Robinson+Cole

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Also admitted in Massachusetts
and New York

November 29, 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**
36 Ayer Road, Franklin, 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 the existing tower and associated equipment on the ground adjacent to the tower. The tower was constructed by SBA, Inc. in 2001. Efforts to retrieve a copy of the original Town of Franklin approval have been unsuccessful. The Siting Council ("Council") approved Cellco's request to extend and share the tower in August of 2006 (Petition No 781). A copy of the Council's Petition No. 781 Staff Report is included in Attachment 1. As stated in the Staff Report, at the time of the Petition No. 781 tower share filing, no other wireless carrier was sharing the SBA tower.

Cellco now intends to modify its facility by removing six (6) existing antennas and installing three (3) new Samsung MT6407-77A antennas and six (6) NNH-65B-R2B antennas on Cellco's existing antenna platform. Cellco also intends to install six (6) new remote radio heads ("RRHs") behind its antennas. A set of project plans showing Cellco's proposed facility modifications and specifications for Cellco's new antennas and RRHs 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 the Town'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 General Power Density table for Cellco's modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.

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

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

A copy of the parcel map and Property owner information is included in Attachment 5. A Certificate of Mailing verifying that this filing was sent to municipal officials 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:
Charles Grant, Franklin First Selectman
Ronald Chalecki, Zoning Enforcement Officer
David Ayer, Property Owner
Karla Hanna, Verizon Wireless

ATTACHMENT 1

Petition No. 781
Cellco Partnership d/b/a Verizon Wireless
36 Ayer Road, Franklin, Connecticut
Staff Report
August 31, 2006

On July 24, 2006, Cellco Partnership d/b/a Verizon Wireless (Cellco) submitted a petition to the Connecticut Siting Council (Council) for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the extension of an existing wireless telecommunications tower located at 36 Ayer Road in Franklin, Connecticut. On August 23, 2006, Council member Philip Ashton and Council staff member Robert Mercier met with Cellco representative Kenneth Baldwin at the site to review this petition.

Cellco proposes to place a 30-foot extension on a 150-foot monopole owned by SBA, Inc. The existing monopole was constructed in 2001 as a "spec" tower and has not accommodated any wireless provider to date. The monopole and foundation were originally deigned and constructed to accommodate a 30-foot extension. A fenced compound is located at the base of the tower. Utilities are installed to the compound.

Cellco proposes to install a 30-foot extension on the monopole. Cellco would install 12 panel antennas at a centerline height of 177 feet above ground level. The overall height of the facility would not exceed 180 feet with antennas. The tower is structurally capable of supporting the extension. No aircraft hazard lighting and/or marking of the tower would be required.

Cellco would install a 12-foot by 30-foot equipment shelter at the base of the tower. The shelter would contain a back-up generator. No expansion of the existing fenced compound would be required.

The tower would provide continuous coverage to Route 32 in Franklin. Any reduction in antenna height would result in a coverage gap on Route 32 between the existing site and an adjacent facility to the south.

The site is located in a rural area. Although the area immediately north of the tower site is residentially developed, heavy tree cover would obscure the facility. The existing tower is visible from open areas approximately 0.75 to 1.9 miles southeast of the site. The visibility impact of the extended tower to these areas would be minimal.

ATTACHMENT 2

verizon

FRANKLIN N CT
36 AYER ROAD
FRANKLIN, CT 06254

GENERAL NOTES

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

SITE DIRECTIONS

FROM: 20 ALEXANDER DRIVE, WALLINGFORD, CONNECTICUT **TO:** 36 AYER ROAD, FRANKLIN, CT 06254

1.	START OUT GOING NORTH ON ALEXANDER DR TOWARD BARNES INDUSTRIAL RD.	0.18 MI
2.	TURN RIGHT ONTO BARNES INDUSTRIAL RD.	0.11 MI
3.	TAKE THE 1ST LEFT ONTO CT-68.	0.35 MI
4.	TURN RIGHT ONTO RAMP.	0.17 MI
5.	TURN RIGHT ONTO N COLONY RD/US-5 N.	0.30 MI
6.	MERGE ONTO CT-15 N TOWARD HARTFORD.	3.58 MI
7.	MERGE ONTO I-91 N VIA EXIT 68N-E TOWARD MIDDLETOWN/HARTFORD/CT-66 E.	13.95 MI
8.	MERGE ONTO CT-3 N VIA EXIT 25 TOWARD GLASTONBURY.	2.35 MI
9.	MERGE ONTO CT-2 E TOWARD NORWICH.	10.96 MI
10.	TAKE THE CT-66 EXIT, EXIT 13, TOWARD WILLIMANTIC/MARLBOROUGH.	0.24 MI
11.	KEEP LEFT TO TAKE THE RAMP TOWARD WILLIMANTIC/HEBRON.	0.04 MI
12.	TURN LEFT ONTO HEBRON RD/CT-66. CONTINUE TO FOLLOW CT-66.	5.34 MI
13.	TURN RIGHT ONTO CHURCH ST/CT-85.	1.81 MI
14.	TURN LEFT ONTO LEBANON RD/CT-207. CONTINUE TO FOLLOW CT-207.	12.60 MI
15.	TURN LEFT ONTO AYER RD.	0.12 MI
16.	36 AYER RD, NORTH FRANKLIN, CT 06254-1200, 36 AYER RD IS ON THE LEFT.	

VICINITY MAP

SCALE: 1" = 1000'

PROJECT SUMMARY

1. THE PROPOSED UPGRADE SCOPE OF WORK AT THE EXISTING UNMANNED TELECOMMUNICATIONS FACILITY GENERALLY INCLUDES THE FOLLOWING:
   A. AT THE EXISTING MONOPOLE MOUNTED ANTENNA SECTORS:
      - REMOVE (3) EXISTING ANTEL - BXA-70063-6CF ANTENNAS ANTENNAS.
      - REMOVE (3) EXISTING ANTEL - BXA-185090/8CF 2 ANTENNAS.
      - REMOVE (6) EXISTING 1-5/8" COAXIAL CABLES.
      - RETAIN (6) EXISTING ANTEL - LPA-80063/8CF ANTENNAS.
      - RETAIN (6) EXISTING 1-5/8" CDMA COAXIAL CABLES.
      - RETAIN (6) EXISTING 1-5/8" COAXIAL CABLES.
      - INSTALL (3) SAMSUNG - MT6407-77A ALL-IN-ONE ANTENNA/ RRUs.
      - INSTALL (6) COMMSCOPE - NHH-65B-R2B ANTENNAS.
      - INSTALL (3) SAMSUNG - RF4439d-25A RRUs.
      - INSTALL (3) SAMSUNG - RF4440d-13A RRUs.
      - INSTALL (3) COMMSCOPE - BASMNT-SBS-1-2 ANTENNA MOUNTS.
      - INSTALL (1) 12x24 HYBRIFLEX LI CABLE.
      - INSTALL (1) OVP-12 BOX.
   B. AT THE EXISTING VERIZON WIRELESS EQUIPMENT SHELTER
      - REMOVE (1) EXISTING NOKIA RADIO.

PROJECT INFORMATION

SITE NAME:	FRANKLIN N CT
SITE ADDRESS:	36 AYER ROAD FRANKLIN, CT 06254
LESSEE/TENANT:	CELLCO PARTNERSHIP d.b.a. VERIZON WIRELESS 20 ALEXANDER DRIVE WALLINGFORD, CT 06492
CONTACT PERSON:	WALTER CHARCZNSKI (CONSTRUCTION MANAGER) VERIZON WIRELESS (860) 306-1806
ENGINEER:	CENTEK ENGINEERING, INC. 63-2 NORTH BRANFORD RD. BRANFORD, CT. 06405 (203) 488-0580
PROJECT COORDINATES:	LATITUDE: 41° 38' 44.8908"N LONGITUDE: 72° 7' 41.8584"W (COORDINATES REFERENCED FROM VERIZON WIRELESS RFDS DATED 07/28/2021)

SHEET INDEX

SHT. NO.	DESCRIPTION	REV.
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C-1	COMPOUND PLAN AND ELEVATION	0
C-2	ANTENNA SECTOR CONFIGURATION DETAILS	0
C-3	RF DETAILS	0
E-1	ELECTRICAL DETAILS AND SPECIFICATIONS	0

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
0	10/21/21	ANC	DMD	CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION
A	08/31/21	ANC	DMD	CONSTRUCTION DRAWINGS - ISSUED FOR CLIENT REVIEW

PROFESSIONAL ENGINEER SEAL

verizon

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

Cellco Partnership d/b/a Verizon Wireless

FRANKLIN N CT
36 AYER ROAD
FRANKLIN, CT 06254

DATE: 08/31/21
SCALE: AS NOTED
JOB NO. 21007.47

TITLE SHEET

T-1

Sheet No. 1 of 7

NOTES AND Specifications

DESIGN BASIS:

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

1. DESIGN CRITERIA:

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

GENERAL NOTES:

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

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
A	08/31/21	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION
B	10/21/21	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CLIENT REVIEW

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NOTES AND SPECIFICATIONS

N-1

Sheet No. 2 of 7

PLUMBING DIAGRAM NOTES:

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

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

PLUMBING DIAGRAM COMMENTS:

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

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

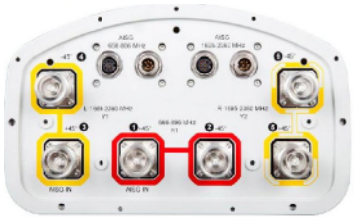
C. CAP AND WEATHERPROOF UNUSED ANTENNA PORTS.

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

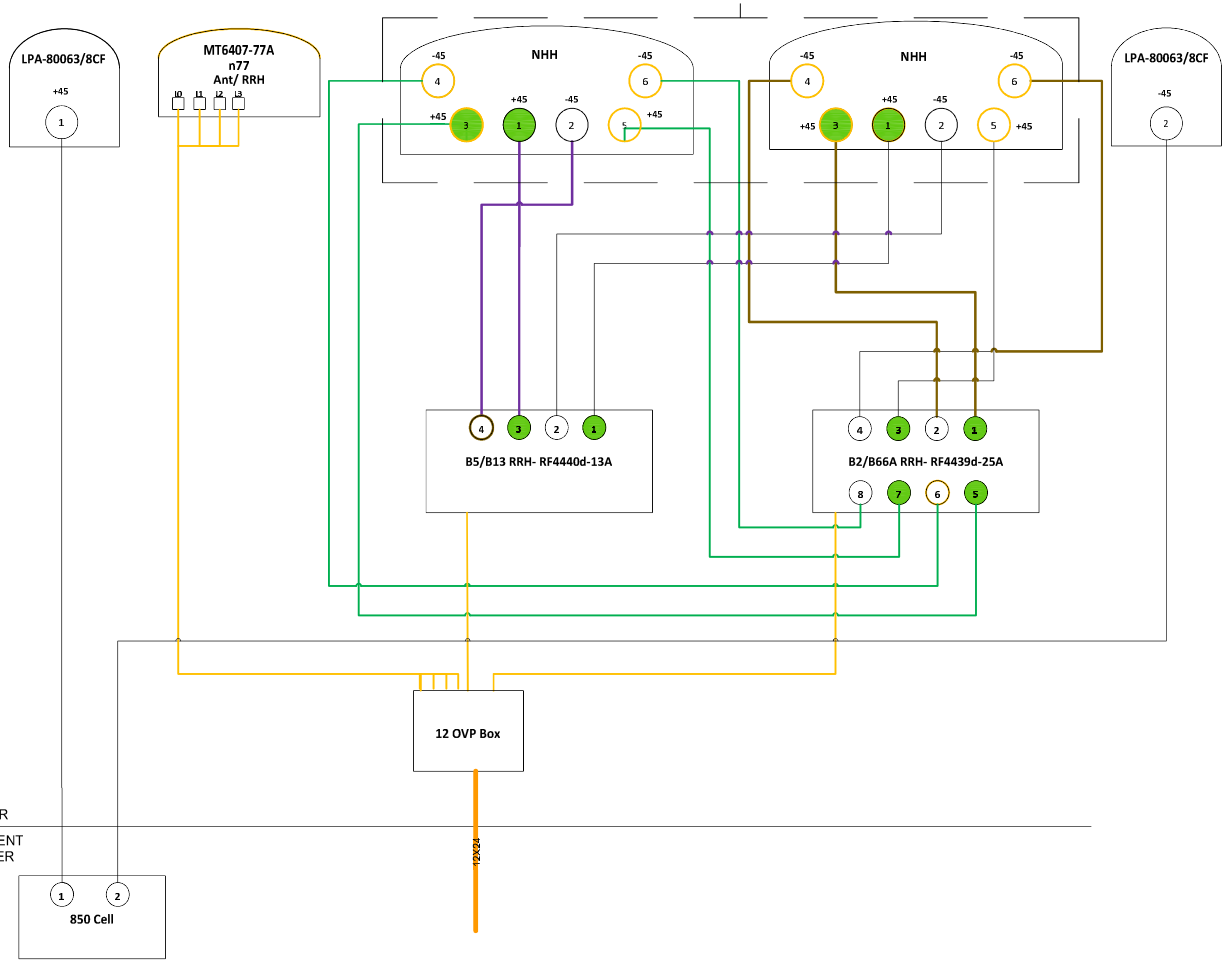
DC SIGNAL CAPABLE PORT

AISG CABLE

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



BSAMNT-SBS-1-2



NOTES:

1. INFORMATION SHOWN HEREIN IS FOR USE BY VERIZON WIRELESS EQUIPMENT OPERATIONS.
2. THIS B.O.M. DRAWING IS BASED ON FACILITY UPGRADE DESIGN DRAWINGS PREPARED BY CENTEK ENGINEERING (REV.0 DATED: 10/21/21), & VERIZON WIRELESS RF ANTENNA EQUIPMENT RECOMMENDATION (DATED 07/28/2021).

BILL OF MATERIALS

TECHNOLOGY	QUANTITY	ANTENNA
LTE 700	6	COMMSCOPE ANTENNA MODEL: NHH-65B-R2B
LTE 850 5G		
LTE PCS 1900		
LTE AWS 2100		
5G	3	SAMSUNG ANTENNA MODEL: MT6407-77A

CABLES	QUANTITY	LENGTH EA	COMMENTS
HYBRID CABLE	1	±275 FT EA	12X24 HYBRIFLEX LI CABLE

RADIOS	QUANTITY	COMMENTS
LTE 700	3	SAMSUNG MODEL: RF4440d-13A
LTE 850		
LTE PCS 1900	3	SAMSUNG MODEL: RF4439d-25A
LTE AWS 2100		
5G	3	INTEGRATED INTO MT6407-77A ANTENNA

DIPLEXERS	QUANTITY	COMMENTS
–	0	–

OVP BOXES	QUANTITY	COMMENTS
OVP	1	OVP-12

ANTENNA MOUNT	QUANTITY	COMMENTS
SIDE-BY-SIDE MOUNTING KIT	3	COMMSCOPE MODEL: BASMNT-SBS-1-2

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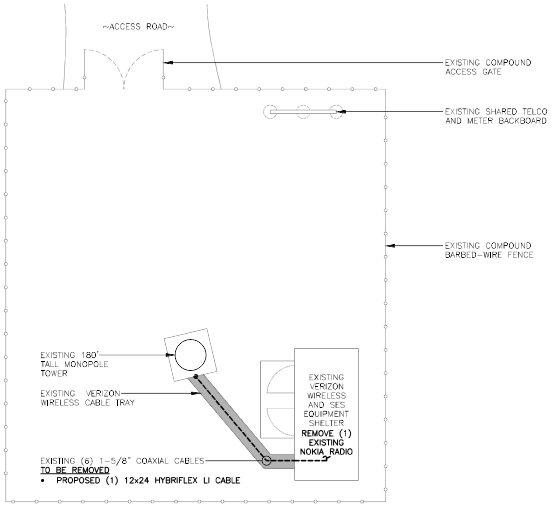
RF BILL OF MATERIALS

B-1

Sheet No. 3 of 7

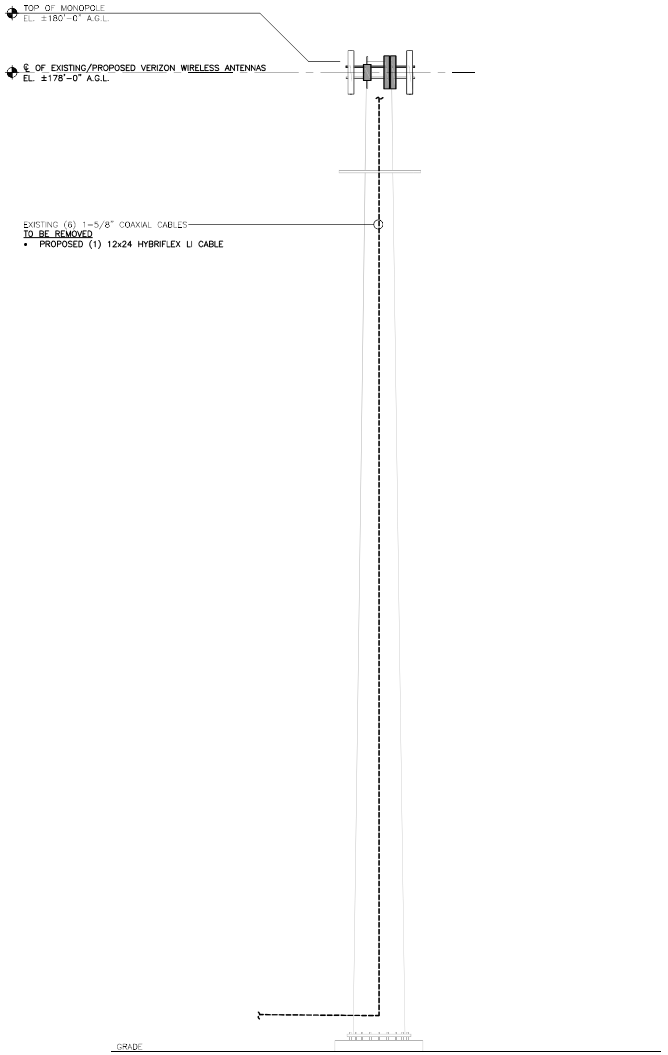
STRUCTURAL ANALYSIS REFERENCE NOTE:

1. REFER TO THE PASSING STRUCTURAL ANALYSIS REPORT PREPARED BY TOWER ENGINEERING SOLUTIONS (TES) DATED 10/07/2021. (TES) PROJECT NO. 116993Rev1 FOR ADDITIONAL INFORMATION.



1 C-1 **COMPOUND PLAN - PROPOSED**
SCALE: 3/32" = 1'

APPROXIMATE NORTH



2 C-1 **TOWER ELEVATION - PROPOSED**
SCALE: 3/32" = 1'

PROFESSIONAL ENGINEER SEAL

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verizon

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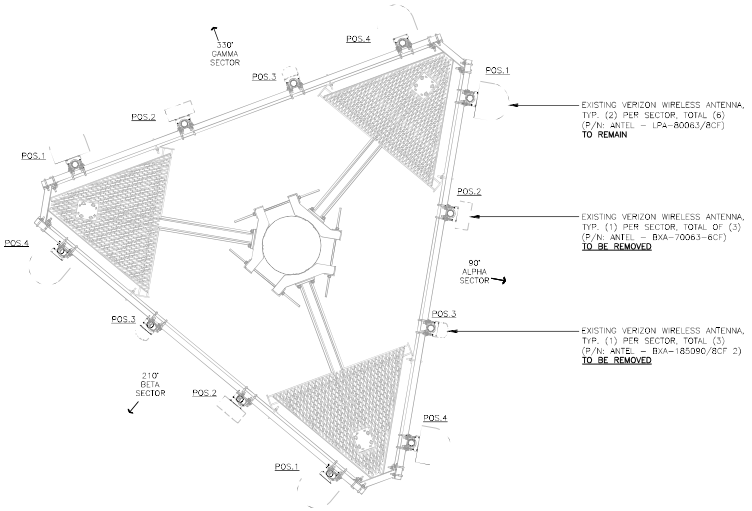
COMPOUND PLAN AND ELEVATION

C-1

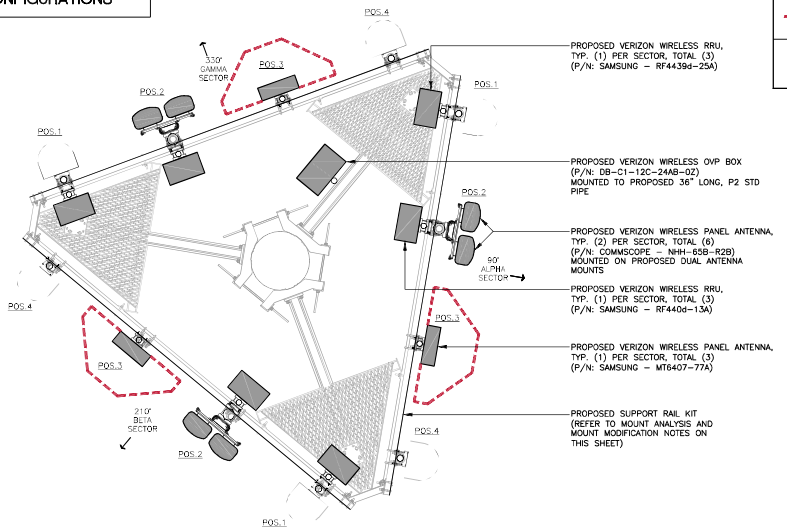
Sheet No. 4 of 7

EXISTING ANTENNA CONFIGURATIONS



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

PROPOSED ANTENNA CONFIGURATIONS



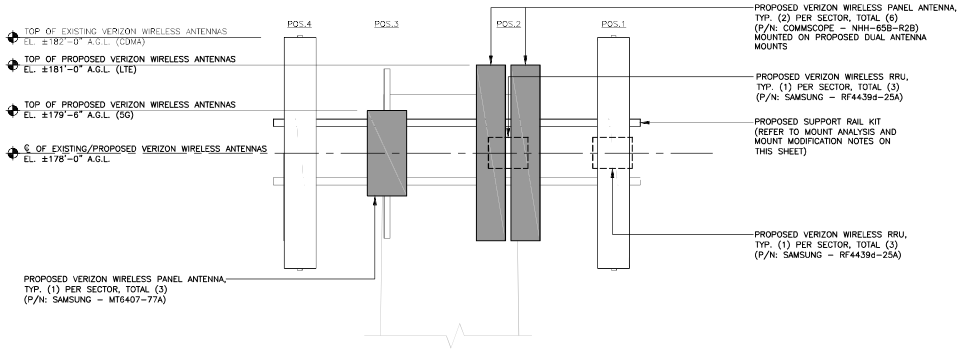
1A C-2 **PROPOSED SECTOR CONFIGURATION PLAN**
SCALE: 1/2" = 1'

APPROXIMATE NORTH

LEGEND	
VERIZON WIRELESS VZS01 REQUIRED ANTENNA CLEARANCE LIMITS (PER DETAILS ON SHEET C-3)	
ANTENNA CLEARANCE STATUS	ALPHA SECTOR: COMPLIANT BETA SECTOR: COMPLIANT GAMMA SECTOR: COMPLIANT

ANTENNA MOUNT ANALYSIS AND MOD NOTES:

1. REFER TO PASSING VERIZON WIRELESS MOUNT ANALYSIS REPORT PREPARED BY MASER CONSULTING CONNECTICUT DATED 08/13/2021 FOR ADDITIONAL INFORMATION.
2. REFER TO FINAL VERIZON WIRELESS MOUNT MODIFICATION DESIGN PREPARED BY MASER CONSULTING CONNECTICUT DATED 08/13/2021 FOR ANTENNA MOUNT MODIFICATIONS.



TYPICAL SECTOR

1B C-2 **PROPOSED SECTOR CONFIGURATION ELEVATION**
SCALE: 1/2" = 1'

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
B	10/21/21	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION
A	08/31/21	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CLIENT REVIEW

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DATE: 08/31/21
SCALE: AS NOTED
JOB NO. 21007.47

ANTENNA SECTOR CONFIGURATION DETAILS

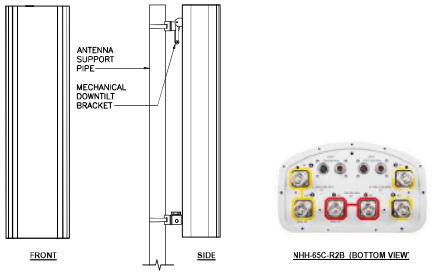
C-2

Sheet No. 5 of 7

ANTENNA FRONT

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

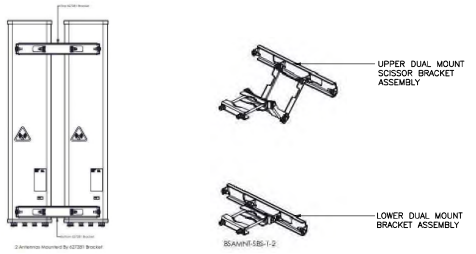
1 C-4 **SECTOR ANTENNA DETAIL**
NOT TO SCALE



FRONT SIDE NHH-65C-R2B (BOTTOM VIEW)

ALPHA/BETA/GAMMA ANTENNA		
EQUIPMENT	DIMENSIONS	WEIGHT (WITH MOUNTING KIT)
MAKE: COMMSCOPE MODEL: NHH-65B-R2B	76.0"L x 16.1"W x 11.8"D	43.7 LBS.

2 C-3 **PROPOSED ANTENNAS**
NOT TO SCALE



ELEVATION ISOMETRIC

SIDE-BY-SIDE ANTENNA MOUNTING KIT			
MOUNT	DESCRIPTION	SUPPORTED ANTENNAS	GAP BETWEEN ANTENNAS
MAKE: COMMSCOPE MODEL: BASMNT-SBS-1-2	(2) BRACKET KIT FOR MOUNTING (2) ANTENNAS SIDE-BY-SIDE	SBNHH 65" AND 85" NHH 65" AND 85"	3-3/8"
NOTES: 1. MOUNT ACCOMMODATES MAST DIAMETERS FROM 2.375" TO 4.5" (O.D.). 2. CONTRACTOR TO CONFIRM MOUNT MAKE/MODEL AND QUANTITY WITH VERIZON WIRELESS CONSTRUCTION MANAGER PRIOR TO ORDERING.			

3 C-3 **PROPOSED SIDE-BY-SIDE ANTENNA MOUNT**
NOT TO SCALE

OVP BOX		
EQUIPMENT	DIMENSIONS	WEIGHT
MAKE: RAYCAP MODEL: DB-C1-12C-24AB-0Z	29.5"H x 16.5"W x 12.6"D	32 LBS.
NOTES: 1. CONTRACTOR TO CONFIRM OVP BOX MAKE/MODEL AND QUANTITY WITH VERIZON WIRELESS CONSTRUCTION MANAGER PRIOR TO ORDERING.		

4 C-3 **PROPOSED OVER-VOLTAGE PROTECTION BOX**
NOT TO SCALE

RRH - ISOMETRIC

DUAL BAND RRU (REMOTE RADIO UNIT)			
EQUIPMENT	BANDS	DIMENSIONS	WEIGHT
MAKE: SAMSUNG MODEL: RF4439d-25A	B25: PCS (1900 MHz) B66: AWS (2100 MHz)	15.0"H x 15.0"W x 10.0"D	74.7 LBS.
NOTES: 1. CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION WITH VERIZON WIRELESS CONSTRUCTION MANAGER PRIOR TO ORDERING.			

5 C-3 **DUAL-BAND AWS/PCS MACRO RADIO UNIT DETAIL**
NOT TO SCALE

RRH - ISOMETRIC

DUAL BAND RRU (REMOTE RADIO UNIT)			
EQUIPMENT	BANDS	DIMENSIONS	WEIGHT
MAKE: SAMSUNG MODEL: RF440d-13A	B5: 850 MHz B13: 700 MHz	15.0"H x 15.0"W x 9.0"D	70.3 LBS.
NOTES: 1. CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION WITH VERIZON WIRELESS CONSTRUCTION MANAGER PRIOR TO ORDERING.			

6 C-3 **DUAL-BAND 700/850 MHZ MACRO RADIO UNIT DETAIL**
NOT TO SCALE

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
C	10/21/21	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION
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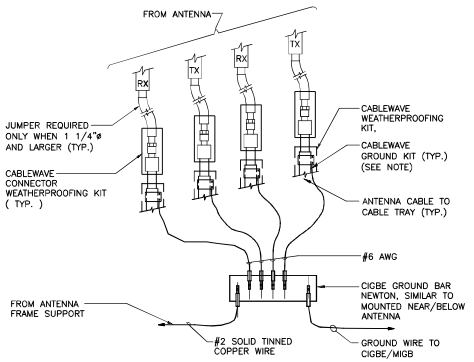
RF DETAILS

C-3
Sheet No. 6 of 7

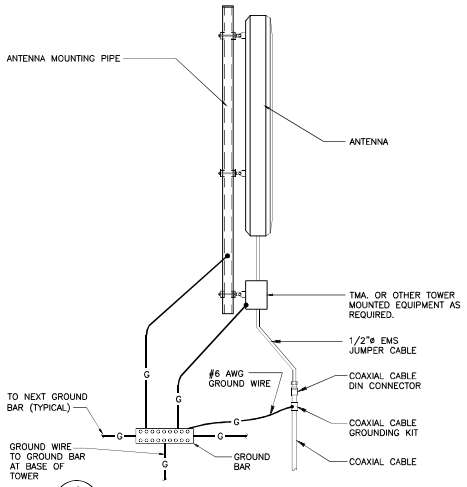


NOTES:

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

1 E-1 CONNECTION OF GROUND WIRES TO GROUND BAR

NOT TO SCALE

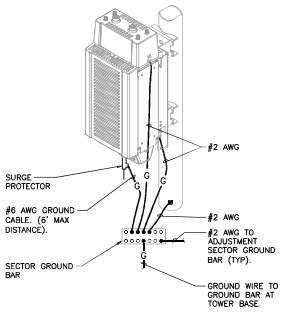


4 E-1 TYPICAL ANTENNA GROUNDING DETAIL

NOT TO SCALE

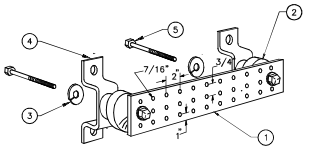
EACH RRH CABINET SHALL BE GROUNDED IN THE FOLLOWING MANNER:

1. AT TOP OF THE CABINET
2. AT RIGHT SIDE OF THE CABINET.



2 E-1 RRH POLE MOUNT GROUNDING

NOT TO SCALE

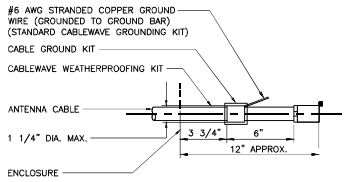


NOTES

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

5 E-1 GROUND BAR DETAIL

NOT TO SCALE



NOTES:

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

3 E-1 ANTENNA CABLE GROUNDING DETAIL

NOT TO SCALE

ELECTRICAL SPECIFICATIONS

SECTION 16010

1.01. SCOPE OF WORK

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

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

1.02. GENERAL REQUIREMENTS

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

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

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

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

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

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

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

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

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

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

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

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

SECTION 16450

1.01. GROUNDING

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

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

C. EQUIPMENT GROUNDING CONDUCTOR:

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

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

D. CELLULAR GROUNDING SYSTEM:

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

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

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

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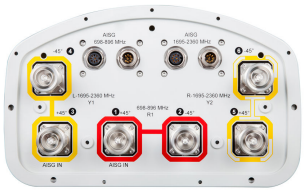
ELECTRICAL DETAILS AND SPECIFICATIONS

E-1

Sheet No. 7 of 7

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

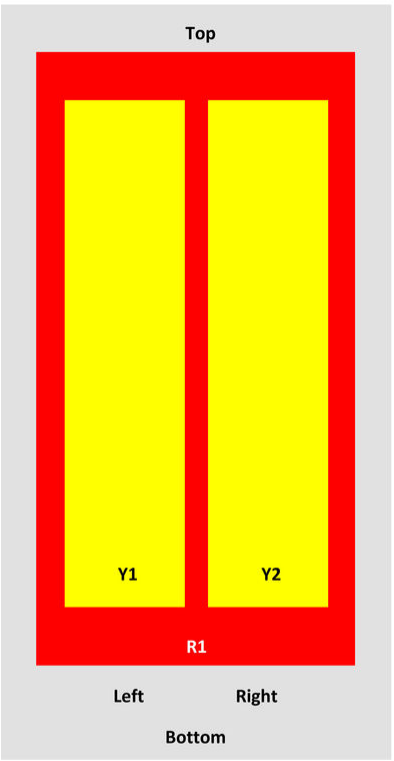
Dimensions

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

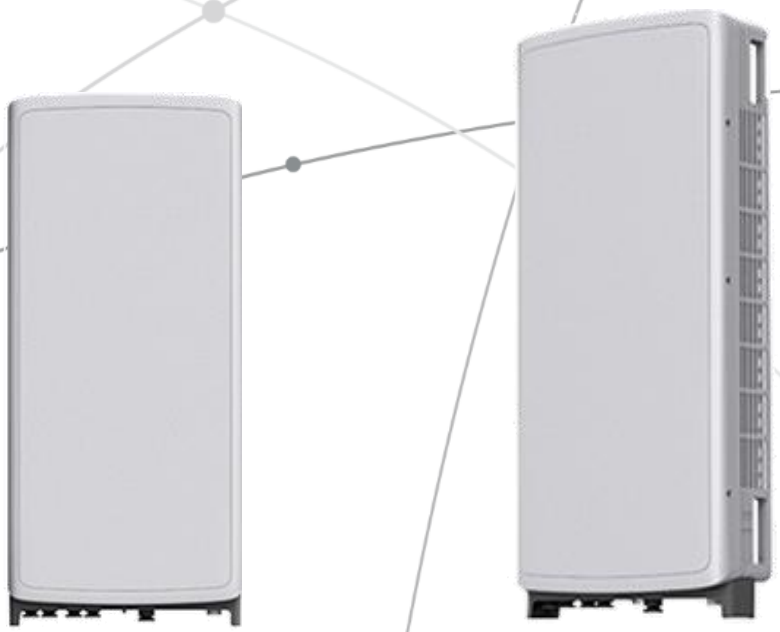
SAMSUNG

SAMSUNG C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

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

Model Code : MT6407-77A

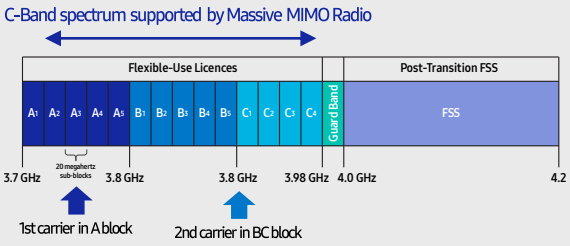


Points of Differentiation

Wide Bandwidth

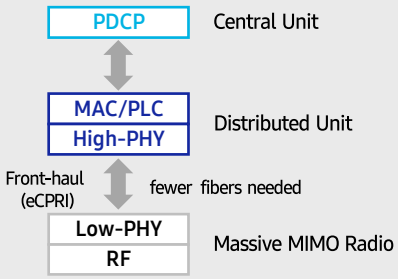
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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



Future Proof Product

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



Enhanced Performance

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

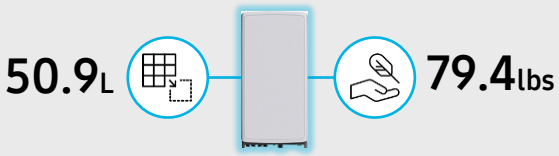
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

Well Matched Design

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

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



Technical Specifications

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

SAMSUNG

About Samsung Electronics Co., Ltd.

