100
18	M84	Z	1.952	1.952	0	%100
19	M85	X	4.576	4.576	0	%100
20	M85	Z	2.642	2.642	0	%100
21	M52A	X	2.688	2.688	0	%100
22	M52A	Z	1.552	1.552	0	%100
23	M53	X	.732	.732	0	%100
24	M53	Z	.422	.422	0	%100
25	M54	X	.732	.732	0	%100
26	M54	Z	.422	.422	0	%100
27	M55	X	1.146	1.146	0	%100
28	M55	Z	.662	.662	0	%100
29	M58A	X	3.37	3.37	0	%100
30	M58A	Z	1.946	1.946	0	%100
31	M59A	X	.842	.842	0	%100
32	M59A	Z	.486	.486	0	%100
33	M63	X	3.381	3.381	0	%100
34	M63	Z	1.952	1.952	0	%100
35	M64	X	4.576	4.576	0	%100
36	M64	Z	2.642	2.642	0	%100
37	M68	X	3.381	3.381	0	%100
38	M68	Z	1.952	1.952	0	%100
39	M69	X	1.144	1.144	0	%100
40	M69	Z	.661	.661	0	%100
41	M76A	X	0	0	0	%100
42	M76A	Z	0	0	0	%100
43	M77A	X	2.926	2.926	0	%100
44	M77A	Z	1.689	1.689	0	%100
45	M78	X	2.926	2.926	0	%100
46	M78	Z	1.689	1.689	0	%100
47	M79A	X	4.584	4.584	0	%100
48	M79A	Z	2.647	2.647	0	%100
49	M82	X	.842	.842	0	%100
50	M82	Z	.486	.486	0	%100
51	M83A	X	.842	.842	0	%100
52	M83A	Z	.486	.486	0	%100
53	M87	X	0	0	0	%100
54	M87	Z	0	0	0	%100
55	M88A	X	1.144	1.144	0	%100
56	M88A	Z	.661	.661	0	%100
57	M90	X	1.178	1.178	0	%100
58	M90	Z	.68	.68	0	%100
59	M92A	X	0	0	0	%100
60	M92A	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,...	Start Location[ft,%]	End Location[ft,%]
61	M93	X	1.144	1.144	0	%100
62	M93	Z	.661	.661	0	%100
63	M66	X	1.178	1.178	0	%100
64	M66	Z	.68	.68	0	%100
65	M68A	X	1.178	1.178	0	%100
66	M68A	Z	.68	.68	0	%100
67	M70A	X	1.178	1.178	0	%100
68	M70A	Z	.68	.68	0	%100
69	M72	X	4.713	4.713	0	%100
70	M72	Z	2.721	2.721	0	%100
71	M74A	X	4.713	4.713	0	%100
72	M74A	Z	2.721	2.721	0	%100
73	M76B	X	.888	.888	0	%100
74	M76B	Z	.512	.512	0	%100
75	M77B	X	.888	.888	0	%100
76	M77B	Z	.512	.512	0	%100
77	M78A	X	3.551	3.551	0	%100
78	M78A	Z	2.05	2.05	0	%100
79	MP1A	X	2.811	2.811	0	%100
80	MP1A	Z	1.623	1.623	0	%100
81	MP2A	X	2.811	2.811	0	%100
82	MP2A	Z	1.623	1.623	0	%100
83	MP3A	X	2.811	2.811	0	%100
84	MP3A	Z	1.623	1.623	0	%100
85	MP4A	X	2.811	2.811	0	%100
86	MP4A	Z	1.623	1.623	0	%100
87	MP5A	X	2.811	2.811	0	%100
88	MP5A	Z	1.623	1.623	0	%100
89	MP1C	X	2.811	2.811	0	%100
90	MP1C	Z	1.623	1.623	0	%100
91	MP2C	X	2.811	2.811	0	%100
92	MP2C	Z	1.623	1.623	0	%100
93	MP3C	X	2.811	2.811	0	%100
94	MP3C	Z	1.623	1.623	0	%100
95	MP5C	X	2.811	2.811	0	%100
96	MP5C	Z	1.623	1.623	0	%100
97	MP1B	X	2.811	2.811	0	%100
98	MP1B	Z	1.623	1.623	0	%100
99	MP2B	X	2.811	2.811	0	%100
100	MP2B	Z	1.623	1.623	0	%100
101	MP3B	X	2.811	2.811	0	%100
102	MP3B	Z	1.623	1.623	0	%100
103	MP4B	X	2.811	2.811	0	%100
104	MP4B	Z	1.623	1.623	0	%100
105	MP5B	X	2.811	2.811	0	%100
106	MP5B	Z	1.623	1.623	0	%100
107	MP4C	X	2.811	2.811	0	%100
108	MP4C	Z	1.623	1.623	0	%100
109	M318	X	2.33	2.33	0	%100
110	M318	Z	1.345	1.345	0	%100
111	M111	X	2.33	2.33	0	%100
112	M111	Z	1.345	1.345	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
113	M110A	X	.791	.791	0	%100
114	M110A	Z	.457	.457	0	%100
115	M111A	X	.791	.791	0	%100
116	M111A	Z	.457	.457	0	%100
117	M112	X	3.166	3.166	0	%100
118	M112	Z	1.828	1.828	0	%100
119	M134	X	.715	.715	0	%100
120	M134	Z	.413	.413	0	%100
121	M135	X	2.859	2.859	0	%100
122	M135	Z	1.651	1.651	0	%100
123	M136	X	.715	.715	0	%100
124	M136	Z	.413	.413	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.517	.517	0	%100
2	M4	Z	.896	.896	0	%100
3	M10	X	1.267	1.267	0	%100
4	M10	Z	2.195	2.195	0	%100
5	M43	X	1.267	1.267	0	%100
6	M43	Z	2.195	2.195	0	%100
7	M46	X	1.985	1.985	0	%100
8	M46	Z	3.438	3.438	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	1.459	1.459	0	%100
12	M52B	Z	2.527	2.527	0	%100
13	M76	X	.651	.651	0	%100
14	M76	Z	1.127	1.127	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	.651	.651	0	%100
18	M84	Z	1.127	1.127	0	%100
19	M85	X	1.982	1.982	0	%100
20	M85	Z	3.432	3.432	0	%100
21	M52A	X	2.069	2.069	0	%100
22	M52A	Z	3.584	3.584	0	%100
23	M53	X	0	0	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	0	0	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	0	0	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	1.459	1.459	0	%100
30	M58A	Z	2.527	2.527	0	%100
31	M59A	X	1.459	1.459	0	%100
32	M59A	Z	2.527	2.527	0	%100
33	M63	X	2.603	2.603	0	%100
34	M63	Z	4.508	4.508	0	%100
35	M64	X	1.982	1.982	0	%100
36	M64	Z	3.432	3.432	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
37	M68	X	2.603	2.603	0	%100
38	M68	Z	4.508	4.508	0	%100
39	M69	X	1.982	1.982	0	%100
40	M69	Z	3.432	3.432	0	%100
41	M76A	X	.517	.517	0	%100
42	M76A	Z	.896	.896	0	%100
43	M77A	X	1.267	1.267	0	%100
44	M77A	Z	2.195	2.195	0	%100
45	M78	X	1.267	1.267	0	%100
46	M78	Z	2.195	2.195	0	%100
47	M79A	X	1.985	1.985	0	%100
48	M79A	Z	3.438	3.438	0	%100
49	M82	X	1.459	1.459	0	%100
50	M82	Z	2.527	2.527	0	%100
51	M83A	X	0	0	0	%100
52	M83A	Z	0	0	0	%100
53	M87	X	.651	.651	0	%100
54	M87	Z	1.127	1.127	0	%100
55	M88A	X	1.982	1.982	0	%100
56	M88A	Z	3.432	3.432	0	%100
57	M90	X	2.041	2.041	0	%100
58	M90	Z	3.535	3.535	0	%100
59	M92A	X	.651	.651	0	%100
60	M92A	Z	1.127	1.127	0	%100
61	M93	X	0	0	0	%100
62	M93	Z	0	0	0	%100
63	M66	X	2.041	2.041	0	%100
64	M66	Z	3.535	3.535	0	%100
65	M68A	X	0	0	0	%100
66	M68A	Z	0	0	0	%100
67	M70A	X	0	0	0	%100
68	M70A	Z	0	0	0	%100
69	M72	X	2.041	2.041	0	%100
70	M72	Z	3.535	3.535	0	%100
71	M74A	X	2.041	2.041	0	%100
72	M74A	Z	3.535	3.535	0	%100
73	M76B	X	1.537	1.537	0	%100
74	M76B	Z	2.663	2.663	0	%100
75	M77B	X	0	0	0	%100
76	M77B	Z	0	0	0	%100
77	M78A	X	1.537	1.537	0	%100
78	M78A	Z	2.663	2.663	0	%100
79	MP1A	X	1.568	1.568	0	%100
80	MP1A	Z	2.716	2.716	0	%100
81	MP2A	X	1.568	1.568	0	%100
82	MP2A	Z	2.716	2.716	0	%100
83	MP3A	X	1.568	1.568	0	%100
84	MP3A	Z	2.716	2.716	0	%100
85	MP4A	X	1.568	1.568	0	%100
86	MP4A	Z	2.716	2.716	0	%100
87	MP5A	X	1.568	1.568	0	%100
88	MP5A	Z	2.716	2.716	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
89	MP1C	X	1.568	1.568	0	%100
90	MP1C	Z	2.716	2.716	0	%100
91	MP2C	X	1.568	1.568	0	%100
92	MP2C	Z	2.716	2.716	0	%100
93	MP3C	X	1.568	1.568	0	%100
94	MP3C	Z	2.716	2.716	0	%100
95	MP5C	X	1.568	1.568	0	%100
96	MP5C	Z	2.716	2.716	0	%100
97	MP1B	X	1.568	1.568	0	%100
98	MP1B	Z	2.716	2.716	0	%100
99	MP2B	X	1.568	1.568	0	%100
100	MP2B	Z	2.716	2.716	0	%100
101	MP3B	X	1.568	1.568	0	%100
102	MP3B	Z	2.716	2.716	0	%100
103	MP4B	X	1.568	1.568	0	%100
104	MP4B	Z	2.716	2.716	0	%100
105	MP5B	X	1.568	1.568	0	%100
106	MP5B	Z	2.716	2.716	0	%100
107	MP4C	X	1.568	1.568	0	%100
108	MP4C	Z	2.716	2.716	0	%100
109	M318	X	1.316	1.316	0	%100
110	M318	Z	2.279	2.279	0	%100
111	M111	X	1.316	1.316	0	%100
112	M111	Z	2.279	2.279	0	%100
113	M110A	X	1.371	1.371	0	%100
114	M110A	Z	2.374	2.374	0	%100
115	M111A	X	0	0	0	%100
116	M111A	Z	0	0	0	%100
117	M112	X	1.371	1.371	0	%100
118	M112	Z	2.374	2.374	0	%100
119	M134	X	0	0	0	%100
120	M134	Z	0	0	0	%100
121	M135	X	1.238	1.238	0	%100
122	M135	Z	2.144	2.144	0	%100
123	M136	X	1.238	1.238	0	%100
124	M136	Z	2.144	2.144	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	3.379	3.379	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	3.379	3.379	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	5.293	5.293	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	.973	.973	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	.973	.973	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	1.321	1.321	0	%100
17	M84	X	0	0	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	0	0	0	%100
20	M85	Z	1.321	1.321	0	%100
21	M52A	X	0	0	0	%100
22	M52A	Z	3.104	3.104	0	%100
23	M53	X	0	0	0	%100
24	M53	Z	.845	.845	0	%100
25	M54	X	0	0	0	%100
26	M54	Z	.845	.845	0	%100
27	M55	X	0	0	0	%100
28	M55	Z	1.323	1.323	0	%100
29	M58A	X	0	0	0	%100
30	M58A	Z	.973	.973	0	%100
31	M59A	X	0	0	0	%100
32	M59A	Z	3.891	3.891	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	3.904	3.904	0	%100
35	M64	X	0	0	0	%100
36	M64	Z	1.321	1.321	0	%100
37	M68	X	0	0	0	%100
38	M68	Z	3.904	3.904	0	%100
39	M69	X	0	0	0	%100
40	M69	Z	5.284	5.284	0	%100
41	M76A	X	0	0	0	%100
42	M76A	Z	3.104	3.104	0	%100
43	M77A	X	0	0	0	%100
44	M77A	Z	.845	.845	0	%100
45	M78	X	0	0	0	%100
46	M78	Z	.845	.845	0	%100
47	M79A	X	0	0	0	%100
48	M79A	Z	1.323	1.323	0	%100
49	M82	X	0	0	0	%100
50	M82	Z	3.891	3.891	0	%100
51	M83A	X	0	0	0	%100
52	M83A	Z	.973	.973	0	%100
53	M87	X	0	0	0	%100
54	M87	Z	3.904	3.904	0	%100
55	M88A	X	0	0	0	%100
56	M88A	Z	5.284	5.284	0	%100
57	M90	X	0	0	0	%100
58	M90	Z	5.442	5.442	0	%100
59	M92A	X	0	0	0	%100
60	M92A	Z	3.904	3.904	0	%100
61	M93	X	0	0	0	%100
62	M93	Z	1.321	1.321	0	%100
63	M66	X	0	0	0	%100
64	M66	Z	5.442	5.442	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
65	M68A	X	0	0	0	%100
66	M68A	Z	1.361	1.361	0	%100
67	M70A	X	0	0	0	%100
68	M70A	Z	1.361	1.361	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	1.361	1.361	0	%100
71	M74A	X	0	0	0	%100
72	M74A	Z	1.361	1.361	0	%100
73	M76B	X	0	0	0	%100
74	M76B	Z	4.1	4.1	0	%100
75	M77B	X	0	0	0	%100
76	M77B	Z	1.025	1.025	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	1.025	1.025	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	3.081	3.081	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	3.081	3.081	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	3.081	3.081	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	3.081	3.081	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	3.081	3.081	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	3.081	3.081	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	3.081	3.081	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	3.081	3.081	0	%100
95	MP5C	X	0	0	0	%100
96	MP5C	Z	3.081	3.081	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	3.081	3.081	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	3.081	3.081	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	3.081	3.081	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	3.081	3.081	0	%100
105	MP5B	X	0	0	0	%100
106	MP5B	Z	3.081	3.081	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	3.081	3.081	0	%100
109	M318	X	0	0	0	%100
110	M318	Z	2.602	2.602	0	%100
111	M111	X	0	0	0	%100
112	M111	Z	2.602	2.602	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	3.656	3.656	0	%100
115	M111A	X	0	0	0	%100
116	M111A	Z	.914	.914	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
117	M112	X	0	0	0	%100
118	M112	Z	.914	.914	0	%100
119	M134	X	0	0	0	%100
120	M134	Z	.825	.825	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	.825	.825	0	%100
123	M136	X	0	0	0	%100
124	M136	Z	3.301	3.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.517	-.517	0	%100
2	M4	Z	.896	.896	0	%100
3	M10	X	-1.267	-1.267	0	%100
4	M10	Z	2.195	2.195	0	%100
5	M43	X	-1.267	-1.267	0	%100
6	M43	Z	2.195	2.195	0	%100
7	M46	X	-1.985	-1.985	0	%100
8	M46	Z	3.438	3.438	0	%100
9	M51B	X	-1.459	-1.459	0	%100
10	M51B	Z	2.527	2.527	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-.651	-.651	0	%100
14	M76	Z	1.127	1.127	0	%100
15	M77	X	-1.982	-1.982	0	%100
16	M77	Z	3.432	3.432	0	%100
17	M84	X	-.651	-.651	0	%100
18	M84	Z	1.127	1.127	0	%100
19	M85	X	0	0	0	%100
20	M85	Z	0	0	0	%100
21	M52A	X	-.517	-.517	0	%100
22	M52A	Z	.896	.896	0	%100
23	M53	X	-1.267	-1.267	0	%100
24	M53	Z	2.195	2.195	0	%100
25	M54	X	-1.267	-1.267	0	%100
26	M54	Z	2.195	2.195	0	%100
27	M55	X	-1.985	-1.985	0	%100
28	M55	Z	3.438	3.438	0	%100
29	M58A	X	0	0	0	%100
30	M58A	Z	0	0	0	%100
31	M59A	X	-1.459	-1.459	0	%100
32	M59A	Z	2.527	2.527	0	%100
33	M63	X	-.651	-.651	0	%100
34	M63	Z	1.127	1.127	0	%100
35	M64	X	0	0	0	%100
36	M64	Z	0	0	0	%100
37	M68	X	-.651	-.651	0	%100
38	M68	Z	1.127	1.127	0	%100
39	M69	X	-1.982	-1.982	0	%100
40	M69	Z	3.432	3.432	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
41	M76A	X	-2.069	-2.069	0	%100
42	M76A	Z	3.584	3.584	0	%100
43	M77A	X	0	0	0	%100
44	M77A	Z	0	0	0	%100
45	M78	X	0	0	0	%100
46	M78	Z	0	0	0	%100
47	M79A	X	0	0	0	%100
48	M79A	Z	0	0	0	%100
49	M82	X	-1.459	-1.459	0	%100
50	M82	Z	2.527	2.527	0	%100
51	M83A	X	-1.459	-1.459	0	%100
52	M83A	Z	2.527	2.527	0	%100
53	M87	X	-2.603	-2.603	0	%100
54	M87	Z	4.508	4.508	0	%100
55	M88A	X	-1.982	-1.982	0	%100
56	M88A	Z	3.432	3.432	0	%100
57	M90	X	-2.041	-2.041	0	%100
58	M90	Z	3.535	3.535	0	%100
59	M92A	X	-2.603	-2.603	0	%100
60	M92A	Z	4.508	4.508	0	%100
61	M93	X	-1.982	-1.982	0	%100
62	M93	Z	3.432	3.432	0	%100
63	M66	X	-2.041	-2.041	0	%100
64	M66	Z	3.535	3.535	0	%100
65	M68A	X	-2.041	-2.041	0	%100
66	M68A	Z	3.535	3.535	0	%100
67	M70A	X	-2.041	-2.041	0	%100
68	M70A	Z	3.535	3.535	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74A	X	0	0	0	%100
72	M74A	Z	0	0	0	%100
73	M76B	X	-1.537	-1.537	0	%100
74	M76B	Z	2.663	2.663	0	%100
75	M77B	X	-1.537	-1.537	0	%100
76	M77B	Z	2.663	2.663	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	0	0	0	%100
79	MP1A	X	-1.568	-1.568	0	%100
80	MP1A	Z	2.716	2.716	0	%100
81	MP2A	X	-1.568	-1.568	0	%100
82	MP2A	Z	2.716	2.716	0	%100
83	MP3A	X	-1.568	-1.568	0	%100
84	MP3A	Z	2.716	2.716	0	%100
85	MP4A	X	-1.568	-1.568	0	%100
86	MP4A	Z	2.716	2.716	0	%100
87	MP5A	X	-1.568	-1.568	0	%100
88	MP5A	Z	2.716	2.716	0	%100
89	MP1C	X	-1.568	-1.568	0	%100
90	MP1C	Z	2.716	2.716	0	%100
91	MP2C	X	-1.568	-1.568	0	%100
92	MP2C	Z	2.716	2.716	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
93	MP3C	X	-1.568	-1.568	0	%100
94	MP3C	Z	2.716	2.716	0	%100
95	MP5C	X	-1.568	-1.568	0	%100
96	MP5C	Z	2.716	2.716	0	%100
97	MP1B	X	-1.568	-1.568	0	%100
98	MP1B	Z	2.716	2.716	0	%100
99	MP2B	X	-1.568	-1.568	0	%100
100	MP2B	Z	2.716	2.716	0	%100
101	MP3B	X	-1.568	-1.568	0	%100
102	MP3B	Z	2.716	2.716	0	%100
103	MP4B	X	-1.568	-1.568	0	%100
104	MP4B	Z	2.716	2.716	0	%100
105	MP5B	X	-1.568	-1.568	0	%100
106	MP5B	Z	2.716	2.716	0	%100
107	MP4C	X	-1.568	-1.568	0	%100
108	MP4C	Z	2.716	2.716	0	%100
109	M318	X	-1.316	-1.316	0	%100
110	M318	Z	2.279	2.279	0	%100
111	M111	X	-1.316	-1.316	0	%100
112	M111	Z	2.279	2.279	0	%100
113	M110A	X	-1.371	-1.371	0	%100
114	M110A	Z	2.374	2.374	0	%100
115	M111A	X	-1.371	-1.371	0	%100
116	M111A	Z	2.374	2.374	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	0	0	0	%100
119	M134	X	-1.238	-1.238	0	%100
120	M134	Z	2.144	2.144	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	0	0	0	%100
123	M136	X	-1.238	-1.238	0	%100
124	M136	Z	2.144	2.144	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-2.688	-2.688	0	%100
2	M4	Z	1.552	1.552	0	%100
3	M10	X	-.732	-.732	0	%100
4	M10	Z	.422	.422	0	%100
5	M43	X	-.732	-.732	0	%100
6	M43	Z	.422	.422	0	%100
7	M46	X	-1.146	-1.146	0	%100
8	M46	Z	.662	.662	0	%100
9	M51B	X	-3.37	-3.37	0	%100
10	M51B	Z	1.946	1.946	0	%100
11	M52B	X	-.842	-.842	0	%100
12	M52B	Z	.486	.486	0	%100
13	M76	X	-3.381	-3.381	0	%100
14	M76	Z	1.952	1.952	0	%100
15	M77	X	-4.576	-4.576	0	%100
16	M77	Z	2.642	2.642	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
17	M84	X	-3.381	-3.381	0	%100
18	M84	Z	1.952	1.952	0	%100
19	M85	X	-1.144	-1.144	0	%100
20	M85	Z	.661	.661	0	%100
21	M52A	X	0	0	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	-2.926	-2.926	0	%100
24	M53	Z	1.689	1.689	0	%100
25	M54	X	-2.926	-2.926	0	%100
26	M54	Z	1.689	1.689	0	%100
27	M55	X	-4.584	-4.584	0	%100
28	M55	Z	2.647	2.647	0	%100
29	M58A	X	-.842	-.842	0	%100
30	M58A	Z	.486	.486	0	%100
31	M59A	X	-.842	-.842	0	%100
32	M59A	Z	.486	.486	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	-1.144	-1.144	0	%100
36	M64	Z	.661	.661	0	%100
37	M68	X	0	0	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	-1.144	-1.144	0	%100
40	M69	Z	.661	.661	0	%100
41	M76A	X	-2.688	-2.688	0	%100
42	M76A	Z	1.552	1.552	0	%100
43	M77A	X	-.732	-.732	0	%100
44	M77A	Z	.422	.422	0	%100
45	M78	X	-.732	-.732	0	%100
46	M78	Z	.422	.422	0	%100
47	M79A	X	-1.146	-1.146	0	%100
48	M79A	Z	.662	.662	0	%100
49	M82	X	-.842	-.842	0	%100
50	M82	Z	.486	.486	0	%100
51	M83A	X	-3.37	-3.37	0	%100
52	M83A	Z	1.946	1.946	0	%100
53	M87	X	-3.381	-3.381	0	%100
54	M87	Z	1.952	1.952	0	%100
55	M88A	X	-1.144	-1.144	0	%100
56	M88A	Z	.661	.661	0	%100
57	M90	X	-1.178	-1.178	0	%100
58	M90	Z	.68	.68	0	%100
59	M92A	X	-3.381	-3.381	0	%100
60	M92A	Z	1.952	1.952	0	%100
61	M93	X	-4.576	-4.576	0	%100
62	M93	Z	2.642	2.642	0	%100
63	M66	X	-1.178	-1.178	0	%100
64	M66	Z	.68	.68	0	%100
65	M68A	X	-4.713	-4.713	0	%100
66	M68A	Z	2.721	2.721	0	%100
67	M70A	X	-4.713	-4.713	0	%100
68	M70A	Z	2.721	2.721	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
69	M72	X	-1.178	-1.178	0	%100
70	M72	Z	.68	.68	0	%100
71	M74A	X	-1.178	-1.178	0	%100
72	M74A	Z	.68	.68	0	%100
73	M76B	X	-.888	-.888	0	%100
74	M76B	Z	.512	.512	0	%100
75	M77B	X	-3.551	-3.551	0	%100
76	M77B	Z	2.05	2.05	0	%100
77	M78A	X	-.888	-.888	0	%100
78	M78A	Z	.512	.512	0	%100
79	MP1A	X	-2.811	-2.811	0	%100
80	MP1A	Z	1.623	1.623	0	%100
81	MP2A	X	-2.811	-2.811	0	%100
82	MP2A	Z	1.623	1.623	0	%100
83	MP3A	X	-2.811	-2.811	0	%100
84	MP3A	Z	1.623	1.623	0	%100
85	MP4A	X	-2.811	-2.811	0	%100
86	MP4A	Z	1.623	1.623	0	%100
87	MP5A	X	-2.811	-2.811	0	%100
88	MP5A	Z	1.623	1.623	0	%100
89	MP1C	X	-2.811	-2.811	0	%100
90	MP1C	Z	1.623	1.623	0	%100
91	MP2C	X	-2.811	-2.811	0	%100
92	MP2C	Z	1.623	1.623	0	%100
93	MP3C	X	-2.811	-2.811	0	%100
94	MP3C	Z	1.623	1.623	0	%100
95	MP5C	X	-2.811	-2.811	0	%100
96	MP5C	Z	1.623	1.623	0	%100
97	MP1B	X	-2.811	-2.811	0	%100
98	MP1B	Z	1.623	1.623	0	%100
99	MP2B	X	-2.811	-2.811	0	%100
100	MP2B	Z	1.623	1.623	0	%100
101	MP3B	X	-2.811	-2.811	0	%100
102	MP3B	Z	1.623	1.623	0	%100
103	MP4B	X	-2.811	-2.811	0	%100
104	MP4B	Z	1.623	1.623	0	%100
105	MP5B	X	-2.811	-2.811	0	%100
106	MP5B	Z	1.623	1.623	0	%100
107	MP4C	X	-2.811	-2.811	0	%100
108	MP4C	Z	1.623	1.623	0	%100
109	M318	X	-2.33	-2.33	0	%100
110	M318	Z	1.345	1.345	0	%100
111	M111	X	-2.33	-2.33	0	%100
112	M111	Z	1.345	1.345	0	%100
113	M110A	X	-.791	-.791	0	%100
114	M110A	Z	.457	.457	0	%100
115	M111A	X	-3.166	-3.166	0	%100
116	M111A	Z	1.828	1.828	0	%100
117	M112	X	-.791	-.791	0	%100
118	M112	Z	.457	.457	0	%100
119	M134	X	-2.859	-2.859	0	%100
120	M134	Z	1.651	1.651	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
121	M135	X	-.715	-.715	0	%100
122	M135	Z	.413	.413	0	%100
123	M136	X	-.715	-.715	0	%100
124	M136	Z	.413	.413	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-4.139	-4.139	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-2.918	-2.918	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-2.918	-2.918	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-5.205	-5.205	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-3.963	-3.963	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	-5.205	-5.205	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	-3.963	-3.963	0	%100
20	M85	Z	0	0	0	%100
21	M52A	X	-1.035	-1.035	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	-2.534	-2.534	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	-2.534	-2.534	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	-3.97	-3.97	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	-2.918	-2.918	0	%100
30	M58A	Z	0	0	0	%100
31	M59A	X	0	0	0	%100
32	M59A	Z	0	0	0	%100
33	M63	X	-1.301	-1.301	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	-3.963	-3.963	0	%100
36	M64	Z	0	0	0	%100
37	M68	X	-1.301	-1.301	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	0	0	0	%100
40	M69	Z	0	0	0	%100
41	M76A	X	-1.035	-1.035	0	%100
42	M76A	Z	0	0	0	%100
43	M77A	X	-2.534	-2.534	0	%100
44	M77A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
45	M78	X	-2.534	-2.534	0	%100
46	M78	Z	0	0	0	%100
47	M79A	X	-3.97	-3.97	0	%100
48	M79A	Z	0	0	0	%100
49	M82	X	0	0	0	%100
50	M82	Z	0	0	0	%100
51	M83A	X	-2.918	-2.918	0	%100
52	M83A	Z	0	0	0	%100
53	M87	X	-1.301	-1.301	0	%100
54	M87	Z	0	0	0	%100
55	M88A	X	0	0	0	%100
56	M88A	Z	0	0	0	%100
57	M90	X	0	0	0	%100
58	M90	Z	0	0	0	%100
59	M92A	X	-1.301	-1.301	0	%100
60	M92A	Z	0	0	0	%100
61	M93	X	-3.963	-3.963	0	%100
62	M93	Z	0	0	0	%100
63	M66	X	0	0	0	%100
64	M66	Z	0	0	0	%100
65	M68A	X	-4.082	-4.082	0	%100
66	M68A	Z	0	0	0	%100
67	M70A	X	-4.082	-4.082	0	%100
68	M70A	Z	0	0	0	%100
69	M72	X	-4.082	-4.082	0	%100
70	M72	Z	0	0	0	%100
71	M74A	X	-4.082	-4.082	0	%100
72	M74A	Z	0	0	0	%100
73	M76B	X	0	0	0	%100
74	M76B	Z	0	0	0	%100
75	M77B	X	-3.075	-3.075	0	%100
76	M77B	Z	0	0	0	%100
77	M78A	X	-3.075	-3.075	0	%100
78	M78A	Z	0	0	0	%100
79	MP1A	X	-3.3	-3.3	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-3.3	-3.3	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-3.3	-3.3	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-3.3	-3.3	0	%100
86	MP4A	Z	0	0	0	%100
87	MP5A	X	-3.3	-3.3	0	%100
88	MP5A	Z	0	0	0	%100
89	MP1C	X	-3.3	-3.3	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2C	X	-3.3	-3.3	0	%100
92	MP2C	Z	0	0	0	%100
93	MP3C	X	-3.3	-3.3	0	%100
94	MP3C	Z	0	0	0	%100
95	MP5C	X	-3.3	-3.3	0	%100
96	MP5C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
97	MP1B	X	-3.3	-3.3	0	%100
98	MP1B	Z	0	0	0	%100
99	MP2B	X	-3.3	-3.3	0	%100
100	MP2B	Z	0	0	0	%100
101	MP3B	X	-3.3	-3.3	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	-3.3	-3.3	0	%100
104	MP4B	Z	0	0	0	%100
105	MP5B	X	-3.3	-3.3	0	%100
106	MP5B	Z	0	0	0	%100
107	MP4C	X	-3.3	-3.3	0	%100
108	MP4C	Z	0	0	0	%100
109	M318	X	-2.72	-2.72	0	%100
110	M318	Z	0	0	0	%100
111	M111	X	-2.72	-2.72	0	%100
112	M111	Z	0	0	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	0	0	0	%100
115	M111A	X	-2.742	-2.742	0	%100
116	M111A	Z	0	0	0	%100
117	M112	X	-2.742	-2.742	0	%100
118	M112	Z	0	0	0	%100
119	M134	X	-2.476	-2.476	0	%100
120	M134	Z	0	0	0	%100
121	M135	X	-2.476	-2.476	0	%100
122	M135	Z	0	0	0	%100
123	M136	X	0	0	0	%100
124	M136	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-2.688	-2.688	0	%100
2	M4	Z	-1.552	-1.552	0	%100
3	M10	X	-.732	-.732	0	%100
4	M10	Z	-.422	-.422	0	%100
5	M43	X	-.732	-.732	0	%100
6	M43	Z	-.422	-.422	0	%100
7	M46	X	-1.146	-1.146	0	%100
8	M46	Z	-.662	-.662	0	%100
9	M51B	X	-.842	-.842	0	%100
10	M51B	Z	-.486	-.486	0	%100
11	M52B	X	-3.37	-3.37	0	%100
12	M52B	Z	-1.946	-1.946	0	%100
13	M76	X	-3.381	-3.381	0	%100
14	M76	Z	-1.952	-1.952	0	%100
15	M77	X	-1.144	-1.144	0	%100
16	M77	Z	-.661	-.661	0	%100
17	M84	X	-3.381	-3.381	0	%100
18	M84	Z	-1.952	-1.952	0	%100
19	M85	X	-4.576	-4.576	0	%100
20	M85	Z	-2.642	-2.642	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
21	M52A	X	-2.688	-2.688	0	%100
22	M52A	Z	-1.552	-1.552	0	%100
23	M53	X	-.732	-.732	0	%100
24	M53	Z	-.422	-.422	0	%100
25	M54	X	-.732	-.732	0	%100
26	M54	Z	-.422	-.422	0	%100
27	M55	X	-1.146	-1.146	0	%100
28	M55	Z	-.662	-.662	0	%100
29	M58A	X	-3.37	-3.37	0	%100
30	M58A	Z	-1.946	-1.946	0	%100
31	M59A	X	-.842	-.842	0	%100
32	M59A	Z	-.486	-.486	0	%100
33	M63	X	-3.381	-3.381	0	%100
34	M63	Z	-1.952	-1.952	0	%100
35	M64	X	-4.576	-4.576	0	%100
36	M64	Z	-2.642	-2.642	0	%100
37	M68	X	-3.381	-3.381	0	%100
38	M68	Z	-1.952	-1.952	0	%100
39	M69	X	-1.144	-1.144	0	%100
40	M69	Z	-.661	-.661	0	%100
41	M76A	X	0	0	0	%100
42	M76A	Z	0	0	0	%100
43	M77A	X	-2.926	-2.926	0	%100
44	M77A	Z	-1.689	-1.689	0	%100
45	M78	X	-2.926	-2.926	0	%100
46	M78	Z	-1.689	-1.689	0	%100
47	M79A	X	-4.584	-4.584	0	%100
48	M79A	Z	-2.647	-2.647	0	%100
49	M82	X	-.842	-.842	0	%100
50	M82	Z	-.486	-.486	0	%100
51	M83A	X	-.842	-.842	0	%100
52	M83A	Z	-.486	-.486	0	%100
53	M87	X	0	0	0	%100
54	M87	Z	0	0	0	%100
55	M88A	X	-1.144	-1.144	0	%100
56	M88A	Z	-.661	-.661	0	%100
57	M90	X	-1.178	-1.178	0	%100
58	M90	Z	-.68	-.68	0	%100
59	M92A	X	0	0	0	%100
60	M92A	Z	0	0	0	%100
61	M93	X	-1.144	-1.144	0	%100
62	M93	Z	-.661	-.661	0	%100
63	M66	X	-1.178	-1.178	0	%100
64	M66	Z	-.68	-.68	0	%100
65	M68A	X	-1.178	-1.178	0	%100
66	M68A	Z	-.68	-.68	0	%100
67	M70A	X	-1.178	-1.178	0	%100
68	M70A	Z	-.68	-.68	0	%100
69	M72	X	-4.713	-4.713	0	%100
70	M72	Z	-2.721	-2.721	0	%100
71	M74A	X	-4.713	-4.713	0	%100
72	M74A	Z	-2.721	-2.721	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
73	M76B	X	-.888	-.888	0	%100
74	M76B	Z	-.512	-.512	0	%100
75	M77B	X	-.888	-.888	0	%100
76	M77B	Z	-.512	-.512	0	%100
77	M78A	X	-3.551	-3.551	0	%100
78	M78A	Z	-2.05	-2.05	0	%100
79	MP1A	X	-2.811	-2.811	0	%100
80	MP1A	Z	-1.623	-1.623	0	%100
81	MP2A	X	-2.811	-2.811	0	%100
82	MP2A	Z	-1.623	-1.623	0	%100
83	MP3A	X	-2.811	-2.811	0	%100
84	MP3A	Z	-1.623	-1.623	0	%100
85	MP4A	X	-2.811	-2.811	0	%100
86	MP4A	Z	-1.623	-1.623	0	%100
87	MP5A	X	-2.811	-2.811	0	%100
88	MP5A	Z	-1.623	-1.623	0	%100
89	MP1C	X	-2.811	-2.811	0	%100
90	MP1C	Z	-1.623	-1.623	0	%100
91	MP2C	X	-2.811	-2.811	0	%100
92	MP2C	Z	-1.623	-1.623	0	%100
93	MP3C	X	-2.811	-2.811	0	%100
94	MP3C	Z	-1.623	-1.623	0	%100
95	MP5C	X	-2.811	-2.811	0	%100
96	MP5C	Z	-1.623	-1.623	0	%100
97	MP1B	X	-2.811	-2.811	0	%100
98	MP1B	Z	-1.623	-1.623	0	%100
99	MP2B	X	-2.811	-2.811	0	%100
100	MP2B	Z	-1.623	-1.623	0	%100
101	MP3B	X	-2.811	-2.811	0	%100
102	MP3B	Z	-1.623	-1.623	0	%100
103	MP4B	X	-2.811	-2.811	0	%100
104	MP4B	Z	-1.623	-1.623	0	%100
105	MP5B	X	-2.811	-2.811	0	%100
106	MP5B	Z	-1.623	-1.623	0	%100
107	MP4C	X	-2.811	-2.811	0	%100
108	MP4C	Z	-1.623	-1.623	0	%100
109	M318	X	-2.33	-2.33	0	%100
110	M318	Z	-1.345	-1.345	0	%100
111	M111	X	-2.33	-2.33	0	%100
112	M111	Z	-1.345	-1.345	0	%100
113	M110A	X	-.791	-.791	0	%100
114	M110A	Z	-.457	-.457	0	%100
115	M111A	X	-.791	-.791	0	%100
116	M111A	Z	-.457	-.457	0	%100
117	M112	X	-3.166	-3.166	0	%100
118	M112	Z	-1.828	-1.828	0	%100
119	M134	X	-.715	-.715	0	%100
120	M134	Z	-.413	-.413	0	%100
121	M135	X	-2.859	-2.859	0	%100
122	M135	Z	-1.651	-1.651	0	%100
123	M136	X	-.715	-.715	0	%100
124	M136	Z	-.413	-.413	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.517	-.517	0	%100
2	M4	Z	-.896	-.896	0	%100
3	M10	X	-1.267	-1.267	0	%100
4	M10	Z	-2.195	-2.195	0	%100
5	M43	X	-1.267	-1.267	0	%100
6	M43	Z	-2.195	-2.195	0	%100
7	M46	X	-1.985	-1.985	0	%100
8	M46	Z	-3.438	-3.438	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-1.459	-1.459	0	%100
12	M52B	Z	-2.527	-2.527	0	%100
13	M76	X	-.651	-.651	0	%100
14	M76	Z	-1.127	-1.127	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	-.651	-.651	0	%100
18	M84	Z	-1.127	-1.127	0	%100
19	M85	X	-1.982	-1.982	0	%100
20	M85	Z	-3.432	-3.432	0	%100
21	M52A	X	-2.069	-2.069	0	%100
22	M52A	Z	-3.584	-3.584	0	%100
23	M53	X	0	0	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	0	0	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	0	0	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	-1.459	-1.459	0	%100
30	M58A	Z	-2.527	-2.527	0	%100
31	M59A	X	-1.459	-1.459	0	%100
32	M59A	Z	-2.527	-2.527	0	%100
33	M63	X	-2.603	-2.603	0	%100
34	M63	Z	-4.508	-4.508	0	%100
35	M64	X	-1.982	-1.982	0	%100
36	M64	Z	-3.432	-3.432	0	%100
37	M68	X	-2.603	-2.603	0	%100
38	M68	Z	-4.508	-4.508	0	%100
39	M69	X	-1.982	-1.982	0	%100
40	M69	Z	-3.432	-3.432	0	%100
41	M76A	X	-.517	-.517	0	%100
42	M76A	Z	-.896	-.896	0	%100
43	M77A	X	-1.267	-1.267	0	%100
44	M77A	Z	-2.195	-2.195	0	%100
45	M78	X	-1.267	-1.267	0	%100
46	M78	Z	-2.195	-2.195	0	%100
47	M79A	X	-1.985	-1.985	0	%100
48	M79A	Z	-3.438	-3.438	0	%100
49	M82	X	-1.459	-1.459	0	%100
50	M82	Z	-2.527	-2.527	0	%100
51	M83A	X	0	0	0	%100
52	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,...	Start Location[ft,%]	End Location[ft,%]
53	M87	X	-.651	-.651	0	%100
54	M87	Z	-1.127	-1.127	0	%100
55	M88A	X	-1.982	-1.982	0	%100
56	M88A	Z	-3.432	-3.432	0	%100
57	M90	X	-2.041	-2.041	0	%100
58	M90	Z	-3.535	-3.535	0	%100
59	M92A	X	-.651	-.651	0	%100
60	M92A	Z	-1.127	-1.127	0	%100
61	M93	X	0	0	0	%100
62	M93	Z	0	0	0	%100
63	M66	X	-2.041	-2.041	0	%100
64	M66	Z	-3.535	-3.535	0	%100
65	M68A	X	0	0	0	%100
66	M68A	Z	0	0	0	%100
67	M70A	X	0	0	0	%100
68	M70A	Z	0	0	0	%100
69	M72	X	-2.041	-2.041	0	%100
70	M72	Z	-3.535	-3.535	0	%100
71	M74A	X	-2.041	-2.041	0	%100
72	M74A	Z	-3.535	-3.535	0	%100
73	M76B	X	-1.537	-1.537	0	%100
74	M76B	Z	-2.663	-2.663	0	%100
75	M77B	X	0	0	0	%100
76	M77B	Z	0	0	0	%100
77	M78A	X	-1.537	-1.537	0	%100
78	M78A	Z	-2.663	-2.663	0	%100
79	MP1A	X	-1.568	-1.568	0	%100
80	MP1A	Z	-2.716	-2.716	0	%100
81	MP2A	X	-1.568	-1.568	0	%100
82	MP2A	Z	-2.716	-2.716	0	%100
83	MP3A	X	-1.568	-1.568	0	%100
84	MP3A	Z	-2.716	-2.716	0	%100
85	MP4A	X	-1.568	-1.568	0	%100
86	MP4A	Z	-2.716	-2.716	0	%100
87	MP5A	X	-1.568	-1.568	0	%100
88	MP5A	Z	-2.716	-2.716	0	%100
89	MP1C	X	-1.568	-1.568	0	%100
90	MP1C	Z	-2.716	-2.716	0	%100
91	MP2C	X	-1.568	-1.568	0	%100
92	MP2C	Z	-2.716	-2.716	0	%100
93	MP3C	X	-1.568	-1.568	0	%100
94	MP3C	Z	-2.716	-2.716	0	%100
95	MP5C	X	-1.568	-1.568	0	%100
96	MP5C	Z	-2.716	-2.716	0	%100
97	MP1B	X	-1.568	-1.568	0	%100
98	MP1B	Z	-2.716	-2.716	0	%100
99	MP2B	X	-1.568	-1.568	0	%100
100	MP2B	Z	-2.716	-2.716	0	%100
101	MP3B	X	-1.568	-1.568	0	%100
102	MP3B	Z	-2.716	-2.716	0	%100
103	MP4B	X	-1.568	-1.568	0	%100
104	MP4B	Z	-2.716	-2.716	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
105	MP5B	X	-1.568	-1.568	0	%100
106	MP5B	Z	-2.716	-2.716	0	%100
107	MP4C	X	-1.568	-1.568	0	%100
108	MP4C	Z	-2.716	-2.716	0	%100
109	M318	X	-1.316	-1.316	0	%100
110	M318	Z	-2.279	-2.279	0	%100
111	M111	X	-1.316	-1.316	0	%100
112	M111	Z	-2.279	-2.279	0	%100
113	M110A	X	-1.371	-1.371	0	%100
114	M110A	Z	-2.374	-2.374	0	%100
115	M111A	X	0	0	0	%100
116	M111A	Z	0	0	0	%100
117	M112	X	-1.371	-1.371	0	%100
118	M112	Z	-2.374	-2.374	0	%100
119	M134	X	0	0	0	%100
120	M134	Z	0	0	0	%100
121	M135	X	-1.238	-1.238	0	%100
122	M135	Z	-2.144	-2.144	0	%100
123	M136	X	-1.238	-1.238	0	%100
124	M136	Z	-2.144	-2.144	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-.77	-.77	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-.77	-.77	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-1.535	-1.535	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-.213	-.213	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-.213	-.213	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-.391	-.391	0	%100
17	M84	X	0	0	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	0	0	0	%100
20	M85	Z	-.391	-.391	0	%100
21	M52A	X	0	0	0	%100
22	M52A	Z	-.682	-.682	0	%100
23	M53	X	0	0	0	%100
24	M53	Z	-.192	-.192	0	%100
25	M54	X	0	0	0	%100
26	M54	Z	-.192	-.192	0	%100
27	M55	X	0	0	0	%100
28	M55	Z	-.384	-.384	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
29	M58A	X	0	0	0	%100
30	M58A	Z	-.213	-.213	0	%100
31	M59A	X	0	0	0	%100
32	M59A	Z	-.853	-.853	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	-1.151	-1.151	0	%100
35	M64	X	0	0	0	%100
36	M64	Z	-.391	-.391	0	%100
37	M68	X	0	0	0	%100
38	M68	Z	-1.151	-1.151	0	%100
39	M69	X	0	0	0	%100
40	M69	Z	-1.564	-1.564	0	%100
41	M76A	X	0	0	0	%100
42	M76A	Z	-.682	-.682	0	%100
43	M77A	X	0	0	0	%100
44	M77A	Z	-.192	-.192	0	%100
45	M78	X	0	0	0	%100
46	M78	Z	-.192	-.192	0	%100
47	M79A	X	0	0	0	%100
48	M79A	Z	-.384	-.384	0	%100
49	M82	X	0	0	0	%100
50	M82	Z	-.853	-.853	0	%100
51	M83A	X	0	0	0	%100
52	M83A	Z	-.213	-.213	0	%100
53	M87	X	0	0	0	%100
54	M87	Z	-1.151	-1.151	0	%100
55	M88A	X	0	0	0	%100
56	M88A	Z	-1.564	-1.564	0	%100
57	M90	X	0	0	0	%100
58	M90	Z	-1.621	-1.621	0	%100
59	M92A	X	0	0	0	%100
60	M92A	Z	-1.151	-1.151	0	%100
61	M93	X	0	0	0	%100
62	M93	Z	-.391	-.391	0	%100
63	M66	X	0	0	0	%100
64	M66	Z	-1.621	-1.621	0	%100
65	M68A	X	0	0	0	%100
66	M68A	Z	-.405	-.405	0	%100
67	M70A	X	0	0	0	%100
68	M70A	Z	-.405	-.405	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	-.405	-.405	0	%100
71	M74A	X	0	0	0	%100
72	M74A	Z	-.405	-.405	0	%100
73	M76B	X	0	0	0	%100
74	M76B	Z	-.89	-.89	0	%100
75	M77B	X	0	0	0	%100
76	M77B	Z	-.223	-.223	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	-.223	-.223	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-.529	-.529	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-.529	-.529	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-.529	-.529	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-.529	-.529	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	-.529	-.529	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	-.529	-.529	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-.529	-.529	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-.529	-.529	0	%100
95	MP5C	X	0	0	0	%100
96	MP5C	Z	-.529	-.529	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	-.529	-.529	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-.529	-.529	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	-.529	-.529	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	-.529	-.529	0	%100
105	MP5B	X	0	0	0	%100
106	MP5B	Z	-.529	-.529	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	-.529	-.529	0	%100
109	M318	X	0	0	0	%100
110	M318	Z	-.455	-.455	0	%100
111	M111	X	0	0	0	%100
112	M111	Z	-.455	-.455	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	-.736	-.736	0	%100
115	M111A	X	0	0	0	%100
116	M111A	Z	-.184	-.184	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	-.184	-.184	0	%100
119	M134	X	0	0	0	%100
120	M134	Z	-.204	-.204	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	-.204	-.204	0	%100
123	M136	X	0	0	0	%100
124	M136	Z	-.817	-.817	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.114	.114	0	%100
2	M4	Z	-.197	-.197	0	%100
3	M10	X	.289	.289	0	%100
4	M10	Z	-.5	-.5	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
5	M43	X	.289	.289	0	%100
6	M43	Z	-.5	-.5	0	%100
7	M46	X	.576	.576	0	%100
8	M46	Z	-.997	-.997	0	%100