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

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

SAMSUNG

700/850MHZ MACRO RADIO

DUAL-BAND AND HIGH POWER FOR MACRO COVERAGE

Samsung's future proof dual-band radio is designed to help effectively increase the coverage areas in wireless networks. This 700/850MHz 4T4R dual-band radio has 4Tx/4Rx to 2Tx/2Rx RF chains options and a total output power of 320W, making it ideal for macro sites.

Model Code	RF4440d-13A

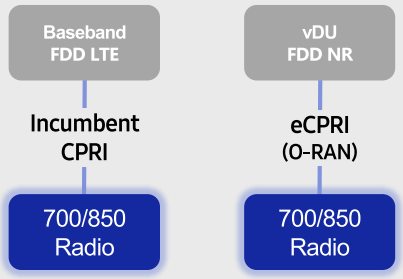
Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

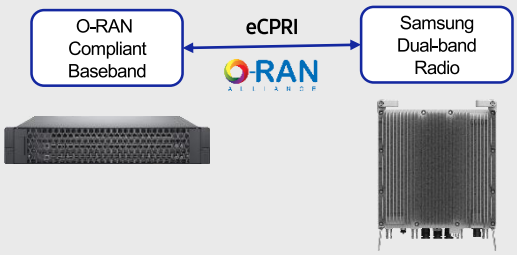
Samsung's 700/850MHz macro radio can support each incumbent CPRI interface as well as an advanced eCPRI interface. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

A standardized O-RAN radio can help when implementing cost-effective networks because it is capable of sending more data without compromising additional investments.

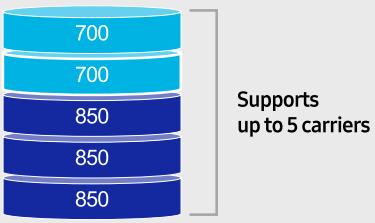
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

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

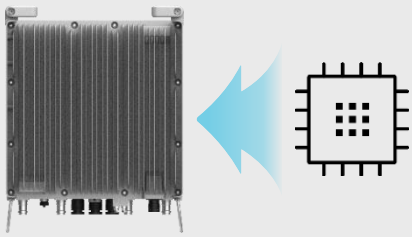
The new 700/850MHz dual-band radio can support up to 2 carriers in the B13 (700MHz) band and 3 carriers in the B5 (850MHz) band, respectively.



Secured Integrity

Access to sensitive data is allowed only to authorized software.

The Samsung radio's CPU can protect root of trust, which is credential information to verify SW integrity, and secure storage provides access control to sensitive data by using dedicated hardware (TPM).



Technical Specifications

Item	Specification
Tech	LTE / NR
Brand	B13(700MHz), B5(850MHz)
Frequency Band	DL: 746 – 756MHz, UL: 777 – 787MHz DL: 869 – 894MHz, UL: 824 – 849MHz
RF Power	(B13) 4 × 40W or 2 × 60W (B5) 4 × 40W or 2 × 60W
IBW/OBW	(B13) 10MHz / 10MHz (B5) 25MHz / 25MHz
Installation	Pole, Wall
Size/ Weight	14.96 x 14.96 x 9.05inch (33.2L) / 70.33 lb

SAMSUNG

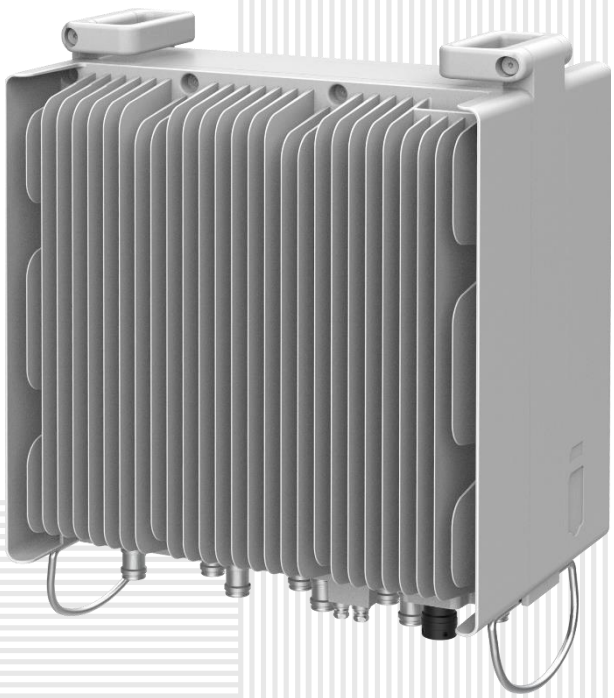
AWS/PCS MACRO RADIO

DUAL-BAND AND HIGH POWER FOR MACRO COVERAGE

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

57196

Model Code	RF4439d-25A



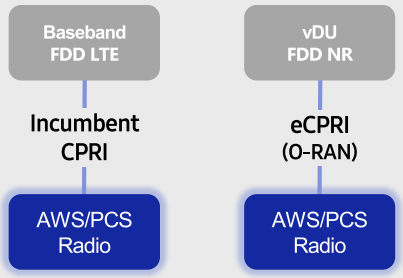
Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

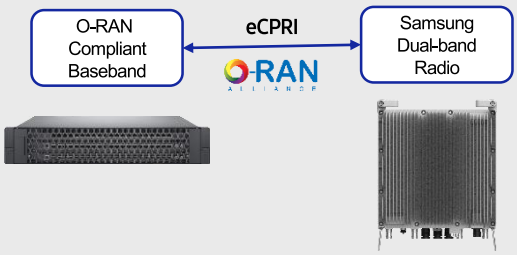
Samsung's AWS/PCS macro radio can support each incumbent CPRI interface as well as advanced eCPRI interfaces. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

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

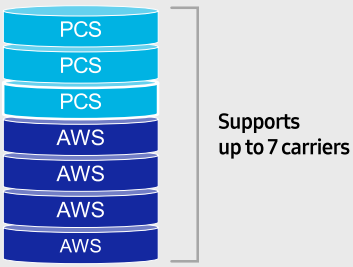
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

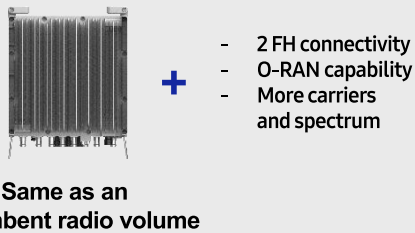
The number of required carriers varies according to site (region). Supporting many carriers is essential for using all frequencies that the operator has available.

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



Brand New Features in a Compact Size

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



Technical Specifications

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

ATTACHMENT 3

Site Name: ***FRANKLIN N CT***

Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	641	2565	178	0.0029	0.5007	0.58%
VZW CDMA	877.26	2	498	995	178	0.0011	0.5848	0.19%
VZW Cellular	874	4	690	2761	178	0.0031	0.5827	0.54%
VZW PCS	1977.5	4	1390	5560	178	0.0063	1.0000	0.63%
VZW AWS	2120	4	1574	6296	178	0.0071	1.0000	0.71%
VZW CBAND	3730.08	2	21627	43254	178	0.0491	1.0000	4.91%
Total Percentage of Maximum Permissible Exposure								7.57%

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

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

MHz = Megahertz

mW/cm^2 = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.

ATTACHMENT 4

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

Structural Analysis Report

Existing 180 ft SUMMIT Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT02219-S

Customer Site Name: North Franklin

Carrier Name: Verizon (App#: 171628-1)

Carrier Site ID / Name: 117733 / FRANKLN_NORTH_CT

Site Location: 36 Ayer Road

Franklin, Connecticut

New London County

Latitude: 41.645802

Longitude: -72.128294

Exp.10/31/2021

10/07/2021

Analysis Result:

Max Structural Usage: 40.5% [Pass]

Max Foundation Usage: 30.0% [Pass]

Additional Usage Caused by Mount Modification:

Report Prepared By : Tawfeeq Alajaj

Introduction

The purpose of this report is to summarize the analysis results on the 180 ft SUMMIT Monopole to support the proposed antennas and transmission lines in addition to those currently installed. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

Sources of Information

Tower Drawings	Paul J. Ford And Company, Job # 29201-1038, Design # 15316, Page 1, dated 08-22-2001
Foundation Drawing	Paul J. Ford And Company, Job # 29201-1038, Design # 15316, Page 2, dated 08-22-2001
Geotechnical Report	Jaworski Geotech, Inc., Geotechnical Reportt, dated 02-17-2000
Modification Drawings	Verizon Passing MA by Maser Consulting # 20777641A. Dated 08/13/2021. Verizon Mount Modifications by Maser Consulting # 20777641A. Dated 08/13/2021.

Analysis Criteria

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

Wind Speed Used in the Analysis:	Ultimate Design Wind Speed V_{ult} = 130.0 mph (3-Sec. Gust)/ Nominal Design Wind Speed V_{asd} = 101.0 mph (3-Sec. Gust)
Wind Speed with Ice:	50 mph (3-Sec. Gust) with 3/4" radial ice concurrent
Operational Wind Speed:	60 mph + 0" Radial ice
Standard/Codes:	ANSI/TIA/EIA 222-G / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	
Structure Class:	
Topographic Category:	
Crest Height:	0 ft.

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

Existing Antennas, Mounts and Transmission Lines

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

Items	Elevation (ft.)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
			Antel - Panel	(1) Low Profile Platform	(3) Coax	Verizon
			Antel BXA-185090-8CF - Panel			
			Antel LPA-80063/8CF - Panel			
			RFS FD9R6004/2C-3L Diplexer			
				(1) Low Profile Platform		

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

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

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
		6	CommScope - NHH-65B-R2B - Panel	Modified Low Profile Platform with (3) Pipe, (9) SP219, (3) SP219-H, (1)P2 STD Pipe and (1) SQCX4-K	Hybrid	Verizon
			Antel - LPA-80063/8CF - Panel			
			Samsung - MT6407-77A - Panel			
			Samsung RF4439d-25A			
			Samsung RF4440-13A			

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

Analysis Results

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

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:			
Pass/Fail	**Pass**	**Pass**	**Pass**

Foundations

	Moment (Kip-Ft)	Shear (Kips)
Original Design Reactions		
Analysis Reactions		
Factored Reactions*		
% of Design Reactions		

* Per section 15.5.1 of the TIA-222-G standard, factored reactions were obtained by multiplying a 1.35 factor to the original design reactions.

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

Operational Condition (Rigidity):

Operational characteristics of the tower are found to be within the limits prescribed by TIA-222 for the installed antennas. The maximum twist/sway at the elevation of the proposed equipment is 0.7884 degrees under the operational wind speed as specified in the Analysis Criteria.

Conclusions

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

Standard Conditions

This analysis was performed based on the information supplied to **Tower Engineering Solutions,** Verification of the information provided was not included in the Scope of Work for . The accuracy of the analysis is dependent on the accuracy of the information provided.

The structural analysis was performance based upon the evidence available at the time of this report. All information provided by the client is considered to be accurate.

The analyses will be performed based on the codes as specified by the client or based on the best knowledge of the engineering staff of . In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/TIA-222. If wind speed and/or ice loads are different from the minimum values recommended by the ANSI/TIA-222 standard or other codes, should be notified in writing and the applicable minimum values provided by the client.

The configuration of the existing mounts, antennas, coax and other appurtenances were supplied by the customer for the current structural analysis. has not visited the tower site to verify the adequacy of the information provided. If there is any discrepancy found in the report regarding the existing conditions, should be notified immediately to evaluate the effect of the discrepancy on the analysis results.

The client will assume responsibility for rework associated with the differences in initially provided information, including tower and foundation information, existing and/or proposed equipment and transmission lines.

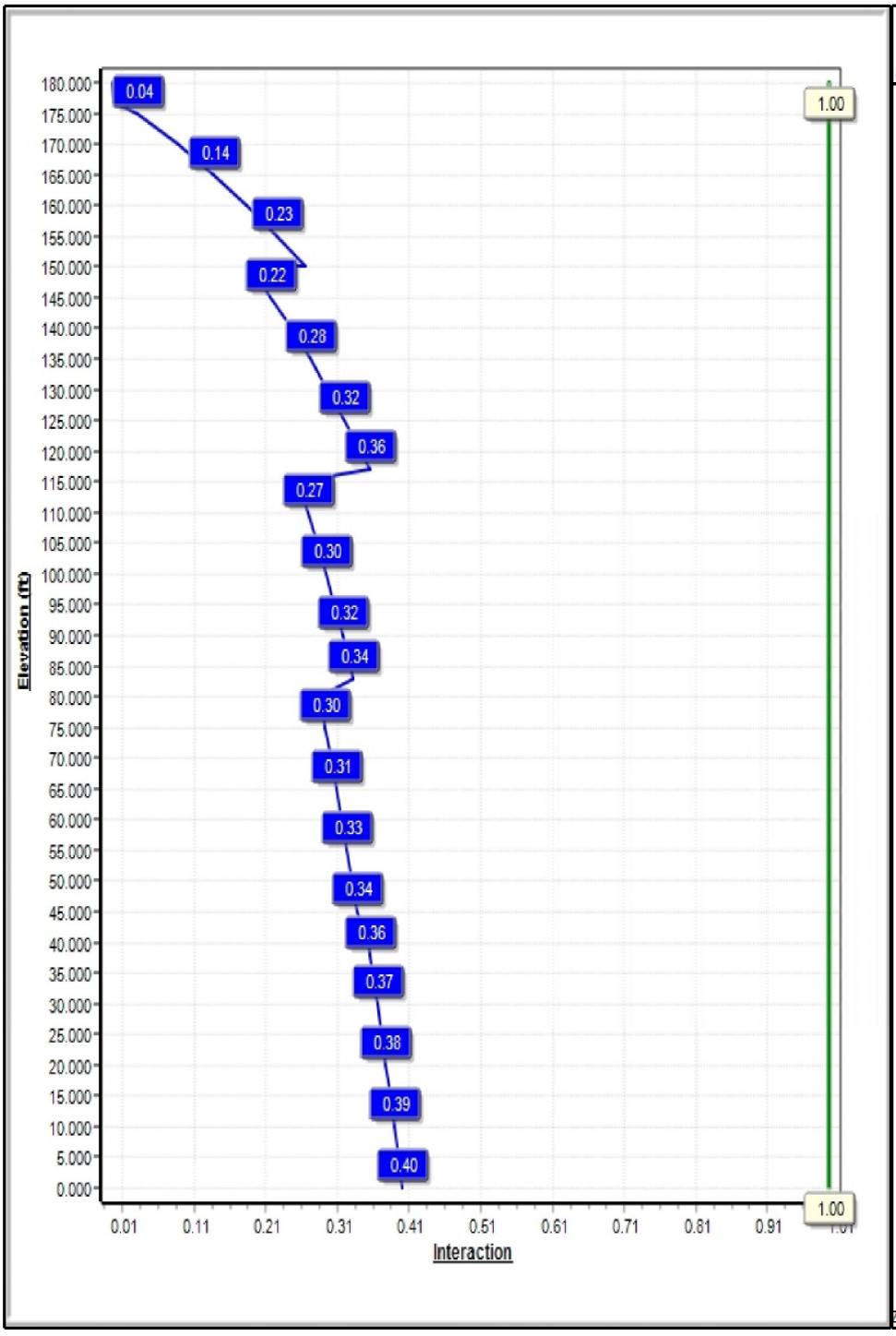
If a feasibility analysis was performed, final acceptance of changed conditions shall be based upon a rigorous structural analysis.

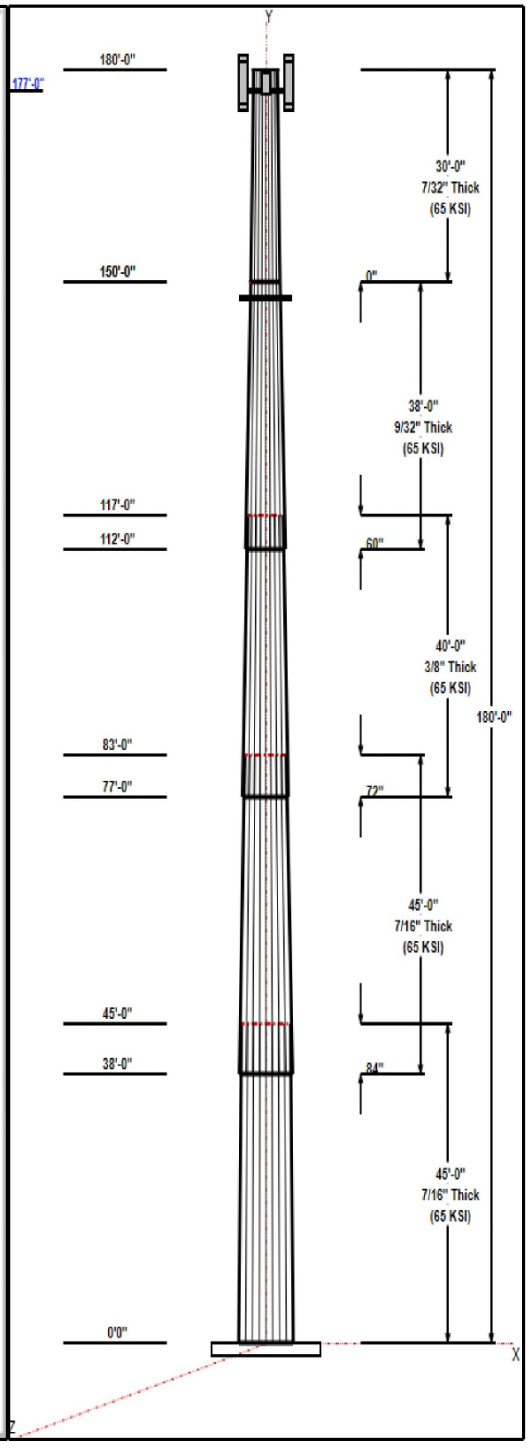
Usage Diagram - Max Ratio 40.47% at 0.0ft

Structure:	CT02219-S-SBA	**Code:**	EIA/TIA-222-G	10/5/2021	
Site Name:	North Franklin	**Exposure:**	B		
Height:	180.00 (ft)	**Gh:**	1.1		
Base Elev:	0.000 (ft)			Page: 1	

Dead Load Factor:	1.20	**Iterations:**	24
Wind Load Factor:	1.60		

Load Case : 1.2D + 1.6W 101 mph Wind





Structure: CT02219-S-SBA

Type: Tapered
Site Name: North Franklin
Height: 180.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.23221

10/5/2021

Tower Engineering Solutions

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	45.00	53.16	63.61	0.438		0.23221	65
2	45.00	45.21	55.66	0.438	Slip	0.23221	65
3	40.00	38.07	47.35	0.375	Slip	0.23221	65
4	38.00	30.97	39.79	0.281	Slip	0.23221	65
5	30.00	24.00	30.97	0.219	Butt	0.23221	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
177.00	177.00	1	Low Profile Platform	Verizon
177.00	178.00	6	NHH-65B-R2B	Verizon
177.00	178.00	6	LPA-80063/8CF	Verizon
177.00	178.00	3	MT6407-77A	Verizon
177.00	178.00	3	Samsung RF4439d-25A	Verizon
177.00	178.00	3	Samsung RF4440-13A	Verizon
177.00	178.00	1	RFS DB-C1-12C-24AB-0Z	Verizon
177.00	177.00	1	Handrails	Verizon
177.00	177.00	1	BSAMNT-SBS-1-2	Verizon
147.50	147.50	1	Low Profile Platform	-

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	177.00	Inside	1 5/8" Coax	Verizon
0.00	177.00	Inside	1 5/8" Coax	Verizon
0.00	177.00	Inside	1 5/8" Hybrid	Verizon

Anchor Bolts

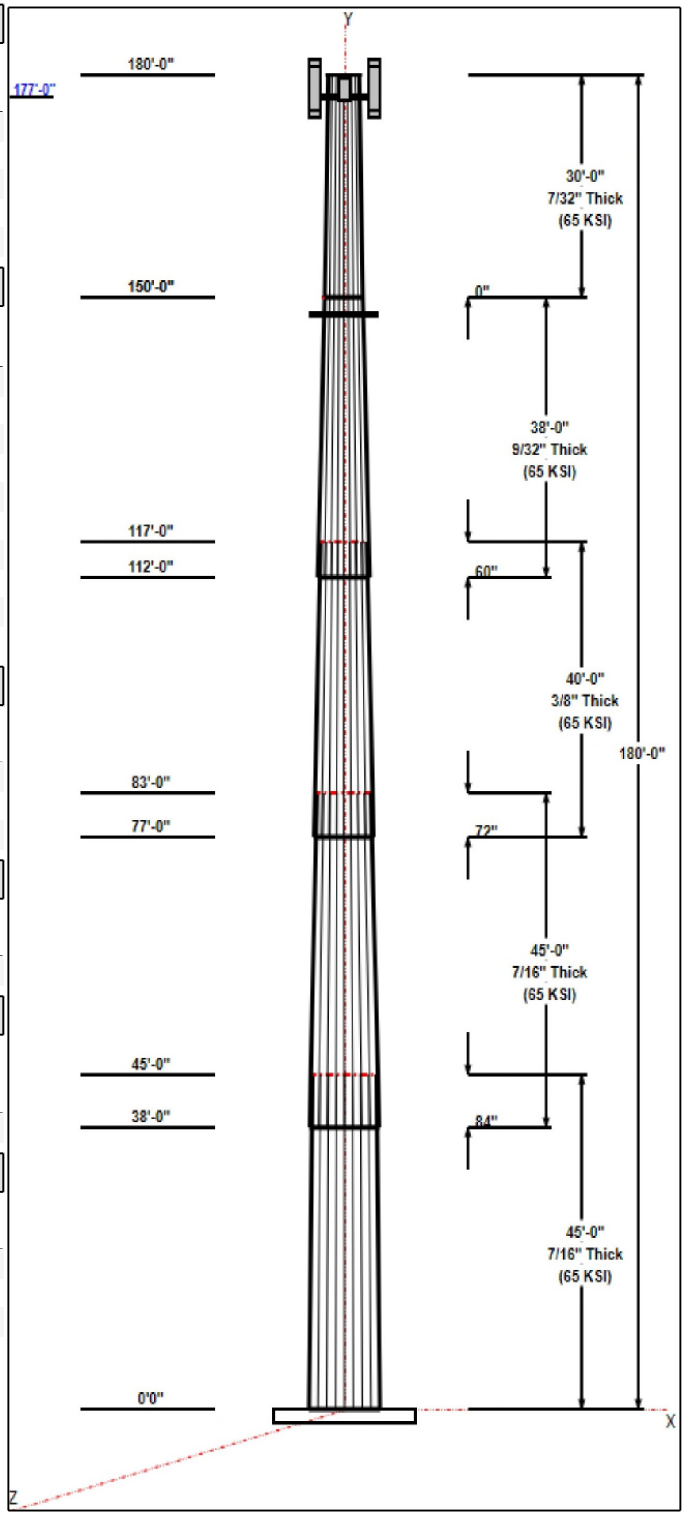
Qty	Specifications	Grade (ksi)	Arrangement
24	2.25" 18J	75.0	Cluster

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
3.0000	71.0	55.0	Clipped

Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 101 mph Wind	2963.8	25.1	51.0
0.9D + 1.6W 101 mph Wind	2942.2	25.1	38.2
1.2D + 1.0Di + 1.0Wi 50 mph Wind	792.9	6.9	73.5
1.0D + 1.0W 60 mph Wind	650.7	5.5	42.5

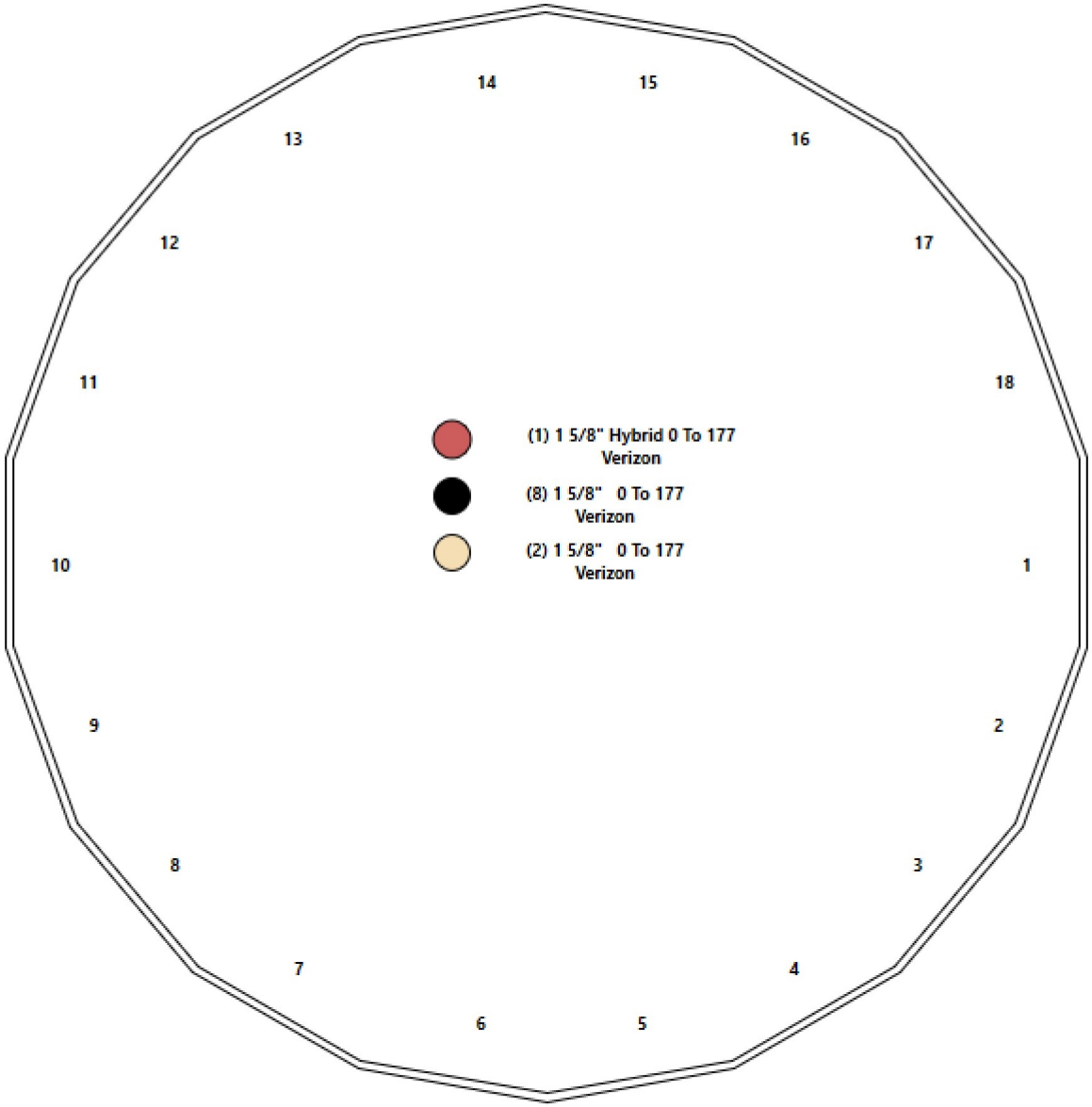


Structure: CT02219-S-SBA - Coax Line Placement

Type: Monopole
Site Name: North Franklin
Height: 180.00 (ft)

10/5/2021

Tower Engineering Solutions



Shaft Properties

Structure:	CT02219-S-SBA		**Code:**	EIA/TIA-222-G	10/5/2021
Site Name:	North Franklin		**Exposure:**	B	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 4

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Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	45.000	0.4375	65		0.00	12,321
2	18	45.000	0.4375	65	Slip	84.00	10,631
3	18	40.000	0.3750	65	Slip	72.00	6,858
4	18	38.000	0.2813	65	Slip	60.00	4,052
5	18	30.000	0.2188	65	Flange	0.00	1,933
					Total Shaft Weight:		**35,795**

	Bottom						Top						
Sec. No.	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Taper**
1	63.61	0.00	87.72	44228.95	24.23	145.39	53.16	45.00	73.21	25711.3	20.01	121.5	0.232209
2	55.66	38.00	76.68	29545.80	21.02	127.23	45.21	83.00	62.17	15747.2	16.81	103.3	0.232209
3	47.35	77.00	55.92	15592.38	20.86	126.28	38.07	117.00	44.86	8052.08	16.49	101.5	0.232209
4	39.79	112.0	35.27	6956.63	23.53	141.45	30.97	150.00	27.40	3259.05	18.00	110.0	0.232209
5	30.97	150.0	21.35	2550.47	23.54	141.53	24.00	180.00	16.51	1180.03	17.93	109.6	0.232209

Load Summary

Structure:	CT02219-S-SBA		**Code:**	EIA/TIA-222-G	10/5/2021
Site Name:	North Franklin		**Exposure:**	B	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 5

Tower Engineering Solutions

Discrete Appurtenances

				No Ice			Ice				
No.	**Elev (ft)**	**Description**	**Qty**	**Weight (lb)**	**CaAa (sf)**	**CaAa Factor**	**Weight (lb)**	**CaAa (sf)**	**CaAa Factor**	**Hor. Ecc. (ft)**	**Vert Ecc (ft)**
1	177.00	Low Profile Platform	1	1500.00	22.00	1.00	2830.76	39.956	1.00	0.00	0.00
2	177.00	NHH-65B-R2B	6	43.70	8.08	0.83	249.33	9.395	0.83	0.00	1.00
3	177.00	LPA-80063/8CF	6	38.00	13.67	0.93	383.97	17.405	0.83	0.00	1.00
4	177.00	MT6407-77A	3	79.40	4.69	0.70	201.36	5.654	0.70	0.00	1.00
5	177.00	Samsung RF4439d-25A	3	84.40	1.88	0.67	136.51	2.440	0.67	0.00	1.00
6	177.00	Samsung RF4440-13A	3	70.30	1.88	0.67	119.75	2.440	0.67	0.00	1.00
7	177.00	RFS DB-C1-12C-24AB-0Z	1	32.00	4.06	1.00	147.83	4.896	1.00	0.00	1.00
8	177.00	Handrails	1	406.61	9.75	1.00	897.21	19.438	1.00	0.00	0.00
9	177.00	BSAMNT-SBS-1-2	1	25.35	0.00	1.00	43.34	0.000	1.00	0.00	0.00
10	147.50	Low Profile Platform	1	1500.00	22.00	1.00	2806.71	39.632	1.00	0.00	0.00
		Totals:	**26**	**4,656.46**			**11,898.51**				

Linear Appurtenances

Bottom Elev. (ft)	**Top Elev. (ft)**	**Description**	**Exposed Width**	**Exposed**
0.00	177.00	(2) 1 5/8" Coax	0.00	Inside
0.00	177.00	(8) 1 5/8" Coax	0.00	Inside
0.00	177.00	(1) 1 5/8" Hybrid	0.00	Inside

Shaft Section Properties

Structure:	CT02219-S-SBA	**Code:**	EIA/TIA-222-G	10/5/2021	
Site Name:	North Franklin	**Exposure:**	B		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 6	

Tower Engineering Solutions

Increment Length: **5 (ft)**

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
0.00		0.4375	63.610	87.720	44228.9	24.23	145.39	72.9	1369.	0.0
5.00		0.4375	62.449	86.108	41834.8	23.76	142.74	73.5	1319.	1478.7
10.00		0.4375	61.288	84.495	39528.7	23.29	140.09	74.0	1270.	1451.3
15.00		0.4375	60.127	82.883	37309.0	22.82	137.43	74.6	1222.	1423.9
20.00		0.4375	58.966	81.271	35173.9	22.35	134.78	75.1	1174.	1396.5
25.00		0.4375	57.805	79.659	33121.9	21.89	132.13	75.7	1128.	1369.0
30.00		0.4375	56.644	78.047	31151.3	21.42	129.47	76.2	1083.	1341.6
35.00		0.4375	55.483	76.434	29260.4	20.95	126.82	76.8	1038.	1314.2
38.00	Bot - Section 2	0.4375	54.786	75.467	28163.5	20.67	125.23	77.1	1012.	775.3
40.00		0.4375	54.322	74.822	27447.7	20.48	124.16	77.3	995.2	1031.1
45.00	Top - Section 1	0.4375	54.036	74.425	27012.9	20.37	123.51	0.0	0.0	2539.3
50.00		0.4375	52.875	72.813	25295.2	19.90	120.86	78.0	942.3	1252.5
55.00		0.4375	51.714	71.201	23651.9	19.43	118.20	78.5	900.8	1225.1
60.00		0.4375	50.552	69.588	22081.3	18.96	115.55	79.1	860.3	1197.7
65.00		0.4375	49.391	67.976	20581.9	18.50	112.89	79.6	820.8	1170.3
70.00		0.4375	48.230	66.364	19151.9	18.03	110.24	80.2	782.1	1142.8
75.00		0.4375	47.069	64.752	17789.8	17.56	107.59	80.7	744.4	1115.4
77.00	Bot - Section 3	0.4375	46.605	64.107	17263.5	17.37	106.53	81.0	729.6	438.5
80.00		0.4375	45.908	63.140	16493.8	17.09	104.93	81.3	707.6	1216.1
83.00	Top - Section 2	0.3750	45.962	54.258	14245.9	20.20	122.56	0.0	0.0	1197.7
85.00		0.3750	45.497	53.705	13814.9	19.98	121.33	77.9	598.1	367.4
90.00		0.3750	44.336	52.323	12775.7	19.44	118.23	78.5	567.6	902.0
95.00		0.3750	43.175	50.941	11789.9	18.89	115.13	79.2	537.8	878.5
100.00		0.3750	42.014	49.559	10856.3	18.34	112.04	79.8	508.9	854.9
105.00		0.3750	40.853	48.177	9973.2	17.80	108.94	80.5	480.8	831.4
110.00		0.3750	39.692	46.795	9139.4	17.25	105.85	81.1	453.5	807.9
112.00	Bot - Section 4	0.3750	39.228	46.243	8819.3	17.03	104.61	81.4	442.8	316.6
115.00		0.3750	38.531	45.414	8353.4	16.71	102.75	81.8	427.0	824.7
117.00	Top - Section 3	0.2813	38.629	34.238	6361.2	22.80	137.32	0.0	0.0	541.6
120.00		0.2813	37.933	33.616	6020.8	22.37	134.85	75.1	312.6	346.3
125.00		0.2813	36.771	32.579	5480.8	21.64	130.72	75.9	293.6	563.1
130.00		0.2813	35.610	31.542	4974.1	20.91	126.59	76.8	275.1	545.5
135.00		0.2813	34.449	30.506	4499.6	20.18	122.46	77.7	257.3	527.8
140.00		0.2813	33.288	29.469	4056.3	19.46	118.34	78.5	240.0	510.2
145.00		0.2813	32.127	28.433	3643.2	18.73	114.21	79.4	223.4	492.6
147.50		0.2813	31.547	27.914	3447.5	18.36	112.15	79.8	215.2	239.7
150.00	Top - Section 4	0.2813	30.966	27.396	3259.1	18.00	110.08	80.2	207.3	235.3
150.00	Bot - Section 5	0.2188	30.966	21.352	2550.5	23.14	141.53	73.7	162.2	
155.00		0.2188	29.805	20.546	2272.3	22.61	136.22	74.8	150.2	356.4
160.00		0.2188	28.644	19.740	2015.2	21.67	130.91	75.9	138.6	342.7
165.00		0.2188	27.483	18.934	1778.2	20.74	125.61	77.0	127.4	329.0
170.00		0.2188	26.322	18.127	1560.5	19.80	120.30	78.1	116.8	315.3
175.00		0.2188	25.161	17.321	1361.4	18.87	115.00	79.2	106.6	301.6
177.00		0.2188	24.697	16.999	1286.8	18.49	112.87	79.7	102.6	116.8
180.00		0.2188	24.000	16.515	1180.0	17.93	109.69	80.3	96.8	171.1
										35795.2

Wind Loading - Shaft

Structure:	CT02219-S-SBA	**Code:**	EIA/TIA-222-G	10/5/2021	
Site Name:	North Franklin	**Exposure:**	B		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 7	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 101 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 24

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	17.366	19.10	454.84	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	17.366	19.10	446.54	0.650	0.000	5.00	26.667	17.33	529.8	0.0	1774.5
10.00		1.00	0.70	17.366	19.10	438.24	0.650	0.000	5.00	26.176	17.01	520.0	0.0	1741.6
15.00		1.00	0.70	17.366	19.10	429.94	0.650	0.000	5.00	25.685	16.70	510.3	0.0	1708.7
20.00		1.00	0.70	17.366	19.10	421.64	0.650	0.000	5.00	25.194	16.38	500.5	0.0	1675.7
25.00		1.00	0.70	17.366	19.10	413.33	0.650	0.000	5.00	24.702	16.06	490.8	0.0	1642.8
30.00		1.00	0.70	17.381	19.12	405.20	0.650	0.000	5.00	24.211	15.74	481.4	0.0	1609.9
35.00		1.00	0.73	18.163	19.98	405.73	0.650	0.000	5.00	23.720	15.42	492.9	0.0	1577.0
38.00	Bot - Section 2	1.00	0.75	18.595	20.45	405.38	0.650	0.000	3.00	13.996	9.10	297.7	0.0	930.4
40.00		1.00	0.76	18.870	20.76	404.89	0.650	0.000	2.00	9.381	6.10	202.5	0.0	1237.3
45.00	Top - Section 1	1.00	0.79	19.516	21.47	402.96	0.650	0.000	5.00	23.108	15.02	515.9	0.0	3047.1
50.00		1.00	0.81	20.112	22.12	406.87	0.650	0.000	5.00	22.617	14.70	520.4	0.0	1503.1
55.00		1.00	0.83	20.667	22.73	403.40	0.650	0.000	5.00	22.125	14.38	523.1	0.0	1470.1
60.00		1.00	0.85	21.187	23.31	399.27	0.650	0.000	5.00	21.634	14.06	524.4	0.0	1437.2
65.00		1.00	0.87	21.678	23.85	394.59	0.650	0.000	5.00	21.143	13.74	524.3	0.0	1404.3
70.00		1.00	0.89	22.142	24.36	389.41	0.650	0.000	5.00	20.652	13.42	523.1	0.0	1371.4
75.00		1.00	0.91	22.582	24.84	383.80	0.650	0.000	5.00	20.160	13.10	520.8	0.0	1338.5
77.00	Bot - Section 3	1.00	0.92	22.753	25.03	381.45	0.650	0.000	2.00	7.927	5.15	206.3	0.0	526.2
80.00		1.00	0.93	23.003	25.30	377.80	0.650	0.000	3.00	11.933	7.76	314.0	0.0	1459.3
83.00	Top - Section 2	1.00	0.94	23.246	25.57	374.03	0.650	0.000	3.00	11.756	7.64	312.6	0.0	1437.3
85.00		1.00	0.94	23.404	25.74	377.68	0.650	0.000	2.00	7.739	5.03	207.2	0.0	440.8
90.00		1.00	0.96	23.790	26.17	371.06	0.650	0.000	5.00	19.004	12.35	517.2	0.0	1082.4
95.00		1.00	0.97	24.160	26.58	364.14	0.650	0.000	5.00	18.513	12.03	511.7	0.0	1054.2
100.00		1.00	0.99	24.517	26.97	356.95	0.650	0.000	5.00	18.022	11.71	505.5	0.0	1025.9
105.00		1.00	1.00	24.861	27.35	349.52	0.650	0.000	5.00	17.530	11.39	498.6	0.0	997.7
110.00		1.00	1.02	25.194	27.71	341.85	0.650	0.000	5.00	17.039	11.08	491.1	0.0	969.5
112.00	Bot - Section 4	1.00	1.02	25.324	27.86	338.72	0.650	0.000	2.00	6.678	4.34	193.5	0.0	379.9
115.00		1.00	1.03	25.516	28.07	333.96	0.650	0.000	3.00	10.013	6.51	292.3	0.0	989.7
117.00	Top - Section 3	1.00	1.03	25.642	28.21	330.75	0.650	0.000	2.00	6.577	4.27	192.9	0.0	649.9
120.00		1.00	1.04	25.828	28.41	330.78	0.650	0.000	3.00	9.718	6.32	287.1	0.0	415.6
125.00		1.00	1.05	26.131	28.74	322.53	0.650	0.000	5.00	15.803	10.27	472.4	0.0	675.7
130.00		1.00	1.07	26.425	29.07	314.10	0.650	0.000	5.00	15.312	9.95	462.9	0.0	654.6
135.00		1.00	1.08	26.712	29.38	305.51	0.650	0.000	5.00	14.821	9.63	452.9	0.0	633.4
140.00		1.00	1.09	26.991	29.69	296.75	0.650	0.000	5.00	14.330	9.31	442.5	0.0	612.2
145.00		1.00	1.10	27.263	29.99	287.84	0.650	0.000	5.00	13.839	9.00	431.6	0.0	591.1
147.50	Appurtenance(s)	1.00	1.10	27.396	30.14	283.33	0.650	0.000	2.50	6.735	4.38	211.1	0.0	287.6
150.00	Top - Section 4	1.00	1.11	27.528	30.28	278.78	0.650	0.000	2.50	6.612	4.30	208.2	0.0	282.3
155.00		1.00	1.12	27.787	30.57	269.59	0.650	0.000	5.00	12.856	8.36	408.7	0.0	427.7
160.00		1.00	1.13	28.040	30.84	260.26	0.650	0.000	5.00	12.365	8.04	396.6	0.0	411.3
165.00		1.00	1.14	28.288	31.12	250.81	0.650	0.000	5.00	11.874	7.72	384.2	0.0	394.8
170.00		1.00	1.15	28.530	31.38	241.25	0.650	0.000	5.00	11.382	7.40	371.5	0.0	378.3
175.00		1.00	1.16	28.768	31.64	231.56	0.650	0.000	5.00	10.891	7.08	358.4	0.0	361.9
177.00	Appurtenance(s)	1.00	1.16	28.861	31.75	227.66	0.650	0.000	2.00	4.219	2.74	139.3	0.0	140.1
180.00		1.00	1.17	29.000	31.90	221.77	0.650	0.000	3.00	6.181	4.02	205.1	0.0	205.3
								Totals:	**180.00**			**17,153.4**		**42,954.3**

Discrete Appurtenance Forces

Structure:	CT02219-S-SBA	**Code:**	EIA/TIA-222-G	10/5/2021	
Site Name:	North Franklin	**Exposure:**	B		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 8	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 101 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 24

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	177.00	Low Profile Platform	1	28.861	31.747	1.00	1.00	22.00	1800.00	0.000	0.000	1117.51	0.00	0.00
2	177.00	NHH-65B-R2B	6	28.908	31.798	0.62	0.75	30.18	314.64	0.000	1.000	1535.42	0.00	1535.42
3	177.00	LPA-80063/8CF	6	28.908	31.798	0.70	0.75	57.21	273.60	0.000	1.000	2910.65	0.00	2910.65
4	177.00	MT6407-77A	3	28.908	31.798	0.52	0.75	7.39	285.84	0.000	1.000	375.82	0.00	375.82
5	177.00	Samsung RF4439d-25A	3	28.908	31.798	0.50	0.75	2.83	303.84	0.000	1.000	144.19	0.00	144.19
6	177.00	Samsung RF4440-13A	3	28.908	31.798	0.50	0.75	2.83	253.08	0.000	1.000	144.19	0.00	144.19
7	177.00	RFS DB-C1-12C-24AB-0Z	1	28.908	31.798	0.75	0.75	3.05	38.40	0.000	1.000	154.92	0.00	154.92
8	177.00	Handrails	1	28.861	31.747	1.00	1.00	9.75	487.93	0.000	0.000	495.26	0.00	0.00
9	177.00	BSAMNT-SBS-1-2	1	28.861	31.747	1.00	1.00	0.00	30.42	0.000	0.000	0.00	0.00	0.00
10	147.50	Low Profile Platform	1	27.396	30.136	1.00	1.00	22.00	1800.00	0.000	0.000	1060.78	0.00	0.00
							Totals:		**5,587.75**			**7,938.75**		

Total Applied Force Summary

Structure:	CT02219-S-SBA		**Code:**	EIA/TIA-222-G	10/5/2021
Site Name:	North Franklin		**Exposure:**	B	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 9

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 101 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 24

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		529.80	1843.49	0.00	0.00
10.00		520.04	1810.57	0.00	0.00
15.00		510.28	1777.66	0.00	0.00
20.00		500.52	1744.74	0.00	0.00
25.00		490.76	1711.82	0.00	0.00
30.00		481.41	1678.91	0.00	0.00
35.00		492.88	1645.99	0.00	0.00
38.00		297.74	971.80	0.00	0.00
40.00		202.50	1264.88	0.00	0.00
45.00		515.90	3116.13	0.00	0.00
50.00		520.37	1572.05	0.00	0.00
55.00		523.12	1539.14	0.00	0.00
60.00		524.38	1506.22	0.00	0.00
65.00		524.33	1473.31	0.00	0.00
70.00		523.10	1440.39	0.00	0.00
75.00		520.83	1407.47	0.00	0.00
77.00		206.32	553.77	0.00	0.00
80.00		314.01	1500.68	0.00	0.00
83.00		312.63	1478.67	0.00	0.00
85.00		207.21	468.45	0.00	0.00
90.00		517.20	1151.37	0.00	0.00
95.00		511.68	1123.15	0.00	0.00
100.00		505.46	1094.94	0.00	0.00
105.00		498.58	1066.73	0.00	0.00
110.00		491.09	1038.51	0.00	0.00
112.00		193.47	407.51	0.00	0.00
115.00		292.27	1031.09	0.00	0.00
117.00		192.92	677.52	0.00	0.00
120.00		287.13	457.00	0.00	0.00
125.00		472.42	744.74	0.00	0.00
130.00		462.90	723.57	0.00	0.00
135.00		452.90	702.41	0.00	0.00
140.00		442.47	681.24	0.00	0.00
145.00		431.60	660.08	0.00	0.00
147.50	(1) attachments	1271.87	2122.10	0.00	0.00
150.00		208.23	316.81	0.00	0.00
155.00		408.68	496.72	0.00	0.00
160.00		396.64	480.25	0.00	0.00
165.00		384.25	463.79	0.00	0.00
170.00		371.51	447.33	0.00	0.00
175.00		358.43	430.87	0.00	0.00
177.00	(25) attachments	7017.26	3955.49	0.00	5265.20
180.00		205.06	205.27	0.00	0.00
	Totals:	**25,092.15**	**50,984.62**	**0.00**	**5,265.20**

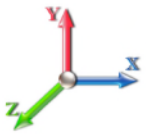
Calculated Forces

Structure:	CT02219-S-SBA	**Code:**	EIA/TIA-222-G	10/5/2021	
Site Name:	North Franklin	**Exposure:**	B		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 10	

Load Case: 1.2D + 1.6W 101 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 24

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-50.96	-25.13	0.00	-2963.7	0.00	2963.76	5755.79	2877.89	14954.5	7488.40	0.00	0.000	0.000	0.405
5.00	-49.08	-24.68	0.00	-2838.0	0.00	2838.09	5692.65	2846.33	14516.8	7269.20	0.05	-0.093	0.000	0.399
10.00	-47.23	-24.24	0.00	-2714.6	0.00	2714.67	5627.92	2813.96	14081.1	7051.05	0.20	-0.188	0.000	0.393
15.00	-45.42	-23.80	0.00	-2593.4	0.00	2593.49	5561.60	2780.80	13647.8	6834.05	0.45	-0.283	0.000	0.388
20.00	-43.63	-23.36	0.00	-2474.5	0.00	2474.51	5493.67	2746.84	13216.9	6618.32	0.80	-0.380	0.000	0.382
25.00	-41.89	-22.93	0.00	-2357.7	0.00	2357.71	5424.15	2712.07	12788.9	6403.97	1.25	-0.478	0.000	0.376
30.00	-40.17	-22.50	0.00	-2243.0	0.00	2243.08	5353.03	2676.51	12363.8	6191.13	1.80	-0.576	0.000	0.370
35.00	-38.50	-22.04	0.00	-2130.5	0.00	2130.58	5280.31	2640.16	11942.0	5979.90	2.46	-0.676	0.000	0.364
38.00	-37.51	-21.77	0.00	-2064.4	0.00	2064.45	5235.92	2617.96	11690.6	5853.99	2.90	-0.737	0.000	0.360
40.00	-36.23	-21.59	0.00	-2020.9	0.00	2020.91	5206.00	2603.00	11523.6	5770.41	3.22	-0.779	0.000	0.357
45.00	-33.08	-21.09	0.00	-1912.9	0.00	1912.95	5187.44	2593.72	11421.1	5719.07	4.09	-0.881	0.000	0.341
50.00	-31.48	-20.60	0.00	-1807.4	0.00	1807.49	5111.14	2555.57	11007.4	5511.90	5.07	-0.984	0.000	0.334
55.00	-29.92	-20.10	0.00	-1704.4	0.00	1704.49	5033.24	2516.62	10597.6	5306.71	6.15	-1.082	0.000	0.327
60.00	-28.39	-19.60	0.00	-1603.9	0.00	1603.98	4953.74	2476.87	10192.1	5103.63	7.34	-1.182	0.000	0.320
65.00	-26.89	-19.09	0.00	-1505.9	0.00	1505.99	4872.64	2436.32	9790.99	4902.77	8.63	-1.282	0.000	0.313
70.00	-25.43	-18.58	0.00	-1410.5	0.00	1410.55	4789.95	2394.98	9394.53	4704.25	10.03	-1.383	0.000	0.305
75.00	-24.01	-18.05	0.00	-1317.6	0.00	1317.66	4705.66	2352.83	9002.97	4508.18	11.53	-1.484	0.000	0.297
77.00	-23.45	-17.85	0.00	-1281.5	0.00	1281.56	4671.50	2335.75	8847.77	4430.46	12.16	-1.526	0.000	0.294
80.00	-21.94	-17.52	0.00	-1228.0	0.00	1228.01	4619.77	2309.89	8616.54	4314.67	13.14	-1.588	0.000	0.289
83.00	-20.45	-17.18	0.00	-1175.4	0.00	1175.45	3791.35	1895.67	7099.23	3554.89	14.16	-1.650	0.000	0.336
85.00	-19.97	-16.99	0.00	-1141.0	0.00	1141.08	3765.13	1882.57	6977.74	3494.06	14.86	-1.692	0.000	0.332
90.00	-18.80	-16.48	0.00	-1056.1	0.00	1056.12	3698.49	1849.25	6676.41	3343.17	16.69	-1.805	0.000	0.321
95.00	-17.66	-15.96	0.00	-973.74	0.00	973.74	3630.25	1815.12	6378.69	3194.08	18.64	-1.918	0.000	0.310
100.00	-16.56	-15.45	0.00	-893.92	0.00	893.92	3560.41	1780.20	6084.79	3046.92	20.71	-2.030	0.000	0.298
105.00	-15.48	-14.95	0.00	-816.66	0.00	816.66	3488.97	1744.49	5794.96	2901.79	22.90	-2.143	0.000	0.286
110.00	-14.44	-14.44	0.00	-741.93	0.00	741.93	3415.94	1707.97	5509.43	2758.81	25.20	-2.254	0.000	0.273
112.00	-14.03	-14.24	0.00	-713.06	0.00	713.06	3386.28	1693.14	5396.47	2702.25	26.15	-2.299	0.000	0.268
115.00	-13.00	-13.92	0.00	-670.34	0.00	670.34	3341.31	1670.66	5228.42	2618.09	27.62	-2.366	0.000	0.260
117.00	-12.31	-13.71	0.00	-642.51	0.00	642.51	2298.09	1149.05	3623.03	1814.21	28.62	-2.411	0.000	0.360
120.00	-11.85	-13.42	0.00	-601.38	0.00	601.38	2271.88	1135.94	3516.17	1760.70	30.16	-2.477	0.000	0.347
125.00	-11.09	-12.94	0.00	-534.26	0.00	534.26	2226.92	1113.46	3339.52	1672.24	32.82	-2.611	0.000	0.325
130.00	-10.36	-12.47	0.00	-469.54	0.00	469.54	2180.36	1090.18	3164.87	1584.79	35.63	-2.741	0.000	0.301
135.00	-9.66	-12.01	0.00	-407.19	0.00	407.19	2132.21	1066.11	2992.46	1498.45	38.56	-2.866	0.000	0.276
140.00	-8.98	-11.55	0.00	-347.16	0.00	347.16	2082.46	1041.23	2822.51	1413.35	41.63	-2.986	0.000	0.250
145.00	-8.33	-11.09	0.00	-289.43	0.00	289.43	2031.11	1015.56	2655.26	1329.61	44.82	-3.097	0.000	0.222
147.50	-6.27	-9.71	0.00	-261.70	0.00	261.70	2004.84	1002.42	2572.72	1288.27	46.45	-3.151	0.000	0.206
150.00	-5.95	-9.49	0.00	-237.42	0.00	237.42	1978.17	989.08	2490.94	1247.32	48.12	-3.203	0.000	0.193
150.00	-5.95	-9.49	0.00	-237.42	0.00	237.42	1416.47	708.23	1790.91	896.79	48.12	-3.203	0.000	0.269
155.00	-5.46	-9.07	0.00	-189.95	0.00	189.95	1383.33	691.66	1682.50	842.50	51.52	-3.296	0.000	0.230
160.00	-4.99	-8.65	0.00	-144.61	0.00	144.61	1348.59	674.30	1575.42	788.88	55.03	-3.401	0.000	0.187
165.00	-4.54	-8.25	0.00	-101.35	0.00	101.35	1312.26	656.13	1469.88	736.03	58.64	-3.487	0.000	0.141
170.00	-4.11	-7.85	0.00	-60.12	0.00	60.12	1274.33	637.17	1366.13	684.08	62.33	-3.552	0.000	0.091
175.00	-3.70	-7.47	0.00	-20.86	0.00	20.86	1234.81	617.40	1264.39	633.13	66.07	-3.589	0.000	0.036
177.00	-0.19	-0.22	0.00	-0.65	0.00	0.65	1218.55	609.28	1224.31	613.06	67.57	-3.594	0.000	0.001
180.00	0.00	-0.21	0.00	0.00	0.00	0.00	1193.69	596.84	1164.89	583.31	69.83	-3.595	0.000	0.000

Wind Loading - Shaft

Structure:	CT02219-S-SBA	**Code:**	EIA/TIA-222-G	10/5/2021	
Site Name:	North Franklin	**Exposure:**	B		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 11	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 101 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 24

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	17.366	19.10	454.84	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	17.366	19.10	446.54	0.650	0.000	5.00	26.667	17.33	529.8	0.0	1330.9
10.00		1.00	0.70	17.366	19.10	438.24	0.650	0.000	5.00	26.176	17.01	520.0	0.0	1306.2
15.00		1.00	0.70	17.366	19.10	429.94	0.650	0.000	5.00	25.685	16.70	510.3	0.0	1281.5
20.00		1.00	0.70	17.366	19.10	421.64	0.650	0.000	5.00	25.194	16.38	500.5	0.0	1256.8
25.00		1.00	0.70	17.366	19.10	413.33	0.650	0.000	5.00	24.702	16.06	490.8	0.0	1232.1
30.00		1.00	0.70	17.381	19.12	405.20	0.650	0.000	5.00	24.211	15.74	481.4	0.0	1207.4
35.00		1.00	0.73	18.163	19.98	405.73	0.650	0.000	5.00	23.720	15.42	492.9	0.0	1182.7
38.00	Bot - Section 2	1.00	0.75	18.595	20.45	405.38	0.650	0.000	3.00	13.996	9.10	297.7	0.0	697.8
40.00		1.00	0.76	18.870	20.76	404.89	0.650	0.000	2.00	9.381	6.10	202.5	0.0	928.0
45.00	Top - Section 1	1.00	0.79	19.516	21.47	402.96	0.650	0.000	5.00	23.108	15.02	515.9	0.0	2285.3
50.00		1.00	0.81	20.112	22.12	406.87	0.650	0.000	5.00	22.617	14.70	520.4	0.0	1127.3
55.00		1.00	0.83	20.667	22.73	403.40	0.650	0.000	5.00	22.125	14.38	523.1	0.0	1102.6
60.00		1.00	0.85	21.187	23.31	399.27	0.650	0.000	5.00	21.634	14.06	524.4	0.0	1077.9
65.00		1.00	0.87	21.678	23.85	394.59	0.650	0.000	5.00	21.143	13.74	524.3	0.0	1053.2
70.00		1.00	0.89	22.142	24.36	389.41	0.650	0.000	5.00	20.652	13.42	523.1	0.0	1028.5
75.00		1.00	0.91	22.582	24.84	383.80	0.650	0.000	5.00	20.160	13.10	520.8	0.0	1003.9
77.00	Bot - Section 3	1.00	0.92	22.753	25.03	381.45	0.650	0.000	2.00	7.927	5.15	206.3	0.0	394.6
80.00		1.00	0.93	23.003	25.30	377.80	0.650	0.000	3.00	11.933	7.76	314.0	0.0	1094.5
83.00	Top - Section 2	1.00	0.94	23.246	25.57	374.03	0.650	0.000	3.00	11.756	7.64	312.6	0.0	1078.0
85.00		1.00	0.94	23.404	25.74	377.68	0.650	0.000	2.00	7.739	5.03	207.2	0.0	330.6
90.00		1.00	0.96	23.790	26.17	371.06	0.650	0.000	5.00	19.004	12.35	517.2	0.0	811.8
95.00		1.00	0.97	24.160	26.58	364.14	0.650	0.000	5.00	18.513	12.03	511.7	0.0	790.6
100.00		1.00	0.99	24.517	26.97	356.95	0.650	0.000	5.00	18.022	11.71	505.5	0.0	769.5
105.00		1.00	1.00	24.861	27.35	349.52	0.650	0.000	5.00	17.530	11.39	498.6	0.0	748.3
110.00		1.00	1.02	25.194	27.71	341.85	0.650	0.000	5.00	17.039	11.08	491.1	0.0	727.1
112.00	Bot - Section 4	1.00	1.02	25.324	27.86	338.72	0.650	0.000	2.00	6.678	4.34	193.5	0.0	284.9
115.00		1.00	1.03	25.516	28.07	333.96	0.650	0.000	3.00	10.013	6.51	292.3	0.0	742.3
117.00	Top - Section 3	1.00	1.03	25.642	28.21	330.75	0.650	0.000	2.00	6.577	4.27	192.9	0.0	487.4
120.00		1.00	1.04	25.828	28.41	330.78	0.650	0.000	3.00	9.718	6.32	287.1	0.0	311.7
125.00		1.00	1.05	26.131	28.74	322.53	0.650	0.000	5.00	15.803	10.27	472.4	0.0	506.8
130.00		1.00	1.07	26.425	29.07	314.10	0.650	0.000	5.00	15.312	9.95	462.9	0.0	490.9
135.00		1.00	1.08	26.712	29.38	305.51	0.650	0.000	5.00	14.821	9.63	452.9	0.0	475.1
140.00		1.00	1.09	26.991	29.69	296.75	0.650	0.000	5.00	14.330	9.31	442.5	0.0	459.2
145.00		1.00	1.10	27.263	29.99	287.84	0.650	0.000	5.00	13.839	9.00	431.6	0.0	443.3
147.50	Appurtenance(s)	1.00	1.10	27.396	30.14	283.33	0.650	0.000	2.50	6.735	4.38	211.1	0.0	215.7
150.00	Top - Section 4	1.00	1.11	27.528	30.28	278.78	0.650	0.000	2.50	6.612	4.30	208.2	0.0	211.7
155.00		1.00	1.12	27.787	30.57	269.59	0.650	0.000	5.00	12.856	8.36	408.7	0.0	320.8
160.00		1.00	1.13	28.040	30.84	260.26	0.650	0.000	5.00	12.365	8.04	396.6	0.0	308.4
165.00		1.00	1.14	28.288	31.12	250.81	0.650	0.000	5.00	11.874	7.72	384.2	0.0	296.1
170.00		1.00	1.15	28.530	31.38	241.25	0.650	0.000	5.00	11.382	7.40	371.5	0.0	283.7
175.00		1.00	1.16	28.768	31.64	231.56	0.650	0.000	5.00	10.891	7.08	358.4	0.0	271.4
177.00	Appurtenance(s)	1.00	1.16	28.861	31.75	227.66	0.650	0.000	2.00	4.219	2.74	139.3	0.0	105.1
180.00		1.00	1.17	29.000	31.90	221.77	0.650	0.000	3.00	6.181	4.02	205.1	0.0	154.0
								Totals:	**180.00**			**17,153.4**		**32,215.7**

Discrete Appurtenance Forces

Structure:	CT02219-S-SBA	**Code:**	EIA/TIA-222-G	10/5/2021	
Site Name:	North Franklin	**Exposure:**	B		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 12	

Load Case: 0.9D + 1.6W 101 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 24

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	177.00	Low Profile Platform	1	28.861	31.747	1.00	1.00	22.00	1350.00	0.000	0.000	1117.51	0.00	0.00
2	177.00	NHH-65B-R2B	6	28.908	31.798	0.62	0.75	30.18	235.98	0.000	1.000	1535.42	0.00	1535.42
3	177.00	LPA-80063/8CF	6	28.908	31.798	0.70	0.75	57.21	205.20	0.000	1.000	2910.65	0.00	2910.65
4	177.00	MT6407-77A	3	28.908	31.798	0.52	0.75	7.39	214.38	0.000	1.000	375.82	0.00	375.82
5	177.00	Samsung RF4439d-25A	3	28.908	31.798	0.50	0.75	2.83	227.88	0.000	1.000	144.19	0.00	144.19
6	177.00	Samsung RF4440-13A	3	28.908	31.798	0.50	0.75	2.83	189.81	0.000	1.000	144.19	0.00	144.19
7	177.00	RFS DB-C1-12C-24AB-0Z	1	28.908	31.798	0.75	0.75	3.05	28.80	0.000	1.000	154.92	0.00	154.92
8	177.00	Handrails	1	28.861	31.747	1.00	1.00	9.75	365.95	0.000	0.000	495.26	0.00	0.00
9	177.00	BSAMNT-SBS-1-2	1	28.861	31.747	1.00	1.00	0.00	22.82	0.000	0.000	0.00	0.00	0.00
10	147.50	Low Profile Platform	1	27.396	30.136	1.00	1.00	22.00	1350.00	0.000	0.000	1060.78	0.00	0.00
							Totals:		**4,190.81**			**7,938.75**		

Total Applied Force Summary

Structure:	CT02219-S-SBA		**Code:**	EIA/TIA-222-G	10/5/2021
Site Name:	North Franklin		**Exposure:**	B	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 13

Load Case: 0.9D + 1.6W 101 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 24

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		529.80	1382.62	0.00	0.00
10.00		520.04	1357.93	0.00	0.00
15.00		510.28	1333.24	0.00	0.00
20.00		500.52	1308.56	0.00	0.00
25.00		490.76	1283.87	0.00	0.00
30.00		481.41	1259.18	0.00	0.00
35.00		492.88	1234.49	0.00	0.00
38.00		297.74	728.85	0.00	0.00
40.00		202.50	948.66	0.00	0.00
45.00		515.90	2337.10	0.00	0.00
50.00		520.37	1179.04	0.00	0.00
55.00		523.12	1154.35	0.00	0.00
60.00		524.38	1129.67	0.00	0.00
65.00		524.33	1104.98	0.00	0.00
70.00		523.10	1080.29	0.00	0.00
75.00		520.83	1055.61	0.00	0.00
77.00		206.32	415.33	0.00	0.00
80.00		314.01	1125.51	0.00	0.00
83.00		312.63	1109.00	0.00	0.00
85.00		207.21	351.33	0.00	0.00
90.00		517.20	863.52	0.00	0.00
95.00		511.68	842.36	0.00	0.00
100.00		505.46	821.20	0.00	0.00
105.00		498.58	800.04	0.00	0.00
110.00		491.09	778.88	0.00	0.00
112.00		193.47	305.63	0.00	0.00
115.00		292.27	773.32	0.00	0.00
117.00		192.92	508.14	0.00	0.00
120.00		287.13	342.75	0.00	0.00
125.00		472.42	558.55	0.00	0.00
130.00		462.90	542.68	0.00	0.00
135.00		452.90	526.81	0.00	0.00
140.00		442.47	510.93	0.00	0.00
145.00		431.60	495.06	0.00	0.00
147.50	(1) attachments	1271.87	1591.58	0.00	0.00
150.00		208.23	237.61	0.00	0.00
155.00		408.68	372.54	0.00	0.00
160.00		396.64	360.19	0.00	0.00
165.00		384.25	347.84	0.00	0.00
170.00		371.51	335.50	0.00	0.00
175.00		358.43	323.15	0.00	0.00
177.00	(25) attachments	7017.26	2966.62	0.00	5265.20
180.00		205.06	153.95	0.00	0.00
	Totals:	**25,092.15**	**38,238.47**	**0.00**	**5,265.20**