9	M51B	X	.32	.32	0	%100
10	M51B	Z	-.554	-.554	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.192	.192	0	%100
14	M76	Z	-.332	-.332	0	%100
15	M77	X	.586	.586	0	%100
16	M77	Z	-1.016	-1.016	0	%100
17	M84	X	.192	.192	0	%100
18	M84	Z	-.332	-.332	0	%100
19	M85	X	0	0	0	%100
20	M85	Z	0	0	0	%100
21	M52A	X	.114	.114	0	%100
22	M52A	Z	-.197	-.197	0	%100
23	M53	X	.289	.289	0	%100
24	M53	Z	-.5	-.5	0	%100
25	M54	X	.289	.289	0	%100
26	M54	Z	-.5	-.5	0	%100
27	M55	X	.576	.576	0	%100
28	M55	Z	-.997	-.997	0	%100
29	M58A	X	0	0	0	%100
30	M58A	Z	0	0	0	%100
31	M59A	X	.32	.32	0	%100
32	M59A	Z	-.554	-.554	0	%100
33	M63	X	.192	.192	0	%100
34	M63	Z	-.332	-.332	0	%100
35	M64	X	0	0	0	%100
36	M64	Z	0	0	0	%100
37	M68	X	.192	.192	0	%100
38	M68	Z	-.332	-.332	0	%100
39	M69	X	.586	.586	0	%100
40	M69	Z	-1.016	-1.016	0	%100
41	M76A	X	.455	.455	0	%100
42	M76A	Z	-.788	-.788	0	%100
43	M77A	X	0	0	0	%100
44	M77A	Z	0	0	0	%100
45	M78	X	0	0	0	%100
46	M78	Z	0	0	0	%100
47	M79A	X	0	0	0	%100
48	M79A	Z	0	0	0	%100
49	M82	X	.32	.32	0	%100
50	M82	Z	-.554	-.554	0	%100
51	M83A	X	.32	.32	0	%100
52	M83A	Z	-.554	-.554	0	%100
53	M87	X	.768	.768	0	%100
54	M87	Z	-1.33	-1.33	0	%100
55	M88A	X	.586	.586	0	%100
56	M88A	Z	-1.016	-1.016	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
57	M90	X	.608	.608	0	%100
58	M90	Z	-1.053	-1.053	0	%100
59	M92A	X	.768	.768	0	%100
60	M92A	Z	-1.33	-1.33	0	%100
61	M93	X	.586	.586	0	%100
62	M93	Z	-1.016	-1.016	0	%100
63	M66	X	.608	.608	0	%100
64	M66	Z	-1.053	-1.053	0	%100
65	M68A	X	.608	.608	0	%100
66	M68A	Z	-1.053	-1.053	0	%100
67	M70A	X	.608	.608	0	%100
68	M70A	Z	-1.053	-1.053	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74A	X	0	0	0	%100
72	M74A	Z	0	0	0	%100
73	M76B	X	.334	.334	0	%100
74	M76B	Z	-.578	-.578	0	%100
75	M77B	X	.334	.334	0	%100
76	M77B	Z	-.578	-.578	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	0	0	0	%100
79	MP1A	X	.274	.274	0	%100
80	MP1A	Z	-.475	-.475	0	%100
81	MP2A	X	.274	.274	0	%100
82	MP2A	Z	-.475	-.475	0	%100
83	MP3A	X	.274	.274	0	%100
84	MP3A	Z	-.475	-.475	0	%100
85	MP4A	X	.274	.274	0	%100
86	MP4A	Z	-.475	-.475	0	%100
87	MP5A	X	.274	.274	0	%100
88	MP5A	Z	-.475	-.475	0	%100
89	MP1C	X	.274	.274	0	%100
90	MP1C	Z	-.475	-.475	0	%100
91	MP2C	X	.274	.274	0	%100
92	MP2C	Z	-.475	-.475	0	%100
93	MP3C	X	.274	.274	0	%100
94	MP3C	Z	-.475	-.475	0	%100
95	MP5C	X	.274	.274	0	%100
96	MP5C	Z	-.475	-.475	0	%100
97	MP1B	X	.274	.274	0	%100
98	MP1B	Z	-.475	-.475	0	%100
99	MP2B	X	.274	.274	0	%100
100	MP2B	Z	-.475	-.475	0	%100
101	MP3B	X	.274	.274	0	%100
102	MP3B	Z	-.475	-.475	0	%100
103	MP4B	X	.274	.274	0	%100
104	MP4B	Z	-.475	-.475	0	%100
105	MP5B	X	.274	.274	0	%100
106	MP5B	Z	-.475	-.475	0	%100
107	MP4C	X	.274	.274	0	%100
108	MP4C	Z	-.475	-.475	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
109	M318	X	.233	.233	0	%100
110	M318	Z	-.403	-.403	0	%100
111	M111	X	.233	.233	0	%100
112	M111	Z	-.403	-.403	0	%100
113	M110A	X	.276	.276	0	%100
114	M110A	Z	-.478	-.478	0	%100
115	M111A	X	.276	.276	0	%100
116	M111A	Z	-.478	-.478	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	0	0	0	%100
119	M134	X	.306	.306	0	%100
120	M134	Z	-.53	-.53	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	0	0	0	%100
123	M136	X	.306	.306	0	%100
124	M136	Z	-.53	-.53	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.591	.591	0	%100
2	M4	Z	-.341	-.341	0	%100
3	M10	X	.167	.167	0	%100
4	M10	Z	-.096	-.096	0	%100
5	M43	X	.167	.167	0	%100
6	M43	Z	-.096	-.096	0	%100
7	M46	X	.332	.332	0	%100
8	M46	Z	-.192	-.192	0	%100
9	M51B	X	.738	.738	0	%100
10	M51B	Z	-.426	-.426	0	%100
11	M52B	X	.185	.185	0	%100
12	M52B	Z	-.107	-.107	0	%100
13	M76	X	.997	.997	0	%100
14	M76	Z	-.576	-.576	0	%100
15	M77	X	1.354	1.354	0	%100
16	M77	Z	-.782	-.782	0	%100
17	M84	X	.997	.997	0	%100
18	M84	Z	-.576	-.576	0	%100
19	M85	X	.339	.339	0	%100
20	M85	Z	-.195	-.195	0	%100
21	M52A	X	0	0	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	.667	.667	0	%100
24	M53	Z	-.385	-.385	0	%100
25	M54	X	.667	.667	0	%100
26	M54	Z	-.385	-.385	0	%100
27	M55	X	1.33	1.33	0	%100
28	M55	Z	-.768	-.768	0	%100
29	M58A	X	.185	.185	0	%100
30	M58A	Z	-.107	-.107	0	%100
31	M59A	X	.185	.185	0	%100
32	M59A	Z	-.107	-.107	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
33	M63	X	0	0	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	.339	.339	0	%100
36	M64	Z	-.195	-.195	0	%100
37	M68	X	0	0	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	.339	.339	0	%100
40	M69	Z	-.195	-.195	0	%100
41	M76A	X	.591	.591	0	%100
42	M76A	Z	-.341	-.341	0	%100
43	M77A	X	.167	.167	0	%100
44	M77A	Z	-.096	-.096	0	%100
45	M78	X	.167	.167	0	%100
46	M78	Z	-.096	-.096	0	%100
47	M79A	X	.332	.332	0	%100
48	M79A	Z	-.192	-.192	0	%100
49	M82	X	.185	.185	0	%100
50	M82	Z	-.107	-.107	0	%100
51	M83A	X	.738	.738	0	%100
52	M83A	Z	-.426	-.426	0	%100
53	M87	X	.997	.997	0	%100
54	M87	Z	-.576	-.576	0	%100
55	M88A	X	.339	.339	0	%100
56	M88A	Z	-.195	-.195	0	%100
57	M90	X	.351	.351	0	%100
58	M90	Z	-.203	-.203	0	%100
59	M92A	X	.997	.997	0	%100
60	M92A	Z	-.576	-.576	0	%100
61	M93	X	1.354	1.354	0	%100
62	M93	Z	-.782	-.782	0	%100
63	M66	X	.351	.351	0	%100
64	M66	Z	-.203	-.203	0	%100
65	M68A	X	1.404	1.404	0	%100
66	M68A	Z	-.81	-.81	0	%100
67	M70A	X	1.404	1.404	0	%100
68	M70A	Z	-.81	-.81	0	%100
69	M72	X	.351	.351	0	%100
70	M72	Z	-.203	-.203	0	%100
71	M74A	X	.351	.351	0	%100
72	M74A	Z	-.203	-.203	0	%100
73	M76B	X	.193	.193	0	%100
74	M76B	Z	-.111	-.111	0	%100
75	M77B	X	.771	.771	0	%100
76	M77B	Z	-.445	-.445	0	%100
77	M78A	X	.193	.193	0	%100
78	M78A	Z	-.111	-.111	0	%100
79	MP1A	X	.509	.509	0	%100
80	MP1A	Z	-.294	-.294	0	%100
81	MP2A	X	.509	.509	0	%100
82	MP2A	Z	-.294	-.294	0	%100
83	MP3A	X	.509	.509	0	%100
84	MP3A	Z	-.294	-.294	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
85	MP4A	X	.509	.509	0	%100
86	MP4A	Z	-.294	-.294	0	%100
87	MP5A	X	.509	.509	0	%100
88	MP5A	Z	-.294	-.294	0	%100
89	MP1C	X	.509	.509	0	%100
90	MP1C	Z	-.294	-.294	0	%100
91	MP2C	X	.509	.509	0	%100
92	MP2C	Z	-.294	-.294	0	%100
93	MP3C	X	.509	.509	0	%100
94	MP3C	Z	-.294	-.294	0	%100
95	MP5C	X	.509	.509	0	%100
96	MP5C	Z	-.294	-.294	0	%100
97	MP1B	X	.509	.509	0	%100
98	MP1B	Z	-.294	-.294	0	%100
99	MP2B	X	.509	.509	0	%100
100	MP2B	Z	-.294	-.294	0	%100
101	MP3B	X	.509	.509	0	%100
102	MP3B	Z	-.294	-.294	0	%100
103	MP4B	X	.509	.509	0	%100
104	MP4B	Z	-.294	-.294	0	%100
105	MP5B	X	.509	.509	0	%100
106	MP5B	Z	-.294	-.294	0	%100
107	MP4C	X	.509	.509	0	%100
108	MP4C	Z	-.294	-.294	0	%100
109	M318	X	.421	.421	0	%100
110	M318	Z	-.243	-.243	0	%100
111	M111	X	.421	.421	0	%100
112	M111	Z	-.243	-.243	0	%100
113	M110A	X	.159	.159	0	%100
114	M110A	Z	-.092	-.092	0	%100
115	M111A	X	.637	.637	0	%100
116	M111A	Z	-.368	-.368	0	%100
117	M112	X	.159	.159	0	%100
118	M112	Z	-.092	-.092	0	%100
119	M134	X	.707	.707	0	%100
120	M134	Z	-.408	-.408	0	%100
121	M135	X	.177	.177	0	%100
122	M135	Z	-.102	-.102	0	%100
123	M136	X	.177	.177	0	%100
124	M136	Z	-.102	-.102	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.91	.91	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	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,...	Start Location[ft,%]	End Location[ft,%]
9	M51B	X	.639	.639	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.639	.639	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	1.535	1.535	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	1.173	1.173	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	1.535	1.535	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	1.173	1.173	0	%100
20	M85	Z	0	0	0	%100
21	M52A	X	.227	.227	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	.577	.577	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	.577	.577	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	1.151	1.151	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	.639	.639	0	%100
30	M58A	Z	0	0	0	%100
31	M59A	X	0	0	0	%100
32	M59A	Z	0	0	0	%100
33	M63	X	.384	.384	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	1.173	1.173	0	%100
36	M64	Z	0	0	0	%100
37	M68	X	.384	.384	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	0	0	0	%100
40	M69	Z	0	0	0	%100
41	M76A	X	.227	.227	0	%100
42	M76A	Z	0	0	0	%100
43	M77A	X	.577	.577	0	%100
44	M77A	Z	0	0	0	%100
45	M78	X	.577	.577	0	%100
46	M78	Z	0	0	0	%100
47	M79A	X	1.151	1.151	0	%100
48	M79A	Z	0	0	0	%100
49	M82	X	0	0	0	%100
50	M82	Z	0	0	0	%100
51	M83A	X	.639	.639	0	%100
52	M83A	Z	0	0	0	%100
53	M87	X	.384	.384	0	%100
54	M87	Z	0	0	0	%100
55	M88A	X	0	0	0	%100
56	M88A	Z	0	0	0	%100
57	M90	X	0	0	0	%100
58	M90	Z	0	0	0	%100
59	M92A	X	.384	.384	0	%100
60	M92A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
61	M93	X	1.173	1.173	0	%100
62	M93	Z	0	0	0	%100
63	M66	X	0	0	0	%100
64	M66	Z	0	0	0	%100
65	M68A	X	1.215	1.215	0	%100
66	M68A	Z	0	0	0	%100
67	M70A	X	1.215	1.215	0	%100
68	M70A	Z	0	0	0	%100
69	M72	X	1.215	1.215	0	%100
70	M72	Z	0	0	0	%100
71	M74A	X	1.215	1.215	0	%100
72	M74A	Z	0	0	0	%100
73	M76B	X	0	0	0	%100
74	M76B	Z	0	0	0	%100
75	M77B	X	.668	.668	0	%100
76	M77B	Z	0	0	0	%100
77	M78A	X	.668	.668	0	%100
78	M78A	Z	0	0	0	%100
79	MP1A	X	.608	.608	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	.608	.608	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	.608	.608	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	.608	.608	0	%100
86	MP4A	Z	0	0	0	%100
87	MP5A	X	.608	.608	0	%100
88	MP5A	Z	0	0	0	%100
89	MP1C	X	.608	.608	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2C	X	.608	.608	0	%100
92	MP2C	Z	0	0	0	%100
93	MP3C	X	.608	.608	0	%100
94	MP3C	Z	0	0	0	%100
95	MP5C	X	.608	.608	0	%100
96	MP5C	Z	0	0	0	%100
97	MP1B	X	.608	.608	0	%100
98	MP1B	Z	0	0	0	%100
99	MP2B	X	.608	.608	0	%100
100	MP2B	Z	0	0	0	%100
101	MP3B	X	.608	.608	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	.608	.608	0	%100
104	MP4B	Z	0	0	0	%100
105	MP5B	X	.608	.608	0	%100
106	MP5B	Z	0	0	0	%100
107	MP4C	X	.608	.608	0	%100
108	MP4C	Z	0	0	0	%100
109	M318	X	.497	.497	0	%100
110	M318	Z	0	0	0	%100
111	M111	X	.497	.497	0	%100
112	M111	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
113	M110A	X	0	0	0	%100
114	M110A	Z	0	0	0	%100
115	M111A	X	.552	.552	0	%100
116	M111A	Z	0	0	0	%100
117	M112	X	.552	.552	0	%100
118	M112	Z	0	0	0	%100
119	M134	X	.613	.613	0	%100
120	M134	Z	0	0	0	%100
121	M135	X	.613	.613	0	%100
122	M135	Z	0	0	0	%100
123	M136	X	0	0	0	%100
124	M136	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.591	.591	0	%100
2	M4	Z	.341	.341	0	%100
3	M10	X	.167	.167	0	%100
4	M10	Z	.096	.096	0	%100
5	M43	X	.167	.167	0	%100
6	M43	Z	.096	.096	0	%100
7	M46	X	.332	.332	0	%100
8	M46	Z	.192	.192	0	%100
9	M51B	X	.185	.185	0	%100
10	M51B	Z	.107	.107	0	%100
11	M52B	X	.738	.738	0	%100
12	M52B	Z	.426	.426	0	%100
13	M76	X	.997	.997	0	%100
14	M76	Z	.576	.576	0	%100
15	M77	X	.339	.339	0	%100
16	M77	Z	.195	.195	0	%100
17	M84	X	.997	.997	0	%100
18	M84	Z	.576	.576	0	%100
19	M85	X	1.354	1.354	0	%100
20	M85	Z	.782	.782	0	%100
21	M52A	X	.591	.591	0	%100
22	M52A	Z	.341	.341	0	%100
23	M53	X	.167	.167	0	%100
24	M53	Z	.096	.096	0	%100
25	M54	X	.167	.167	0	%100
26	M54	Z	.096	.096	0	%100
27	M55	X	.332	.332	0	%100
28	M55	Z	.192	.192	0	%100
29	M58A	X	.738	.738	0	%100
30	M58A	Z	.426	.426	0	%100
31	M59A	X	.185	.185	0	%100
32	M59A	Z	.107	.107	0	%100
33	M63	X	.997	.997	0	%100
34	M63	Z	.576	.576	0	%100
35	M64	X	1.354	1.354	0	%100
36	M64	Z	.782	.782	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
37	M68	X	.997	.997	0	%100
38	M68	Z	.576	.576	0	%100
39	M69	X	.339	.339	0	%100
40	M69	Z	.195	.195	0	%100
41	M76A	X	0	0	0	%100
42	M76A	Z	0	0	0	%100
43	M77A	X	.667	.667	0	%100
44	M77A	Z	.385	.385	0	%100
45	M78	X	.667	.667	0	%100
46	M78	Z	.385	.385	0	%100
47	M79A	X	1.33	1.33	0	%100
48	M79A	Z	.768	.768	0	%100
49	M82	X	.185	.185	0	%100
50	M82	Z	.107	.107	0	%100
51	M83A	X	.185	.185	0	%100
52	M83A	Z	.107	.107	0	%100
53	M87	X	0	0	0	%100
54	M87	Z	0	0	0	%100
55	M88A	X	.339	.339	0	%100
56	M88A	Z	.195	.195	0	%100
57	M90	X	.351	.351	0	%100
58	M90	Z	.203	.203	0	%100
59	M92A	X	0	0	0	%100
60	M92A	Z	0	0	0	%100
61	M93	X	.339	.339	0	%100
62	M93	Z	.195	.195	0	%100
63	M66	X	.351	.351	0	%100
64	M66	Z	.203	.203	0	%100
65	M68A	X	.351	.351	0	%100
66	M68A	Z	.203	.203	0	%100
67	M70A	X	.351	.351	0	%100
68	M70A	Z	.203	.203	0	%100
69	M72	X	1.404	1.404	0	%100
70	M72	Z	.81	.81	0	%100
71	M74A	X	1.404	1.404	0	%100
72	M74A	Z	.81	.81	0	%100
73	M76B	X	.193	.193	0	%100
74	M76B	Z	.111	.111	0	%100
75	M77B	X	.193	.193	0	%100
76	M77B	Z	.111	.111	0	%100
77	M78A	X	.771	.771	0	%100
78	M78A	Z	.445	.445	0	%100
79	MP1A	X	.509	.509	0	%100
80	MP1A	Z	.294	.294	0	%100
81	MP2A	X	.509	.509	0	%100
82	MP2A	Z	.294	.294	0	%100
83	MP3A	X	.509	.509	0	%100
84	MP3A	Z	.294	.294	0	%100
85	MP4A	X	.509	.509	0	%100
86	MP4A	Z	.294	.294	0	%100
87	MP5A	X	.509	.509	0	%100
88	MP5A	Z	.294	.294	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
89	MP1C	X	.509	.509	0	%100
90	MP1C	Z	.294	.294	0	%100
91	MP2C	X	.509	.509	0	%100
92	MP2C	Z	.294	.294	0	%100
93	MP3C	X	.509	.509	0	%100
94	MP3C	Z	.294	.294	0	%100
95	MP5C	X	.509	.509	0	%100
96	MP5C	Z	.294	.294	0	%100
97	MP1B	X	.509	.509	0	%100
98	MP1B	Z	.294	.294	0	%100
99	MP2B	X	.509	.509	0	%100
100	MP2B	Z	.294	.294	0	%100
101	MP3B	X	.509	.509	0	%100
102	MP3B	Z	.294	.294	0	%100
103	MP4B	X	.509	.509	0	%100
104	MP4B	Z	.294	.294	0	%100
105	MP5B	X	.509	.509	0	%100
106	MP5B	Z	.294	.294	0	%100
107	MP4C	X	.509	.509	0	%100
108	MP4C	Z	.294	.294	0	%100
109	M318	X	.421	.421	0	%100
110	M318	Z	.243	.243	0	%100
111	M111	X	.421	.421	0	%100
112	M111	Z	.243	.243	0	%100
113	M110A	X	.159	.159	0	%100
114	M110A	Z	.092	.092	0	%100
115	M111A	X	.159	.159	0	%100
116	M111A	Z	.092	.092	0	%100
117	M112	X	.637	.637	0	%100
118	M112	Z	.368	.368	0	%100
119	M134	X	.177	.177	0	%100
120	M134	Z	.102	.102	0	%100
121	M135	X	.707	.707	0	%100
122	M135	Z	.408	.408	0	%100
123	M136	X	.177	.177	0	%100
124	M136	Z	.102	.102	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.114	.114	0	%100
2	M4	Z	.197	.197	0	%100
3	M10	X	.289	.289	0	%100
4	M10	Z	.5	.5	0	%100
5	M43	X	.289	.289	0	%100
6	M43	Z	.5	.5	0	%100
7	M46	X	.576	.576	0	%100
8	M46	Z	.997	.997	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.32	.32	0	%100
12	M52B	Z	.554	.554	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
13	M76	X	.192	.192	0	%100
14	M76	Z	.332	.332	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	.192	.192	0	%100
18	M84	Z	.332	.332	0	%100
19	M85	X	.586	.586	0	%100
20	M85	Z	1.016	1.016	0	%100
21	M52A	X	.455	.455	0	%100
22	M52A	Z	.788	.788	0	%100
23	M53	X	0	0	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	0	0	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	0	0	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	.32	.32	0	%100
30	M58A	Z	.554	.554	0	%100
31	M59A	X	.32	.32	0	%100
32	M59A	Z	.554	.554	0	%100
33	M63	X	.768	.768	0	%100
34	M63	Z	1.33	1.33	0	%100
35	M64	X	.586	.586	0	%100
36	M64	Z	1.016	1.016	0	%100
37	M68	X	.768	.768	0	%100
38	M68	Z	1.33	1.33	0	%100
39	M69	X	.586	.586	0	%100
40	M69	Z	1.016	1.016	0	%100
41	M76A	X	.114	.114	0	%100
42	M76A	Z	.197	.197	0	%100
43	M77A	X	.289	.289	0	%100
44	M77A	Z	.5	.5	0	%100
45	M78	X	.289	.289	0	%100
46	M78	Z	.5	.5	0	%100
47	M79A	X	.576	.576	0	%100
48	M79A	Z	.997	.997	0	%100
49	M82	X	.32	.32	0	%100
50	M82	Z	.554	.554	0	%100
51	M83A	X	0	0	0	%100
52	M83A	Z	0	0	0	%100
53	M87	X	.192	.192	0	%100
54	M87	Z	.332	.332	0	%100
55	M88A	X	.586	.586	0	%100
56	M88A	Z	1.016	1.016	0	%100
57	M90	X	.608	.608	0	%100
58	M90	Z	1.053	1.053	0	%100
59	M92A	X	.192	.192	0	%100
60	M92A	Z	.332	.332	0	%100
61	M93	X	0	0	0	%100
62	M93	Z	0	0	0	%100
63	M66	X	.608	.608	0	%100
64	M66	Z	1.053	1.053	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
65	M68A	X	0	0	0	%100
66	M68A	Z	0	0	0	%100
67	M70A	X	0	0	0	%100
68	M70A	Z	0	0	0	%100
69	M72	X	.608	.608	0	%100
70	M72	Z	1.053	1.053	0	%100
71	M74A	X	.608	.608	0	%100
72	M74A	Z	1.053	1.053	0	%100
73	M76B	X	.334	.334	0	%100
74	M76B	Z	.578	.578	0	%100
75	M77B	X	0	0	0	%100
76	M77B	Z	0	0	0	%100
77	M78A	X	.334	.334	0	%100
78	M78A	Z	.578	.578	0	%100
79	MP1A	X	.274	.274	0	%100
80	MP1A	Z	.475	.475	0	%100
81	MP2A	X	.274	.274	0	%100
82	MP2A	Z	.475	.475	0	%100
83	MP3A	X	.274	.274	0	%100
84	MP3A	Z	.475	.475	0	%100
85	MP4A	X	.274	.274	0	%100
86	MP4A	Z	.475	.475	0	%100
87	MP5A	X	.274	.274	0	%100
88	MP5A	Z	.475	.475	0	%100
89	MP1C	X	.274	.274	0	%100
90	MP1C	Z	.475	.475	0	%100
91	MP2C	X	.274	.274	0	%100
92	MP2C	Z	.475	.475	0	%100
93	MP3C	X	.274	.274	0	%100
94	MP3C	Z	.475	.475	0	%100
95	MP5C	X	.274	.274	0	%100
96	MP5C	Z	.475	.475	0	%100
97	MP1B	X	.274	.274	0	%100
98	MP1B	Z	.475	.475	0	%100
99	MP2B	X	.274	.274	0	%100
100	MP2B	Z	.475	.475	0	%100
101	MP3B	X	.274	.274	0	%100
102	MP3B	Z	.475	.475	0	%100
103	MP4B	X	.274	.274	0	%100
104	MP4B	Z	.475	.475	0	%100
105	MP5B	X	.274	.274	0	%100
106	MP5B	Z	.475	.475	0	%100
107	MP4C	X	.274	.274	0	%100
108	MP4C	Z	.475	.475	0	%100
109	M318	X	.233	.233	0	%100
110	M318	Z	.403	.403	0	%100
111	M111	X	.233	.233	0	%100
112	M111	Z	.403	.403	0	%100
113	M110A	X	.276	.276	0	%100
114	M110A	Z	.478	.478	0	%100
115	M111A	X	0	0	0	%100
116	M111A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
117	M112	X	.276	.276	0	%100
118	M112	Z	.478	.478	0	%100
119	M134	X	0	0	0	%100
120	M134	Z	0	0	0	%100
121	M135	X	.306	.306	0	%100
122	M135	Z	.53	.53	0	%100
123	M136	X	.306	.306	0	%100
124	M136	Z	.53	.53	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	.77	.77	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	.77	.77	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	1.535	1.535	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	.213	.213	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	.213	.213	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	.391	.391	0	%100
17	M84	X	0	0	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	0	0	0	%100
20	M85	Z	.391	.391	0	%100
21	M52A	X	0	0	0	%100
22	M52A	Z	.682	.682	0	%100
23	M53	X	0	0	0	%100
24	M53	Z	.192	.192	0	%100
25	M54	X	0	0	0	%100
26	M54	Z	.192	.192	0	%100
27	M55	X	0	0	0	%100
28	M55	Z	.384	.384	0	%100
29	M58A	X	0	0	0	%100
30	M58A	Z	.213	.213	0	%100
31	M59A	X	0	0	0	%100
32	M59A	Z	.853	.853	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	1.151	1.151	0	%100
35	M64	X	0	0	0	%100
36	M64	Z	.391	.391	0	%100
37	M68	X	0	0	0	%100
38	M68	Z	1.151	1.151	0	%100
39	M69	X	0	0	0	%100
40	M69	Z	1.564	1.564	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
41	M76A	X	0	0	0	%100
42	M76A	Z	.682	.682	0	%100
43	M77A	X	0	0	0	%100
44	M77A	Z	.192	.192	0	%100
45	M78	X	0	0	0	%100
46	M78	Z	.192	.192	0	%100
47	M79A	X	0	0	0	%100
48	M79A	Z	.384	.384	0	%100
49	M82	X	0	0	0	%100
50	M82	Z	.853	.853	0	%100
51	M83A	X	0	0	0	%100
52	M83A	Z	.213	.213	0	%100
53	M87	X	0	0	0	%100
54	M87	Z	1.151	1.151	0	%100
55	M88A	X	0	0	0	%100
56	M88A	Z	1.564	1.564	0	%100
57	M90	X	0	0	0	%100
58	M90	Z	1.621	1.621	0	%100
59	M92A	X	0	0	0	%100
60	M92A	Z	1.151	1.151	0	%100
61	M93	X	0	0	0	%100
62	M93	Z	.391	.391	0	%100
63	M66	X	0	0	0	%100
64	M66	Z	1.621	1.621	0	%100
65	M68A	X	0	0	0	%100
66	M68A	Z	.405	.405	0	%100
67	M70A	X	0	0	0	%100
68	M70A	Z	.405	.405	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	.405	.405	0	%100
71	M74A	X	0	0	0	%100
72	M74A	Z	.405	.405	0	%100
73	M76B	X	0	0	0	%100
74	M76B	Z	.89	.89	0	%100
75	M77B	X	0	0	0	%100
76	M77B	Z	.223	.223	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	.223	.223	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	.529	.529	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	.529	.529	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	.529	.529	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	.529	.529	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	.529	.529	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	.529	.529	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	.529	.529	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
93	MP3C	X	0	0	0	%100
94	MP3C	Z	.529	.529	0	%100
95	MP5C	X	0	0	0	%100
96	MP5C	Z	.529	.529	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	.529	.529	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	.529	.529	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	.529	.529	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	.529	.529	0	%100
105	MP5B	X	0	0	0	%100
106	MP5B	Z	.529	.529	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	.529	.529	0	%100
109	M318	X	0	0	0	%100
110	M318	Z	.455	.455	0	%100
111	M111	X	0	0	0	%100
112	M111	Z	.455	.455	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	.736	.736	0	%100
115	M111A	X	0	0	0	%100
116	M111A	Z	.184	.184	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	.184	.184	0	%100
119	M134	X	0	0	0	%100
120	M134	Z	.204	.204	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	.204	.204	0	%100
123	M136	X	0	0	0	%100
124	M136	Z	.817	.817	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.114	-.114	0	%100
2	M4	Z	.197	.197	0	%100
3	M10	X	-.289	-.289	0	%100
4	M10	Z	.5	.5	0	%100
5	M43	X	-.289	-.289	0	%100
6	M43	Z	.5	.5	0	%100
7	M46	X	-.576	-.576	0	%100
8	M46	Z	.997	.997	0	%100
9	M51B	X	-.32	-.32	0	%100
10	M51B	Z	.554	.554	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-.192	-.192	0	%100
14	M76	Z	.332	.332	0	%100
15	M77	X	-.586	-.586	0	%100
16	M77	Z	1.016	1.016	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
17	M84	X	-.192	-.192	0	%100
18	M84	Z	.332	.332	0	%100
19	M85	X	0	0	0	%100
20	M85	Z	0	0	0	%100
21	M52A	X	-.114	-.114	0	%100
22	M52A	Z	.197	.197	0	%100
23	M53	X	-.289	-.289	0	%100
24	M53	Z	.5	.5	0	%100
25	M54	X	-.289	-.289	0	%100
26	M54	Z	.5	.5	0	%100
27	M55	X	-.576	-.576	0	%100
28	M55	Z	.997	.997	0	%100
29	M58A	X	0	0	0	%100
30	M58A	Z	0	0	0	%100
31	M59A	X	-.32	-.32	0	%100
32	M59A	Z	.554	.554	0	%100
33	M63	X	-.192	-.192	0	%100
34	M63	Z	.332	.332	0	%100
35	M64	X	0	0	0	%100
36	M64	Z	0	0	0	%100
37	M68	X	-.192	-.192	0	%100
38	M68	Z	.332	.332	0	%100
39	M69	X	-.586	-.586	0	%100
40	M69	Z	1.016	1.016	0	%100
41	M76A	X	-.455	-.455	0	%100
42	M76A	Z	.788	.788	0	%100
43	M77A	X	0	0	0	%100
44	M77A	Z	0	0	0	%100
45	M78	X	0	0	0	%100
46	M78	Z	0	0	0	%100
47	M79A	X	0	0	0	%100
48	M79A	Z	0	0	0	%100
49	M82	X	-.32	-.32	0	%100
50	M82	Z	.554	.554	0	%100
51	M83A	X	-.32	-.32	0	%100
52	M83A	Z	.554	.554	0	%100
53	M87	X	-.768	-.768	0	%100
54	M87	Z	1.33	1.33	0	%100
55	M88A	X	-.586	-.586	0	%100
56	M88A	Z	1.016	1.016	0	%100
57	M90	X	-.608	-.608	0	%100
58	M90	Z	1.053	1.053	0	%100
59	M92A	X	-.768	-.768	0	%100
60	M92A	Z	1.33	1.33	0	%100
61	M93	X	-.586	-.586	0	%100
62	M93	Z	1.016	1.016	0	%100
63	M66	X	-.608	-.608	0	%100
64	M66	Z	1.053	1.053	0	%100
65	M68A	X	-.608	-.608	0	%100
66	M68A	Z	1.053	1.053	0	%100
67	M70A	X	-.608	-.608	0	%100
68	M70A	Z	1.053	1.053	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74A	X	0	0	0	%100
72	M74A	Z	0	0	0	%100
73	M76B	X	-.334	-.334	0	%100
74	M76B	Z	.578	.578	0	%100
75	M77B	X	-.334	-.334	0	%100
76	M77B	Z	.578	.578	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	0	0	0	%100
79	MP1A	X	-.274	-.274	0	%100
80	MP1A	Z	.475	.475	0	%100
81	MP2A	X	-.274	-.274	0	%100
82	MP2A	Z	.475	.475	0	%100
83	MP3A	X	-.274	-.274	0	%100
84	MP3A	Z	.475	.475	0	%100
85	MP4A	X	-.274	-.274	0	%100
86	MP4A	Z	.475	.475	0	%100
87	MP5A	X	-.274	-.274	0	%100
88	MP5A	Z	.475	.475	0	%100
89	MP1C	X	-.274	-.274	0	%100
90	MP1C	Z	.475	.475	0	%100
91	MP2C	X	-.274	-.274	0	%100
92	MP2C	Z	.475	.475	0	%100
93	MP3C	X	-.274	-.274	0	%100
94	MP3C	Z	.475	.475	0	%100
95	MP5C	X	-.274	-.274	0	%100
96	MP5C	Z	.475	.475	0	%100
97	MP1B	X	-.274	-.274	0	%100
98	MP1B	Z	.475	.475	0	%100
99	MP2B	X	-.274	-.274	0	%100
100	MP2B	Z	.475	.475	0	%100
101	MP3B	X	-.274	-.274	0	%100
102	MP3B	Z	.475	.475	0	%100
103	MP4B	X	-.274	-.274	0	%100
104	MP4B	Z	.475	.475	0	%100
105	MP5B	X	-.274	-.274	0	%100
106	MP5B	Z	.475	.475	0	%100
107	MP4C	X	-.274	-.274	0	%100
108	MP4C	Z	.475	.475	0	%100
109	M318	X	-.233	-.233	0	%100
110	M318	Z	.403	.403	0	%100
111	M111	X	-.233	-.233	0	%100
112	M111	Z	.403	.403	0	%100
113	M110A	X	-.276	-.276	0	%100
114	M110A	Z	.478	.478	0	%100
115	M111A	X	-.276	-.276	0	%100
116	M111A	Z	.478	.478	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	0	0	0	%100
119	M134	X	-.306	-.306	0	%100
120	M134	Z	.53	.53	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
121	M135	X	0	0	0	%100
122	M135	Z	0	0	0	%100
123	M136	X	-.306	-.306	0	%100
124	M136	Z	.53	.53	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.591	-.591	0	%100
2	M4	Z	.341	.341	0	%100
3	M10	X	-.167	-.167	0	%100
4	M10	Z	.096	.096	0	%100
5	M43	X	-.167	-.167	0	%100
6	M43	Z	.096	.096	0	%100
7	M46	X	-.332	-.332	0	%100
8	M46	Z	.192	.192	0	%100
9	M51B	X	-.738	-.738	0	%100
10	M51B	Z	.426	.426	0	%100
11	M52B	X	-.185	-.185	0	%100
12	M52B	Z	.107	.107	0	%100
13	M76	X	-.997	-.997	0	%100
14	M76	Z	.576	.576	0	%100
15	M77	X	-1.354	-1.354	0	%100
16	M77	Z	.782	.782	0	%100
17	M84	X	-.997	-.997	0	%100
18	M84	Z	.576	.576	0	%100
19	M85	X	-.339	-.339	0	%100
20	M85	Z	.195	.195	0	%100
21	M52A	X	0	0	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	-.667	-.667	0	%100
24	M53	Z	.385	.385	0	%100
25	M54	X	-.667	-.667	0	%100
26	M54	Z	.385	.385	0	%100
27	M55	X	-1.33	-1.33	0	%100
28	M55	Z	.768	.768	0	%100
29	M58A	X	-.185	-.185	0	%100
30	M58A	Z	.107	.107	0	%100
31	M59A	X	-.185	-.185	0	%100
32	M59A	Z	.107	.107	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	-.339	-.339	0	%100
36	M64	Z	.195	.195	0	%100
37	M68	X	0	0	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	-.339	-.339	0	%100
40	M69	Z	.195	.195	0	%100
41	M76A	X	-.591	-.591	0	%100
42	M76A	Z	.341	.341	0	%100
43	M77A	X	-.167	-.167	0	%100
44	M77A	Z	.096	.096	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
45	M78	X	-.167	-.167	0	%100
46	M78	Z	.096	.096	0	%100
47	M79A	X	-.332	-.332	0	%100
48	M79A	Z	.192	.192	0	%100
49	M82	X	-.185	-.185	0	%100
50	M82	Z	.107	.107	0	%100
51	M83A	X	-.738	-.738	0	%100
52	M83A	Z	.426	.426	0	%100
53	M87	X	-.997	-.997	0	%100
54	M87	Z	.576	.576	0	%100
55	M88A	X	-.339	-.339	0	%100
56	M88A	Z	.195	.195	0	%100
57	M90	X	-.351	-.351	0	%100
58	M90	Z	.203	.203	0	%100
59	M92A	X	-.997	-.997	0	%100
60	M92A	Z	.576	.576	0	%100
61	M93	X	-1.354	-1.354	0	%100
62	M93	Z	.782	.782	0	%100
63	M66	X	-.351	-.351	0	%100
64	M66	Z	.203	.203	0	%100
65	M68A	X	-1.404	-1.404	0	%100
66	M68A	Z	.81	.81	0	%100
67	M70A	X	-1.404	-1.404	0	%100
68	M70A	Z	.81	.81	0	%100
69	M72	X	-.351	-.351	0	%100
70	M72	Z	.203	.203	0	%100
71	M74A	X	-.351	-.351	0	%100
72	M74A	Z	.203	.203	0	%100
73	M76B	X	-.193	-.193	0	%100
74	M76B	Z	.111	.111	0	%100
75	M77B	X	-.771	-.771	0	%100
76	M77B	Z	.445	.445	0	%100
77	M78A	X	-.193	-.193	0	%100
78	M78A	Z	.111	.111	0	%100
79	MP1A	X	-.509	-.509	0	%100
80	MP1A	Z	.294	.294	0	%100
81	MP2A	X	-.509	-.509	0	%100
82	MP2A	Z	.294	.294	0	%100
83	MP3A	X	-.509	-.509	0	%100
84	MP3A	Z	.294	.294	0	%100
85	MP4A	X	-.509	-.509	0	%100
86	MP4A	Z	.294	.294	0	%100
87	MP5A	X	-.509	-.509	0	%100
88	MP5A	Z	.294	.294	0	%100
89	MP1C	X	-.509	-.509	0	%100
90	MP1C	Z	.294	.294	0	%100
91	MP2C	X	-.509	-.509	0	%100
92	MP2C	Z	.294	.294	0	%100
93	MP3C	X	-.509	-.509	0	%100
94	MP3C	Z	.294	.294	0	%100
95	MP5C	X	-.509	-.509	0	%100
96	MP5C	Z	.294	.294	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
97	MP1B	X	-.509	-.509	0	%100
98	MP1B	Z	.294	.294	0	%100
99	MP2B	X	-.509	-.509	0	%100
100	MP2B	Z	.294	.294	0	%100
101	MP3B	X	-.509	-.509	0	%100
102	MP3B	Z	.294	.294	0	%100
103	MP4B	X	-.509	-.509	0	%100
104	MP4B	Z	.294	.294	0	%100
105	MP5B	X	-.509	-.509	0	%100
106	MP5B	Z	.294	.294	0	%100
107	MP4C	X	-.509	-.509	0	%100
108	MP4C	Z	.294	.294	0	%100
109	M318	X	-.421	-.421	0	%100
110	M318	Z	.243	.243	0	%100
111	M111	X	-.421	-.421	0	%100
112	M111	Z	.243	.243	0	%100
113	M110A	X	-.159	-.159	0	%100
114	M110A	Z	.092	.092	0	%100
115	M111A	X	-.637	-.637	0	%100
116	M111A	Z	.368	.368	0	%100
117	M112	X	-.159	-.159	0	%100
118	M112	Z	.092	.092	0	%100
119	M134	X	-.707	-.707	0	%100
120	M134	Z	.408	.408	0	%100
121	M135	X	-.177	-.177	0	%100
122	M135	Z	.102	.102	0	%100
123	M136	X	-.177	-.177	0	%100
124	M136	Z	.102	.102	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.91	-.91	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-.639	-.639	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.639	-.639	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-1.535	-1.535	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-1.173	-1.173	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	-1.535	-1.535	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	-1.173	-1.173	0	%100
20	M85	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
21	M52A	X	-.227	-.227	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	-.577	-.577	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	-.577	-.577	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	-1.151	-1.151	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	-.639	-.639	0	%100
30	M58A	Z	0	0	0	%100
31	M59A	X	0	0	0	%100
32	M59A	Z	0	0	0	%100
33	M63	X	-.384	-.384	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	-1.173	-1.173	0	%100
36	M64	Z	0	0	0	%100
37	M68	X	-.384	-.384	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	0	0	0	%100
40	M69	Z	0	0	0	%100
41	M76A	X	-.227	-.227	0	%100
42	M76A	Z	0	0	0	%100
43	M77A	X	-.577	-.577	0	%100
44	M77A	Z	0	0	0	%100
45	M78	X	-.577	-.577	0	%100
46	M78	Z	0	0	0	%100
47	M79A	X	-1.151	-1.151	0	%100
48	M79A	Z	0	0	0	%100
49	M82	X	0	0	0	%100
50	M82	Z	0	0	0	%100
51	M83A	X	-.639	-.639	0	%100
52	M83A	Z	0	0	0	%100
53	M87	X	-.384	-.384	0	%100
54	M87	Z	0	0	0	%100
55	M88A	X	0	0	0	%100
56	M88A	Z	0	0	0	%100
57	M90	X	0	0	0	%100
58	M90	Z	0	0	0	%100
59	M92A	X	-.384	-.384	0	%100
60	M92A	Z	0	0	0	%100
61	M93	X	-1.173	-1.173	0	%100
62	M93	Z	0	0	0	%100
63	M66	X	0	0	0	%100
64	M66	Z	0	0	0	%100
65	M68A	X	-1.215	-1.215	0	%100
66	M68A	Z	0	0	0	%100
67	M70A	X	-1.215	-1.215	0	%100
68	M70A	Z	0	0	0	%100
69	M72	X	-1.215	-1.215	0	%100
70	M72	Z	0	0	0	%100
71	M74A	X	-1.215	-1.215	0	%100
72	M74A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
73	M76B	X	0	0	0	%100
74	M76B	Z	0	0	0	%100
75	M77B	X	-.668	-.668	0	%100
76	M77B	Z	0	0	0	%100
77	M78A	X	-.668	-.668	0	%100
78	M78A	Z	0	0	0	%100
79	MP1A	X	-.608	-.608	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-.608	-.608	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-.608	-.608	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-.608	-.608	0	%100
86	MP4A	Z	0	0	0	%100
87	MP5A	X	-.608	-.608	0	%100
88	MP5A	Z	0	0	0	%100
89	MP1C	X	-.608	-.608	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2C	X	-.608	-.608	0	%100
92	MP2C	Z	0	0	0	%100
93	MP3C	X	-.608	-.608	0	%100
94	MP3C	Z	0	0	0	%100
95	MP5C	X	-.608	-.608	0	%100
96	MP5C	Z	0	0	0	%100
97	MP1B	X	-.608	-.608	0	%100
98	MP1B	Z	0	0	0	%100
99	MP2B	X	-.608	-.608	0	%100
100	MP2B	Z	0	0	0	%100
101	MP3B	X	-.608	-.608	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	-.608	-.608	0	%100
104	MP4B	Z	0	0	0	%100
105	MP5B	X	-.608	-.608	0	%100
106	MP5B	Z	0	0	0	%100
107	MP4C	X	-.608	-.608	0	%100
108	MP4C	Z	0	0	0	%100
109	M318	X	-.497	-.497	0	%100
110	M318	Z	0	0	0	%100
111	M111	X	-.497	-.497	0	%100
112	M111	Z	0	0	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	0	0	0	%100
115	M111A	X	-.552	-.552	0	%100
116	M111A	Z	0	0	0	%100
117	M112	X	-.552	-.552	0	%100
118	M112	Z	0	0	0	%100
119	M134	X	-.613	-.613	0	%100
120	M134	Z	0	0	0	%100
121	M135	X	-.613	-.613	0	%100
122	M135	Z	0	0	0	%100
123	M136	X	0	0	0	%100
124	M136	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,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.591	-.591	0	%100
2	M4	Z	-.341	-.341	0	%100
3	M10	X	-.167	-.167	0	%100
4	M10	Z	-.096	-.096	0	%100
5	M43	X	-.167	-.167	0	%100
6	M43	Z	-.096	-.096	0	%100
7	M46	X	-.332	-.332	0	%100
8	M46	Z	-.192	-.192	0	%100
9	M51B	X	-.185	-.185	0	%100
10	M51B	Z	-.107	-.107	0	%100
11	M52B	X	-.738	-.738	0	%100
12	M52B	Z	-.426	-.426	0	%100
13	M76	X	-.997	-.997	0	%100
14	M76	Z	-.576	-.576	0	%100
15	M77	X	-.339	-.339	0	%100
16	M77	Z	-.195	-.195	0	%100
17	M84	X	-.997	-.997	0	%100
18	M84	Z	-.576	-.576	0	%100
19	M85	X	-1.354	-1.354	0	%100
20	M85	Z	-.782	-.782	0	%100
21	M52A	X	-.591	-.591	0	%100
22	M52A	Z	-.341	-.341	0	%100
23	M53	X	-.167	-.167	0	%100
24	M53	Z	-.096	-.096	0	%100
25	M54	X	-.167	-.167	0	%100
26	M54	Z	-.096	-.096	0	%100
27	M55	X	-.332	-.332	0	%100
28	M55	Z	-.192	-.192	0	%100
29	M58A	X	-.738	-.738	0	%100
30	M58A	Z	-.426	-.426	0	%100
31	M59A	X	-.185	-.185	0	%100
32	M59A	Z	-.107	-.107	0	%100
33	M63	X	-.997	-.997	0	%100
34	M63	Z	-.576	-.576	0	%100
35	M64	X	-1.354	-1.354	0	%100
36	M64	Z	-.782	-.782	0	%100
37	M68	X	-.997	-.997	0	%100
38	M68	Z	-.576	-.576	0	%100
39	M69	X	-.339	-.339	0	%100
40	M69	Z	-.195	-.195	0	%100
41	M76A	X	0	0	0	%100
42	M76A	Z	0	0	0	%100
43	M77A	X	-.667	-.667	0	%100
44	M77A	Z	-.385	-.385	0	%100
45	M78	X	-.667	-.667	0	%100
46	M78	Z	-.385	-.385	0	%100
47	M79A	X	-1.33	-1.33	0	%100
48	M79A	Z	-.768	-.768	0	%100
49	M82	X	-.185	-.185	0	%100
50	M82	Z	-.107	-.107	0	%100
51	M83A	X	-.185	-.185	0	%100
52	M83A	Z	-.107	-.107	0	%100