Calculated Forces

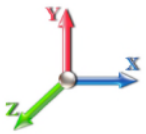
Structure:	CT02219-S-SBA	**Code:**	EIA/TIA-222-G	10/5/2021	
Site Name:	North Franklin	**Exposure:**	B		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 14	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 101 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 24

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-38.22	-25.12	0.00	-2942.1	0.00	2942.19	5755.79	2877.89	14954.5	7488.40	0.00	0.000	0.000	0.400
5.00	-36.80	-24.65	0.00	-2816.5	0.00	2816.57	5692.65	2846.33	14516.8	7269.20	0.05	-0.093	0.000	0.394
10.00	-35.40	-24.19	0.00	-2693.3	0.00	2693.31	5627.92	2813.96	14081.1	7051.05	0.20	-0.186	0.000	0.388
15.00	-34.03	-23.73	0.00	-2572.3	0.00	2572.38	5561.60	2780.80	13647.8	6834.05	0.44	-0.281	0.000	0.383
20.00	-32.68	-23.28	0.00	-2453.7	0.00	2453.74	5493.67	2746.84	13216.9	6618.32	0.79	-0.377	0.000	0.377
25.00	-31.36	-22.83	0.00	-2337.3	0.00	2337.36	5424.15	2712.07	12788.9	6403.97	1.24	-0.474	0.000	0.371
30.00	-30.07	-22.39	0.00	-2223.2	0.00	2223.22	5353.03	2676.51	12363.8	6191.13	1.79	-0.572	0.000	0.365
35.00	-28.81	-21.92	0.00	-2111.2	0.00	2111.29	5280.31	2640.16	11942.0	5979.90	2.44	-0.671	0.000	0.359
38.00	-28.07	-21.64	0.00	-2045.5	0.00	2045.53	5235.92	2617.96	11690.6	5853.99	2.88	-0.731	0.000	0.355
40.00	-27.10	-21.46	0.00	-2002.2	0.00	2002.25	5206.00	2603.00	11523.6	5770.41	3.19	-0.772	0.000	0.352
45.00	-24.73	-20.95	0.00	-1894.9	0.00	1894.96	5187.44	2593.72	11421.1	5719.07	4.06	-0.873	0.000	0.336
50.00	-23.52	-20.45	0.00	-1790.2	0.00	1790.20	5111.14	2555.57	11007.4	5511.90	5.03	-0.975	0.000	0.329
55.00	-22.34	-19.95	0.00	-1687.9	0.00	1687.94	5033.24	2516.62	10597.6	5306.71	6.10	-1.073	0.000	0.323
60.00	-21.19	-19.44	0.00	-1588.1	0.00	1588.19	4953.74	2476.87	10192.1	5103.63	7.28	-1.171	0.000	0.316
65.00	-20.06	-18.93	0.00	-1491.0	0.00	1491.00	4872.64	2436.32	9790.99	4902.77	8.56	-1.271	0.000	0.308
70.00	-18.96	-18.41	0.00	-1396.3	0.00	1396.38	4789.95	2394.98	9394.53	4704.25	9.94	-1.370	0.000	0.301
75.00	-17.90	-17.89	0.00	-1304.3	0.00	1304.32	4705.66	2352.83	9002.97	4508.18	11.43	-1.471	0.000	0.293
77.00	-17.47	-17.68	0.00	-1268.5	0.00	1268.55	4671.50	2335.75	8847.77	4430.46	12.06	-1.512	0.000	0.290
80.00	-16.34	-17.36	0.00	-1215.5	0.00	1215.50	4619.77	2309.89	8616.54	4314.67	13.03	-1.573	0.000	0.285
83.00	-15.22	-17.03	0.00	-1163.4	0.00	1163.42	3791.35	1895.67	7099.23	3554.89	14.03	-1.635	0.000	0.331
85.00	-14.86	-16.83	0.00	-1129.3	0.00	1129.37	3765.13	1882.57	6977.74	3494.06	14.73	-1.676	0.000	0.327
90.00	-13.98	-16.32	0.00	-1045.2	0.00	1045.21	3698.49	1849.25	6676.41	3343.17	16.54	-1.788	0.000	0.316
95.00	-13.12	-15.80	0.00	-963.64	0.00	963.64	3630.25	1815.12	6378.69	3194.08	18.48	-1.900	0.000	0.305
100.00	-12.29	-15.29	0.00	-884.63	0.00	884.63	3560.41	1780.20	6084.79	3046.92	20.53	-2.011	0.000	0.294
105.00	-11.48	-14.79	0.00	-808.16	0.00	808.16	3488.97	1744.49	5794.96	2901.79	22.69	-2.122	0.000	0.282
110.00	-10.70	-14.28	0.00	-734.22	0.00	734.22	3415.94	1707.97	5509.43	2758.81	24.97	-2.232	0.000	0.269
112.00	-10.39	-14.09	0.00	-705.66	0.00	705.66	3386.28	1693.14	5396.47	2702.25	25.92	-2.277	0.000	0.264
115.00	-9.61	-13.77	0.00	-663.40	0.00	663.40	3341.31	1670.66	5228.42	2618.09	27.37	-2.343	0.000	0.256
117.00	-9.10	-13.57	0.00	-635.86	0.00	635.86	2298.09	1149.05	3623.03	1814.21	28.36	-2.388	0.000	0.355
120.00	-8.75	-13.28	0.00	-595.15	0.00	595.15	2271.88	1135.94	3516.17	1760.70	29.88	-2.453	0.000	0.342
125.00	-8.18	-12.80	0.00	-528.74	0.00	528.74	2226.92	1113.46	3339.52	1672.24	32.52	-2.586	0.000	0.320
130.00	-7.63	-12.33	0.00	-464.73	0.00	464.73	2180.36	1090.18	3164.87	1584.79	35.30	-2.715	0.000	0.297
135.00	-7.10	-11.87	0.00	-403.06	0.00	403.06	2132.21	1066.11	2992.46	1498.45	38.21	-2.839	0.000	0.272
140.00	-6.59	-11.42	0.00	-343.71	0.00	343.71	2082.46	1041.23	2822.51	1413.35	41.25	-2.957	0.000	0.246
145.00	-6.11	-10.97	0.00	-286.63	0.00	286.63	2031.11	1015.56	2655.26	1329.61	44.40	-3.067	0.000	0.219
147.50	-4.58	-9.62	0.00	-259.21	0.00	259.21	2004.84	1002.42	2572.72	1288.27	46.02	-3.121	0.000	0.204
150.00	-4.34	-9.40	0.00	-235.17	0.00	235.17	1978.17	989.08	2490.94	1247.32	47.67	-3.172	0.000	0.191
150.00	-4.34	-9.40	0.00	-235.17	0.00	235.17	1416.47	708.23	1790.91	896.79	47.67	-3.172	0.000	0.265
155.00	-3.97	-8.98	0.00	-188.17	0.00	188.17	1383.33	691.66	1682.50	842.50	51.04	-3.264	0.000	0.226
160.00	-3.62	-8.57	0.00	-143.28	0.00	143.28	1348.59	674.30	1575.42	788.88	54.52	-3.368	0.000	0.184
165.00	-3.29	-8.17	0.00	-100.44	0.00	100.44	1312.26	656.13	1469.88	736.03	58.09	-3.454	0.000	0.139
170.00	-2.97	-7.78	0.00	-59.61	0.00	59.61	1274.33	637.17	1366.13	684.08	61.74	-3.518	0.000	0.090
175.00	-2.67	-7.40	0.00	-20.71	0.00	20.71	1234.81	617.40	1264.39	633.13	65.45	-3.554	0.000	0.035
177.00	-0.14	-0.21	0.00	-0.64	0.00	0.64	1218.55	609.28	1224.31	613.06	66.94	-3.560	0.000	0.001
180.00	0.00	-0.21	0.00	0.00	0.00	0.00	1193.69	596.84	1164.89	583.31	69.17	-3.560	0.000	0.000

Wind Loading - Shaft

Structure:	CT02219-S-SBA	**Code:**	EIA/TIA-222-G	10/5/2021	
Site Name:	North Franklin	**Exposure:**	B		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 15	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 23

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	4.256	4.68	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	4.256	4.68	0.00	1.200	1.242	5.00	27.702	33.24	155.6	495.6	2270.1
10.00		1.00	0.70	4.256	4.68	0.00	1.200	1.331	5.00	27.286	32.74	153.3	522.2	2263.8
15.00		1.00	0.70	4.256	4.68	0.00	1.200	1.386	5.00	26.840	32.21	150.8	534.2	2242.9
20.00		1.00	0.70	4.256	4.68	0.00	1.200	1.427	5.00	26.383	31.66	148.2	539.8	2215.5
25.00		1.00	0.70	4.256	4.68	0.00	1.200	1.459	5.00	25.918	31.10	145.6	541.6	2184.4
30.00		1.00	0.70	4.260	4.69	0.00	1.200	1.486	5.00	25.449	30.54	143.1	541.0	2150.9
35.00		1.00	0.73	4.451	4.90	0.00	1.200	1.509	5.00	24.977	29.97	146.8	538.7	2115.7
38.00	Bot - Section 2	1.00	0.75	4.557	5.01	0.00	1.200	1.521	3.00	14.757	17.71	88.8	322.0	1252.3
40.00		1.00	0.76	4.625	5.09	0.00	1.200	1.529	2.00	9.890	11.87	60.4	217.3	1454.6
45.00	Top - Section 1	1.00	0.79	4.783	5.26	0.00	1.200	1.547	5.00	24.397	29.28	154.0	538.7	3585.8
50.00		1.00	0.81	4.929	5.42	0.00	1.200	1.564	5.00	23.920	28.70	155.6	533.2	2036.2
55.00		1.00	0.83	5.065	5.57	0.00	1.200	1.579	5.00	23.441	28.13	156.7	527.0	1997.1
60.00		1.00	0.85	5.193	5.71	0.00	1.200	1.592	5.00	22.961	27.55	157.4	520.1	1957.3
65.00		1.00	0.87	5.313	5.84	0.00	1.200	1.605	5.00	22.481	26.98	157.6	512.7	1917.0
70.00		1.00	0.89	5.426	5.97	0.00	1.200	1.617	5.00	21.999	26.40	157.6	504.9	1876.3
75.00		1.00	0.91	5.534	6.09	0.00	1.200	1.628	5.00	21.517	25.82	157.2	496.7	1835.1
77.00	Bot - Section 3	1.00	0.92	5.576	6.13	0.00	1.200	1.633	2.00	8.471	10.16	62.3	197.3	723.5
80.00		1.00	0.93	5.637	6.20	0.00	1.200	1.639	3.00	12.752	15.30	94.9	297.5	1756.7
83.00	Top - Section 2	1.00	0.94	5.697	6.27	0.00	1.200	1.645	3.00	12.579	15.09	94.6	294.3	1731.6
85.00		1.00	0.94	5.736	6.31	0.00	1.200	1.649	2.00	8.289	9.95	62.8	194.8	635.6
90.00		1.00	0.96	5.830	6.41	0.00	1.200	1.658	5.00	20.386	24.46	156.9	477.7	1560.1
95.00		1.00	0.97	5.921	6.51	0.00	1.200	1.667	5.00	19.902	23.88	155.6	468.3	1522.4
100.00		1.00	0.99	6.008	6.61	0.00	1.200	1.676	5.00	19.418	23.30	154.0	458.6	1484.5
105.00		1.00	1.00	6.093	6.70	0.00	1.200	1.684	5.00	18.934	22.72	152.3	448.6	1446.4
110.00		1.00	1.02	6.174	6.79	0.00	1.200	1.692	5.00	18.449	22.14	150.4	438.5	1408.0
112.00	Bot - Section 4	1.00	1.02	6.206	6.83	0.00	1.200	1.695	2.00	7.243	8.69	59.3	173.8	553.7
115.00		1.00	1.03	6.253	6.88	0.00	1.200	1.699	3.00	10.862	13.03	89.7	260.5	1250.2
117.00	Top - Section 3	1.00	1.03	6.284	6.91	0.00	1.200	1.702	2.00	7.144	8.57	59.3	172.0	821.9
120.00		1.00	1.04	6.330	6.96	0.00	1.200	1.707	3.00	10.571	12.69	88.3	254.2	669.8
125.00		1.00	1.05	6.404	7.04	0.00	1.200	1.714	5.00	17.231	20.68	145.7	413.0	1088.8
130.00		1.00	1.07	6.476	7.12	0.00	1.200	1.720	5.00	16.746	20.10	143.2	402.2	1056.8
135.00		1.00	1.08	6.546	7.20	0.00	1.200	1.727	5.00	16.260	19.51	140.5	391.2	1024.6
140.00		1.00	1.09	6.615	7.28	0.00	1.200	1.733	5.00	15.774	18.93	137.7	380.1	992.3
145.00		1.00	1.10	6.681	7.35	0.00	1.200	1.739	5.00	15.288	18.35	134.8	368.8	959.9
147.50	Appurtenance(s)	1.00	1.10	6.714	7.39	0.00	1.200	1.742	2.50	7.461	8.95	66.1	181.6	469.2
150.00	Top - Section 4	1.00	1.11	6.746	7.42	0.00	1.200	1.745	2.50	7.339	8.81	65.4	178.7	461.0
155.00		1.00	1.12	6.810	7.49	0.00	1.200	1.751	5.00	14.315	17.18	128.7	346.0	773.7
160.00		1.00	1.13	6.872	7.56	0.00	1.200	1.757	5.00	13.829	16.59	125.4	334.3	745.6
165.00		1.00	1.14	6.933	7.63	0.00	1.200	1.762	5.00	13.342	16.01	122.1	322.6	717.4
170.00		1.00	1.15	6.992	7.69	0.00	1.200	1.767	5.00	12.855	15.43	118.6	310.8	689.1
175.00		1.00	1.16	7.050	7.76	0.00	1.200	1.772	5.00	12.368	14.84	115.1	298.8	660.7
177.00	Appurtenance(s)	1.00	1.16	7.073	7.78	0.00	1.200	1.774	2.00	4.810	5.77	44.9	117.6	257.8
180.00		1.00	1.17	7.107	7.82	0.00	1.200	1.777	3.00	7.070	8.48	66.3	172.1	377.4
								Totals:	**180.00**			**5,223.5**		**59,193.8**

Discrete Appurtenance Forces

Structure:	CT02219-S-SBA	**Code:**	EIA/TIA-222-G	10/5/2021	
Site Name:	North Franklin	**Exposure:**	B		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 16	

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 23

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	177.00	Low Profile Platform	1	7.073	7.780	1.00	1.00	39.96	2830.76	0.000	0.000	310.88	0.00	0.00
2	177.00	NHH-65B-R2B	6	7.085	7.793	0.62	0.75	35.09	1548.41	0.000	1.000	273.46	0.00	273.46
3	177.00	LPA-80063/8CF	6	7.085	7.793	0.62	0.75	65.01	1765.03	0.000	1.000	506.61	0.00	506.61
4	177.00	MT6407-77A	3	7.085	7.793	0.52	0.75	8.90	651.73	0.000	1.000	69.39	0.00	69.39
5	177.00	Samsung RF4439d-25A	3	7.085	7.793	0.50	0.75	3.68	354.58	0.000	1.000	28.67	0.00	28.67
6	177.00	Samsung RF4440-13A	3	7.085	7.793	0.50	0.75	3.68	366.62	0.000	1.000	28.67	0.00	28.67
7	177.00	RFS DB-C1-12C-24AB-0Z	1	7.085	7.793	0.75	0.75	3.67	125.63	0.000	1.000	28.61	0.00	28.61
8	177.00	Handrails	1	7.073	7.780	1.00	1.00	19.44	1385.14	0.000	0.000	151.24	0.00	0.00
9	177.00	BSAMNT-SBS-1-2	1	7.073	7.780	1.00	1.00	0.00	47.26	0.000	0.000	0.00	0.00	0.00
10	147.50	Low Profile Platform	1	6.714	7.386	1.00	1.00	39.63	2806.71	0.000	0.000	292.70	0.00	0.00
							Totals:		**11,881.86**			**1,690.24**		

Total Applied Force Summary

Structure:	CT02219-S-SBA		**Code:**	EIA/TIA-222-G	10/5/2021
Site Name:	North Franklin		**Exposure:**	B	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 17

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 23

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		155.63	2339.08	0.00	0.00
10.00		153.29	2332.78	0.00	0.00
15.00		150.79	2311.86	0.00	0.00
20.00		148.22	2284.51	0.00	0.00
25.00		145.61	2253.45	0.00	0.00
30.00		143.09	2219.93	0.00	0.00
35.00		146.76	2184.66	0.00	0.00
38.00		88.77	1293.75	0.00	0.00
40.00		60.37	1482.23	0.00	0.00
45.00		154.03	3654.84	0.00	0.00
50.00		155.63	2105.25	0.00	0.00
55.00		156.72	2066.10	0.00	0.00
60.00		157.38	2026.34	0.00	0.00
65.00		157.65	1986.05	0.00	0.00
70.00		157.57	1945.30	0.00	0.00
75.00		157.19	1904.14	0.00	0.00
77.00		62.35	751.08	0.00	0.00
80.00		94.89	1798.14	0.00	0.00
83.00		94.59	1772.96	0.00	0.00
85.00		62.76	663.20	0.00	0.00
90.00		156.89	1629.08	0.00	0.00
95.00		155.55	1591.42	0.00	0.00
100.00		154.01	1553.51	0.00	0.00
105.00		152.27	1515.37	0.00	0.00
110.00		150.36	1477.02	0.00	0.00
112.00		59.34	581.26	0.00	0.00
115.00		89.66	1291.59	0.00	0.00
117.00		59.26	849.52	0.00	0.00
120.00		88.32	711.21	0.00	0.00
125.00		145.66	1157.75	0.00	0.00
130.00		143.15	1125.76	0.00	0.00
135.00		140.51	1093.63	0.00	0.00
140.00		137.73	1061.34	0.00	0.00
145.00		134.83	1028.93	0.00	0.00
147.50	(1) attachments	358.83	3310.40	0.00	0.00
150.00		65.36	495.54	0.00	0.00
155.00		128.68	842.68	0.00	0.00
160.00		125.44	814.59	0.00	0.00
165.00		122.09	786.40	0.00	0.00
170.00		118.65	758.11	0.00	0.00
175.00		115.10	729.71	0.00	0.00
177.00	(25) attachments	1442.45	9360.50	0.00	935.42
180.00		66.32	377.35	0.00	0.00
	Totals:	**6,913.75**	**73,518.28**	**0.00**	**935.42**

Calculated Forces

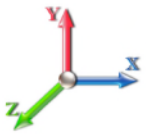
Structure:	CT02219-S-SBA	**Code:**	EIA/TIA-222-G	10/5/2021	
Site Name:	North Franklin	**Exposure:**	B		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 18	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 23

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-73.52	-6.93	0.00	-792.87	0.00	792.87	5755.79	2877.89	14954.5	7488.40	0.00	0.000	0.000	0.119
5.00	-71.17	-6.80	0.00	-758.22	0.00	758.22	5692.65	2846.33	14516.8	7269.20	0.01	-0.025	0.000	0.117
10.00	-68.84	-6.68	0.00	-724.20	0.00	724.20	5627.92	2813.96	14081.1	7051.05	0.05	-0.050	0.000	0.115
15.00	-66.52	-6.56	0.00	-690.79	0.00	690.79	5561.60	2780.80	13647.8	6834.05	0.12	-0.076	0.000	0.113
20.00	-64.24	-6.43	0.00	-658.01	0.00	658.01	5493.67	2746.84	13216.9	6618.32	0.21	-0.101	0.000	0.111
25.00	-61.98	-6.31	0.00	-625.84	0.00	625.84	5424.15	2712.07	12788.9	6403.97	0.33	-0.127	0.000	0.109
30.00	-59.76	-6.19	0.00	-594.28	0.00	594.28	5353.03	2676.51	12363.8	6191.13	0.48	-0.153	0.000	0.107
35.00	-57.57	-6.06	0.00	-563.33	0.00	563.33	5280.31	2640.16	11942.0	5979.90	0.66	-0.180	0.000	0.105
38.00	-56.28	-5.98	0.00	-545.15	0.00	545.15	5235.92	2617.96	11690.6	5853.99	0.77	-0.196	0.000	0.104
40.00	-54.79	-5.93	0.00	-533.19	0.00	533.19	5206.00	2603.00	11523.6	5770.41	0.86	-0.207	0.000	0.103
45.00	-51.14	-5.79	0.00	-503.54	0.00	503.54	5187.44	2593.72	11421.1	5719.07	1.09	-0.234	0.000	0.098
50.00	-49.03	-5.65	0.00	-474.60	0.00	474.60	5111.14	2555.57	11007.4	5511.90	1.35	-0.261	0.000	0.096
55.00	-46.96	-5.50	0.00	-446.37	0.00	446.37	5033.24	2516.62	10597.6	5306.71	1.64	-0.287	0.000	0.093
60.00	-44.93	-5.35	0.00	-418.87	0.00	418.87	4953.74	2476.87	10192.1	5103.63	1.95	-0.313	0.000	0.091
65.00	-42.95	-5.20	0.00	-392.10	0.00	392.10	4872.64	2436.32	9790.99	4902.77	2.29	-0.339	0.000	0.089
70.00	-41.00	-5.05	0.00	-366.09	0.00	366.09	4789.95	2394.98	9394.53	4704.25	2.66	-0.365	0.000	0.086
75.00	-39.10	-4.90	0.00	-340.82	0.00	340.82	4705.66	2352.83	9002.97	4508.18	3.06	-0.391	0.000	0.084
77.00	-38.34	-4.84	0.00	-331.03	0.00	331.03	4671.50	2335.75	8847.77	4430.46	3.22	-0.402	0.000	0.083
80.00	-36.54	-4.74	0.00	-316.52	0.00	316.52	4619.77	2309.89	8616.54	4314.67	3.48	-0.418	0.000	0.081
83.00	-34.77	-4.64	0.00	-302.30	0.00	302.30	3791.35	1895.67	7099.23	3554.89	3.75	-0.434	0.000	0.094
85.00	-34.11	-4.58	0.00	-293.02	0.00	293.02	3765.13	1882.57	6977.74	3494.06	3.93	-0.445	0.000	0.093
90.00	-32.48	-4.43	0.00	-270.10	0.00	270.10	3698.49	1849.25	6676.41	3343.17	4.42	-0.474	0.000	0.090
95.00	-30.88	-4.28	0.00	-247.95	0.00	247.95	3630.25	1815.12	6378.69	3194.08	4.93	-0.503	0.000	0.086
100.00	-29.33	-4.12	0.00	-226.57	0.00	226.57	3560.41	1780.20	6084.79	3046.92	5.47	-0.531	0.000	0.083
105.00	-27.81	-3.97	0.00	-205.95	0.00	205.95	3488.97	1744.49	5794.96	2901.79	6.04	-0.560	0.000	0.079
110.00	-26.34	-3.81	0.00	-186.10	0.00	186.10	3415.94	1707.97	5509.43	2758.81	6.64	-0.588	0.000	0.075
112.00	-25.76	-3.76	0.00	-178.47	0.00	178.47	3386.28	1693.14	5396.47	2702.25	6.89	-0.599	0.000	0.074
115.00	-24.47	-3.66	0.00	-167.21	0.00	167.21	3341.31	1670.66	5228.42	2618.09	7.27	-0.616	0.000	0.071
117.00	-23.62	-3.59	0.00	-159.89	0.00	159.89	2298.09	1149.05	3623.03	1814.21	7.53	-0.627	0.000	0.098
120.00	-22.90	-3.51	0.00	-149.11	0.00	149.11	2271.88	1135.94	3516.17	1760.70	7.93	-0.643	0.000	0.095
125.00	-21.75	-3.36	0.00	-131.57	0.00	131.57	2226.92	1113.46	3339.52	1672.24	8.63	-0.676	0.000	0.088
130.00	-20.62	-3.22	0.00	-114.75	0.00	114.75	2180.36	1090.18	3164.87	1584.79	9.35	-0.708	0.000	0.082
135.00	-19.53	-3.07	0.00	-98.67	0.00	98.67	2132.21	1066.11	2992.46	1498.45	10.11	-0.739	0.000	0.075
140.00	-18.47	-2.93	0.00	-83.31	0.00	83.31	2082.46	1041.23	2822.51	1413.35	10.90	-0.768	0.000	0.068
145.00	-17.44	-2.79	0.00	-68.66	0.00	68.66	2031.11	1015.56	2655.26	1329.61	11.72	-0.794	0.000	0.060
147.50	-14.13	-2.38	0.00	-61.70	0.00	61.70	2004.84	1002.42	2572.72	1288.27	12.14	-0.807	0.000	0.055
150.00	-13.64	-2.32	0.00	-55.73	0.00	55.73	1978.17	989.08	2490.94	1247.32	12.56	-0.819	0.000	0.052
150.00	-13.64	-2.32	0.00	-55.73	0.00	55.73	1416.47	708.23	1790.91	896.79	12.56	-0.819	0.000	0.072
155.00	-12.80	-2.18	0.00	-44.15	0.00	44.15	1383.33	691.66	1682.50	842.50	13.43	-0.841	0.000	0.062
160.00	-11.98	-2.05	0.00	-33.25	0.00	33.25	1348.59	674.30	1575.42	788.88	14.33	-0.865	0.000	0.051
165.00	-11.20	-1.92	0.00	-23.01	0.00	23.01	1312.26	656.13	1469.88	736.03	15.24	-0.885	0.000	0.040
170.00	-10.44	-1.79	0.00	-13.42	0.00	13.42	1274.33	637.17	1366.13	684.08	16.18	-0.900	0.000	0.028
175.00	-9.71	-1.66	0.00	-4.48	0.00	4.48	1234.81	617.40	1264.39	633.13	17.13	-0.908	0.000	0.015
177.00	-0.38	-0.07	0.00	-0.22	0.00	0.22	1218.55	609.28	1224.31	613.06	17.51	-0.909	0.000	0.001
180.00	0.00	-0.07	0.00	0.00	0.00	0.00	1193.69	596.84	1164.89	583.31	18.08	-0.909	0.000	0.000

Wind Loading - Shaft

Structure:	CT02219-S-SBA	**Code:**	EIA/TIA-222-G	10/5/2021	
Site Name:	North Franklin	**Exposure:**	B		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 19	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 22

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	6.129	6.74	270.20	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	6.129	6.74	265.27	0.650	0.000	5.00	26.667	17.33	116.9	0.0	1478.7
10.00		1.00	0.70	6.129	6.74	260.34	0.650	0.000	5.00	26.176	17.01	114.7	0.0	1451.3
15.00		1.00	0.70	6.129	6.74	255.41	0.650	0.000	5.00	25.685	16.70	112.6	0.0	1423.9
20.00		1.00	0.70	6.129	6.74	250.48	0.650	0.000	5.00	25.194	16.38	110.4	0.0	1396.5
25.00		1.00	0.70	6.129	6.74	245.55	0.650	0.000	5.00	24.702	16.06	108.2	0.0	1369.0
30.00		1.00	0.70	6.134	6.75	240.71	0.650	0.000	5.00	24.211	15.74	106.2	0.0	1341.6
35.00		1.00	0.73	6.410	7.05	241.03	0.650	0.000	5.00	23.720	15.42	108.7	0.0	1314.2
38.00	Bot - Section 2	1.00	0.75	6.562	7.22	240.82	0.650	0.000	3.00	13.996	9.10	65.7	0.0	775.3
40.00		1.00	0.76	6.659	7.33	240.53	0.650	0.000	2.00	9.381	6.10	44.7	0.0	1031.1
45.00	Top - Section 1	1.00	0.79	6.887	7.58	239.38	0.650	0.000	5.00	23.108	15.02	113.8	0.0	2539.3
50.00		1.00	0.81	7.098	7.81	241.71	0.650	0.000	5.00	22.617	14.70	114.8	0.0	1252.5
55.00		1.00	0.83	7.294	8.02	239.64	0.650	0.000	5.00	22.125	14.38	115.4	0.0	1225.1
60.00		1.00	0.85	7.477	8.22	237.19	0.650	0.000	5.00	21.634	14.06	115.7	0.0	1197.7
65.00		1.00	0.87	7.650	8.42	234.41	0.650	0.000	5.00	21.143	13.74	115.6	0.0	1170.3
70.00		1.00	0.89	7.814	8.60	231.33	0.650	0.000	5.00	20.652	13.42	115.4	0.0	1142.8
75.00		1.00	0.91	7.969	8.77	228.00	0.650	0.000	5.00	20.160	13.10	114.9	0.0	1115.4
77.00	Bot - Section 3	1.00	0.92	8.030	8.83	226.60	0.650	0.000	2.00	7.927	5.15	45.5	0.0	438.5
80.00		1.00	0.93	8.118	8.93	224.44	0.650	0.000	3.00	11.933	7.76	69.3	0.0	1216.1
83.00	Top - Section 2	1.00	0.94	8.204	9.02	222.20	0.650	0.000	3.00	11.756	7.64	69.0	0.0	1197.7
85.00		1.00	0.94	8.260	9.09	224.36	0.650	0.000	2.00	7.739	5.03	45.7	0.0	367.4
90.00		1.00	0.96	8.396	9.24	220.43	0.650	0.000	5.00	19.004	12.35	114.1	0.0	902.0
95.00		1.00	0.97	8.526	9.38	216.32	0.650	0.000	5.00	18.513	12.03	112.9	0.0	878.5
100.00		1.00	0.99	8.652	9.52	212.05	0.650	0.000	5.00	18.022	11.71	111.5	0.0	854.9
105.00		1.00	1.00	8.774	9.65	207.63	0.650	0.000	5.00	17.530	11.39	110.0	0.0	831.4
110.00		1.00	1.02	8.891	9.78	203.08	0.650	0.000	5.00	17.039	11.08	108.3	0.0	807.9
112.00	Bot - Section 4	1.00	1.02	8.937	9.83	201.22	0.650	0.000	2.00	6.678	4.34	42.7	0.0	316.6
115.00		1.00	1.03	9.005	9.91	198.39	0.650	0.000	3.00	10.013	6.51	64.5	0.0	824.7
117.00	Top - Section 3	1.00	1.03	9.049	9.95	196.49	0.650	0.000	2.00	6.577	4.27	42.6	0.0	541.6
120.00		1.00	1.04	9.115	10.03	196.50	0.650	0.000	3.00	9.718	6.32	63.3	0.0	346.3
125.00		1.00	1.05	9.222	10.14	191.60	0.650	0.000	5.00	15.803	10.27	104.2	0.0	563.1
130.00		1.00	1.07	9.326	10.26	186.60	0.650	0.000	5.00	15.312	9.95	102.1	0.0	545.5
135.00		1.00	1.08	9.427	10.37	181.49	0.650	0.000	5.00	14.821	9.63	99.9	0.0	527.8
140.00		1.00	1.09	9.525	10.48	176.29	0.650	0.000	5.00	14.330	9.31	97.6	0.0	510.2
145.00		1.00	1.10	9.621	10.58	170.99	0.650	0.000	5.00	13.839	9.00	95.2	0.0	492.6
147.50	Appurtenance(s)	1.00	1.10	9.668	10.64	168.31	0.650	0.000	2.50	6.735	4.38	46.6	0.0	239.7
150.00	Top - Section 4	1.00	1.11	9.715	10.69	165.61	0.650	0.000	2.50	6.612	4.30	45.9	0.0	235.3
155.00		1.00	1.12	9.806	10.79	160.15	0.650	0.000	5.00	12.856	8.36	90.1	0.0	356.4
160.00		1.00	1.13	9.896	10.89	154.61	0.650	0.000	5.00	12.365	8.04	87.5	0.0	342.7
165.00		1.00	1.14	9.983	10.98	149.00	0.650	0.000	5.00	11.874	7.72	84.8	0.0	329.0
170.00		1.00	1.15	10.069	11.08	143.31	0.650	0.000	5.00	11.382	7.40	81.9	0.0	315.3
175.00		1.00	1.16	10.152	11.17	137.56	0.650	0.000	5.00	10.891	7.08	79.1	0.0	301.6
177.00	Appurtenance(s)	1.00	1.16	10.185	11.20	135.24	0.650	0.000	2.00	4.219	2.74	30.7	0.0	116.8
180.00		1.00	1.17	10.234	11.26	131.74	0.650	0.000	3.00	6.181	4.02	45.2	0.0	171.1
								Totals:	**180.00**			**3,783.5**		**35,795.2**

Discrete Appurtenance Forces

Structure:	CT02219-S-SBA	**Code:**	EIA/TIA-222-G	10/5/2021	
Site Name:	North Franklin	**Exposure:**	B		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 20	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 22

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	177.00	Low Profile Platform	1	10.185	11.204	1.00	1.00	22.00	1500.00	0.000	0.000	246.48	0.00	0.00
2	177.00	NHH-65B-R2B	6	10.202	11.222	0.62	0.75	30.18	262.20	0.000	1.000	338.66	0.00	338.66
3	177.00	LPA-80063/8CF	6	10.202	11.222	0.70	0.75	57.21	228.00	0.000	1.000	641.99	0.00	641.99
4	177.00	MT6407-77A	3	10.202	11.222	0.52	0.75	7.39	238.20	0.000	1.000	82.89	0.00	82.89
5	177.00	Samsung RF4439d-25A	3	10.202	11.222	0.50	0.75	2.83	253.20	0.000	1.000	31.80	0.00	31.80
6	177.00	Samsung RF4440-13A	3	10.202	11.222	0.50	0.75	2.83	210.90	0.000	1.000	31.80	0.00	31.80
7	177.00	RFS DB-C1-12C-24AB-0Z	1	10.202	11.222	0.75	0.75	3.05	32.00	0.000	1.000	34.17	0.00	34.17
8	177.00	Handrails	1	10.185	11.204	1.00	1.00	9.75	406.61	0.000	0.000	109.24	0.00	0.00
9	177.00	BSAMNT-SBS-1-2	1	10.185	11.204	1.00	1.00	0.00	25.35	0.000	0.000	0.00	0.00	0.00
10	147.50	Low Profile Platform	1	9.668	10.635	1.00	1.00	22.00	1500.00	0.000	0.000	233.97	0.00	0.00
							Totals:		**4,656.46**			**1,751.02**		