Member Distributed Loads (BLC 75 : Structure Wm (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	M87	X	0	0	0	%100
54	M87	Z	0	0	0	%100
55	M88A	X	-.339	-.339	0	%100
56	M88A	Z	-.195	-.195	0	%100
57	M90	X	-.351	-.351	0	%100
58	M90	Z	-.203	-.203	0	%100
59	M92A	X	0	0	0	%100
60	M92A	Z	0	0	0	%100
61	M93	X	-.339	-.339	0	%100
62	M93	Z	-.195	-.195	0	%100
63	M66	X	-.351	-.351	0	%100
64	M66	Z	-.203	-.203	0	%100
65	M68A	X	-.351	-.351	0	%100
66	M68A	Z	-.203	-.203	0	%100
67	M70A	X	-.351	-.351	0	%100
68	M70A	Z	-.203	-.203	0	%100
69	M72	X	-1.404	-1.404	0	%100
70	M72	Z	-.81	-.81	0	%100
71	M74A	X	-1.404	-1.404	0	%100
72	M74A	Z	-.81	-.81	0	%100
73	M76B	X	-.193	-.193	0	%100
74	M76B	Z	-.111	-.111	0	%100
75	M77B	X	-.193	-.193	0	%100
76	M77B	Z	-.111	-.111	0	%100
77	M78A	X	-.771	-.771	0	%100
78	M78A	Z	-.445	-.445	0	%100
79	MP1A	X	-.509	-.509	0	%100
80	MP1A	Z	-.294	-.294	0	%100
81	MP2A	X	-.509	-.509	0	%100
82	MP2A	Z	-.294	-.294	0	%100
83	MP3A	X	-.509	-.509	0	%100
84	MP3A	Z	-.294	-.294	0	%100
85	MP4A	X	-.509	-.509	0	%100
86	MP4A	Z	-.294	-.294	0	%100
87	MP5A	X	-.509	-.509	0	%100
88	MP5A	Z	-.294	-.294	0	%100
89	MP1C	X	-.509	-.509	0	%100
90	MP1C	Z	-.294	-.294	0	%100
91	MP2C	X	-.509	-.509	0	%100
92	MP2C	Z	-.294	-.294	0	%100
93	MP3C	X	-.509	-.509	0	%100
94	MP3C	Z	-.294	-.294	0	%100
95	MP5C	X	-.509	-.509	0	%100
96	MP5C	Z	-.294	-.294	0	%100
97	MP1B	X	-.509	-.509	0	%100
98	MP1B	Z	-.294	-.294	0	%100
99	MP2B	X	-.509	-.509	0	%100
100	MP2B	Z	-.294	-.294	0	%100
101	MP3B	X	-.509	-.509	0	%100
102	MP3B	Z	-.294	-.294	0	%100
103	MP4B	X	-.509	-.509	0	%100
104	MP4B	Z	-.294	-.294	0	%100

Member Distributed Loads (BLC 75 : Structure Wm (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
105	MP5B	X	-.509	-.509	0	%100
106	MP5B	Z	-.294	-.294	0	%100
107	MP4C	X	-.509	-.509	0	%100
108	MP4C	Z	-.294	-.294	0	%100
109	M318	X	-.421	-.421	0	%100
110	M318	Z	-.243	-.243	0	%100
111	M111	X	-.421	-.421	0	%100
112	M111	Z	-.243	-.243	0	%100
113	M110A	X	-.159	-.159	0	%100
114	M110A	Z	-.092	-.092	0	%100
115	M111A	X	-.159	-.159	0	%100
116	M111A	Z	-.092	-.092	0	%100
117	M112	X	-.637	-.637	0	%100
118	M112	Z	-.368	-.368	0	%100
119	M134	X	-.177	-.177	0	%100
120	M134	Z	-.102	-.102	0	%100
121	M135	X	-.707	-.707	0	%100
122	M135	Z	-.408	-.408	0	%100
123	M136	X	-.177	-.177	0	%100
124	M136	Z	-.102	-.102	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.114	-.114	0	%100
2	M4	Z	-.197	-.197	0	%100
3	M10	X	-.289	-.289	0	%100
4	M10	Z	-.5	-.5	0	%100
5	M43	X	-.289	-.289	0	%100
6	M43	Z	-.5	-.5	0	%100
7	M46	X	-.576	-.576	0	%100
8	M46	Z	-.997	-.997	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.32	-.32	0	%100
12	M52B	Z	-.554	-.554	0	%100
13	M76	X	-.192	-.192	0	%100
14	M76	Z	-.332	-.332	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	-.192	-.192	0	%100
18	M84	Z	-.332	-.332	0	%100
19	M85	X	-.586	-.586	0	%100
20	M85	Z	-1.016	-1.016	0	%100
21	M52A	X	-.455	-.455	0	%100
22	M52A	Z	-.788	-.788	0	%100
23	M53	X	0	0	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	0	0	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	0	0	0	%100
28	M55	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,...	Start Location[ft,%]	End Location[ft,%]
29	M58A	X	-.32	-.32	0	%100
30	M58A	Z	-.554	-.554	0	%100
31	M59A	X	-.32	-.32	0	%100
32	M59A	Z	-.554	-.554	0	%100
33	M63	X	-.768	-.768	0	%100
34	M63	Z	-1.33	-1.33	0	%100
35	M64	X	-.586	-.586	0	%100
36	M64	Z	-1.016	-1.016	0	%100
37	M68	X	-.768	-.768	0	%100
38	M68	Z	-1.33	-1.33	0	%100
39	M69	X	-.586	-.586	0	%100
40	M69	Z	-1.016	-1.016	0	%100
41	M76A	X	-.114	-.114	0	%100
42	M76A	Z	-.197	-.197	0	%100
43	M77A	X	-.289	-.289	0	%100
44	M77A	Z	-.5	-.5	0	%100
45	M78	X	-.289	-.289	0	%100
46	M78	Z	-.5	-.5	0	%100
47	M79A	X	-.576	-.576	0	%100
48	M79A	Z	-.997	-.997	0	%100
49	M82	X	-.32	-.32	0	%100
50	M82	Z	-.554	-.554	0	%100
51	M83A	X	0	0	0	%100
52	M83A	Z	0	0	0	%100
53	M87	X	-.192	-.192	0	%100
54	M87	Z	-.332	-.332	0	%100
55	M88A	X	-.586	-.586	0	%100
56	M88A	Z	-1.016	-1.016	0	%100
57	M90	X	-.608	-.608	0	%100
58	M90	Z	-1.053	-1.053	0	%100
59	M92A	X	-.192	-.192	0	%100
60	M92A	Z	-.332	-.332	0	%100
61	M93	X	0	0	0	%100
62	M93	Z	0	0	0	%100
63	M66	X	-.608	-.608	0	%100
64	M66	Z	-1.053	-1.053	0	%100
65	M68A	X	0	0	0	%100
66	M68A	Z	0	0	0	%100
67	M70A	X	0	0	0	%100
68	M70A	Z	0	0	0	%100
69	M72	X	-.608	-.608	0	%100
70	M72	Z	-1.053	-1.053	0	%100
71	M74A	X	-.608	-.608	0	%100
72	M74A	Z	-1.053	-1.053	0	%100
73	M76B	X	-.334	-.334	0	%100
74	M76B	Z	-.578	-.578	0	%100
75	M77B	X	0	0	0	%100
76	M77B	Z	0	0	0	%100
77	M78A	X	-.334	-.334	0	%100
78	M78A	Z	-.578	-.578	0	%100
79	MP1A	X	-.274	-.274	0	%100
80	MP1A	Z	-.475	-.475	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
81	MP2A	X	-.274	-.274	0	%100
82	MP2A	Z	-.475	-.475	0	%100
83	MP3A	X	-.274	-.274	0	%100
84	MP3A	Z	-.475	-.475	0	%100
85	MP4A	X	-.274	-.274	0	%100
86	MP4A	Z	-.475	-.475	0	%100
87	MP5A	X	-.274	-.274	0	%100
88	MP5A	Z	-.475	-.475	0	%100
89	MP1C	X	-.274	-.274	0	%100
90	MP1C	Z	-.475	-.475	0	%100
91	MP2C	X	-.274	-.274	0	%100
92	MP2C	Z	-.475	-.475	0	%100
93	MP3C	X	-.274	-.274	0	%100
94	MP3C	Z	-.475	-.475	0	%100
95	MP5C	X	-.274	-.274	0	%100
96	MP5C	Z	-.475	-.475	0	%100
97	MP1B	X	-.274	-.274	0	%100
98	MP1B	Z	-.475	-.475	0	%100
99	MP2B	X	-.274	-.274	0	%100
100	MP2B	Z	-.475	-.475	0	%100
101	MP3B	X	-.274	-.274	0	%100
102	MP3B	Z	-.475	-.475	0	%100
103	MP4B	X	-.274	-.274	0	%100
104	MP4B	Z	-.475	-.475	0	%100
105	MP5B	X	-.274	-.274	0	%100
106	MP5B	Z	-.475	-.475	0	%100
107	MP4C	X	-.274	-.274	0	%100
108	MP4C	Z	-.475	-.475	0	%100
109	M318	X	-.233	-.233	0	%100
110	M318	Z	-.403	-.403	0	%100
111	M111	X	-.233	-.233	0	%100
112	M111	Z	-.403	-.403	0	%100
113	M110A	X	-.276	-.276	0	%100
114	M110A	Z	-.478	-.478	0	%100
115	M111A	X	0	0	0	%100
116	M111A	Z	0	0	0	%100
117	M112	X	-.276	-.276	0	%100
118	M112	Z	-.478	-.478	0	%100
119	M134	X	0	0	0	%100
120	M134	Z	0	0	0	%100
121	M135	X	-.306	-.306	0	%100
122	M135	Z	-.53	-.53	0	%100
123	M136	X	-.306	-.306	0	%100
124	M136	Z	-.53	-.53	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M58A	Y	-1.665	-4.226	0	.832
2	M58A	Y	-4.226	-6.901	.832	1.665
3	M58A	Y	-6.901	-8.189	1.665	2.497
4	M58A	Y	-8.189	-6.544	2.497	3.329