Total Applied Force Summary

Structure:	CT02219-S-SBA		**Code:**	EIA/TIA-222-G	10/5/2021
Site Name:	North Franklin		**Exposure:**	B	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 21

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 22

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		116.86	1536.24	0.00	0.00
10.00		114.70	1508.81	0.00	0.00
15.00		112.55	1481.38	0.00	0.00
20.00		110.40	1453.95	0.00	0.00
25.00		108.25	1426.52	0.00	0.00
30.00		106.18	1399.09	0.00	0.00
35.00		108.71	1371.66	0.00	0.00
38.00		65.67	809.83	0.00	0.00
40.00		44.66	1054.07	0.00	0.00
45.00		113.79	2596.77	0.00	0.00
50.00		114.78	1310.04	0.00	0.00
55.00		115.38	1282.61	0.00	0.00
60.00		115.66	1255.18	0.00	0.00
65.00		115.65	1227.75	0.00	0.00
70.00		115.38	1200.32	0.00	0.00
75.00		114.88	1172.89	0.00	0.00
77.00		45.51	461.48	0.00	0.00
80.00		69.26	1250.56	0.00	0.00
83.00		68.96	1232.22	0.00	0.00
85.00		45.70	390.37	0.00	0.00
90.00		114.08	959.47	0.00	0.00
95.00		112.86	935.96	0.00	0.00
100.00		111.49	912.45	0.00	0.00
105.00		109.97	888.94	0.00	0.00
110.00		108.32	865.43	0.00	0.00
112.00		42.67	339.59	0.00	0.00
115.00		64.46	859.24	0.00	0.00
117.00		42.55	564.60	0.00	0.00
120.00		63.33	380.83	0.00	0.00
125.00		104.20	620.61	0.00	0.00
130.00		102.10	602.98	0.00	0.00
135.00		99.90	585.34	0.00	0.00
140.00		97.59	567.70	0.00	0.00
145.00		95.20	550.07	0.00	0.00
147.50	(1) attachments	280.53	1768.42	0.00	0.00
150.00		45.93	264.01	0.00	0.00
155.00		90.14	413.93	0.00	0.00
160.00		87.49	400.21	0.00	0.00
165.00		84.75	386.49	0.00	0.00
170.00		81.94	372.78	0.00	0.00
175.00		79.06	359.06	0.00	0.00
177.00	(25) attachments	1547.77	3296.24	0.00	1161.33
180.00		45.23	171.06	0.00	0.00
	Totals:	**5,534.49**	**42,487.19**	**0.00**	**1,161.33**

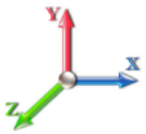
Calculated Forces

Structure:	CT02219-S-SBA	**Code:**	EIA/TIA-222-G	10/5/2021	
Site Name:	North Franklin	**Exposure:**	B		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 22	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 22

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-42.49	-5.54	0.00	-650.67	0.00	650.67	5755.79	2877.89	14954.5	7488.40	0.00	0.000	0.000	0.094
5.00	-40.95	-5.44	0.00	-622.96	0.00	622.96	5692.65	2846.33	14516.8	7269.20	0.01	-0.020	0.000	0.093
10.00	-39.44	-5.34	0.00	-595.77	0.00	595.77	5627.92	2813.96	14081.1	7051.05	0.04	-0.041	0.000	0.092
15.00	-37.95	-5.24	0.00	-569.08	0.00	569.08	5561.60	2780.80	13647.8	6834.05	0.10	-0.062	0.000	0.090
20.00	-36.50	-5.14	0.00	-542.90	0.00	542.90	5493.67	2746.84	13216.9	6618.32	0.17	-0.083	0.000	0.089
25.00	-35.07	-5.04	0.00	-517.20	0.00	517.20	5424.15	2712.07	12788.9	6403.97	0.27	-0.105	0.000	0.087
30.00	-33.67	-4.95	0.00	-491.99	0.00	491.99	5353.03	2676.51	12363.8	6191.13	0.40	-0.126	0.000	0.086
35.00	-32.30	-4.84	0.00	-467.27	0.00	467.27	5280.31	2640.16	11942.0	5979.90	0.54	-0.148	0.000	0.084
38.00	-31.49	-4.78	0.00	-452.74	0.00	452.74	5235.92	2617.96	11690.6	5853.99	0.64	-0.162	0.000	0.083
40.00	-30.43	-4.74	0.00	-443.18	0.00	443.18	5206.00	2603.00	11523.6	5770.41	0.71	-0.171	0.000	0.083
45.00	-27.83	-4.63	0.00	-419.47	0.00	419.47	5187.44	2593.72	11421.1	5719.07	0.90	-0.193	0.000	0.079
50.00	-26.52	-4.52	0.00	-396.31	0.00	396.31	5111.14	2555.57	11007.4	5511.90	1.11	-0.216	0.000	0.077
55.00	-25.24	-4.41	0.00	-373.70	0.00	373.70	5033.24	2516.62	10597.6	5306.71	1.35	-0.237	0.000	0.075
60.00	-23.98	-4.30	0.00	-351.65	0.00	351.65	4953.74	2476.87	10192.1	5103.63	1.61	-0.259	0.000	0.074
65.00	-22.75	-4.19	0.00	-330.15	0.00	330.15	4872.64	2436.32	9790.99	4902.77	1.89	-0.281	0.000	0.072
70.00	-21.55	-4.07	0.00	-309.22	0.00	309.22	4789.95	2394.98	9394.53	4704.25	2.20	-0.303	0.000	0.070
75.00	-20.38	-3.96	0.00	-288.86	0.00	288.86	4705.66	2352.83	9002.97	4508.18	2.53	-0.325	0.000	0.068
77.00	-19.92	-3.91	0.00	-280.94	0.00	280.94	4671.50	2335.75	8847.77	4430.46	2.67	-0.335	0.000	0.068
80.00	-18.66	-3.84	0.00	-269.20	0.00	269.20	4619.77	2309.89	8616.54	4314.67	2.88	-0.348	0.000	0.066
83.00	-17.43	-3.77	0.00	-257.68	0.00	257.68	3791.35	1895.67	7099.23	3554.89	3.11	-0.362	0.000	0.077
85.00	-17.04	-3.72	0.00	-250.14	0.00	250.14	3765.13	1882.57	6977.74	3494.06	3.26	-0.371	0.000	0.076
90.00	-16.08	-3.61	0.00	-231.52	0.00	231.52	3698.49	1849.25	6676.41	3343.17	3.66	-0.396	0.000	0.074
95.00	-15.14	-3.50	0.00	-213.47	0.00	213.47	3630.25	1815.12	6378.69	3194.08	4.09	-0.421	0.000	0.071
100.00	-14.23	-3.39	0.00	-195.98	0.00	195.98	3560.41	1780.20	6084.79	3046.92	4.54	-0.445	0.000	0.068
105.00	-13.34	-3.27	0.00	-179.05	0.00	179.05	3488.97	1744.49	5794.96	2901.79	5.02	-0.470	0.000	0.066
110.00	-12.48	-3.16	0.00	-162.67	0.00	162.67	3415.94	1707.97	5509.43	2758.81	5.53	-0.494	0.000	0.063
112.00	-12.14	-3.12	0.00	-156.35	0.00	156.35	3386.28	1693.14	5396.47	2702.25	5.74	-0.504	0.000	0.061
115.00	-11.28	-3.05	0.00	-146.99	0.00	146.99	3341.31	1670.66	5228.42	2618.09	6.06	-0.519	0.000	0.060
117.00	-10.71	-3.00	0.00	-140.89	0.00	140.89	2298.09	1149.05	3623.03	1814.21	6.28	-0.529	0.000	0.082
120.00	-10.33	-2.94	0.00	-131.87	0.00	131.87	2271.88	1135.94	3516.17	1760.70	6.62	-0.543	0.000	0.079
125.00	-9.71	-2.84	0.00	-117.17	0.00	117.17	2226.92	1113.46	3339.52	1672.24	7.20	-0.573	0.000	0.074
130.00	-9.11	-2.73	0.00	-102.98	0.00	102.98	2180.36	1090.18	3164.87	1584.79	7.82	-0.601	0.000	0.069
135.00	-8.52	-2.63	0.00	-89.32	0.00	89.32	2132.21	1066.11	2992.46	1498.45	8.46	-0.629	0.000	0.064
140.00	-7.95	-2.53	0.00	-76.17	0.00	76.17	2082.46	1041.23	2822.51	1413.35	9.13	-0.655	0.000	0.058
145.00	-7.40	-2.43	0.00	-63.52	0.00	63.52	2031.11	1015.56	2655.26	1329.61	9.83	-0.679	0.000	0.051
147.50	-5.64	-2.13	0.00	-57.44	0.00	57.44	2004.84	1002.42	2572.72	1288.27	10.19	-0.691	0.000	0.047
150.00	-5.37	-2.08	0.00	-52.11	0.00	52.11	1978.17	989.08	2490.94	1247.32	10.56	-0.702	0.000	0.045
150.00	-5.37	-2.08	0.00	-52.11	0.00	52.11	1416.47	708.23	1790.91	896.79	10.56	-0.702	0.000	0.062
155.00	-4.96	-1.99	0.00	-41.70	0.00	41.70	1383.33	691.66	1682.50	842.50	11.30	-0.723	0.000	0.053
160.00	-4.56	-1.90	0.00	-31.75	0.00	31.75	1348.59	674.30	1575.42	788.88	12.07	-0.746	0.000	0.044
165.00	-4.18	-1.81	0.00	-22.26	0.00	22.26	1312.26	656.13	1469.88	736.03	12.86	-0.765	0.000	0.033
170.00	-3.80	-1.72	0.00	-13.20	0.00	13.20	1274.33	637.17	1366.13	684.08	13.67	-0.779	0.000	0.022
175.00	-3.45	-1.64	0.00	-4.58	0.00	4.58	1234.81	617.40	1264.39	633.13	14.49	-0.787	0.000	0.010
177.00	-0.17	-0.05	0.00	-0.14	0.00	0.14	1218.55	609.28	1224.31	613.06	14.82	-0.788	0.000	0.000
180.00	0.00	-0.05	0.00	0.00	0.00	0.00	1193.69	596.84	1164.89	583.31	15.32	-0.788	0.000	0.000

Final Analysis Summary

Structure:	CT02219-S-SBA	**Code:**	EIA/TIA-222-G	10/5/2021	
Site Name:	North Franklin	**Exposure:**	B		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 23	

Tower Engineering Solutions

Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.6W 101 mph Wind	25.1	0.00	50.96	0.00	0.00	2963.76
0.9D + 1.6W 101 mph Wind	25.1	0.00	38.22	0.00	0.00	2942.19
1.2D + 1.0Di + 1.0Wi 50 mph Wind	6.9	0.00	73.52	0.00	0.00	792.87
1.0D + 1.0W 60 mph Wind	5.5	0.00	42.49	0.00	0.00	650.67

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.6W 101 mph Wind	-50.96	-25.13	0.00	-2963.7	0.00	-2963.7	5755.79	2877.8	14954.5	7488.40	0.00	0.405
0.9D + 1.6W 101 mph Wind	-38.22	-25.12	0.00	-2942.1	0.00	-2942.1	5755.79	2877.8	14954.5	7488.40	0.00	0.400
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-73.52	-6.93	0.00	-792.87	0.00	-792.87	5755.79	2877.8	14954.5	7488.40	0.00	0.119
1.0D + 1.0W 60 mph Wind	-42.49	-5.54	0.00	-650.67	0.00	-650.67	5755.79	2877.8	14954.5	7488.40	0.00	0.094

Base Plate Summary

Structure:	CT02219-S-SB		**Code:**	EIA/TIA-222-G	10/5/2021
Site Name:	North Franklin		**Exposure:**	B	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 24

Tower Engineering Solutions

Reactions	
Original Design	
Moment (kip-ft):	5900.00
Axial (kip):	46.00
Shear (kip):	45.00
Analysis (1.2D + 1.6W)	
Moment (kip-ft):	2963.76
Axial (kip):	50.96
Shear (kip):	25.13

Base Plate	
Yield (ksi):	55.00
Width (in):	71.00
Style:	Clipped
Polygon Sides:	0.00
Clip Length (in):	14.00
Effective Len (in):	8.13
Moment (kip-in):	319.80
Allow Stress (ksi):	74.25
Applied Stress (ksi):	25.99
Stress Ratio:	0.35

Anchor Bolts	
Bolt Circle:	71.00
Number Bolts:	24.00
Bolt Type:	2.25" 18J
Bolt Diameter (in):	2.25
Yield (ksi):	75.00
Ultimate (ksi):	100.00
Arrangement:	Clustered
Cluster Dist (in):	5.00
Start Angle (deg):	45.00
Compression	
Force (kip):	86.55
Allowable (kip):	260.00
Ratio:	0.34
Tension	
Force (kip):	80.42
Allowable (kip):	260.00
Ratio:	0.32

Monopole Mat Foundation Design

			Date: 10/5/2021
Customer Name:	Verizon	EIA/TIA Standard:	EIA-222-G
Site Name:		Structure Height (Ft.):	180
Site Number:	CT02219-S-SBA	Engineer Name:	T. Alajaj
Engr. Number:	116993	Engineer Login ID:	

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

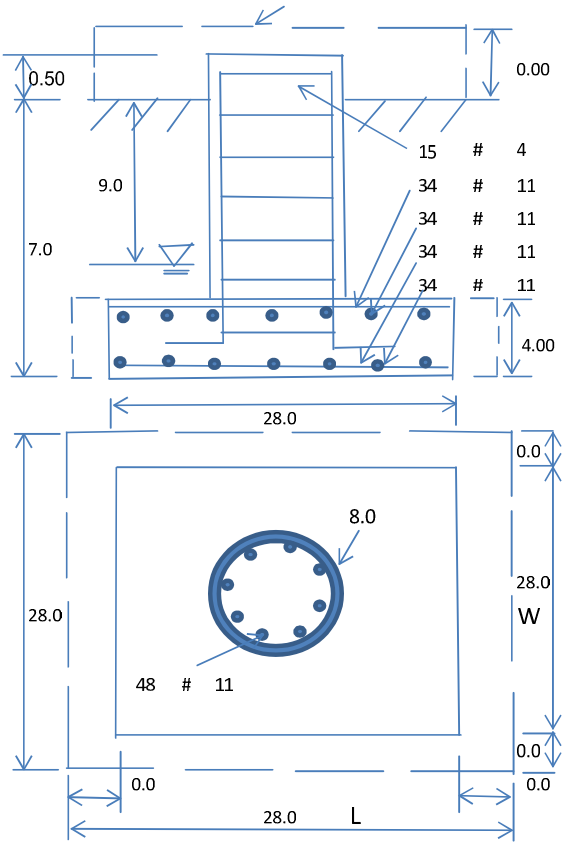
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	51.0	Shear Force (Kips):	25.1
Uplift Force (Kips):	0.0	Moment (Kips-ft):	2963.8
Allowable overstress %:	5.0%		

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	8.0	Depth of Base BG (ft.):	7.0
Pier Height A. G. (ft.):	0.50	Thickness of Pad (ft):	4.00
Length of Pad (ft.):	28	Width of Pad (ft.):	28
Final Length of pad (ft)	28.0	Final width of pad (ft):	28.0



Material Properties and Reabr Info:

Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	
Vertical Rebar Size #:	11	Tie / Stirrup Size #:	4	
Qty. of Vertical Rebars:	48	Tie Spacing (in):	6.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	11	
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	34	Qty. of Rebar in Pad (W):	34	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	34	Qty. of Rebar in Pad (W):	34	
Apply 1.35 factor for e/w Per G:	1.35			

Soil Design Parameters:

Soil Unit Weight (pcf):	125.0	Soil Buoyant Weight:	50.0	Pcf		
Water Table B.G.S. (ft):	9.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	10000	Ultimate Skin Friction:	175	Psf	Angle from Bottm of Pad:	25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	No		Angle from Bottm of Pad:	25
Consider soil hor. resist. for OTM.:	No	Reduction factor on the maximum soil bearing pressure:			1.00	

Foundation Analysis and Design: Uplift Strength Reduction Factor: 0.75 — Compression Strength Reduction Factor: 0.75

Total Dry Soil Volume (cu. Ft.):	2201.20	Total Dry Soil Weight (Kips):	275.15
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	275.15	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	3311.93	Total Dry Concrete Weight (Kips):	496.79
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	496.79	Total Vertical Load on Base (Kips):	822.94

Check Soil Capacities:

					Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	1732	<	Allowable Factored Soil Bearing (psf):	7500	0.23	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	10440.4	>	Design Factored Momont (kips-ft):	3152	0.30	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	3.31	OK!				

Check the capacities of Reinforceing Concrete:

Strength reduction factor (Flexure and axial tension):
Strength reduction factor (Axial compresion):
Strength reduction factor (Shear):
Wind Load Factor on Concrete Design:

ad Capacity Ratio

(1) Concrete Pier:

Vertical Steel Rebar Area (sq. in./each):			Tie / Stirrup Area (sq. in./each):	
Calculated Moment Capacity (Mn,Kips-Ft):		>	Design Factored Moment (Mu, Kips-	
Calculated Shear Capacity (Kips):		>	Design Factored Shear (Kips):	
Calculated Tension Capacity (Tn, Kips):		>	Design Factored Tension (Tu Kips):	
Calculated Compression Capacity (Pn, Kips):		>	Design Factored Axial Load (Pu Kips):	
Moment & Axial Strength Combination:		OK!	Check Tie Spacing (Design/Required):	
Pier Reinforcement Ratio:			Reinforcement Ratio is satisfied per ACI	

(2).Concrete Pad:

One-Way Design Shear Capacity (L-Direction, Kips):			One-Way Factored Shear (L-D. Kips): 197.2	
One-Way Design Shear Capacity (W-Direction, Kips):			One-Way Factored Shear (W-D., Kips	
One-Way Design Shear Capacity (Corner-Corner. Kips):			One-Way Factored Shear (C-C, Kips): 176.0	
Lower Steel Pad Reinforcement Ratio (L-Direct.):			Lower Steel Pad Reinf. Ratio (W-Direc	
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):			Moment at Bottom (L-Dir. K-Ft):	
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):			Moment at Bottom (W-Dir. K-Ft):	
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):			Moment at Bottom (C-C Dir. K-Ft): 1890.8	
Upper Steel Pad Reinforcement Ratio (L-Direct.):			Upper Steel Reinf. Ratio (W-Dir.):	
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):			Moment at the top (L-Dir K-Ft):	
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):			Moment at the top (W-Dir K-Ft):	
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):			Moment at the top (C-C Dir. K-Ft):	

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

Moment transferred by punching shear:	1185.5	k-ft.	Max. factored shear stress v_{u_CD}	Psi
Max. factored shear stress v_{u_AB}		Psi	Fa tor sh ar Str n th n	Psi
Max. factored shear stress v_u		Psi	Check Usage of Punching Shear Capacity:	OK!

Maser Consulting Connecticut
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Mt. Laurel, NJ 08054
(856) 797-0412
Greg.dulnik@colliersengineering.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10093892
Maser Consulting Connecticut Project #: 20777641A

August 13, 2021

Site Information	*Site ID:*	*468039-VZW / Franklin N CT*
	Site Name:	*Franklin N CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*36 Ayer Rd* *Franklin, Connecticut 06254* *New London County*
	Latitude:	*41.645803°*
	Longitude:	*-72.128294°*
Structure Information	*Tower Type:*	*180-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

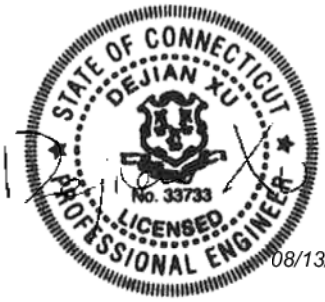
FUZE ID # 16272167

Analysis Results

Platform: **64.0% 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: Andy Hanes



08/13/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 674907, dated July 28, 2021*
Mount Mapping Report	*Hudson Design Group LLC, Site ID: 468039, dated February 10, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 20777461A, dated August 4, 2021*
Modification Drawings	*Maser Consulting Connecticut, Project #: 20777461A, dated August 13, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	122 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:	0.981
Seismic Parameters:	S_S:	0.192
	S_1:	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
177.00	178.00	6	Commscope	NHH-65B-R2B	Added
		3	Samsung	MT6407-77A	
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		6	Antel	LPA-80063/8CF	Retained

The recent mount mapping did not report existing OVP units. However, it is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required.

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to 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 and field observations. 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
Connection Check	64.0 %	Pass
Standoff Horizontal	38.5 %	Pass
Platform Crossmember	19.5 %	Pass
Corner Plate	36.7 %	Pass
Grating Support	28.3 %	Pass
Cross Arm Plate	49.8 %	Pass
Face Horizontal	19.0 %	Pass
Mount Pipe	55.9 %	Pass
Dual Antenna Mount Pipe	45.4 %	Pass
Support Rail	23.5 %	Pass
Support Rail Corner	38.5 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**64.0%**

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:

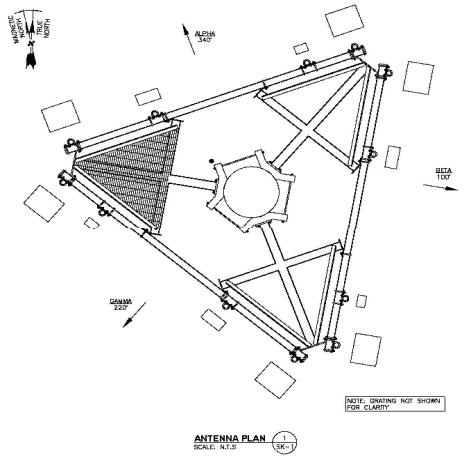
1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required PMI Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter

V3.0 Updated on 8-31-2020

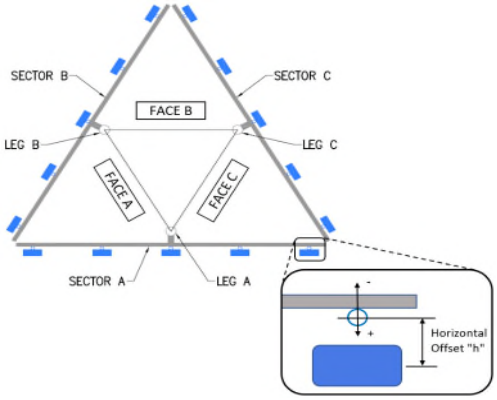
Antenna Mount Mapping Form (PATENT PENDING)

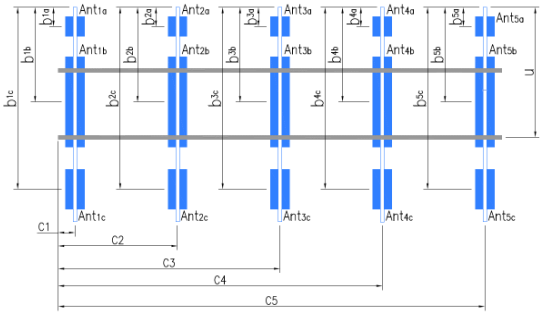
FCC #
1236104

Tower Owner:	SBA	**Mapping Date:**	2/10/2021
Site Name:	Franklin North CT	**Tower Type:**	Monopole
Site Number or ID:	468039	**Tower Height (Ft.):**	179.5
Mapping Contractor:	Hudson Design Group LLC	**Mount Elevation (Ft.):**	176.6



ANTENNA PLAN
SCALE: N.T.S.





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2"Ø STD. X 96" LONG	48.00	4.00	C1	PIPE 2"Ø STD. X 96" LONG	48.00	4.00
A2	PIPE 2"Ø STD. X 96" LONG	48.00	46.00	C2	PIPE 2"Ø STD. X 96" LONG	48.00	46.00
A3	PIPE 2"Ø STD. X 96" LONG	48.00	122.00	C3	PIPE 2"Ø STD. X 96" LONG	48.00	122.00
A4	PIPE 2"Ø STD. X 96" LONG	48.00	146.00	C4	PIPE 2"Ø STD. X 96" LONG	48.00	146.00
A5				C5			
A6				C6			
B1	PIPE 2"Ø STD. X 96" LONG	48.00	4.00	D1			
B2	PIPE 2"Ø STD. X 96" LONG	48.00	46.00	D2			
B3	PIPE 2"Ø STD. X 96" LONG	48.00	122.00	D3			
B4	PIPE 2"Ø STD. X 96" LONG	48.00	146.00	D4			
B5				D5			
B6				D6			

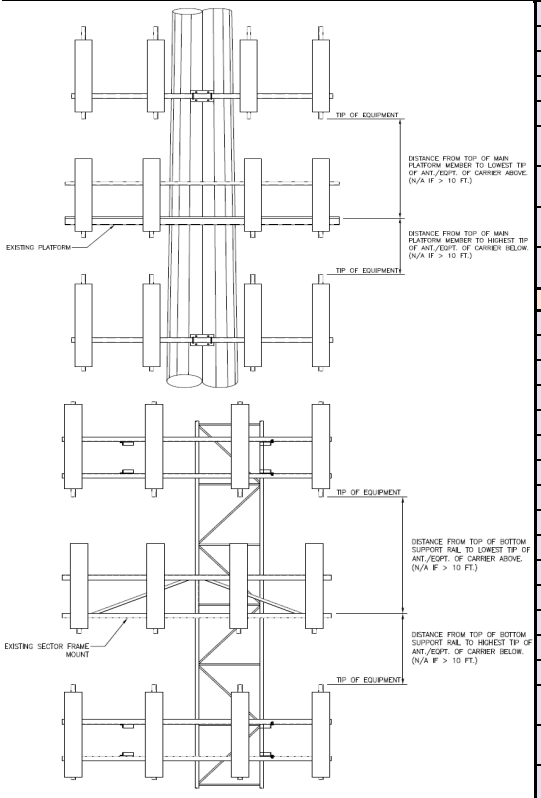
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier 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.):	24

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	LPA-80063-8CF	15.00	12.00	95.00		177.267	40.00	14.00	340.00	52
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-70063-6CF	11.00	5.50	71.00		177.6	36.00	9.50	340.00	53
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-185090-8CF	6.00	4.00	48.00		178.017	31.00	7.50	340.00	54
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80063-8CF	15.00	12.00	95.00		177.267	40.00	14.00	340.00	55
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector		
Sector A:	340.00	Deg	Leg A:		Deg
Sector B:	100.00	Deg	Leg B:		Deg
Sector C:	220.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	305.00 Deg	N/A
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was obstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	LPA-80063-8CF	15.00	12.00	95.00		177.267	40.00	14.00	100.00	52
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-70063-6CF	11.00	5.50	71.00		177.6	36.00	9.50	100.00	53
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-185090-8CF	6.00	4.00	48.00		178.017	31.00	7.50	100.00	54
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80063-8CF	15.00	12.00	95.00		177.267	40.00	14.00	100.00	55
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	LPA-80063-8CF	15.00	12.00	95.00		177.267	40.00	14.00	220.00	52
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-70063-6CF	11.00	5.50	71.00		177.6	36.00	9.50	220.00	53
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-185090-8CF	6.00	4.00	48.00		178.017	31.00	7.50	220.00	54
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80063-8CF	15.00	12.00	95.00		177.267	40.00	14.00	220.00	55
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1		
2	(12) 1-5/8"Ø COAX	9,10
3	SAFETY CLIMB OBSTRUCTED AT VERIZON PLATFORM (176')	14
4		
5		
6		
7		
8		

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

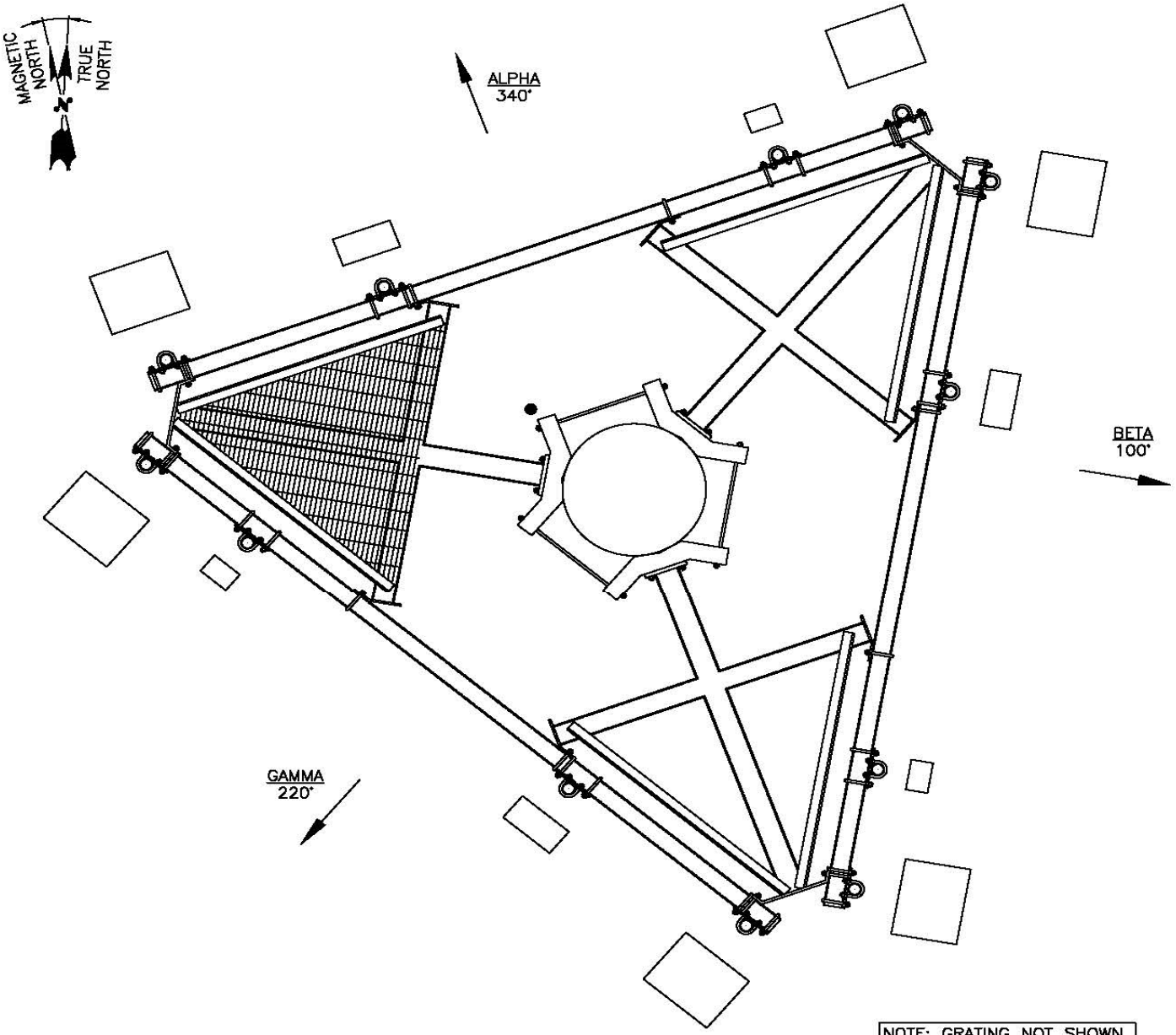
Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

Antenna Mount Mapping Form (PATENT PENDING)

FCC #
1236104

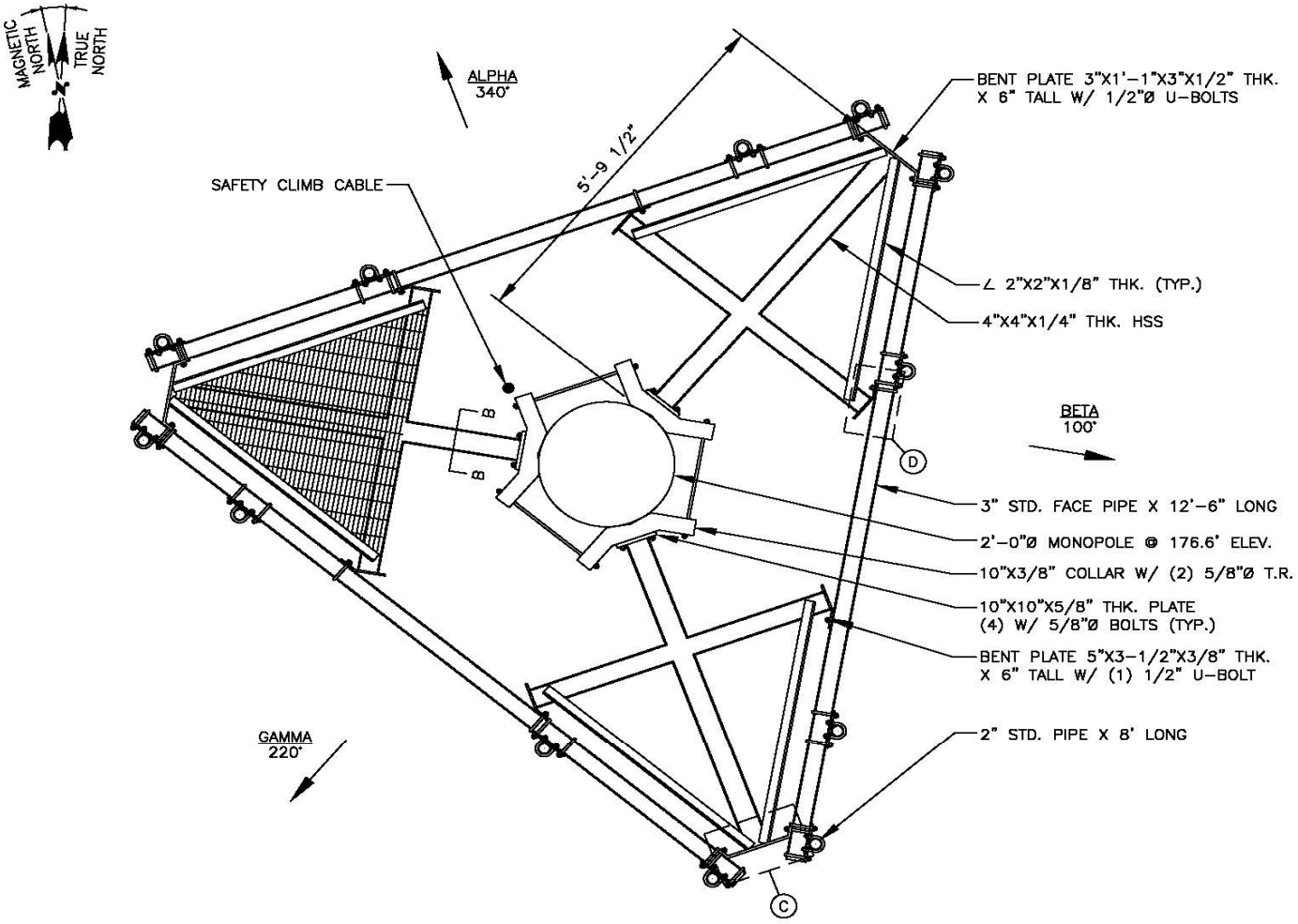
Tower Owner:	SBA	**Mapping Date:**	2/10/2021
Site Name:	Franklin North CT	**Tower Type:**	Monopole
Site Number or ID:	468039	**Tower Height (Ft.):**	179.5
Mapping Contractor:	Hudson Design Group LLC	**Mount Elevation (Ft.):**	176.6

Please Insert Sketches of the Antenna Mount



ANTENNA PLAN (1 / SK−1)
SCALE: N.T.S

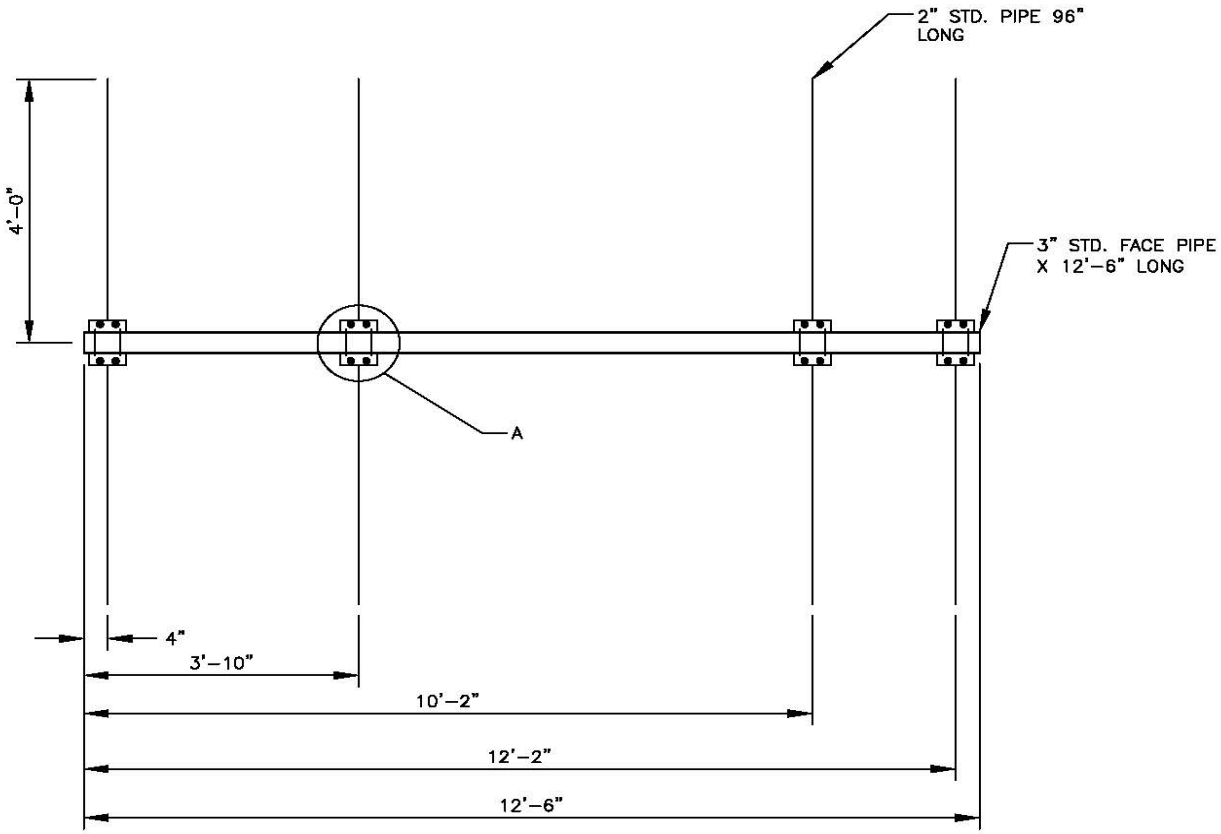
Please Insert Sketches of the Antenna Mount, cont'd



NOTE: GRATING AND ANTENNAS NOT SHOWN FOR CLARITY

MOUNT PLAN (1 / SK-2)
SCALE: N.T.S

Please Insert Sketches of the Antenna Mount, cont'd



MOUNT ELEVATION (1 / SK-3)
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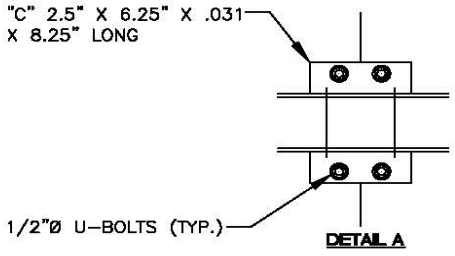
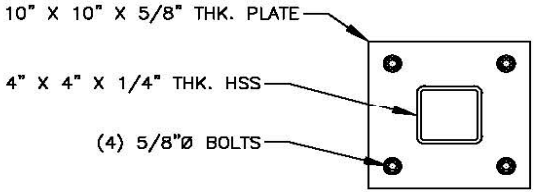
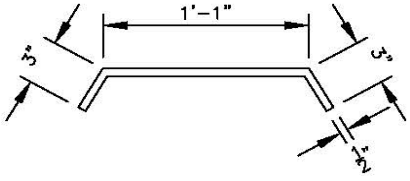


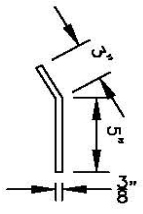
DETAIL A



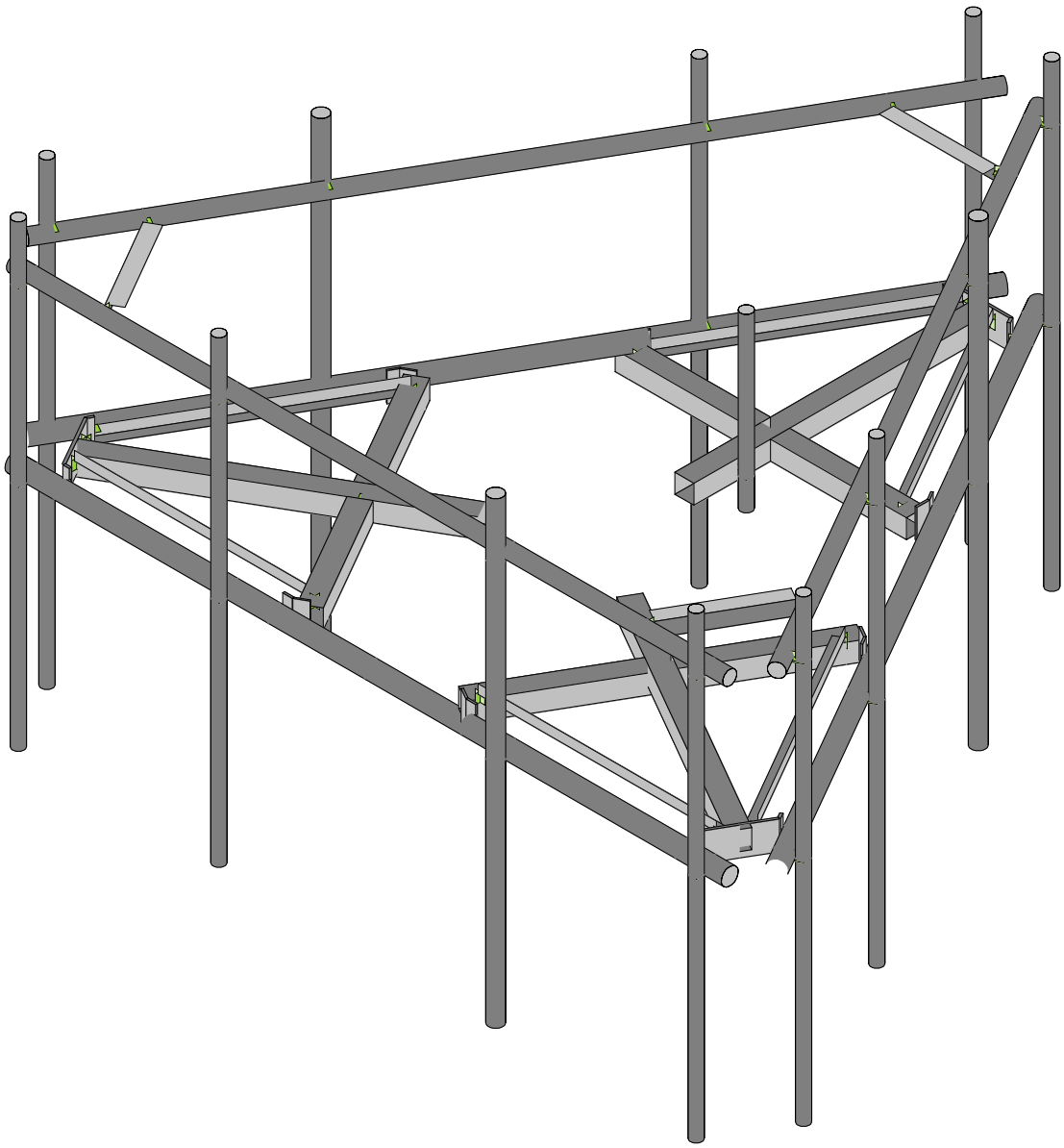
DETAIL B-B



DETAIL C



DETAIL D



Envelope Only Solution

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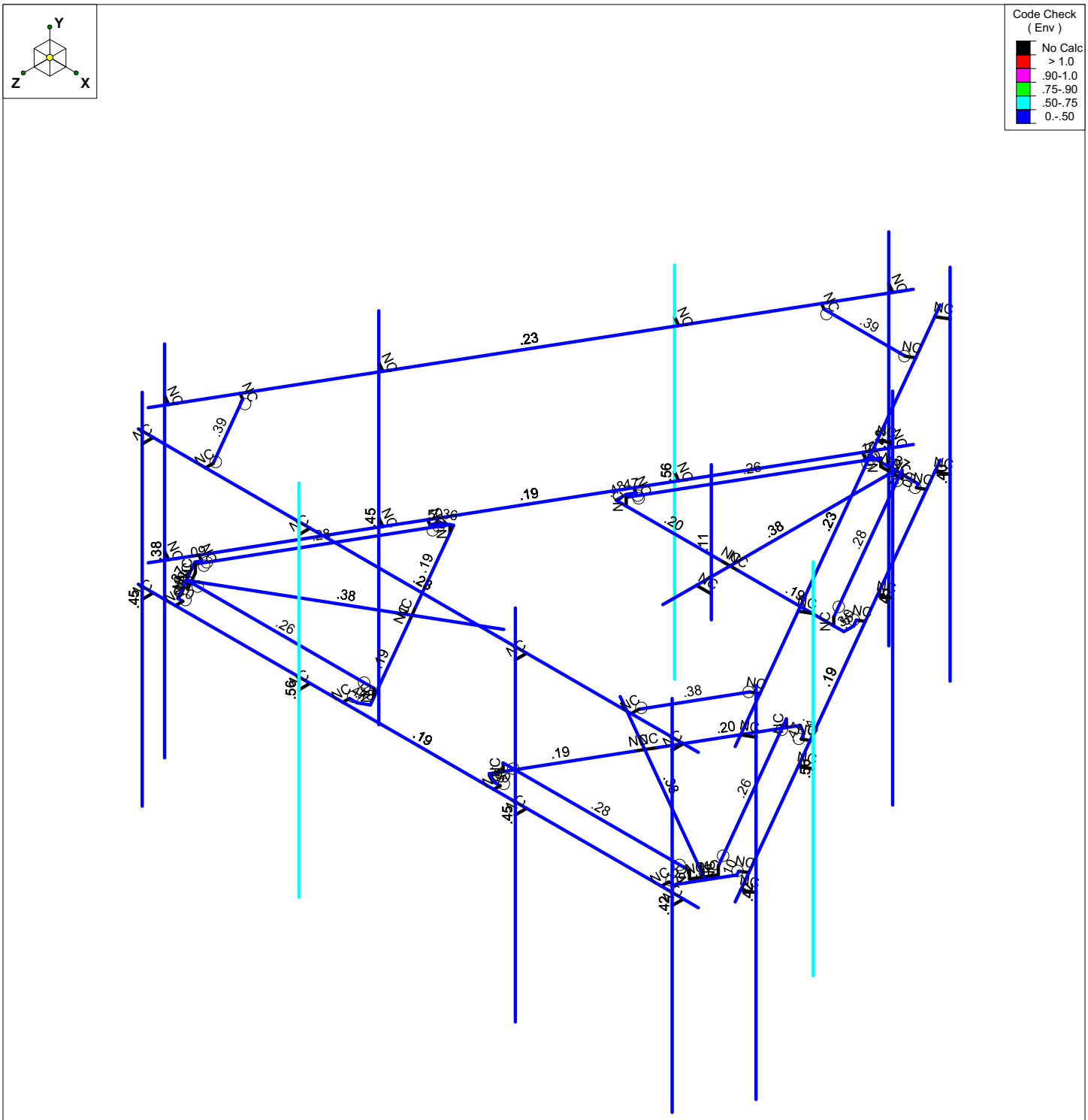

Member Code Checks Displayed (Enveloped)
Envelope Only Solution

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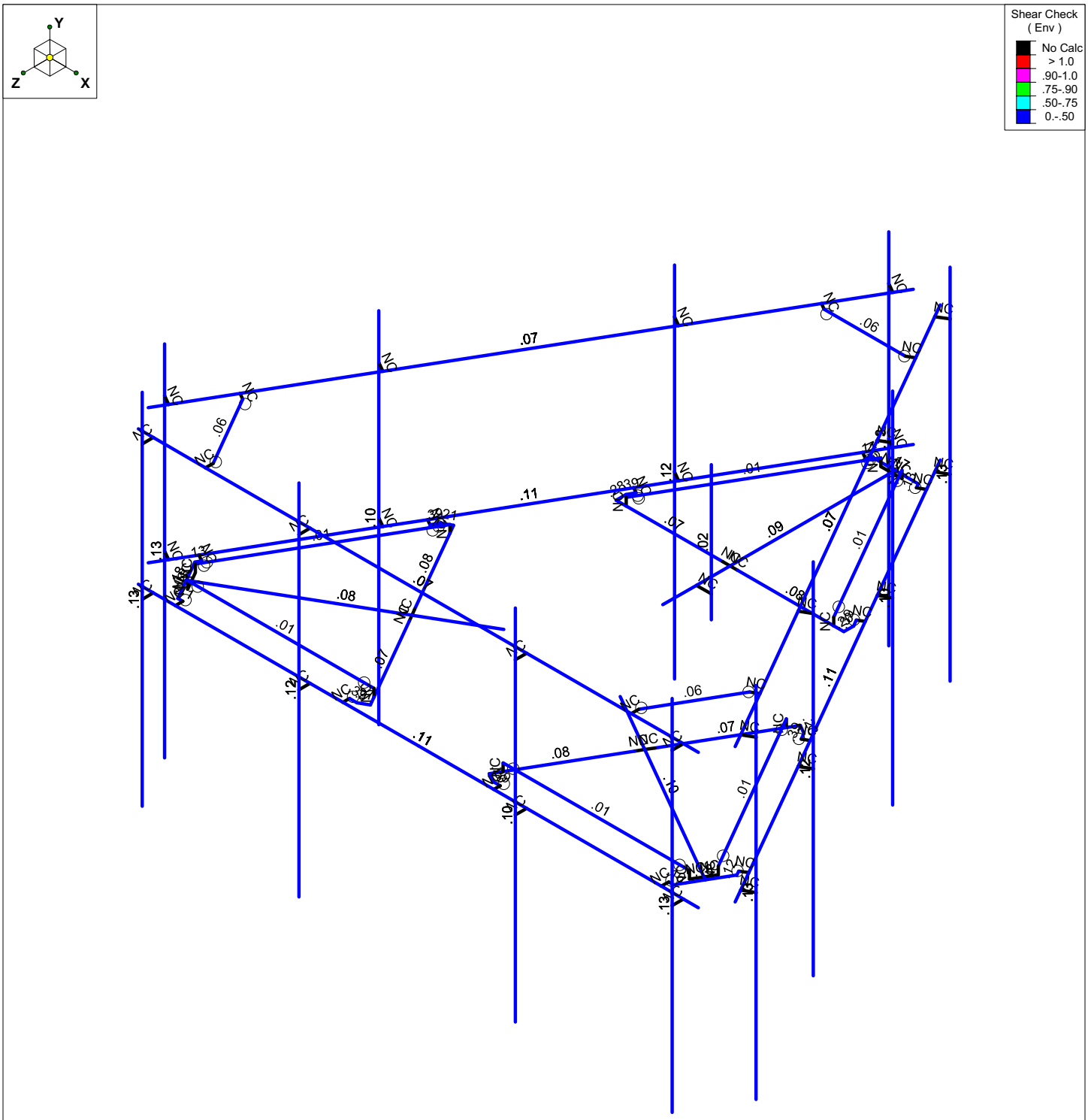

Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

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Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					111			
2	Antenna Di	None					111			
3	Antenna Wo (0 Deg)	None					111			
4	Antenna Wo (30 Deg)	None					111			
5	Antenna Wo (60 Deg)	None					111			
6	Antenna Wo (90 Deg)	None					111			
7	Antenna Wo (120 Deg)	None					111			
8	Antenna Wo (150 Deg)	None					111			
9	Antenna Wo (180 Deg)	None					111			
10	Antenna Wo (210 Deg)	None					111			
11	Antenna Wo (240 Deg)	None					111			
12	Antenna Wo (270 Deg)	None					111			
13	Antenna Wo (300 Deg)	None					111			
14	Antenna Wo (330 Deg)	None					111			
15	Antenna Wi (0 Deg)	None					111			
16	Antenna Wi (30 Deg)	None					111			
17	Antenna Wi (60 Deg)	None					111			
18	Antenna Wi (90 Deg)	None					111			
19	Antenna Wi (120 Deg)	None					111			
20	Antenna Wi (150 Deg)	None					111			
21	Antenna Wi (180 Deg)	None					111			
22	Antenna Wi (210 Deg)	None					111			
23	Antenna Wi (240 Deg)	None					111			
24	Antenna Wi (270 Deg)	None					111			
25	Antenna Wi (300 Deg)	None					111			
26	Antenna Wi (330 Deg)	None					111			
27	Antenna Wm (0 Deg)	None					111			
28	Antenna Wm (30 Deg)	None					111			
29	Antenna Wm (60 Deg)	None					111			
30	Antenna Wm (90 Deg)	None					111			
31	Antenna Wm (120 Deg)	None					111			
32	Antenna Wm (150 Deg)	None					111			
33	Antenna Wm (180 Deg)	None					111			
34	Antenna Wm (210 Deg)	None					111			
35	Antenna Wm (240 Deg)	None					111			
36	Antenna Wm (270 Deg)	None					111			
37	Antenna Wm (300 Deg)	None					111			
38	Antenna Wm (330 Deg)	None					111			
39	Structure D	None		-1					3	
40	Structure Di	None						58	3	
41	Structure Wo (0 Deg)	None						116		
42	Structure Wo (30 Deg)	None						116		
43	Structure Wo (60 Deg)	None						116		
44	Structure Wo (90 Deg)	None						116		
45	Structure Wo (120 D...	None						116		
46	Structure Wo (150 D...	None						116		
47	Structure Wo (180 D...	None						116		
48	Structure Wo (210 D...	None						116		
49	Structure Wo (240 D...	None						116		
50	Structure Wo (270 D...	None						116		
51	Structure Wo (300 D...	None						116		
52	Structure Wo (330 D...	None						116		
53	Structure Wi (0 Deg)	None						116		
54	Structure Wi (30 Deg)	None						116		
55	Structure Wi (60 Deg)	None						116		
56	Structure Wi (90 Deg)	None						116		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						116		
58	Structure Wi (150 De...	None						116		
59	Structure Wi (180 De...	None						116		
60	Structure Wi (210 De...	None						116		
61	Structure Wi (240 De...	None						116		
62	Structure Wi (270 De...	None						116		
63	Structure Wi (300 De...	None						116		
64	Structure Wi (330 De...	None						116		
65	Structure Wm (0 Deg)	None						116		
66	Structure Wm (30 De...	None						116		
67	Structure Wm (60 De...	None						116		
68	Structure Wm (90 De...	None						116		
69	Structure Wm (120 D...	None						116		
70	Structure Wm (150 D...	None						116		
71	Structure Wm (180 D...	None						116		
72	Structure Wm (210 D...	None						116		
73	Structure Wm (240 D...	None						116		
74	Structure Wm (270 D...	None						116		
75	Structure Wm (300 D...	None						116		
76	Structure Wm (330 D...	None						116		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						30		
82	BLC 40 Transient Are...	None						30		

Load Combinations

	Description	Sol...	P...	S...	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 D...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30 ...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 ...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 ...	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....	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										

Load Combinations (Continued)

	Description	Sol...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
27	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1...		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	-1.5	0	
2	N5	-2.541667	0	-3	0	
3	N6	2.315104	0.166667	-3	0	
4	N7	-2.315104	0.166667	-3	0	
5	N24	-0.	0	-3	0	
6	N27	-0.	0	-6.6875	0	
7	CP	0	0	0.	0	
8	N29	2.315104	0	-3	0	
9	N30	-2.315104	0	-3	0	
10	N101	2.541667	0	-3	0	
11	N102	-0.166667	0	-3	0	
12	N103A	0.166667	0	-3	0	
13	N104A	-2.541667	0	-3.21875	0	
14	N105	2.541667	0	-3.21875	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N131	2.458333	0	-3.363088	0	
16	N135	0.571615	0	-6.590523	0	
17	N144	-2.458333	0	-3.363088	0	
18	N148	-0.571615	0	-6.590523	0	
19	N86A	2.584629	0	-3.436004	0	
20	N86B	-2.584629	0	-3.436004	0	
21	N86C	-0.515625	0	-6.6875	0	
22	N87A	0.515625	0	-6.6875	0	
23	N86D	0.715429	0	-6.673554	0	
24	N86E	-0.715429	0	-6.673554	0	
25	N88A	-0.	0	-6.604167	0	
26	N87C	0.234238	0.166667	-6.604167	0	
27	N86G	0.234238	0	-6.604167	0	
28	N87B	-0.234238	0.166667	-6.604167	0	
29	N88C	-0.234238	0	-6.604167	0	
30	N30A	-1.299038	0	0.75	0	
31	N31	-1.327243	0	3.701148	0	
32	N32	-3.755628	0.166667	-0.504939	0	
33	N33	-1.440524	0.166667	3.504939	0	
34	N34	-2.598076	0	1.5	0	
35	N35	-5.791545	0	3.34375	0	
36	N37	-3.755628	0	-0.504939	0	
37	N38	-1.440524	0	3.504939	0	
38	N39	-3.86891	0	-0.701148	0	
39	N40	-2.514743	0	1.644338	0	
40	N41	-2.68141	0	1.355662	0	
41	N42	-1.516686	0	3.810523	0	
42	N43	-4.058353	0	-0.591773	0	
43	N44	-4.141686	0	-0.447435	0	
44	N45	-5.993368	0	2.800229	0	
45	N46	-1.683353	0	3.810523	0	
46	N47	-5.421753	0	3.790294	0	
47	N48	-4.267982	0	-0.520352	0	
48	N49	-1.683353	0	3.956357	0	
49	N50	-5.533732	0	3.790294	0	
50	N51	-6.049357	0	2.897206	0	
51	N52	-6.137182	0	2.717198	0	
52	N53	-5.421753	0	3.956357	0	
53	N54	-5.719376	0	3.302083	0	
54	N55	-5.836495	0.166667	3.099228	0	
55	N56	-5.836495	0	3.099228	0	
56	N57	-5.602257	0.166667	3.504939	0	
57	N58	-5.602257	0	3.504939	0	
58	N59	1.299038	0	0.75	0	
59	N60	3.86891	0	-0.701148	0	
60	N61	1.440524	0.166667	3.504939	0	
61	N62	3.755628	0.166667	-0.504939	0	
62	N63	2.598076	0	1.5	0	
63	N64	5.791545	0	3.34375	0	
64	N66	1.440524	0	3.504939	0	
65	N67	3.755628	0	-0.504939	0	
66	N68	1.327243	0	3.701148	0	
67	N69	2.68141	0	1.355662	0	
68	N70	2.514743	0	1.644338	0	
69	N71	4.058353	0	-0.591773	0	
70	N72	1.516686	0	3.810523	0	
71	N73	1.683353	0	3.810523	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N74	5.421753	0	3.790294	0	
73	N75	4.141686	0	-0.447435	0	
74	N76	5.993368	0	2.800229	0	
75	N77	1.683353	0	3.956357	0	
76	N78	4.267982	0	-0.520352	0	
77	N79	6.049357	0	2.897206	0	
78	N80	5.533732	0	3.790294	0	
79	N81	5.421753	0	3.956357	0	
80	N82	6.137182	0	2.717198	0	
81	N83	5.719376	0	3.302083	0	
82	N84	5.602257	0.166667	3.504939	0	
83	N85	5.602257	0	3.504939	0	
84	N86	5.836495	0.166667	3.099228	0	
85	N87	5.836495	0	3.099228	0	
86	N86F	0.	0	3.956357	0	
87	N87D	6.25	0	3.956357	0	
88	N88	-6.25	0	3.956357	0	
89	N90	0.301305	0	-7.390837	0	
90	N91	6.551305	0	3.43448	0	
91	N93	-6.551305	0	3.43448	0	
92	N94	-0.301305	0	-7.390837	0	
93	N93A	5.916667	0	3.956357	0	
94	N94A	5.916667	0	4.206357	0	
95	N95	5.916667	4	4.206357	0	
96	N96	5.916667	-4	4.206357	0	
97	N97	2.416667	0	3.956357	0	
98	N98	2.416667	0	4.206357	0	
99	N99	2.416667	4	4.206357	0	
100	N100	2.416667	-4	4.206357	0	
101	N101A	-2.416667	0	3.956357	0	
102	N102A	-2.416667	0	4.206357	0	
103	N103	-2.416667	4	4.206357	0	
104	N104	-2.416667	-4	4.206357	0	
105	N105A	-5.916667	0	3.956357	0	
106	N106	-5.916667	0	4.206357	0	
107	N107	-5.916667	4	4.206357	0	
108	N108	-5.916667	-4	4.206357	0	
109	N110	0.467972	0	-7.102162	0	
110	N111	0.684478	0	-7.227162	0	
111	N112	0.684478	4	-7.227162	0	
112	N113	0.684478	-4	-7.227162	0	
113	N114	2.217972	0	-4.071073	0	
114	N115	2.434478	0	-4.196073	0	
115	N116	2.434478	4	-4.196073	0	
116	N117	2.434478	-4	-4.196073	0	
117	N122	6.384639	0	3.145805	0	
118	N123	6.601145	0	3.020805	0	
119	N124	6.601145	4	3.020805	0	
120	N125	6.601145	-4	3.020805	0	
121	N127	-6.384639	0	3.145805	0	
122	N128	-6.601145	0	3.020805	0	
123	N129	-6.601145	4	3.020805	0	
124	N130	-6.601145	-4	3.020805	0	
125	N131A	-4.634639	0	0.114716	0	
126	N132	-4.851145	0	-0.010284	0	
127	N133	-4.851145	4	-0.010284	0	
128	N134	-4.851145	-4	-0.010284	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N139	-0.467972	0	-7.102162	0	
130	N140	-0.684478	0	-7.227162	0	
131	N141	-0.684478	4	-7.227162	0	
132	N142	-0.684478	-4	-7.227162	0	
133	N141A	-0.	0	-2.25	0	
134	N142A	0.333333	0	-2.25	0	
135	N143	0.333333	-.5	-2.25	0	
136	N144A	0.333333	2.5	-2.25	0	
137	N175	-4.75	3	3.956357	0	
138	N176	-4.75	3	3.78969	0	
139	N177	4.75	3	3.956357	0	
140	N178	4.75	3	3.78969	0	
141	N141B	6.25	3	3.956357	0	
142	N142B	-6.25	3	3.956357	0	
143	N143A	5.916667	3	3.956357	0	
144	N144B	5.916667	3	4.206357	0	
145	N145	2.416667	3	3.956357	0	
146	N146	2.416667	3	4.206357	0	
147	N147	-2.416667	3	3.956357	0	
148	N148A	-2.416667	3	4.206357	0	
149	N149	-5.916667	3	3.956357	0	
150	N150	-5.916667	3	4.206357	0	
151	N151	4.634639	0	0.114716	0	
152	N152	4.851145	0	-0.010284	0	
153	N153	4.851145	4	-0.010284	0	
154	N154	4.851145	-4	-0.010284	0	
155	N155	5.801305	3	2.135442	0	
156	N156	5.656968	3	2.218776	0	
157	N157	1.051305	3	-6.091799	0	
158	N158	0.906968	3	-6.008466	0	
159	N159	0.301305	3	-7.390837	0	
160	N160	6.551305	3	3.43448	0	
161	N161	0.467972	3	-7.102162	0	
162	N162	0.684478	3	-7.227162	0	
163	N163	2.217972	3	-4.071073	0	
164	N164	2.434478	3	-4.196073	0	
165	N165	4.634639	3	0.114716	0	
166	N166	4.851145	3	-0.010284	0	
167	N167	6.384639	3	3.145805	0	
168	N168	6.601145	3	3.020805	0	
169	N169	-2.217972	0	-4.071073	0	
170	N170	-2.434478	0	-4.196073	0	
171	N171	-2.434478	4	-4.196073	0	
172	N172	-2.434478	-4	-4.196073	0	
173	N173	-1.051305	3	-6.091799	0	
174	N174	-0.906968	3	-6.008466	0	
175	N175A	-5.801305	3	2.135442	0	
176	N176A	-5.656968	3	2.218776	0	
177	N177A	-6.551305	3	3.43448	0	
178	N178A	-0.301305	3	-7.390837	0	
179	N179	-6.384639	3	3.145805	0	
180	N180	-6.601145	3	3.020805	0	
181	N181	-4.634639	3	0.114716	0	
182	N182	-4.851145	3	-0.010284	0	
183	N183	-2.217972	3	-4.071073	0	
184	N184	-2.434478	3	-4.196073	0	
185	N185	-0.467972	3	-7.102162	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N186	-0.684478	3	-7.227162	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rul...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizon...	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossm...	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	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	Corner Angle	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
9	Dual Antenna Mo...	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	Support Rail Cor...	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 Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
2	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
3	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M46	N86C	N87A			Corner Plate	Beam	BAR	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	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
16	M83	N135	N86D			RIGID	None	None	RIGID	Typical
17	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
18	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
19	M88	N144	N86B			RIGID	None	None	RIGID	Typical
20	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
21	M92	N148	N86E			RIGID	None	None	RIGID	Typical
22	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
23	M51	N88A	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
24	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
25	M25	N30A	N35			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
26	M26	N39	N41			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
27	M27	N40	N31			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
28	M28	N50	N51			Corner Plate	Beam	BAR	A36 Gr.36	Typical
29	M29	N33	N38			RIGID	None	None	RIGID	Typical
30	M30	N32	N37			RIGID	None	None	RIGID	Typical
31	M31	N55	N32			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
32	M32	N33	N57			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M33	N57	N58			RIGID	None	None	RIGID	Typical
34	M34	N40	N34			RIGID	None	None	RIGID	Typical
35	M35	N34	N41			RIGID	None	None	RIGID	Typical
36	M36	N39	N43			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
37	M37	N43	N44			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
38	M38	N44	N48			RIGID	None	None	RIGID	Typical
39	M39	N51	N45			Corner Plate	Beam	BAR	A36 Gr.36	Typical
40	M40	N45	N52			RIGID	None	None	RIGID	Typical
41	M41	N31	N42			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
42	M42	N42	N46			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
43	M43A	N46	N49			RIGID	None	None	RIGID	Typical
44	M44	N50	N47			Corner Plate	Beam	BAR	A36 Gr.36	Typical
45	M45	N47	N53			RIGID	None	None	RIGID	Typical
46	M46A	N58	N54			RIGID	None	None	RIGID	Typical
47	M47	N54	N56			RIGID	None	None	RIGID	Typical
48	M48	N55	N56			RIGID	None	None	RIGID	Typical
49	M49	N59	N64			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
50	M50A	N68	N70			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
51	M51C	N69	N60			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
52	M52A	N79	N80			Corner Plate	Beam	BAR	A36 Gr.36	Typical
53	M53	N62	N67			RIGID	None	None	RIGID	Typical
54	M54	N61	N66			RIGID	None	None	RIGID	Typical
55	M55	N84	N61			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
56	M56	N62	N86			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
57	M57	N86	N87			RIGID	None	None	RIGID	Typical
58	M58A	N69	N63			RIGID	None	None	RIGID	Typical
59	M59A	N63	N70			RIGID	None	None	RIGID	Typical
60	M60	N68	N72			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
61	M61	N72	N73			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
62	M62	N73	N77			RIGID	None	None	RIGID	Typical
63	M63	N80	N74			Corner Plate	Beam	BAR	A36 Gr.36	Typical
64	M64	N74	N81			RIGID	None	None	RIGID	Typical
65	M65	N60	N71			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
66	M66	N71	N75			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
67	M67	N75	N78			RIGID	None	None	RIGID	Typical
68	M68	N79	N76			Corner Plate	Beam	BAR	A36 Gr.36	Typical
69	M69	N76	N82			RIGID	None	None	RIGID	Typical
70	M70	N87	N83			RIGID	None	None	RIGID	Typical
71	M71	N83	N85			RIGID	None	None	RIGID	Typical
72	M72	N84	N85			RIGID	None	None	RIGID	Typical
73	M73	N88	N87D			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
74	M74	N91	N90			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
75	M75	N94	N93			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M76A	N93A	N94A			RIGID	None	None	RIGID	Typical
77	MP1A	N95	N96			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
78	M78	N97	N98			RIGID	None	None	RIGID	Typical
79	MP2A	N99	N100			Dual Antenna ...	Column	Pipe	A53 Gr.B	Typical
80	M80A	N101A	N102A			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
81	MP3A	N103	N104			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
82	M82	N105A	N106			RIGID	None	None	RIGID	Typical
83	MP4A	N107	N108			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	M84A	N110	N111			RIGID	None	None	RIGID	Typical
85	MP1C	N112	N113			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
86	M86	N114	N115			RIGID	None	None	RIGID	Typical
87	MP2C	N116	N117			Dual Antenna ...	Column	Pipe	A53 Gr.B	Typical
88	M90	N122	N123			RIGID	None	None	RIGID	Typical
89	MP4C	N124	N125			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	M92A	N127	N128			RIGID	None	None	RIGID	Typical
91	MP1B	N129	N130			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M94	N131A	N132			RIGID	None	None	RIGID	Typical
93	MP2B	N133	N134			Dual Antenna ...	Column	Pipe	A53 Gr.B	Typical
94	M98	N139	N140			RIGID	None	None	RIGID	Typical
95	MP4B	N141	N142			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
96	M100	N141A	N142A			RIGID	None	None	RIGID	Typical
97	M101	N144A	N143			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	M117	N175	N176			RIGID	None	None	RIGID	Typical
99	M118	N177	N178			RIGID	None	None	RIGID	Typical
100	M100A	N143A	N144B			RIGID	None	None	RIGID	Typical
101	M101A	N145	N146			RIGID	None	None	RIGID	Typical
102	M102	N147	N148A			RIGID	None	None	RIGID	Typical
103	M103	N149	N150			RIGID	None	None	RIGID	Typical
104	M104	N142B	N141B			Support Rail	Beam	Pipe	A53 Gr.B	Typical
105	M105	N151	N152			RIGID	None	None	RIGID	Typical
106	MP3C	N153	N154			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
107	M107	N155	N156			RIGID	None	None	RIGID	Typical
108	M108	N157	N158			RIGID	None	None	RIGID	Typical
109	M109	N161	N162			RIGID	None	None	RIGID	Typical
110	M110	N163	N164			RIGID	None	None	RIGID	Typical
111	M111	N165	N166			RIGID	None	None	RIGID	Typical
112	M112	N167	N168			RIGID	None	None	RIGID	Typical
113	M113	N160	N159			Support Rail	Beam	Pipe	A53 Gr.B	Typical
114	M114	N169	N170			RIGID	None	None	RIGID	Typical
115	MP3B	N171	N172			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
116	M116	N173	N174			RIGID	None	None	RIGID	Typical
117	M117A	N175A	N176A			RIGID	None	None	RIGID	Typical
118	M118A	N179	N180			RIGID	None	None	RIGID	Typical
119	M119	N181	N182			RIGID	None	None	RIGID	Typical
120	M120	N183	N184			RIGID	None	None	RIGID	Typical
121	M121	N185	N186			RIGID	None	None	RIGID	Typical
122	M122	N178A	N177A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
123	M123	N176	N176A		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
124	M124	N174	N158		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
125	M125	N156	N178		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	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