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
5	M58A	Y	-6.544	-3.463	3.329	4.162
6	M59A	Y	-3.469	-6.578	0	.832
7	M59A	Y	-6.578	-8.256	.832	1.665
8	M59A	Y	-8.256	-7.041	1.665	2.497
9	M59A	Y	-7.041	-4.429	2.497	3.329
10	M59A	Y	-4.429	-1.881	3.329	4.162
11	M82	Y	-1.883	-4.428	0	.832
12	M82	Y	-4.428	-7.048	.832	1.665
13	M82	Y	-7.048	-8.261	1.665	2.497
14	M82	Y	-8.261	-6.572	2.497	3.329
15	M82	Y	-6.572	-3.462	3.329	4.162
16	M83A	Y	-3.463	-6.544	0	.832
17	M83A	Y	-6.544	-8.187	.832	1.665
18	M83A	Y	-8.187	-6.899	1.665	2.497
19	M83A	Y	-6.899	-4.227	2.497	3.329
20	M83A	Y	-4.227	-1.664	3.329	4.162
21	M51B	Y	-1.884	-4.426	0	.832
22	M51B	Y	-4.426	-7.044	.832	1.665
23	M51B	Y	-7.044	-8.26	1.665	2.497
24	M51B	Y	-8.26	-6.573	2.497	3.329
25	M51B	Y	-6.573	-3.462	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	-6.902	1.665	2.497
29	M52B	Y	-6.902	-4.228	2.497	3.329
30	M52B	Y	-4.228	-1.661	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,...	Start Location[ft,%]	End Location[ft,%]
1	M58A	Y	-3.514	-8.944	0	.832
2	M58A	Y	-8.944	-14.6	.832	1.665
3	M58A	Y	-14.6	-17.322	1.665	2.497
4	M58A	Y	-17.322	-13.844	2.497	3.329
5	M58A	Y	-13.844	-7.326	3.329	4.162
6	M59A	Y	-7.323	-13.905	0	.832
7	M59A	Y	-13.905	-17.474	.832	1.665
8	M59A	Y	-17.474	-14.902	1.665	2.497
9	M59A	Y	-14.902	-9.363	2.497	3.329
10	M59A	Y	-9.363	-3.986	3.329	4.162
11	M82	Y	-3.983	-9.366	0	.832
12	M82	Y	-9.366	-14.909	.832	1.665
13	M82	Y	-14.909	-17.475	1.665	2.497
14	M82	Y	-17.475	-13.902	2.497	3.329
15	M82	Y	-13.902	-7.324	3.329	4.162
16	M83A	Y	-7.326	-13.844	0	.832
17	M83A	Y	-13.844	-17.319	.832	1.665
18	M83A	Y	-17.319	-14.595	1.665	2.497
19	M83A	Y	-14.595	-8.942	2.497	3.329
20	M83A	Y	-8.942	-3.519	3.329	4.162
21	M51B	Y	-3.986	-9.363	0	.832
22	M51B	Y	-9.363	-14.902	.832	1.665