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
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	M80						Yes				None
16	M83		BenPIN				Yes	** NA **			None
17	M84						Yes	** NA **			None
18	M85						Yes	** NA **			None
19	M88		BenPIN				Yes	** NA **			None
20	M91						Yes				None
21	M92		BenPIN				Yes	** NA **			None
22	M50						Yes	** NA **			None
23	M51						Yes	** NA **			None
24	M51A						Yes	** NA **			None
25	M25						Yes				None
26	M26						Yes	Default			None
27	M27						Yes	Default			None
28	M28						Yes	Default			None
29	M29						Yes	** NA **			None
30	M30						Yes	** NA **			None
31	M31	OOOOOX	OOOOOX				Yes	Default			None
32	M32	OOOOOX	OOOOOX				Yes	Default			None
33	M33						Yes	** NA **			None
34	M34						Yes	** NA **			None
35	M35						Yes	** NA **			None
36	M36						Yes	** NA **			None
37	M37						Yes	** NA **			None
38	M38		BenPIN				Yes	** NA **			None
39	M39						Yes				None
40	M40		BenPIN				Yes	** NA **			None
41	M41						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	M43A		BenPIN				Yes	** NA **			None
44	M44						Yes				None
45	M45		BenPIN				Yes	** NA **			None
46	M46A						Yes	** NA **			None
47	M47						Yes	** NA **			None
48	M48						Yes	** NA **			None
49	M49						Yes				None
50	M50A						Yes	Default			None
51	M51C						Yes	Default			None
52	M52A						Yes	Default			None
53	M53						Yes	** NA **			None
54	M54						Yes	** NA **			None
55	M55	OOOOOX	OOOOOX				Yes	Default			None
56	M56	OOOOOX	OOOOOX				Yes	Default			None
57	M57						Yes	** NA **			None
58	M58A						Yes	** NA **			None
59	M59A						Yes	** NA **			None
60	M60						Yes	** NA **			None
61	M61						Yes	** NA **			None
62	M62		BenPIN				Yes	** NA **			None
63	M63						Yes				None
64	M64		BenPIN				Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
65	M65						Yes	** NA **			None
66	M66						Yes	** NA **			None
67	M67		BenPIN				Yes	** NA **			None
68	M68						Yes				None
69	M69		BenPIN				Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73						Yes				None
74	M74						Yes				None
75	M75						Yes				None
76	M76A						Yes	** NA **			None
77	MP1A						Yes	** NA **			None
78	M78						Yes	** NA **			None
79	MP2A						Yes	** NA **			None
80	M80A						Yes	** NA **			None
81	MP3A						Yes	** NA **			None
82	M82						Yes	** NA **			None
83	MP4A						Yes	** NA **			None
84	M84A						Yes	** NA **			None
85	MP1C						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	MP2C						Yes	** NA **			None
88	M90						Yes	** NA **			None
89	MP4C						Yes	** NA **			None
90	M92A						Yes	** NA **			None
91	MP1B						Yes	** NA **			None
92	M94						Yes	** NA **			None
93	MP2B						Yes	** NA **			None
94	M98						Yes	** NA **			None
95	MP4B						Yes	** NA **			None
96	M100						Yes	** NA **			None
97	M101						Yes	** NA **			None
98	M117	OOOOOX					Yes	** NA **			None
99	M118	OOOOOX					Yes	** NA **			None
100	M100A						Yes	** NA **			None
101	M101A						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes				None
105	M105						Yes	** NA **			None
106	MP3C						Yes	** NA **			None
107	M107	OOOOOX					Yes	** NA **			None
108	M108	OOOOOX					Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	M111						Yes	** NA **			None
112	M112						Yes	** NA **			None
113	M113						Yes				None
114	M114						Yes	** NA **			None
115	MP3B						Yes	** NA **			None
116	M116	OOOOOX					Yes	** NA **			None
117	M117A	OOOOOX					Yes	** NA **			None
118	M118A						Yes	** NA **			None
119	M119						Yes	** NA **			None
120	M120						Yes	** NA **			None
121	M121						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...
122	M122						Yes				None
123	M123						Yes				None
124	M124						Yes				None
125	M125						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-21.85	.5
2	MP2A	My	-.011	.5
3	MP2A	Mz	.013	.5
4	MP2A	Y	-21.85	5.5
5	MP2A	My	-.011	5.5
6	MP2A	Mz	.013	5.5
7	MP2B	Y	-21.85	.5
8	MP2B	My	-.006	.5
9	MP2B	Mz	-.016	.5
10	MP2B	Y	-21.85	5.5
11	MP2B	My	-.006	5.5
12	MP2B	Mz	-.016	5.5
13	MP2C	Y	-21.85	.5
14	MP2C	My	.017	.5
15	MP2C	Mz	.003	.5
16	MP2C	Y	-21.85	5.5
17	MP2C	My	.017	5.5
18	MP2C	Mz	.003	5.5
19	MP2A	Y	-21.85	.5
20	MP2A	My	-.011	.5
21	MP2A	Mz	-.013	.5
22	MP2A	Y	-21.85	5.5
23	MP2A	My	-.011	5.5
24	MP2A	Mz	-.013	5.5
25	MP2B	Y	-21.85	.5
26	MP2B	My	.017	.5
27	MP2B	Mz	-.003	.5
28	MP2B	Y	-21.85	5.5
29	MP2B	My	.017	5.5
30	MP2B	Mz	-.003	5.5
31	MP2C	Y	-21.85	.5
32	MP2C	My	-.006	.5
33	MP2C	Mz	.016	.5
34	MP2C	Y	-21.85	5.5
35	MP2C	My	-.006	5.5
36	MP2C	Mz	.016	5.5
37	MP3A	Y	-43.55	2.25
38	MP3A	My	-.022	2.25
39	MP3A	Mz	0	2.25
40	MP3A	Y	-43.55	3.75
41	MP3A	My	-.022	3.75
42	MP3A	Mz	0	3.75
43	MP3B	Y	-43.55	2.25
44	MP3B	My	.011	2.25
45	MP3B	Mz	-.019	2.25
46	MP3B	Y	-43.55	3.75
47	MP3B	My	.011	3.75
48	MP3B	Mz	-.019	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3C	Y	-43.55	2.25
50	MP3C	My	.011	2.25
51	MP3C	Mz	.019	2.25
52	MP3C	Y	-43.55	3.75
53	MP3C	My	.011	3.75
54	MP3C	Mz	.019	3.75
55	M101	Y	-32	1.5
56	M101	My	0	1.5
57	M101	Mz	0	1.5
58	MP1A	Y	-74.7	2.5
59	MP1A	My	.037	2.5
60	MP1A	Mz	0	2.5
61	MP1B	Y	-74.7	2.5
62	MP1B	My	-.019	2.5
63	MP1B	Mz	.032	2.5
64	MP1C	Y	-74.7	2.5
65	MP1C	My	-.019	2.5
66	MP1C	Mz	-.032	2.5
67	MP2A	Y	-70.3	2.5
68	MP2A	My	.035	2.5
69	MP2A	Mz	0	2.5
70	MP2B	Y	-70.3	2.5
71	MP2B	My	-.018	2.5
72	MP2B	Mz	.03	2.5
73	MP2C	Y	-70.3	2.5
74	MP2C	My	-.018	2.5
75	MP2C	Mz	-.03	2.5
76	MP1A	Y	-19	.25
77	MP1A	My	-.009	.25
78	MP1A	Mz	0	.25
79	MP1A	Y	-19	5.75
80	MP1A	My	-.009	5.75
81	MP1A	Mz	0	5.75
82	MP1B	Y	-19	.25
83	MP1B	My	.005	.25
84	MP1B	Mz	-.008	.25
85	MP1B	Y	-19	5.75
86	MP1B	My	.005	5.75
87	MP1B	Mz	-.008	5.75
88	MP1C	Y	-19	.25
89	MP1C	My	.005	.25
90	MP1C	Mz	.008	.25
91	MP1C	Y	-19	5.75
92	MP1C	My	.005	5.75
93	MP1C	Mz	.008	5.75
94	MP4A	Y	-19	.25
95	MP4A	My	-.009	.25
96	MP4A	Mz	0	.25
97	MP4A	Y	-19	5.75
98	MP4A	My	-.009	5.75
99	MP4A	Mz	0	5.75
100	MP4B	Y	-19	.25
101	MP4B	My	.005	.25
102	MP4B	Mz	-.008	.25
103	MP4B	Y	-19	5.75
104	MP4B	My	.005	5.75
105	MP4B	Mz	-.008	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	MP4C	Y	-19	.25
107	MP4C	My	.005	.25
108	MP4C	Mz	.008	.25
109	MP4C	Y	-19	5.75
110	MP4C	My	.005	5.75
111	MP4C	Mz	.008	5.75