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
23	M51B	Y	-14.902	-17.474	1.665	2.497
24	M51B	Y	-17.474	-13.905	2.497	3.329
25	M51B	Y	-13.905	-7.323	3.329	4.162
26	M52B	Y	-7.326	-13.844	0	.832
27	M52B	Y	-13.844	-17.322	.832	1.665
28	M52B	Y	-17.322	-14.6	1.665	2.497
29	M52B	Y	-14.6	-8.944	2.497	3.329
30	M52B	Y	-8.944	-3.514	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

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

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113	N111	N89	N90	Y	Two Way	-.011
2	N117	N139	N141	N118	Y	Two Way	-.011
3	N7	N6	N87C	N87B	Y	Two Way	-.011

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	1149.113	10	2462.76	13	2391.874	1	4.93	1	1.422	4	.367	4
2		min	-1143.436	4	213.472	7	-2488.043	7	-1.052	7	-1.411	10	-.206	10
3	N87D	max	1977.9	9	2340.254	21	1251.176	1	.529	3	1.351	12	.845	3
4		min	-2063.933	3	146.01	3	-1207.821	7	-2.333	9	-1.338	6	-4.229	9
5	N115	max	2156.484	11	2472.61	17	1511.508	1	.494	11	1.447	8	4.246	5
6		min	-2076.686	5	197.169	11	-1458.693	7	-2.804	29	-1.435	2	-.96	11
7	Totals:	max	5171.739	10	6608.424	19	5154.557	1						
8		min	-5171.741	4	3166.999	1	-5154.557	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	M4	HSS4X4X4	.315	0	1	.077	0	y	14	124657....	139518	16.181	16.181	2...	H1-1b
2	M10	HSS4X4X4	.166	2.375	14	.050	2.375	y	14	136263....	139518	16.181	16.181	1...	H1-1b
3	M43	HSS4X4X4	.167	0	24	.048	0	y	24	136263....	139518	16.181	16.181	1...	H1-1b
4	M46	PL1/2x6	.165	.516	1	.135	0	y	10	66009.2...	97200	1.012	12.15	1...	H1-1b
5	M51B	L2x2x3	.136	4.162	2	.012	4.162	y	16	9823.122	23392.8	.558	1.09	1...	H2-1
6	M52B	L2x2x3	.136	4.162	12	.013	4.162	y	21	9823.122	23392.8	.558	1.092	1...	H2-1
7	M76	PL3/8x6	.362	0	4	.214	0	y	17	70647.0...	72900	.57	9.113	1...	H1-1b
8	M77	PL3/8x6	.224	.167	8	.333	0	y	14	71583.5...	72900	.57	9.113	1...	H1-1b
9	M84	PL3/8x6	.287	0	10	.234	0	y	21	70647.0...	72900	.57	9.113	1...	H1-1b
10	M85	PL3/8x6	.220	.167	7	.330	0	y	24	71583.5...	72900	.57	9.113	1...	H1-1b
11	M52A	HSS4X4X4	.307	0	9	.069	0	y	22	124657....	139518	16.181	16.181	2...	H1-1b
12	M53	HSS4X4X4	.167	2.375	22	.050	2.375	y	22	136263....	139518	16.181	16.181	1...	H1-1b
13	M54	HSS4X4X4	.168	0	20	.048	0	y	20	136263....	139518	16.181	16.181	1...	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
14	M55	PL1/2x6	.170	.516	9	.135	0	y	6	66009.2...	97200	1.012	12.15	1...	H1-1b
15	M58A	L2x2x3	.138	4.162	10	.012	4.162	y	24	9823.122	23392.8	.558	1.092	1...	H2-1
16	M59A	L2x2x3	.137	0	9	.013	4.162	y	17	9823.122	23392.8	.558	1.078	1...	H2-1
17	M63	PL3/8x6	.362	0	12	.216	0	y	13	70647.0...	72900	.57	9.113	1...	H1-1b
18	M64	PL3/8x6	.228	.167	4	.336	0	y	22	71583.5...	72900	.57	9.113	1...	H1-1b
19	M68	PL3/8x6	.288	0	6	.234	0	y	17	70647.0...	72900	.57	9.113	1...	H1-1b
20	M69	PL3/8x6	.225	.167	3	.332	0	y	20	71583.5...	72900	.57	9.113	1...	H1-1b
21	M76A	HSS4X4X4	.317	0	5	.094	0	y	42	124657....	139518	16.181	16.181	2...	H1-1b
22	M77A	HSS4X4X4	.167	2.375	18	.050	2.375	y	18	136263....	139518	16.181	16.181	1...	H1-1b
23	M78	HSS4X4X4	.168	0	16	.048	0	y	16	136263....	139518	16.181	16.181	1...	H1-1b
24	M79A	PL1/2x6	.170	.516	5	.153	.516	y	26	66009.2...	97200	1.012	12.15	1...	H1-1b
25	M82	L2x2x3	.136	4.162	5	.012	4.162	y	21	9823.122	23392.8	.558	1.078	1...	H2-1
26	M83A	L2x2x3	.138	4.162	4	.013	4.162	y	13	9823.122	23392.8	.558	1.092	1...	H2-1
27	M87	PL3/8x6	.362	0	8	.215	0	y	22	70647.0...	72900	.57	9.113	1...	H1-1b
28	M88A	PL3/8x6	.227	.167	11	.334	0	y	18	71583.5...	72900	.57	9.113	1...	H1-1b
29	M90	PL1/2x6	.068	.125	5	.144	0	y	27	96649.1...	97200	1.012	12.15	1...	H1-1b
30	M92A	PL3/8x6	.285	0	2	.236	0	y	13	70647.0...	72900	.57	9.113	1...	H1-1b
31	M93	PL3/8x6	.226	.167	11	.332	0	y	16	71583.5...	72900	.57	9.113	1...	H1-1b
32	M66	PL1/2x6	.072	.125	9	.118	.125	y	5	96649.1...	97200	1.012	12.15	1...	H1-1b
33	M68A	PL1/2x6	.067	.125	1	.103	0	y	11	96649.1...	97200	1.012	12.15	1...	H1-1b
34	M70A	PL1/2x6	.072	.125	5	.115	.125	y	1	96649.1...	97200	1.012	12.15	1...	H1-1b
35	M72	PL1/2x6	.068	.125	9	.102	0	y	7	96649.1...	97200	1.012	12.15	1...	H1-1b
36	M74A	PL1/2x6	.070	.125	1	.117	.125	y	9	96649.1...	97200	1.012	12.15	1...	H1-1b
37	M76B	PIPE_3.0	.161	9.667	9	.078	11.3...		7	21266.02	65205	5.749	5.749	1...	H1-1b
38	M77B	PIPE_3.0	.162	9.667	5	.079	11.3...		3	21266.02	65205	5.749	5.749	1...	H1-1b
39	M78A	PIPE_3.0	.160	9.667	1	.079	11.3...		11	21266.02	65205	5.749	5.749	1...	H1-1b
40	MP1A	PIPE_2.0	.234	5.25	9	.143	2.25		8	20866.7...	32130	1.872	1.872	2...	H1-1b
41	MP2A	PIPE_2.0	.348	5.25	9	.122	5.25		7	20866.7...	32130	1.872	1.872	2...	H1-1b
42	MP3A	PIPE_2.0	.457	4.302	10	.090	4.375		5	17855.0...	32130	1.872	1.872	1...	H1-1b
43	MP4A	PIPE_2.0	.378	5.906	5	.114	5.906		7	17855.0...	32130	1.872	1.872	1.9	H1-1b
44	MP5A	PIPE_2.0	.288	2.25	7	.157	2.25		7	20866.7...	32130	1.872	1.872	2...	H1-1b
45	MP1C	PIPE_2.0	.235	2.25	4	.145	2.25		4	20866.7...	32130	1.872	1.872	3...	H1-1b
46	MP2C	PIPE_2.0	.349	5.25	5	.123	5.25		3	20866.7...	32130	1.872	1.872	2...	H1-1b
47	MP3C	PIPE_2.0	.448	4.302	6	.090	4.375		5	17855.0...	32130	1.872	1.872	1...	H1-1b
48	MP5C	PIPE_2.0	.299	2.25	3	.159	2.25		3	20866.7...	32130	1.872	1.872	1...	H1-1b
49	MP1B	PIPE_2.0	.233	5.25	1	.143	2.25		12	20866.7...	32130	1.872	1.872	2...	H1-1b
50	MP2B	PIPE_2.0	.345	5.25	1	.123	5.25		11	20866.7...	32130	1.872	1.872	2...	H1-1b
51	MP3B	PIPE_2.0	.448	4.302	2	.090	4.375		9	17855.0...	32130	1.872	1.872	2...	H1-1b
52	MP4B	PIPE_2.0	.378	5.25	9	.115	5.25		11	20866.7...	32130	1.872	1.872	2...	H1-1b
53	MP5B	PIPE_2.0	.314	2.25	10	.159	2.25		11	20866.7...	32130	1.872	1.872	1...	H1-1b
54	MP4C	PIPE_2.0	.371	5.25	1	.115	5.25		3	20866.7...	32130	1.872	1.872	2...	H1-1b
55	M318	PIPE_2.0	.093	2.5	1	.017	2.5		1	28843.4...	32130	1.872	1.872	1	H1-1b
56	M111	PIPE_2.0	.093	2.5	7	.017	2.5		7	28843.4...	32130	1.872	1.872	1...	H1-1b
57	M110A	PIPE_2.5	.198	13.141	5	.116	1.51		1	10819.5...	50715	3.596	3.596	1...	H1-1b
58	M111A	PIPE_2.5	.195	13.141	1	.117	1.51		9	10819.5...	50715	3.596	3.596	1.3	H1-1b
59	M112	PIPE_2.5	.198	13.141	9	.117	1.51		5	10819.5...	50715	3.596	3.596	1...	H1-1b
60	M134	L3X3X4	.322	0	7	.110	0	y	6	45517.0...	46656	1.688	3.756	1...	H2-1
61	M135	L3X3X4	.323	0	3	.109	0	y	2	45517.0...	46656	1.688	3.756	1...	H2-1
62	M136	L3X3X4	.324	0	11	.111	0	y	10	45517.0...	46656	1.688	3.756	1...	H2-1

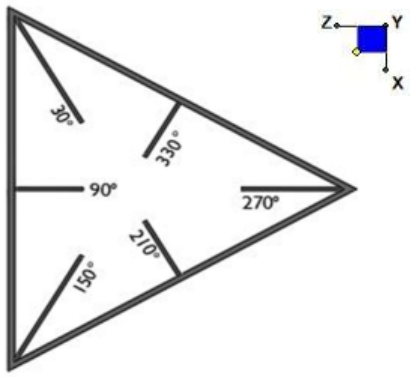
Client:	Verizon Wireless	Date:	1/21/2021
Site Name:	BERLIN 4 CT		
Project No.	20777353A		
Title:	Antenna Mount Fix	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

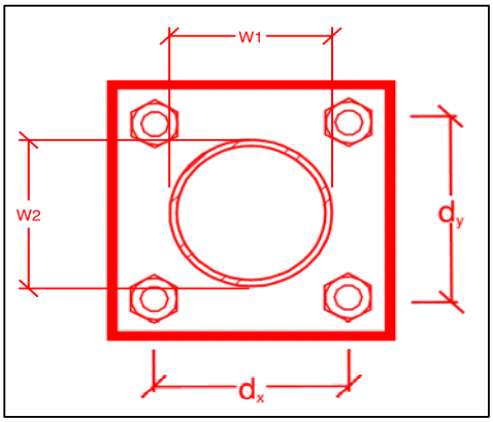
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N87D	30
N3	270
N115	150



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)* :	8
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	8
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	17.3
Required Shear Strength (kips):	3.7
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**20.9%***
Shear Capacity Overall:	**7.5%**



**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):	3
Phi*Rn (kip/in):	4.18
Required Weld Strength (kip/in):	2.95
Plate Bending Capacity:	**54.9%**
Weld Capacity:	**70.6%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	17.3
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 TES 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 TES 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 TES.

    - 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 TES 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 TES 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 TES 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:

1. Install (2) new OVPs on to the new OVP pipes in alpha and gamma sectors.
2. Contractor to install safety climb cable guide (SitePro1 Part #115-352 or EOR approved equivalent) in locations where wire rope is rubbing against mount collar. Contractor to provide photos of safety climb cable guide installation.

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: 467999-VZW - Berlin 4 CT

Sector: **A**

Structure Type: Monopole

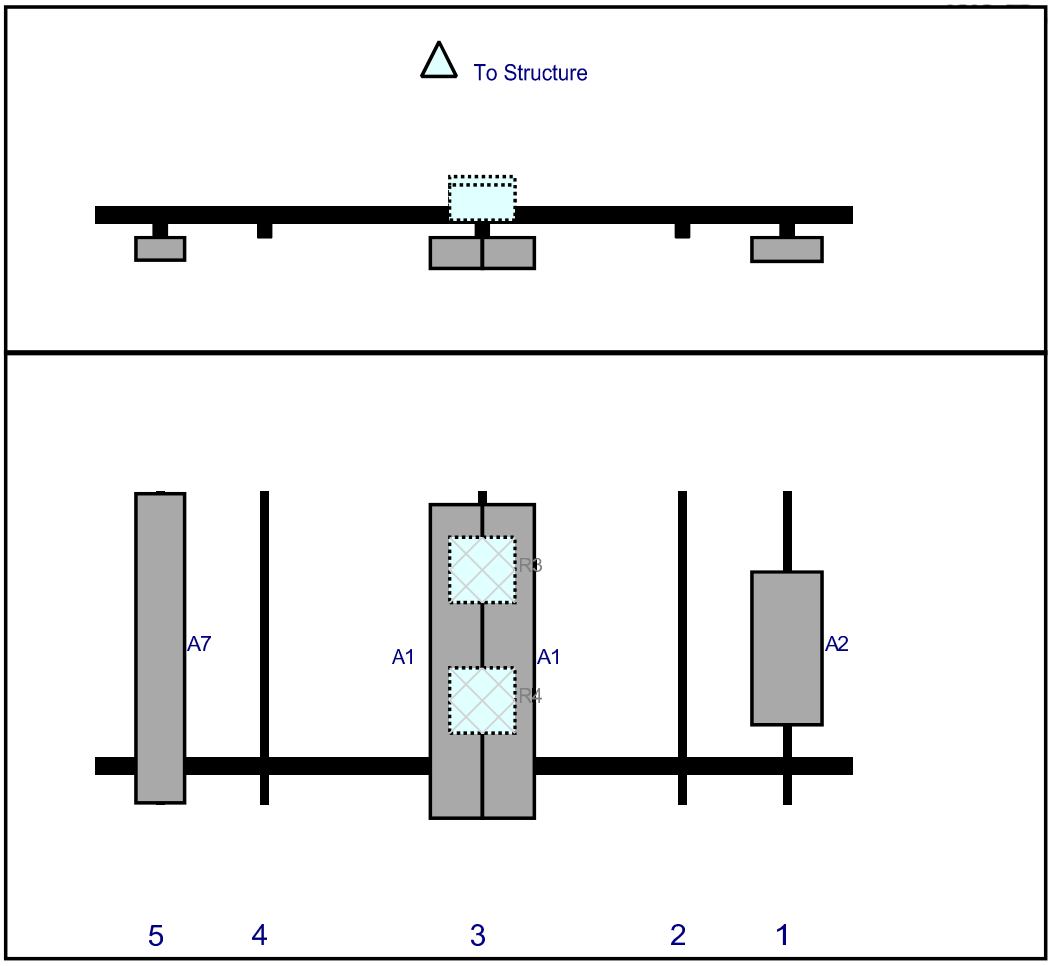
Mount Elev: 116.00

1/21/2021

MASER CONSULTING CONNECTICUT

Plan View

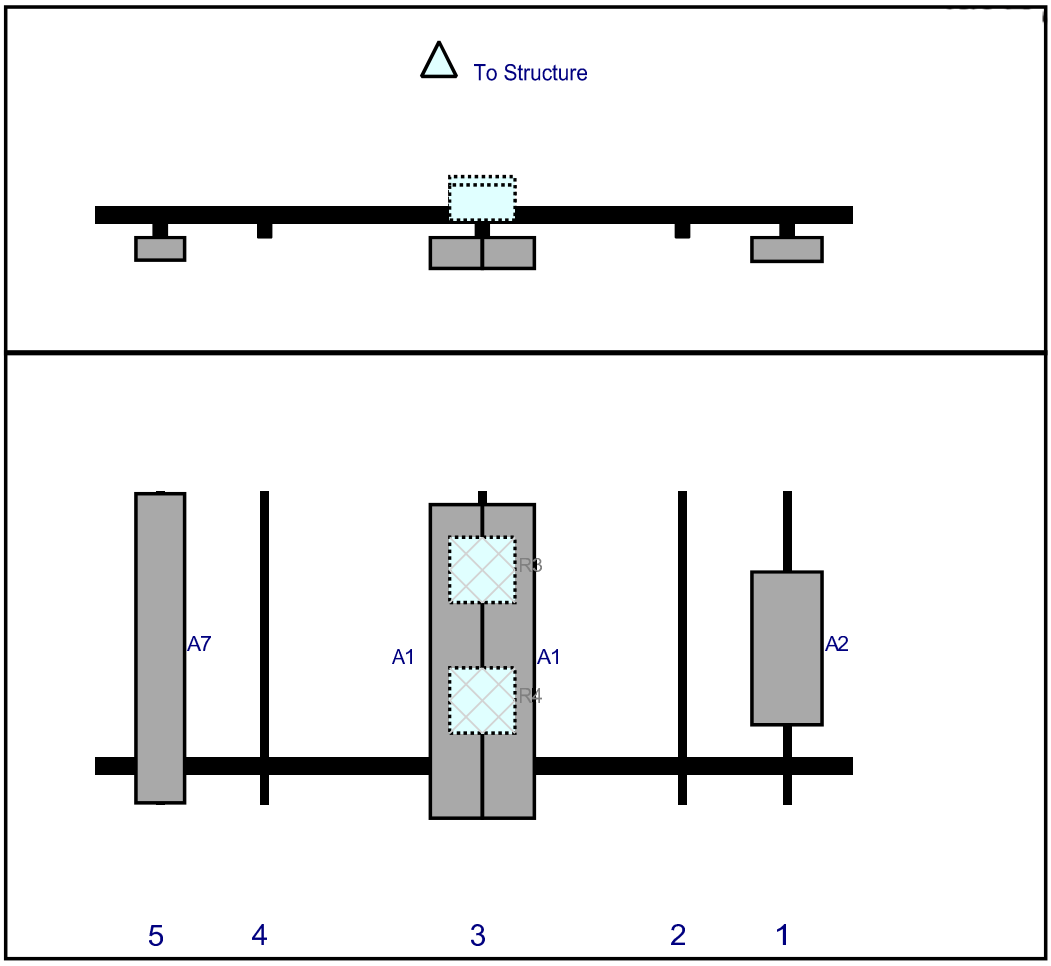
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	Licensed Sub 6 Antenna	35.1	16.1	159	1	a	Front	36	0	Added	
A1	NHH-65B-R2B	72	11.9	89	3	a	Front	39	6	Added	
A1	NHH-65B-R2B	72	11.9	89	3	b	Front	39	-6	Added	
R3	B2/B66A RRH-BR049	15	15	89	3	a	Behind	18	0	Added	
R4	B5/B13 RRH-BR04C	15	15	89	3	a	Behind	48	0	Added	
A7	BXA-70063-6CF-EDIN-0	71	11.2	15	5	a	Front	36	0	Retained	12/01/2020

Plan View

Front View
Looking at Structure



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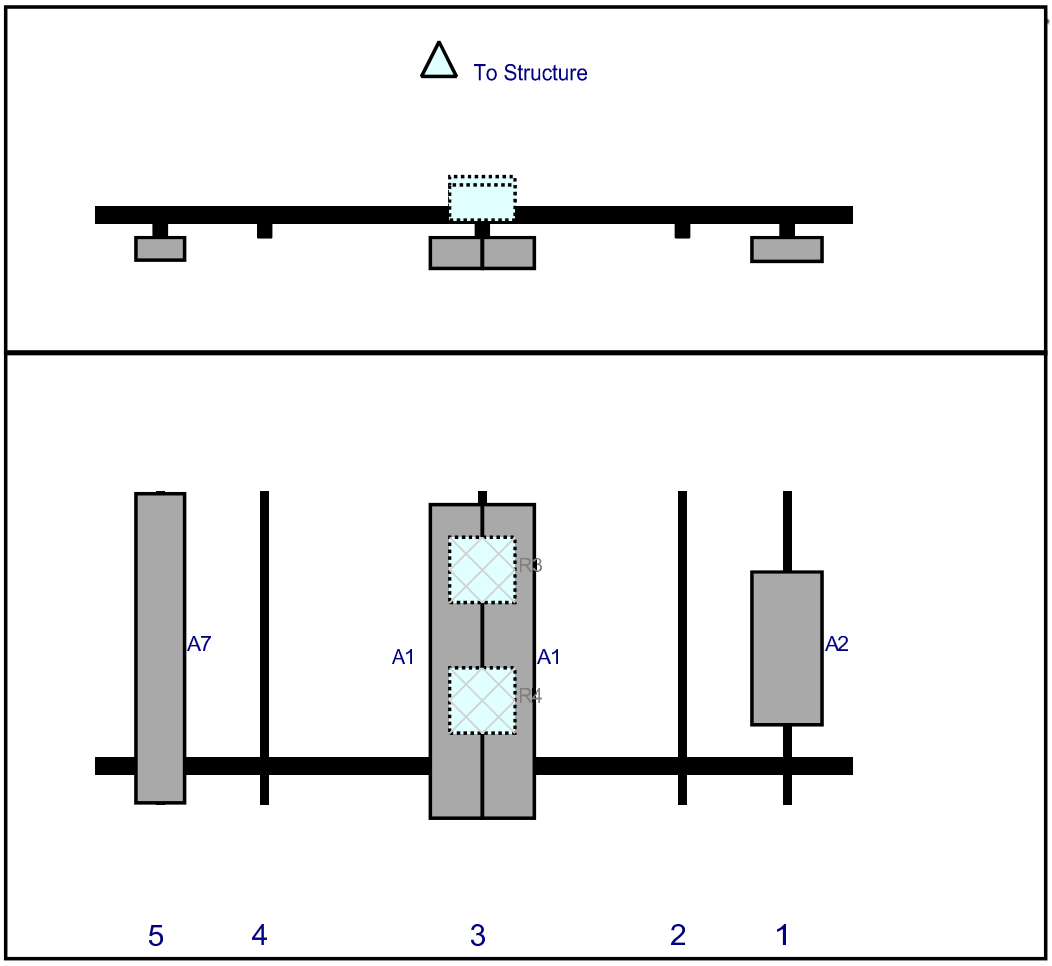
Plan View

Front View
Looking at Structure



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R4	B5/B13 RRH-BR04C	15	15	89	3	a	Behind	48	0	Added	
A7	BXA-70063-6CF-EDIN-0	71	11.2	15	5	a	Front	36	0	Retained	12/01/2020

Maser Consulting Connecticut

Subject	TIA-222-H Usage
Site Information	Site ID: 467999-VZW / BERLIN 4 CT Site Name: BERLIN 4 CT Carrier Name: Verizon Wireless Address: 1657 Berlin Turnpike Berlin, Connecticut 06037 Hartford County Latitude: 41.606217° Longitude: -72.749686°
Structure Information	Tower Type: 150-Ft Monopole Mount Type: 14.50-Ft Platform

To Whom It May Concern,

We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

The 2015 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. The TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

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

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

Sincerely,

Michael Cleary, P.E.
Principal Associate\Telecommunications Department Manager

MASER CONSULTING
— CONNECTICUT—

331 Newman Springs Road, Suite 203
Red Bank, NJ 07701
T: 732.383.1950
www.maserconsulting.com

March 29, 2021

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

Re: Verizon Wireless antenna Model Clarification for CT Siting Council

Dear Mr. Leone,

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

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

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

Very truly yours,
MASER CONSULTING CONNECTICUT

Petros Toukalas
Connecticut Professional Engineer
License Number: 32577

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 THATMAY 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 THESATISFACTION 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 14.5' PLATFORM MOUNT

SITE NAME: BERLIN 4 CT
SITE NUMBER: 467999

1657 BERLIN TPKE
BERLIN, CT 06037
HARTFORD COUNTY

PROJECT INFORMATION

SITE INFORMATION	
LATITUDE:	41.606217° N
LONGITUDE:	72.749686° W
JURISDICTION	HARTFORD COUNTY
APPLICANT/LESSEE	
COMPANY	VERIZON WIRELESS
CLIENT REPRESENTATIVE	
COMPANY	VERIZON WIRELESS
ADDRESS	118 FLANDERS ROAD, 3RD FLOOR
CITY, STATE, ZIP	WESTBOROUGH, MA 01518
CONTACT	ANDREW CANDIELLO
E-MAIL	ANDREW.CANDIELLO@VERIZONWIRELESS.COM
PROJECT MANAGER	
COMPANY	MASER CONSULTING
CONTACT	GREG DULNIK
PHONE	(615) 686-2575
E-MAIL	GDULNIK@MASERCONSULTING.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 #	10030682
VZW LOCATION CODE (PSLC)	467999
FUZE ID	16244661

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT

SMART TOOL PROJECT #	10019430
MASER CONSULTING PROJECT #	20777353A
ANALYSIS DATE	12/15/2020

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FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN | JOB NUMBER: 20777353A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	1/28/2021	ISSUED FOR CONSTRUCTION	DEH	MPC

STATE OF CONNECTICUT — MICHAEL CLEARY — LICENSED PROFESSIONAL ENGINEER

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:
BERLIN 4 CT
467999
1657 BERLIN TPKE
BERLIN, CT 06037
HARTFORD COUNTY

MT. LAUREL OFFICE
3000 Atlantic 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
15	VZWSMART	VZWSMART-MSK1	CROSSOVER PLATE	
3		VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKET	

OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	-	-	174" LONG, P2.5 STD PIPE	GALVANIZED
2	-	-	36" LONG, P2.0 STD PIPE	GALVANIZED
3	-	-	15" L3X3X4	TRIM AS REQUIRED
2	SITE PRO 1	SQCX4-K	CROSSOVER PLATE KIT	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING TO OBTAIN APPROVAL OF SUBSTITUTION
1	SITE PRO 1	120-123/317	CABLE GUIDE	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING TO OBTAIN APPROVAL OF SUBSTITUTION

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: AS SHOWN
JOB NUMBER: 20777353A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	1/28/2021	ISSUED FOR CONSTRUCTION	DEH	MPC

STATE OF CONNECTICUT — MICHAEL CLEARY — LICENSED PROFESSIONAL ENGINEER

Michael J. Cleary, PE
CERTIFICATE # LICENSED PROFESSIONAL ENGINEER
LICENSE NO. PEC 23102
MASER CONSULTING, P.A.

SITE NAME:

BERLIN 4 CT
467999

1657 BERLIN TPKE
BERLIN, CT 06037
HARTFORD COUNTY

MT. LAUREL OFFICE
3000 Atrium 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 C

c. TOPOGRAPHIC CATEGORY I

d. MEAN BASE ELEVATION (AMSL) = 144.79'

ICE LOADS

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

b. ICE THICKNESS = 1.0 IN

SEISMIC LOADS

a. SEISMIC DESIGN CATEGORY B

b. SHORT TERM MCER GROUND MOTION, S_s = .202

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 GDULNIK@MASERCONSULTING.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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STATE OF CONNECTICUT · MICHAEL CLEARY · No. 33102 · LICENSED · PROFESSIONAL ENGINEER

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:

BERLIN 4 CT
467999

1657 BERLIN TPKE
BERLIN, CT 06037
HARTFORD 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 THROUGHOLT 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 ONSITE.

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:

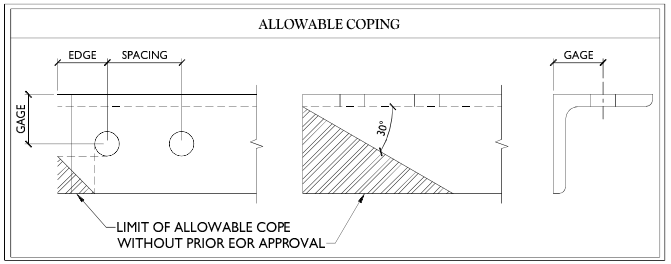
- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.

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:

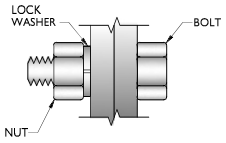
- PRE-CONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
  - RAW MATERIALS
  - PHOTOS OF ALL CRITICAL DETAILS
  - FOUNDATION MODIFICATIONS
  - WELD PREPARATION
  - BOLT INSTALLATION
  - FINAL INSTALLED CONDITION
  - SURFACE COATING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

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



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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SITE NAME:

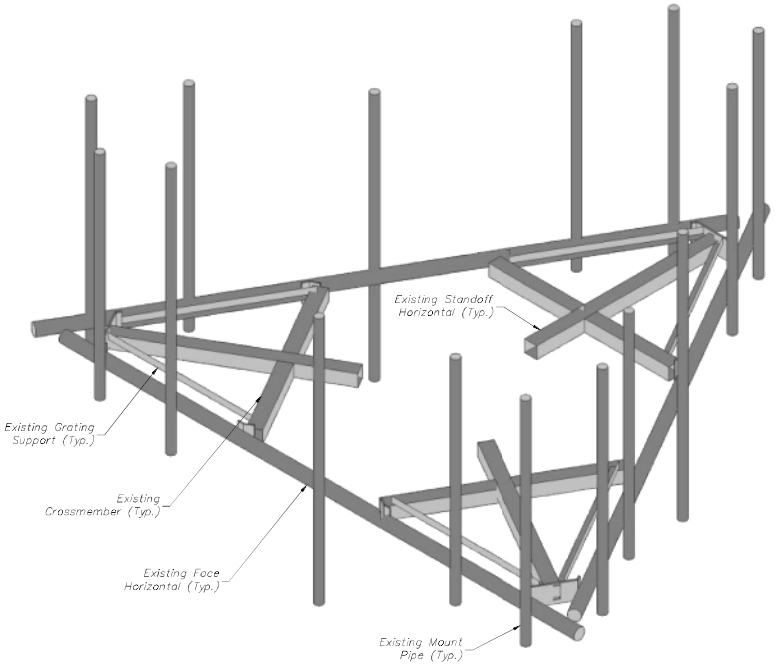
BERLIN 4 CT
467999

1657 BERLIN TPKE
BERLIN, CT 06037
HARTFORD COUNTY

MT. LAUREL OFFICE
3000 Atlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

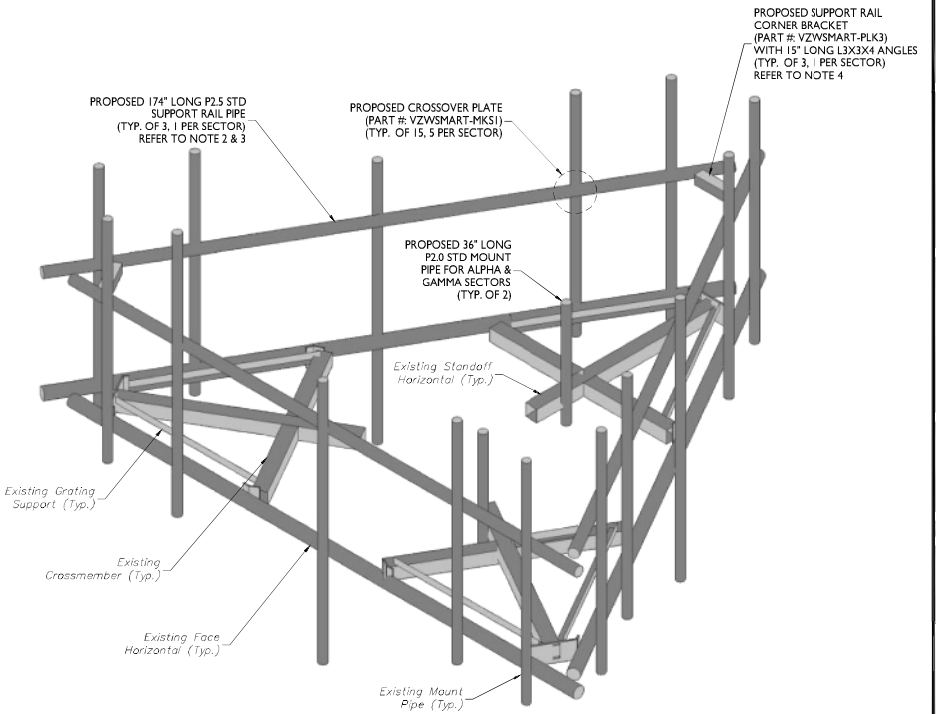
SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: S-3



1 EXISTING FRAME ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED FRAME ISOMETRIC VIEW

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY TOWER ENGINEERING PROFESSIONALS ON 12/01/2020, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (116'-0") 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. 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.
3. CONNECT NEW HORIZONTAL TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1).
4. CONTRACTOR TO TRIM AS REQURIED

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STATE OF CONNECTICUT
MICHAEL CLEARY
Michael Cleary, P.E.
LICENSED PROFESSIONAL ENGINEER
LICENSE NO. PEC.0029102
MASER CONSULTING
LICENSED PROFESSIONAL ENGINEER

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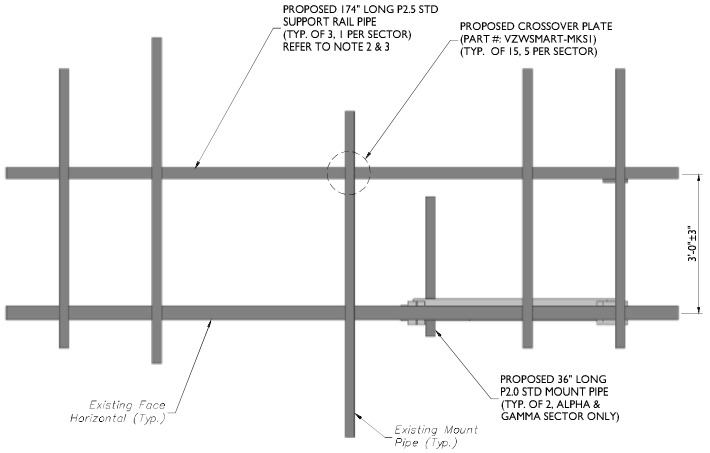
467999

1657 BERLIN TPKE
BERLIN, CT 06037
HARTFORD COUNTY

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

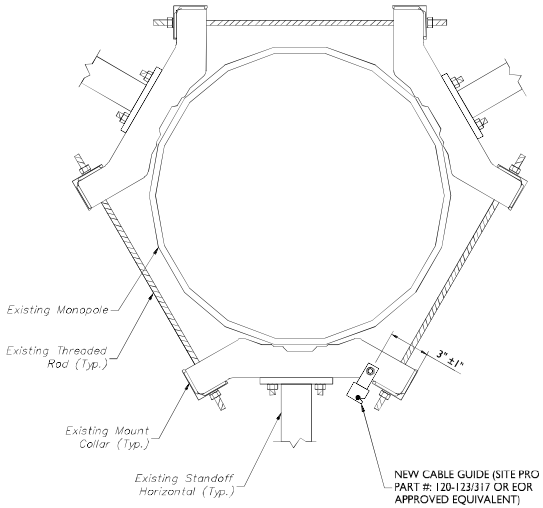
SHEET TITLE:
MODIFICATION DETAILS

SHEET NUMBER:
S-4

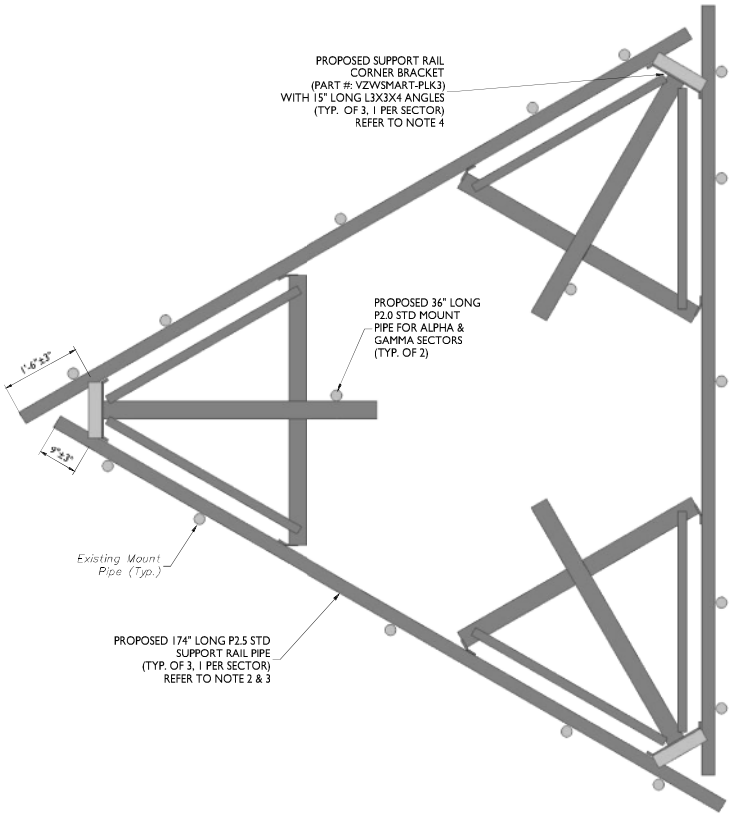


1 PROPOSED FRONT ELEVATION VIEW (TYP. ALL SECTORS)

SCALE : N.T.S.



3 CABLE GUIDE COLLAR ATTACHMENT - PLAN VIEW



2 PROPOSED FRAME PLAN VIEW

SCALE : N.T.S.

MODIFICATION NOTES:

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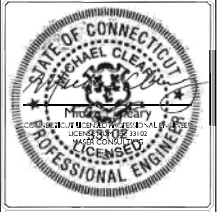


Michael Cleary
LICENSED PROFESSIONAL ENGINEER
LICENSE NO. PEC.0021510
MASER CONSULTING

SITE NAME:

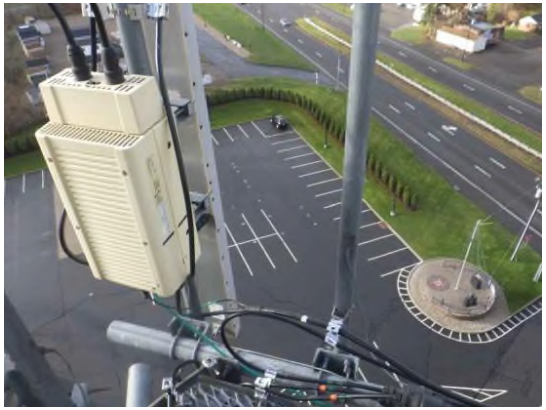
BERLIN 4 CT
467999

1657 BERLIN TPKE
BERLIN, CT 06037
HARTFORD COUNTY

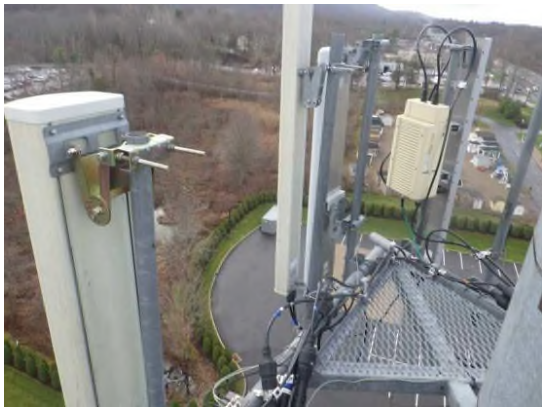
MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE:
MODIFICATION DETAILS

SHEET NUMBER:
S-5



MOUNT PHOTO 1



MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

MASER CONSULTING
CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
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- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE.
Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN
JOB NUMBER: 20777353A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
			.	.
			.	.
			.	.
0	1/28/2021	ISSUED FOR CONSTRUCTION	DEH	MPC

STATE OF CONNECTICUT
MICHAEL CLEARY
PROFESSIONAL ENGINEER
LICENSED

Michael J. Cleary, PE
CONNECTICUT LICENSED PROFESSIONAL ENGINEER
LICENSE NO. 31102
MASER CONSULTING P.A.

SITE NAME:

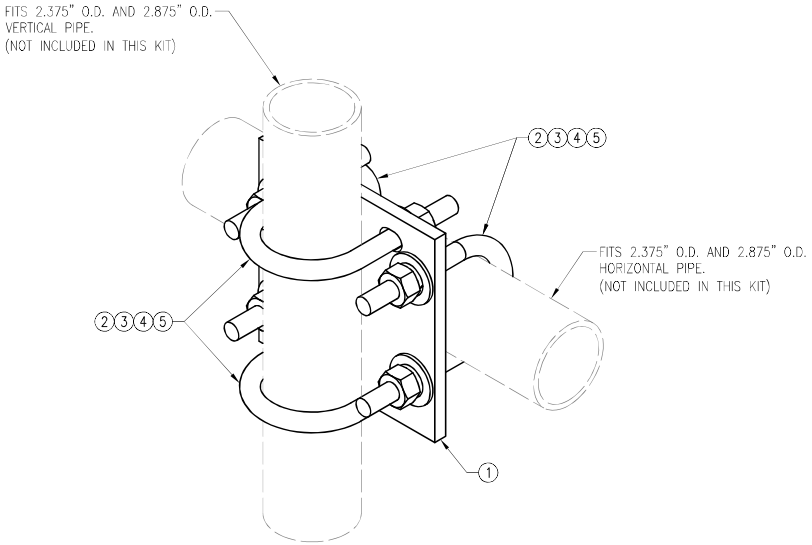
BERLIN 4 CT
467999

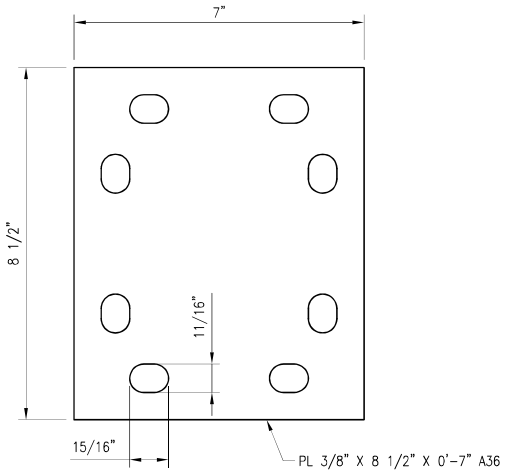
1657 BERLIN TPKE
BERLIN, CT 06037
HARTFORD COUNTY

MT. LAUREL OFFICE
3000 Atrium Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: MOUNT PHOTOS

SHEET NUMBER: S-6





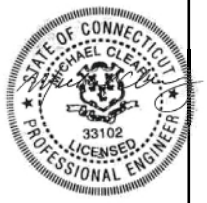
PL375-857

VZWSMART-MSK1 (CROSSOVER PLATE)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-857	PL 3/8" X 8 1/2" X 0'-7" A36	MSK1-F1	6
2	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
3	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	8	LW-625	5/8" HDG LOCK WASHER	---	0
5	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	14

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

VzW SMART Tool© Vendor

verizon



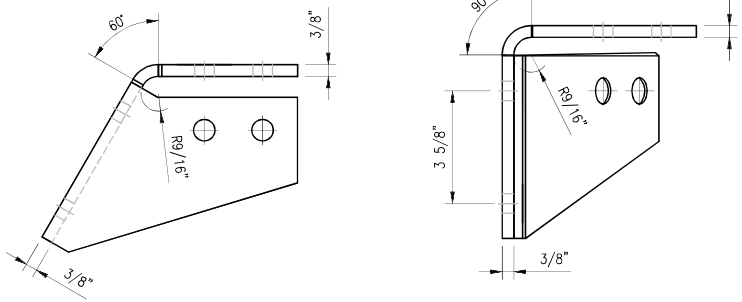
DRAWN BY: H.R | CHECKED BY: HMA

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

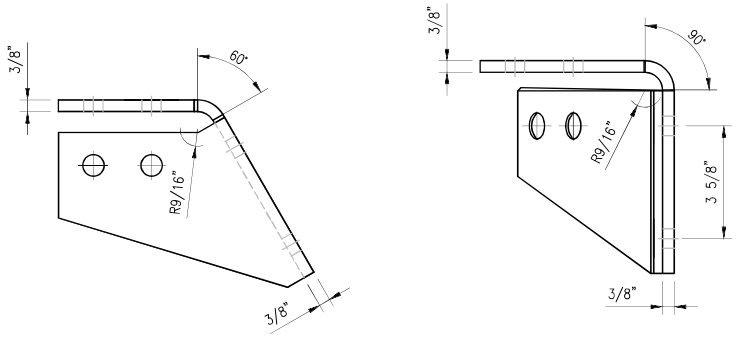
SHEET TITLE:
VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER: VZWSMART-MSK1

REV #: 0



CBP-L



CBP-R

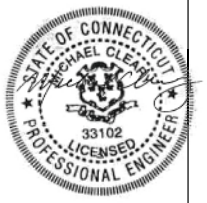
NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK3 (SUPPORT RAIL CORNER BRACKET)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	CBP-L	CORNER BENT PLATE BRACKET	PLK3-F1	9
2	1	CBP-R	CORNER BENT PLATE BRACKET	PLK3-F1	9
3	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
4	8	---	BOLT 5/8" X 2" A325	---	3
5	16	FW-625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW-625	5/8" HDG LOCK WASHER	---	0
7	16	NUT-625	5/8" HDG HEX NUT	---	2
				GALVANIZED WT	30

VzW SMART Tool© Vendor

verizon



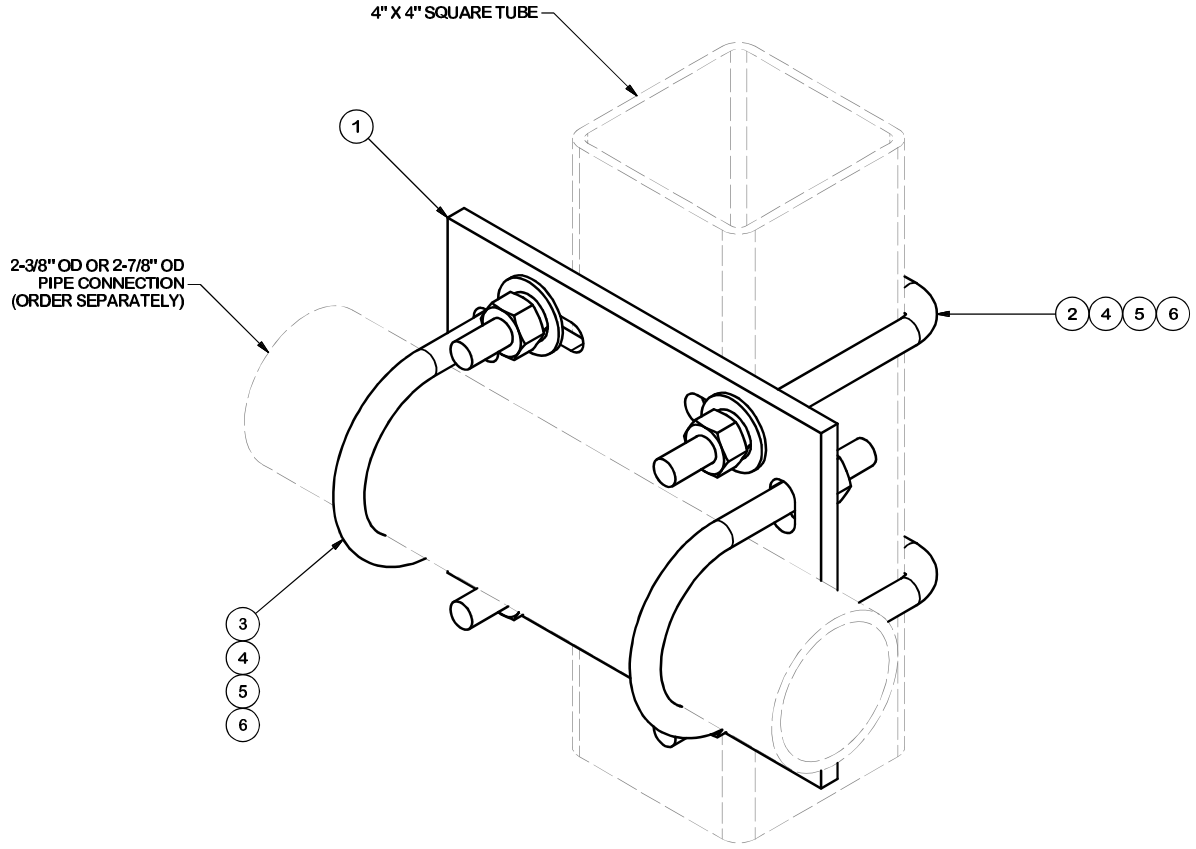
DRAWN BY: H.R	CHECKED BY: HMA

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

SHEET TITLE:
VZWSMART-PLK3
SUPPORT RAIL CORNER BRACKET

SHEET NUMBER:	REV #:
VZWSMART-PLK3	0

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



STATE OF CONNECTICUT
MICHAEL CLEARY
33102
LICENSED
PROFESSIONAL ENGINEER

TOLERANCE NOTES

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

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

SITE PRO 1
A valmont COMPANY

Engineering Support Team:
1-888-753-7446

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

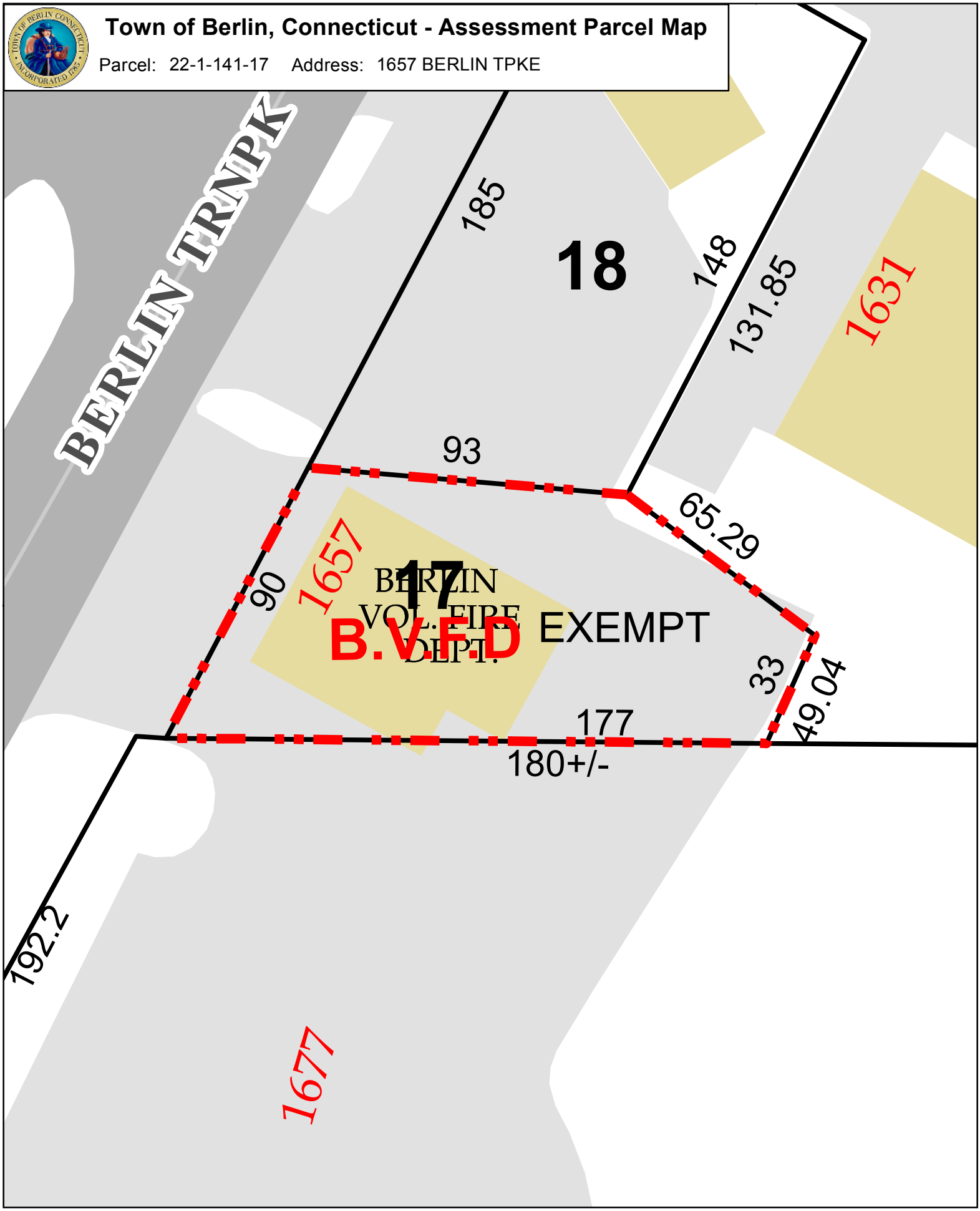
CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
	CSL 9/18/2018	3RD PARTY	SQCX4-K

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

ATTACHMENT 5

Town of Berlin, Connecticut - Assessment Parcel Map

Parcel: 22-1-141-17 Address: 1657 BERLIN TPKE



N
W E
S

NEGEO
New England Geosystems
www.negeosystems.com
282 Main Street Extension - C2
Middletown, CT 06457 • (203) 404 - 7129

Approximate Scale: 1 inch = 34 feet

0 10 20 30 40 Feet

Map Produced: January 2021

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

OWN OF BERLIN CONNECTICUT

eographic & Property Information Network

0 Kensington Road
rlin, CT 06037
860-828-7105
ail: General Information
ail: Technical Information

operty Search

me: ex. Smith

use No:

reet:

rcel Id: ex. 9-3-54-29

formation Updates

S Parcel Maps Updated
nuary 2021

operty Info Data Updated
ily

rrent Parcel Count
039 +/-

ormation is intended for your general knowledge only and is not a substitute for contacting the Town of Berlin office or other departments listed at this web site.

hould promptly consult the specific office or department with any questions. Use of this web site and any information you find through it is subject to the **Disclaimer**.

ned and hosted by **New England GeoSystems**

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

BERLIN 4

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 07/12/2021 US POSTAGE $002.89⁰ ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)* ELLEN D.		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Arosha Jayawickrema, Town Manager Town of Berlin 240 Kensington Road Berlin, CT 06037				
2.	Maureen Giusti, Acting Town Planner/Zoning Enforcement Officer Town of Berlin 240 Kensington Road Berlin, CT 06037				
3.	Berlin Volunteer Fire Department 1657 Berlin Turnpike Berlin, CT 06037				
4.					
5.					
6.					

OLD STATE HOUSE STATION 06103 JUL 12 2021 USPS