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-62.275	.5
2	MP2A	My	-.031	.5
3	MP2A	Mz	.036	.5
4	MP2A	Y	-62.275	5.5
5	MP2A	My	-.031	5.5
6	MP2A	Mz	.036	5.5
7	MP2B	Y	-62.275	.5
8	MP2B	My	-.016	.5
9	MP2B	Mz	-.045	.5
10	MP2B	Y	-62.275	5.5
11	MP2B	My	-.016	5.5
12	MP2B	Mz	-.045	5.5
13	MP2C	Y	-62.275	.5
14	MP2C	My	.047	.5
15	MP2C	Mz	.009	.5
16	MP2C	Y	-62.275	5.5
17	MP2C	My	.047	5.5
18	MP2C	Mz	.009	5.5
19	MP2A	Y	-62.275	.5
20	MP2A	My	-.031	.5
21	MP2A	Mz	-.036	.5
22	MP2A	Y	-62.275	5.5
23	MP2A	My	-.031	5.5
24	MP2A	Mz	-.036	5.5
25	MP2B	Y	-62.275	.5
26	MP2B	My	.047	.5
27	MP2B	Mz	-.009	.5
28	MP2B	Y	-62.275	5.5
29	MP2B	My	.047	5.5
30	MP2B	Mz	-.009	5.5
31	MP2C	Y	-62.275	.5
32	MP2C	My	-.016	.5
33	MP2C	Mz	.045	.5
34	MP2C	Y	-62.275	5.5
35	MP2C	My	-.016	5.5
36	MP2C	Mz	.045	5.5
37	MP3A	Y	-36.609	2.25
38	MP3A	My	-.018	2.25
39	MP3A	Mz	0	2.25
40	MP3A	Y	-36.609	3.75
41	MP3A	My	-.018	3.75
42	MP3A	Mz	0	3.75
43	MP3B	Y	-36.609	2.25
44	MP3B	My	.009	2.25
45	MP3B	Mz	-.016	2.25
46	MP3B	Y	-36.609	3.75
47	MP3B	My	.009	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3B	Mz	-.016	3.75
49	MP3C	Y	-36.609	2.25
50	MP3C	My	.009	2.25
51	MP3C	Mz	.016	2.25
52	MP3C	Y	-36.609	3.75
53	MP3C	My	.009	3.75
54	MP3C	Mz	.016	3.75
55	M101	Y	-90.329	1.5
56	M101	My	0	1.5
57	M101	Mz	0	1.5
58	MP1A	Y	-46.174	2.5
59	MP1A	My	.023	2.5
60	MP1A	Mz	0	2.5
61	MP1B	Y	-46.174	2.5
62	MP1B	My	-.012	2.5
63	MP1B	Mz	.02	2.5
64	MP1C	Y	-46.174	2.5
65	MP1C	My	-.012	2.5
66	MP1C	Mz	-.02	2.5
67	MP2A	Y	-43.976	2.5
68	MP2A	My	.022	2.5
69	MP2A	Mz	0	2.5
70	MP2B	Y	-43.976	2.5
71	MP2B	My	-.011	2.5
72	MP2B	Mz	.019	2.5
73	MP2C	Y	-43.976	2.5
74	MP2C	My	-.011	2.5
75	MP2C	Mz	-.019	2.5
76	MP1A	Y	-119.44	.25
77	MP1A	My	-.06	.25
78	MP1A	Mz	0	.25
79	MP1A	Y	-119.44	5.75
80	MP1A	My	-.06	5.75
81	MP1A	Mz	0	5.75
82	MP1B	Y	-119.44	.25
83	MP1B	My	.03	.25
84	MP1B	Mz	-.052	.25
85	MP1B	Y	-119.44	5.75
86	MP1B	My	.03	5.75
87	MP1B	Mz	-.052	5.75
88	MP1C	Y	-119.44	.25
89	MP1C	My	.03	.25
90	MP1C	Mz	.052	.25
91	MP1C	Y	-119.44	5.75
92	MP1C	My	.03	5.75
93	MP1C	Mz	.052	5.75
94	MP4A	Y	-119.44	.25
95	MP4A	My	-.06	.25
96	MP4A	Mz	0	.25
97	MP4A	Y	-119.44	5.75
98	MP4A	My	-.06	5.75
99	MP4A	Mz	0	5.75
100	MP4B	Y	-119.44	.25
101	MP4B	My	.03	.25
102	MP4B	Mz	-.052	.25
103	MP4B	Y	-119.44	5.75
104	MP4B	My	.03	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP4B	Mz	-.052	5.75
106	MP4C	Y	-119.44	.25
107	MP4C	My	.03	.25
108	MP4C	Mz	.052	.25
109	MP4C	Y	-119.44	5.75
110	MP4C	My	.03	5.75
111	MP4C	Mz	.052	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-184.365	.5
3	MP2A	Mx	-.108	.5
4	MP2A	X	0	5.5
5	MP2A	Z	-184.365	5.5
6	MP2A	Mx	-.108	5.5
7	MP2B	X	0	.5
8	MP2B	Z	-137.504	.5
9	MP2B	Mx	.1	.5
10	MP2B	X	0	5.5
11	MP2B	Z	-137.504	5.5
12	MP2B	Mx	.1	5.5
13	MP2C	X	0	.5
14	MP2C	Z	-137.504	.5
15	MP2C	Mx	-.019	.5
16	MP2C	X	0	5.5
17	MP2C	Z	-137.504	5.5
18	MP2C	Mx	-.019	5.5
19	MP2A	X	0	.5
20	MP2A	Z	-184.365	.5
21	MP2A	Mx	.108	.5
22	MP2A	X	0	5.5
23	MP2A	Z	-184.365	5.5
24	MP2A	Mx	.108	5.5
25	MP2B	X	0	.5
26	MP2B	Z	-137.504	.5
27	MP2B	Mx	.019	.5
28	MP2B	X	0	5.5
29	MP2B	Z	-137.504	5.5
30	MP2B	Mx	.019	5.5
31	MP2C	X	0	.5
32	MP2C	Z	-137.504	.5
33	MP2C	Mx	-.1	.5
34	MP2C	X	0	5.5
35	MP2C	Z	-137.504	5.5
36	MP2C	Mx	-.1	5.5
37	MP3A	X	0	2.25
38	MP3A	Z	-107.242	2.25
39	MP3A	Mx	0	2.25
40	MP3A	X	0	3.75
41	MP3A	Z	-107.242	3.75
42	MP3A	Mx	0	3.75
43	MP3B	X	0	2.25
44	MP3B	Z	-58.299	2.25
45	MP3B	Mx	.025	2.25
46	MP3B	X	0	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP3B	Z	-58.299	3.75
48	MP3B	Mx	.025	3.75
49	MP3C	X	0	2.25
50	MP3C	Z	-58.299	2.25
51	MP3C	Mx	-.025	2.25
52	MP3C	X	0	3.75
53	MP3C	Z	-58.299	3.75
54	MP3C	Mx	-.025	3.75
55	M101	X	0	1.5
56	M101	Z	-174.297	1.5
57	M101	Mx	0	1.5
58	MP1A	X	0	2.5
59	MP1A	Z	-85.337	2.5
60	MP1A	Mx	0	2.5
61	MP1B	X	0	2.5
62	MP1B	Z	-64.117	2.5
63	MP1B	Mx	-.028	2.5
64	MP1C	X	0	2.5
65	MP1C	Z	-64.117	2.5
66	MP1C	Mx	.028	2.5
67	MP2A	X	0	2.5
68	MP2A	Z	-85.337	2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	-60.267	2.5
72	MP2B	Mx	-.026	2.5
73	MP2C	X	0	2.5
74	MP2C	Z	-60.267	2.5
75	MP2C	Mx	.026	2.5
76	MP1A	X	0	.25
77	MP1A	Z	-311.915	.25
78	MP1A	Mx	0	.25
79	MP1A	X	0	5.75
80	MP1A	Z	-311.915	5.75
81	MP1A	Mx	0	5.75
82	MP1B	X	0	.25
83	MP1B	Z	-286.304	.25
84	MP1B	Mx	.124	.25
85	MP1B	X	0	5.75
86	MP1B	Z	-286.304	5.75
87	MP1B	Mx	.124	5.75
88	MP1C	X	0	.25
89	MP1C	Z	-286.304	.25
90	MP1C	Mx	-.124	.25
91	MP1C	X	0	5.75
92	MP1C	Z	-286.304	5.75
93	MP1C	Mx	-.124	5.75
94	MP4A	X	0	.25
95	MP4A	Z	-311.915	.25
96	MP4A	Mx	0	.25
97	MP4A	X	0	5.75
98	MP4A	Z	-311.915	5.75
99	MP4A	Mx	0	5.75
100	MP4B	X	0	.25
101	MP4B	Z	-286.304	.25
102	MP4B	Mx	.124	.25
103	MP4B	X	0	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
104	MP4B	Z	-286.304	5.75
105	MP4B	Mx	.124	5.75
106	MP4C	X	0	.25
107	MP4C	Z	-286.304	.25
108	MP4C	Mx	-.124	.25
109	MP4C	X	0	5.75
110	MP4C	Z	-286.304	5.75
111	MP4C	Mx	-.124	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	84.372	.5
2	MP2A	Z	-146.137	.5
3	MP2A	Mx	-.127	.5
4	MP2A	X	84.372	5.5
5	MP2A	Z	-146.137	5.5
6	MP2A	Mx	-.127	5.5
7	MP2B	X	60.942	.5
8	MP2B	Z	-105.554	.5
9	MP2B	Mx	.061	.5
10	MP2B	X	60.942	5.5
11	MP2B	Z	-105.554	5.5
12	MP2B	Mx	.061	5.5
13	MP2C	X	84.372	.5
14	MP2C	Z	-146.137	.5
15	MP2C	Mx	.043	.5
16	MP2C	X	84.372	5.5
17	MP2C	Z	-146.137	5.5
18	MP2C	Mx	.043	5.5
19	MP2A	X	84.372	.5
20	MP2A	Z	-146.137	.5
21	MP2A	Mx	.043	.5
22	MP2A	X	84.372	5.5
23	MP2A	Z	-146.137	5.5
24	MP2A	Mx	.043	5.5
25	MP2B	X	60.942	.5
26	MP2B	Z	-105.554	.5
27	MP2B	Mx	.061	.5
28	MP2B	X	60.942	5.5
29	MP2B	Z	-105.554	5.5
30	MP2B	Mx	.061	5.5
31	MP2C	X	84.372	.5
32	MP2C	Z	-146.137	.5
33	MP2C	Mx	-.127	.5
34	MP2C	X	84.372	5.5
35	MP2C	Z	-146.137	5.5
36	MP2C	Mx	-.127	5.5
37	MP3A	X	45.464	2.25
38	MP3A	Z	-78.746	2.25
39	MP3A	Mx	-.023	2.25
40	MP3A	X	45.464	3.75
41	MP3A	Z	-78.746	3.75
42	MP3A	Mx	-.023	3.75
43	MP3B	X	20.993	2.25
44	MP3B	Z	-36.36	2.25
45	MP3B	Mx	.021	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP3B	X	20.993	3.75
47	MP3B	Z	-36.36	3.75
48	MP3B	Mx	.021	3.75
49	MP3C	X	45.464	2.25
50	MP3C	Z	-78.746	2.25
51	MP3C	Mx	-.023	2.25
52	MP3C	X	45.464	3.75
53	MP3C	Z	-78.746	3.75
54	MP3C	Mx	-.023	3.75
55	M101	X	92.639	1.5
56	M101	Z	-160.456	1.5
57	M101	Mx	0	1.5
58	MP1A	X	39.132	2.5
59	MP1A	Z	-67.779	2.5
60	MP1A	Mx	.02	2.5
61	MP1B	X	28.522	2.5
62	MP1B	Z	-49.401	2.5
63	MP1B	Mx	-.029	2.5
64	MP1C	X	39.132	2.5
65	MP1C	Z	-67.779	2.5
66	MP1C	Mx	.02	2.5
67	MP2A	X	38.49	2.5
68	MP2A	Z	-66.667	2.5
69	MP2A	Mx	.019	2.5
70	MP2B	X	25.955	2.5
71	MP2B	Z	-44.955	2.5
72	MP2B	Mx	-.026	2.5
73	MP2C	X	38.49	2.5
74	MP2C	Z	-66.667	2.5
75	MP2C	Mx	.019	2.5
76	MP1A	X	151.689	.25
77	MP1A	Z	-262.733	.25
78	MP1A	Mx	-.076	.25
79	MP1A	X	151.689	5.75
80	MP1A	Z	-262.733	5.75
81	MP1A	Mx	-.076	5.75
82	MP1B	X	138.884	.25
83	MP1B	Z	-240.554	.25
84	MP1B	Mx	.139	.25
85	MP1B	X	138.884	5.75
86	MP1B	Z	-240.554	5.75
87	MP1B	Mx	.139	5.75
88	MP1C	X	151.689	.25
89	MP1C	Z	-262.733	.25
90	MP1C	Mx	-.076	.25
91	MP1C	X	151.689	5.75
92	MP1C	Z	-262.733	5.75
93	MP1C	Mx	-.076	5.75
94	MP4A	X	151.689	.25
95	MP4A	Z	-262.733	.25
96	MP4A	Mx	-.076	.25
97	MP4A	X	151.689	5.75
98	MP4A	Z	-262.733	5.75
99	MP4A	Mx	-.076	5.75
100	MP4B	X	138.884	.25
101	MP4B	Z	-240.554	.25
102	MP4B	Mx	.139	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP4B	X	138.884	5.75
104	MP4B	Z	-240.554	5.75
105	MP4B	Mx	.139	5.75
106	MP4C	X	151.689	.25
107	MP4C	Z	-262.733	.25
108	MP4C	Mx	-.076	.25
109	MP4C	X	151.689	5.75
110	MP4C	Z	-262.733	5.75
111	MP4C	Mx	-.076	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	119.082	.5
2	MP2A	Z	-68.752	.5
3	MP2A	Mx	-.1	.5
4	MP2A	X	119.082	5.5
5	MP2A	Z	-68.752	5.5
6	MP2A	Mx	-.1	5.5
7	MP2B	X	119.082	.5
8	MP2B	Z	-68.752	.5
9	MP2B	Mx	.019	.5
10	MP2B	X	119.082	5.5
11	MP2B	Z	-68.752	5.5
12	MP2B	Mx	.019	5.5
13	MP2C	X	159.665	.5
14	MP2C	Z	-92.183	.5
15	MP2C	Mx	.108	.5
16	MP2C	X	159.665	5.5
17	MP2C	Z	-92.183	5.5
18	MP2C	Mx	.108	5.5
19	MP2A	X	119.082	.5
20	MP2A	Z	-68.752	.5
21	MP2A	Mx	-.019	.5
22	MP2A	X	119.082	5.5
23	MP2A	Z	-68.752	5.5
24	MP2A	Mx	-.019	5.5
25	MP2B	X	119.082	.5
26	MP2B	Z	-68.752	.5
27	MP2B	Mx	.1	.5
28	MP2B	X	119.082	5.5
29	MP2B	Z	-68.752	5.5
30	MP2B	Mx	.1	5.5
31	MP2C	X	159.665	.5
32	MP2C	Z	-92.183	.5
33	MP2C	Mx	-.108	.5
34	MP2C	X	159.665	5.5
35	MP2C	Z	-92.183	5.5
36	MP2C	Mx	-.108	5.5
37	MP3A	X	50.489	2.25
38	MP3A	Z	-29.15	2.25
39	MP3A	Mx	-.025	2.25
40	MP3A	X	50.489	3.75
41	MP3A	Z	-29.15	3.75
42	MP3A	Mx	-.025	3.75
43	MP3B	X	50.489	2.25
44	MP3B	Z	-29.15	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	.025	2.25
46	MP3B	X	50.489	3.75
47	MP3B	Z	-29.15	3.75
48	MP3B	Mx	.025	3.75
49	MP3C	X	92.875	2.25
50	MP3C	Z	-53.621	2.25
51	MP3C	Mx	0	2.25
52	MP3C	X	92.875	3.75
53	MP3C	Z	-53.621	3.75
54	MP3C	Mx	0	3.75
55	M101	X	150.946	1.5
56	M101	Z	-87.149	1.5
57	M101	Mx	0	1.5
58	MP1A	X	55.527	2.5
59	MP1A	Z	-32.059	2.5
60	MP1A	Mx	.028	2.5
61	MP1B	X	55.527	2.5
62	MP1B	Z	-32.059	2.5
63	MP1B	Mx	-.028	2.5
64	MP1C	X	73.904	2.5
65	MP1C	Z	-42.669	2.5
66	MP1C	Mx	0	2.5
67	MP2A	X	52.193	2.5
68	MP2A	Z	-30.133	2.5
69	MP2A	Mx	.026	2.5
70	MP2B	X	52.193	2.5
71	MP2B	Z	-30.133	2.5
72	MP2B	Mx	-.026	2.5
73	MP2C	X	73.904	2.5
74	MP2C	Z	-42.669	2.5
75	MP2C	Mx	0	2.5
76	MP1A	X	247.947	.25
77	MP1A	Z	-143.152	.25
78	MP1A	Mx	-.124	.25
79	MP1A	X	247.947	5.75
80	MP1A	Z	-143.152	5.75
81	MP1A	Mx	-.124	5.75
82	MP1B	X	247.947	.25
83	MP1B	Z	-143.152	.25
84	MP1B	Mx	.124	.25
85	MP1B	X	247.947	5.75
86	MP1B	Z	-143.152	5.75
87	MP1B	Mx	.124	5.75
88	MP1C	X	270.127	.25
89	MP1C	Z	-155.958	.25
90	MP1C	Mx	0	.25
91	MP1C	X	270.127	5.75
92	MP1C	Z	-155.958	5.75
93	MP1C	Mx	0	5.75
94	MP4A	X	247.947	.25
95	MP4A	Z	-143.152	.25
96	MP4A	Mx	-.124	.25
97	MP4A	X	247.947	5.75
98	MP4A	Z	-143.152	5.75
99	MP4A	Mx	-.124	5.75
100	MP4B	X	247.947	.25
101	MP4B	Z	-143.152	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP4B	Mx	.124	.25
103	MP4B	X	247.947	5.75
104	MP4B	Z	-143.152	5.75
105	MP4B	Mx	.124	5.75
106	MP4C	X	270.127	.25
107	MP4C	Z	-155.958	.25
108	MP4C	Mx	0	.25
109	MP4C	X	270.127	5.75
110	MP4C	Z	-155.958	5.75
111	MP4C	Mx	0	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	121.884	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.061	.5
4	MP2A	X	121.884	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.061	5.5
7	MP2B	X	168.745	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.043	.5
10	MP2B	X	168.745	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.043	5.5
13	MP2C	X	168.745	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.127	.5
16	MP2C	X	168.745	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.127	5.5
19	MP2A	X	121.884	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.061	.5
22	MP2A	X	121.884	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.061	5.5
25	MP2B	X	168.745	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.127	.5
28	MP2B	X	168.745	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.127	5.5
31	MP2C	X	168.745	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.043	.5
34	MP2C	X	168.745	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.043	5.5
37	MP3A	X	41.985	2.25
38	MP3A	Z	0	2.25
39	MP3A	Mx	-.021	2.25
40	MP3A	X	41.985	3.75
41	MP3A	Z	0	3.75
42	MP3A	Mx	-.021	3.75
43	MP3B	X	90.928	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3B	Z	0	2.25
45	MP3B	Mx	.023	2.25
46	MP3B	X	90.928	3.75
47	MP3B	Z	0	3.75
48	MP3B	Mx	.023	3.75
49	MP3C	X	90.928	2.25
50	MP3C	Z	0	2.25
51	MP3C	Mx	.023	2.25
52	MP3C	X	90.928	3.75
53	MP3C	Z	0	3.75
54	MP3C	Mx	.023	3.75
55	M101	X	152.335	1.5
56	M101	Z	0	1.5
57	M101	Mx	0	1.5
58	MP1A	X	57.044	2.5
59	MP1A	Z	0	2.5
60	MP1A	Mx	.029	2.5
61	MP1B	X	78.264	2.5
62	MP1B	Z	0	2.5
63	MP1B	Mx	-.02	2.5
64	MP1C	X	78.264	2.5
65	MP1C	Z	0	2.5
66	MP1C	Mx	-.02	2.5
67	MP2A	X	51.91	2.5
68	MP2A	Z	0	2.5
69	MP2A	Mx	.026	2.5
70	MP2B	X	76.981	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	-.019	2.5
73	MP2C	X	76.981	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	-.019	2.5
76	MP1A	X	277.767	.25
77	MP1A	Z	0	.25
78	MP1A	Mx	-.139	.25
79	MP1A	X	277.767	5.75
80	MP1A	Z	0	5.75
81	MP1A	Mx	-.139	5.75
82	MP1B	X	303.378	.25
83	MP1B	Z	0	.25
84	MP1B	Mx	.076	.25
85	MP1B	X	303.378	5.75
86	MP1B	Z	0	5.75
87	MP1B	Mx	.076	5.75
88	MP1C	X	303.378	.25
89	MP1C	Z	0	.25
90	MP1C	Mx	.076	.25
91	MP1C	X	303.378	5.75
92	MP1C	Z	0	5.75
93	MP1C	Mx	.076	5.75
94	MP4A	X	277.767	.25
95	MP4A	Z	0	.25
96	MP4A	Mx	-.139	.25
97	MP4A	X	277.767	5.75
98	MP4A	Z	0	5.75
99	MP4A	Mx	-.139	5.75
100	MP4B	X	303.378	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP4B	Z	0	.25
102	MP4B	Mx	.076	.25
103	MP4B	X	303.378	5.75
104	MP4B	Z	0	5.75
105	MP4B	Mx	.076	5.75
106	MP4C	X	303.378	.25
107	MP4C	Z	0	.25
108	MP4C	Mx	.076	.25
109	MP4C	X	303.378	5.75
110	MP4C	Z	0	5.75
111	MP4C	Mx	.076	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	119.082	.5
2	MP2A	Z	68.752	.5
3	MP2A	Mx	-.019	.5
4	MP2A	X	119.082	5.5
5	MP2A	Z	68.752	5.5
6	MP2A	Mx	-.019	5.5
7	MP2B	X	159.665	.5
8	MP2B	Z	92.183	.5
9	MP2B	Mx	-.108	.5
10	MP2B	X	159.665	5.5
11	MP2B	Z	92.183	5.5
12	MP2B	Mx	-.108	5.5
13	MP2C	X	119.082	.5
14	MP2C	Z	68.752	.5
15	MP2C	Mx	.1	.5
16	MP2C	X	119.082	5.5
17	MP2C	Z	68.752	5.5
18	MP2C	Mx	.1	5.5
19	MP2A	X	119.082	.5
20	MP2A	Z	68.752	.5
21	MP2A	Mx	-.1	.5
22	MP2A	X	119.082	5.5
23	MP2A	Z	68.752	5.5
24	MP2A	Mx	-.1	5.5
25	MP2B	X	159.665	.5
26	MP2B	Z	92.183	.5
27	MP2B	Mx	.108	.5
28	MP2B	X	159.665	5.5
29	MP2B	Z	92.183	5.5
30	MP2B	Mx	.108	5.5
31	MP2C	X	119.082	.5
32	MP2C	Z	68.752	.5
33	MP2C	Mx	.019	.5
34	MP2C	X	119.082	5.5
35	MP2C	Z	68.752	5.5
36	MP2C	Mx	.019	5.5
37	MP3A	X	50.489	2.25
38	MP3A	Z	29.15	2.25
39	MP3A	Mx	-.025	2.25
40	MP3A	X	50.489	3.75
41	MP3A	Z	29.15	3.75
42	MP3A	Mx	-.025	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	92.875	2.25
44	MP3B	Z	53.621	2.25
45	MP3B	Mx	0	2.25
46	MP3B	X	92.875	3.75
47	MP3B	Z	53.621	3.75
48	MP3B	Mx	0	3.75
49	MP3C	X	50.489	2.25
50	MP3C	Z	29.15	2.25
51	MP3C	Mx	.025	2.25
52	MP3C	X	50.489	3.75
53	MP3C	Z	29.15	3.75
54	MP3C	Mx	.025	3.75
55	M101	X	122.417	1.5
56	M101	Z	70.677	1.5
57	M101	Mx	0	1.5
58	MP1A	X	55.527	2.5
59	MP1A	Z	32.059	2.5
60	MP1A	Mx	.028	2.5
61	MP1B	X	73.904	2.5
62	MP1B	Z	42.669	2.5
63	MP1B	Mx	0	2.5
64	MP1C	X	55.527	2.5
65	MP1C	Z	32.059	2.5
66	MP1C	Mx	-.028	2.5
67	MP2A	X	52.193	2.5
68	MP2A	Z	30.133	2.5
69	MP2A	Mx	.026	2.5
70	MP2B	X	73.904	2.5
71	MP2B	Z	42.669	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	52.193	2.5
74	MP2C	Z	30.133	2.5
75	MP2C	Mx	-.026	2.5
76	MP1A	X	247.947	.25
77	MP1A	Z	143.152	.25
78	MP1A	Mx	-.124	.25
79	MP1A	X	247.947	5.75
80	MP1A	Z	143.152	5.75
81	MP1A	Mx	-.124	5.75
82	MP1B	X	270.127	.25
83	MP1B	Z	155.958	.25
84	MP1B	Mx	0	.25
85	MP1B	X	270.127	5.75
86	MP1B	Z	155.958	5.75
87	MP1B	Mx	0	5.75
88	MP1C	X	247.947	.25
89	MP1C	Z	143.152	.25
90	MP1C	Mx	.124	.25
91	MP1C	X	247.947	5.75
92	MP1C	Z	143.152	5.75
93	MP1C	Mx	.124	5.75
94	MP4A	X	247.947	.25
95	MP4A	Z	143.152	.25
96	MP4A	Mx	-.124	.25
97	MP4A	X	247.947	5.75
98	MP4A	Z	143.152	5.75
99	MP4A	Mx	-.124	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	MP4B	X	270.127	.25
101	MP4B	Z	155.958	.25
102	MP4B	Mx	0	.25
103	MP4B	X	270.127	5.75
104	MP4B	Z	155.958	5.75
105	MP4B	Mx	0	5.75
106	MP4C	X	247.947	.25
107	MP4C	Z	143.152	.25
108	MP4C	Mx	.124	.25
109	MP4C	X	247.947	5.75
110	MP4C	Z	143.152	5.75
111	MP4C	Mx	.124	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	84.372	.5
2	MP2A	Z	146.137	.5
3	MP2A	Mx	.043	.5
4	MP2A	X	84.372	5.5
5	MP2A	Z	146.137	5.5
6	MP2A	Mx	.043	5.5
7	MP2B	X	84.372	.5
8	MP2B	Z	146.137	.5
9	MP2B	Mx	-.127	.5
10	MP2B	X	84.372	5.5
11	MP2B	Z	146.137	5.5
12	MP2B	Mx	-.127	5.5
13	MP2C	X	60.942	.5
14	MP2C	Z	105.554	.5
15	MP2C	Mx	.061	.5
16	MP2C	X	60.942	5.5
17	MP2C	Z	105.554	5.5
18	MP2C	Mx	.061	5.5
19	MP2A	X	84.372	.5
20	MP2A	Z	146.137	.5
21	MP2A	Mx	-.127	.5
22	MP2A	X	84.372	5.5
23	MP2A	Z	146.137	5.5
24	MP2A	Mx	-.127	5.5
25	MP2B	X	84.372	.5
26	MP2B	Z	146.137	.5
27	MP2B	Mx	.043	.5
28	MP2B	X	84.372	5.5
29	MP2B	Z	146.137	5.5
30	MP2B	Mx	.043	5.5
31	MP2C	X	60.942	.5
32	MP2C	Z	105.554	.5
33	MP2C	Mx	.061	.5
34	MP2C	X	60.942	5.5
35	MP2C	Z	105.554	5.5
36	MP2C	Mx	.061	5.5
37	MP3A	X	45.464	2.25
38	MP3A	Z	78.746	2.25
39	MP3A	Mx	-.023	2.25
40	MP3A	X	45.464	3.75
41	MP3A	Z	78.746	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP3A	Mx	-.023	3.75
43	MP3B	X	45.464	2.25
44	MP3B	Z	78.746	2.25
45	MP3B	Mx	-.023	2.25
46	MP3B	X	45.464	3.75
47	MP3B	Z	78.746	3.75
48	MP3B	Mx	-.023	3.75
49	MP3C	X	20.993	2.25
50	MP3C	Z	36.36	2.25
51	MP3C	Mx	.021	2.25
52	MP3C	X	20.993	3.75
53	MP3C	Z	36.36	3.75
54	MP3C	Mx	.021	3.75
55	M101	X	76.168	1.5
56	M101	Z	131.926	1.5
57	M101	Mx	0	1.5
58	MP1A	X	39.132	2.5
59	MP1A	Z	67.779	2.5
60	MP1A	Mx	.02	2.5
61	MP1B	X	39.132	2.5
62	MP1B	Z	67.779	2.5
63	MP1B	Mx	.02	2.5
64	MP1C	X	28.522	2.5
65	MP1C	Z	49.401	2.5
66	MP1C	Mx	-.029	2.5
67	MP2A	X	38.49	2.5
68	MP2A	Z	66.667	2.5
69	MP2A	Mx	.019	2.5
70	MP2B	X	38.49	2.5
71	MP2B	Z	66.667	2.5
72	MP2B	Mx	.019	2.5
73	MP2C	X	25.955	2.5
74	MP2C	Z	44.955	2.5
75	MP2C	Mx	-.026	2.5
76	MP1A	X	151.689	.25
77	MP1A	Z	262.733	.25
78	MP1A	Mx	-.076	.25
79	MP1A	X	151.689	5.75
80	MP1A	Z	262.733	5.75
81	MP1A	Mx	-.076	5.75
82	MP1B	X	151.689	.25
83	MP1B	Z	262.733	.25
84	MP1B	Mx	-.076	.25
85	MP1B	X	151.689	5.75
86	MP1B	Z	262.733	5.75
87	MP1B	Mx	-.076	5.75
88	MP1C	X	138.884	.25
89	MP1C	Z	240.554	.25
90	MP1C	Mx	.139	.25
91	MP1C	X	138.884	5.75
92	MP1C	Z	240.554	5.75
93	MP1C	Mx	.139	5.75
94	MP4A	X	151.689	.25
95	MP4A	Z	262.733	.25
96	MP4A	Mx	-.076	.25
97	MP4A	X	151.689	5.75
98	MP4A	Z	262.733	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
99	MP4A	Mx	-.076	5.75
100	MP4B	X	151.689	.25
101	MP4B	Z	262.733	.25
102	MP4B	Mx	-.076	.25
103	MP4B	X	151.689	5.75
104	MP4B	Z	262.733	5.75
105	MP4B	Mx	-.076	5.75
106	MP4C	X	138.884	.25
107	MP4C	Z	240.554	.25
108	MP4C	Mx	.139	.25
109	MP4C	X	138.884	5.75
110	MP4C	Z	240.554	5.75
111	MP4C	Mx	.139	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	184.365	.5
3	MP2A	Mx	.108	.5
4	MP2A	X	0	5.5
5	MP2A	Z	184.365	5.5
6	MP2A	Mx	.108	5.5
7	MP2B	X	0	.5
8	MP2B	Z	137.504	.5
9	MP2B	Mx	-.1	.5
10	MP2B	X	0	5.5
11	MP2B	Z	137.504	5.5
12	MP2B	Mx	-.1	5.5
13	MP2C	X	0	.5
14	MP2C	Z	137.504	.5
15	MP2C	Mx	.019	.5
16	MP2C	X	0	5.5
17	MP2C	Z	137.504	5.5
18	MP2C	Mx	.019	5.5
19	MP2A	X	0	.5
20	MP2A	Z	184.365	.5
21	MP2A	Mx	-.108	.5
22	MP2A	X	0	5.5
23	MP2A	Z	184.365	5.5
24	MP2A	Mx	-.108	5.5
25	MP2B	X	0	.5
26	MP2B	Z	137.504	.5
27	MP2B	Mx	-.019	.5
28	MP2B	X	0	5.5
29	MP2B	Z	137.504	5.5
30	MP2B	Mx	-.019	5.5
31	MP2C	X	0	.5
32	MP2C	Z	137.504	.5
33	MP2C	Mx	.1	.5
34	MP2C	X	0	5.5
35	MP2C	Z	137.504	5.5
36	MP2C	Mx	.1	5.5
37	MP3A	X	0	2.25
38	MP3A	Z	107.242	2.25
39	MP3A	Mx	0	2.25
40	MP3A	X	0	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	107.242	3.75
42	MP3A	Mx	0	3.75
43	MP3B	X	0	2.25
44	MP3B	Z	58.299	2.25
45	MP3B	Mx	-.025	2.25
46	MP3B	X	0	3.75
47	MP3B	Z	58.299	3.75
48	MP3B	Mx	-.025	3.75
49	MP3C	X	0	2.25
50	MP3C	Z	58.299	2.25
51	MP3C	Mx	.025	2.25
52	MP3C	X	0	3.75
53	MP3C	Z	58.299	3.75
54	MP3C	Mx	.025	3.75
55	M101	X	0	1.5
56	M101	Z	174.297	1.5
57	M101	Mx	0	1.5
58	MP1A	X	0	2.5
59	MP1A	Z	85.337	2.5
60	MP1A	Mx	0	2.5
61	MP1B	X	0	2.5
62	MP1B	Z	64.117	2.5
63	MP1B	Mx	.028	2.5
64	MP1C	X	0	2.5
65	MP1C	Z	64.117	2.5
66	MP1C	Mx	-.028	2.5
67	MP2A	X	0	2.5
68	MP2A	Z	85.337	2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	60.267	2.5
72	MP2B	Mx	.026	2.5
73	MP2C	X	0	2.5
74	MP2C	Z	60.267	2.5
75	MP2C	Mx	-.026	2.5
76	MP1A	X	0	.25
77	MP1A	Z	311.915	.25
78	MP1A	Mx	0	.25
79	MP1A	X	0	5.75
80	MP1A	Z	311.915	5.75
81	MP1A	Mx	0	5.75
82	MP1B	X	0	.25
83	MP1B	Z	286.304	.25
84	MP1B	Mx	-.124	.25
85	MP1B	X	0	5.75
86	MP1B	Z	286.304	5.75
87	MP1B	Mx	-.124	5.75
88	MP1C	X	0	.25
89	MP1C	Z	286.304	.25
90	MP1C	Mx	.124	.25
91	MP1C	X	0	5.75
92	MP1C	Z	286.304	5.75
93	MP1C	Mx	.124	5.75
94	MP4A	X	0	.25
95	MP4A	Z	311.915	.25
96	MP4A	Mx	0	.25
97	MP4A	X	0	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP4A	Z	311.915	5.75
99	MP4A	Mx	0	5.75
100	MP4B	X	0	.25
101	MP4B	Z	286.304	.25
102	MP4B	Mx	-.124	.25
103	MP4B	X	0	5.75
104	MP4B	Z	286.304	5.75
105	MP4B	Mx	-.124	5.75
106	MP4C	X	0	.25
107	MP4C	Z	286.304	.25
108	MP4C	Mx	.124	.25
109	MP4C	X	0	5.75
110	MP4C	Z	286.304	5.75
111	MP4C	Mx	.124	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-84.372	.5
2	MP2A	Z	146.137	.5
3	MP2A	Mx	.127	.5
4	MP2A	X	-84.372	5.5
5	MP2A	Z	146.137	5.5
6	MP2A	Mx	.127	5.5
7	MP2B	X	-60.942	.5
8	MP2B	Z	105.554	.5
9	MP2B	Mx	-.061	.5
10	MP2B	X	-60.942	5.5
11	MP2B	Z	105.554	5.5
12	MP2B	Mx	-.061	5.5
13	MP2C	X	-84.372	.5
14	MP2C	Z	146.137	.5
15	MP2C	Mx	-.043	.5
16	MP2C	X	-84.372	5.5
17	MP2C	Z	146.137	5.5
18	MP2C	Mx	-.043	5.5
19	MP2A	X	-84.372	.5
20	MP2A	Z	146.137	.5
21	MP2A	Mx	-.043	.5
22	MP2A	X	-84.372	5.5
23	MP2A	Z	146.137	5.5
24	MP2A	Mx	-.043	5.5
25	MP2B	X	-60.942	.5
26	MP2B	Z	105.554	.5
27	MP2B	Mx	-.061	.5
28	MP2B	X	-60.942	5.5
29	MP2B	Z	105.554	5.5
30	MP2B	Mx	-.061	5.5
31	MP2C	X	-84.372	.5
32	MP2C	Z	146.137	.5
33	MP2C	Mx	.127	.5
34	MP2C	X	-84.372	5.5
35	MP2C	Z	146.137	5.5
36	MP2C	Mx	.127	5.5
37	MP3A	X	-45.464	2.25
38	MP3A	Z	78.746	2.25
39	MP3A	Mx	.023	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP3A	X	-45.464	3.75
41	MP3A	Z	78.746	3.75
42	MP3A	Mx	.023	3.75
43	MP3B	X	-20.993	2.25
44	MP3B	Z	36.36	2.25
45	MP3B	Mx	-.021	2.25
46	MP3B	X	-20.993	3.75
47	MP3B	Z	36.36	3.75
48	MP3B	Mx	-.021	3.75
49	MP3C	X	-45.464	2.25
50	MP3C	Z	78.746	2.25
51	MP3C	Mx	.023	2.25
52	MP3C	X	-45.464	3.75
53	MP3C	Z	78.746	3.75
54	MP3C	Mx	.023	3.75
55	M101	X	-92.639	1.5
56	M101	Z	160.456	1.5
57	M101	Mx	0	1.5
58	MP1A	X	-39.132	2.5
59	MP1A	Z	67.779	2.5
60	MP1A	Mx	-.02	2.5
61	MP1B	X	-28.522	2.5
62	MP1B	Z	49.401	2.5
63	MP1B	Mx	.029	2.5
64	MP1C	X	-39.132	2.5
65	MP1C	Z	67.779	2.5
66	MP1C	Mx	-.02	2.5
67	MP2A	X	-38.49	2.5
68	MP2A	Z	66.667	2.5
69	MP2A	Mx	-.019	2.5
70	MP2B	X	-25.955	2.5
71	MP2B	Z	44.955	2.5
72	MP2B	Mx	.026	2.5
73	MP2C	X	-38.49	2.5
74	MP2C	Z	66.667	2.5
75	MP2C	Mx	-.019	2.5
76	MP1A	X	-151.689	.25
77	MP1A	Z	262.733	.25
78	MP1A	Mx	.076	.25
79	MP1A	X	-151.689	5.75
80	MP1A	Z	262.733	5.75
81	MP1A	Mx	.076	5.75
82	MP1B	X	-138.884	.25
83	MP1B	Z	240.554	.25
84	MP1B	Mx	-.139	.25
85	MP1B	X	-138.884	5.75
86	MP1B	Z	240.554	5.75
87	MP1B	Mx	-.139	5.75
88	MP1C	X	-151.689	.25
89	MP1C	Z	262.733	.25
90	MP1C	Mx	.076	.25
91	MP1C	X	-151.689	5.75
92	MP1C	Z	262.733	5.75
93	MP1C	Mx	.076	5.75
94	MP4A	X	-151.689	.25
95	MP4A	Z	262.733	.25
96	MP4A	Mx	.076	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP4A	X	-151.689	5.75
98	MP4A	Z	262.733	5.75
99	MP4A	Mx	.076	5.75
100	MP4B	X	-138.884	.25
101	MP4B	Z	240.554	.25
102	MP4B	Mx	-.139	.25
103	MP4B	X	-138.884	5.75
104	MP4B	Z	240.554	5.75
105	MP4B	Mx	-.139	5.75
106	MP4C	X	-151.689	.25
107	MP4C	Z	262.733	.25
108	MP4C	Mx	.076	.25
109	MP4C	X	-151.689	5.75
110	MP4C	Z	262.733	5.75
111	MP4C	Mx	.076	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-119.082	.5
2	MP2A	Z	68.752	.5
3	MP2A	Mx	.1	.5
4	MP2A	X	-119.082	5.5
5	MP2A	Z	68.752	5.5
6	MP2A	Mx	.1	5.5
7	MP2B	X	-119.082	.5
8	MP2B	Z	68.752	.5
9	MP2B	Mx	-.019	.5
10	MP2B	X	-119.082	5.5
11	MP2B	Z	68.752	5.5
12	MP2B	Mx	-.019	5.5
13	MP2C	X	-159.665	.5
14	MP2C	Z	92.183	.5
15	MP2C	Mx	-.108	.5
16	MP2C	X	-159.665	5.5
17	MP2C	Z	92.183	5.5
18	MP2C	Mx	-.108	5.5
19	MP2A	X	-119.082	.5
20	MP2A	Z	68.752	.5
21	MP2A	Mx	.019	.5
22	MP2A	X	-119.082	5.5
23	MP2A	Z	68.752	5.5
24	MP2A	Mx	.019	5.5
25	MP2B	X	-119.082	.5
26	MP2B	Z	68.752	.5
27	MP2B	Mx	-.1	.5
28	MP2B	X	-119.082	5.5
29	MP2B	Z	68.752	5.5
30	MP2B	Mx	-.1	5.5
31	MP2C	X	-159.665	.5
32	MP2C	Z	92.183	.5
33	MP2C	Mx	.108	.5
34	MP2C	X	-159.665	5.5
35	MP2C	Z	92.183	5.5
36	MP2C	Mx	.108	5.5
37	MP3A	X	-50.489	2.25
38	MP3A	Z	29.15	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3A	Mx	.025	2.25
40	MP3A	X	-50.489	3.75
41	MP3A	Z	29.15	3.75
42	MP3A	Mx	.025	3.75
43	MP3B	X	-50.489	2.25
44	MP3B	Z	29.15	2.25
45	MP3B	Mx	-.025	2.25
46	MP3B	X	-50.489	3.75
47	MP3B	Z	29.15	3.75
48	MP3B	Mx	-.025	3.75
49	MP3C	X	-92.875	2.25
50	MP3C	Z	53.621	2.25
51	MP3C	Mx	0	2.25
52	MP3C	X	-92.875	3.75
53	MP3C	Z	53.621	3.75
54	MP3C	Mx	0	3.75
55	M101	X	-150.946	1.5
56	M101	Z	87.149	1.5
57	M101	Mx	0	1.5
58	MP1A	X	-55.527	2.5
59	MP1A	Z	32.059	2.5
60	MP1A	Mx	-.028	2.5
61	MP1B	X	-55.527	2.5
62	MP1B	Z	32.059	2.5
63	MP1B	Mx	.028	2.5
64	MP1C	X	-73.904	2.5
65	MP1C	Z	42.669	2.5
66	MP1C	Mx	0	2.5
67	MP2A	X	-52.193	2.5
68	MP2A	Z	30.133	2.5
69	MP2A	Mx	-.026	2.5
70	MP2B	X	-52.193	2.5
71	MP2B	Z	30.133	2.5
72	MP2B	Mx	.026	2.5
73	MP2C	X	-73.904	2.5
74	MP2C	Z	42.669	2.5
75	MP2C	Mx	0	2.5
76	MP1A	X	-247.947	.25
77	MP1A	Z	143.152	.25
78	MP1A	Mx	.124	.25
79	MP1A	X	-247.947	5.75
80	MP1A	Z	143.152	5.75
81	MP1A	Mx	.124	5.75
82	MP1B	X	-247.947	.25
83	MP1B	Z	143.152	.25
84	MP1B	Mx	-.124	.25
85	MP1B	X	-247.947	5.75
86	MP1B	Z	143.152	5.75
87	MP1B	Mx	-.124	5.75
88	MP1C	X	-270.127	.25
89	MP1C	Z	155.958	.25
90	MP1C	Mx	0	.25
91	MP1C	X	-270.127	5.75
92	MP1C	Z	155.958	5.75
93	MP1C	Mx	0	5.75
94	MP4A	X	-247.947	.25
95	MP4A	Z	143.152	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP4A	Mx	.124	.25
97	MP4A	X	-247.947	5.75
98	MP4A	Z	143.152	5.75
99	MP4A	Mx	.124	5.75
100	MP4B	X	-247.947	.25
101	MP4B	Z	143.152	.25
102	MP4B	Mx	-.124	.25
103	MP4B	X	-247.947	5.75
104	MP4B	Z	143.152	5.75
105	MP4B	Mx	-.124	5.75
106	MP4C	X	-270.127	.25
107	MP4C	Z	155.958	.25
108	MP4C	Mx	0	.25
109	MP4C	X	-270.127	5.75
110	MP4C	Z	155.958	5.75
111	MP4C	Mx	0	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-121.884	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.061	.5
4	MP2A	X	-121.884	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.061	5.5
7	MP2B	X	-168.745	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.043	.5
10	MP2B	X	-168.745	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.043	5.5
13	MP2C	X	-168.745	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.127	.5
16	MP2C	X	-168.745	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-.127	5.5
19	MP2A	X	-121.884	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.061	.5
22	MP2A	X	-121.884	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.061	5.5
25	MP2B	X	-168.745	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.127	.5
28	MP2B	X	-168.745	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.127	5.5
31	MP2C	X	-168.745	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.043	.5
34	MP2C	X	-168.745	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.043	5.5
37	MP3A	X	-41.985	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP3A	Z	0	2.25
39	MP3A	Mx	.021	2.25
40	MP3A	X	-41.985	3.75
41	MP3A	Z	0	3.75
42	MP3A	Mx	.021	3.75
43	MP3B	X	-90.928	2.25
44	MP3B	Z	0	2.25
45	MP3B	Mx	-.023	2.25
46	MP3B	X	-90.928	3.75
47	MP3B	Z	0	3.75
48	MP3B	Mx	-.023	3.75
49	MP3C	X	-90.928	2.25
50	MP3C	Z	0	2.25
51	MP3C	Mx	-.023	2.25
52	MP3C	X	-90.928	3.75
53	MP3C	Z	0	3.75
54	MP3C	Mx	-.023	3.75
55	M101	X	-152.335	1.5
56	M101	Z	0	1.5
57	M101	Mx	0	1.5
58	MP1A	X	-57.044	2.5
59	MP1A	Z	0	2.5
60	MP1A	Mx	-.029	2.5
61	MP1B	X	-78.264	2.5
62	MP1B	Z	0	2.5
63	MP1B	Mx	.02	2.5
64	MP1C	X	-78.264	2.5
65	MP1C	Z	0	2.5
66	MP1C	Mx	.02	2.5
67	MP2A	X	-51.91	2.5
68	MP2A	Z	0	2.5
69	MP2A	Mx	-.026	2.5
70	MP2B	X	-76.981	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	.019	2.5
73	MP2C	X	-76.981	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	.019	2.5
76	MP1A	X	-277.767	.25
77	MP1A	Z	0	.25
78	MP1A	Mx	.139	.25
79	MP1A	X	-277.767	5.75
80	MP1A	Z	0	5.75
81	MP1A	Mx	.139	5.75
82	MP1B	X	-303.378	.25
83	MP1B	Z	0	.25
84	MP1B	Mx	-.076	.25
85	MP1B	X	-303.378	5.75
86	MP1B	Z	0	5.75
87	MP1B	Mx	-.076	5.75
88	MP1C	X	-303.378	.25
89	MP1C	Z	0	.25
90	MP1C	Mx	-.076	.25
91	MP1C	X	-303.378	5.75
92	MP1C	Z	0	5.75
93	MP1C	Mx	-.076	5.75
94	MP4A	X	-277.767	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP4A	Z	0	.25
96	MP4A	Mx	.139	.25
97	MP4A	X	-277.767	5.75
98	MP4A	Z	0	5.75
99	MP4A	Mx	.139	5.75
100	MP4B	X	-303.378	.25
101	MP4B	Z	0	.25
102	MP4B	Mx	-.076	.25
103	MP4B	X	-303.378	5.75
104	MP4B	Z	0	5.75
105	MP4B	Mx	-.076	5.75
106	MP4C	X	-303.378	.25
107	MP4C	Z	0	.25
108	MP4C	Mx	-.076	.25
109	MP4C	X	-303.378	5.75
110	MP4C	Z	0	5.75
111	MP4C	Mx	-.076	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-119.082	.5
2	MP2A	Z	-68.752	.5
3	MP2A	Mx	.019	.5
4	MP2A	X	-119.082	5.5
5	MP2A	Z	-68.752	5.5
6	MP2A	Mx	.019	5.5
7	MP2B	X	-159.665	.5
8	MP2B	Z	-92.183	.5
9	MP2B	Mx	.108	.5
10	MP2B	X	-159.665	5.5
11	MP2B	Z	-92.183	5.5
12	MP2B	Mx	.108	5.5
13	MP2C	X	-119.082	.5
14	MP2C	Z	-68.752	.5
15	MP2C	Mx	-.1	.5
16	MP2C	X	-119.082	5.5
17	MP2C	Z	-68.752	5.5
18	MP2C	Mx	-.1	5.5
19	MP2A	X	-119.082	.5
20	MP2A	Z	-68.752	.5
21	MP2A	Mx	.1	.5
22	MP2A	X	-119.082	5.5
23	MP2A	Z	-68.752	5.5
24	MP2A	Mx	.1	5.5
25	MP2B	X	-159.665	.5
26	MP2B	Z	-92.183	.5
27	MP2B	Mx	-.108	.5
28	MP2B	X	-159.665	5.5
29	MP2B	Z	-92.183	5.5
30	MP2B	Mx	-.108	5.5
31	MP2C	X	-119.082	.5
32	MP2C	Z	-68.752	.5
33	MP2C	Mx	-.019	.5
34	MP2C	X	-119.082	5.5
35	MP2C	Z	-68.752	5.5
36	MP2C	Mx	-.019	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	-50.489	2.25
38	MP3A	Z	-29.15	2.25
39	MP3A	Mx	.025	2.25
40	MP3A	X	-50.489	3.75
41	MP3A	Z	-29.15	3.75
42	MP3A	Mx	.025	3.75
43	MP3B	X	-92.875	2.25
44	MP3B	Z	-53.621	2.25
45	MP3B	Mx	0	2.25
46	MP3B	X	-92.875	3.75
47	MP3B	Z	-53.621	3.75
48	MP3B	Mx	0	3.75
49	MP3C	X	-50.489	2.25
50	MP3C	Z	-29.15	2.25
51	MP3C	Mx	-.025	2.25
52	MP3C	X	-50.489	3.75
53	MP3C	Z	-29.15	3.75
54	MP3C	Mx	-.025	3.75
55	M101	X	-122.417	1.5
56	M101	Z	-70.677	1.5
57	M101	Mx	0	1.5
58	MP1A	X	-55.527	2.5
59	MP1A	Z	-32.059	2.5
60	MP1A	Mx	-.028	2.5
61	MP1B	X	-73.904	2.5
62	MP1B	Z	-42.669	2.5
63	MP1B	Mx	0	2.5
64	MP1C	X	-55.527	2.5
65	MP1C	Z	-32.059	2.5
66	MP1C	Mx	.028	2.5
67	MP2A	X	-52.193	2.5
68	MP2A	Z	-30.133	2.5
69	MP2A	Mx	-.026	2.5
70	MP2B	X	-73.904	2.5
71	MP2B	Z	-42.669	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	-52.193	2.5
74	MP2C	Z	-30.133	2.5
75	MP2C	Mx	.026	2.5
76	MP1A	X	-247.947	.25
77	MP1A	Z	-143.152	.25
78	MP1A	Mx	.124	.25
79	MP1A	X	-247.947	5.75
80	MP1A	Z	-143.152	5.75
81	MP1A	Mx	.124	5.75
82	MP1B	X	-270.127	.25
83	MP1B	Z	-155.958	.25
84	MP1B	Mx	0	.25
85	MP1B	X	-270.127	5.75
86	MP1B	Z	-155.958	5.75
87	MP1B	Mx	0	5.75
88	MP1C	X	-247.947	.25
89	MP1C	Z	-143.152	.25
90	MP1C	Mx	-.124	.25
91	MP1C	X	-247.947	5.75
92	MP1C	Z	-143.152	5.75
93	MP1C	Mx	-.124	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP4A	X	-247.947	.25
95	MP4A	Z	-143.152	.25
96	MP4A	Mx	.124	.25
97	MP4A	X	-247.947	5.75
98	MP4A	Z	-143.152	5.75
99	MP4A	Mx	.124	5.75
100	MP4B	X	-270.127	.25
101	MP4B	Z	-155.958	.25
102	MP4B	Mx	0	.25
103	MP4B	X	-270.127	5.75
104	MP4B	Z	-155.958	5.75
105	MP4B	Mx	0	5.75
106	MP4C	X	-247.947	.25
107	MP4C	Z	-143.152	.25
108	MP4C	Mx	-.124	.25
109	MP4C	X	-247.947	5.75
110	MP4C	Z	-143.152	5.75
111	MP4C	Mx	-.124	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-84.372	.5
2	MP2A	Z	-146.137	.5
3	MP2A	Mx	-.043	.5
4	MP2A	X	-84.372	5.5
5	MP2A	Z	-146.137	5.5
6	MP2A	Mx	-.043	5.5
7	MP2B	X	-84.372	.5
8	MP2B	Z	-146.137	.5
9	MP2B	Mx	.127	.5
10	MP2B	X	-84.372	5.5
11	MP2B	Z	-146.137	5.5
12	MP2B	Mx	.127	5.5
13	MP2C	X	-60.942	.5
14	MP2C	Z	-105.554	.5
15	MP2C	Mx	-.061	.5
16	MP2C	X	-60.942	5.5
17	MP2C	Z	-105.554	5.5
18	MP2C	Mx	-.061	5.5
19	MP2A	X	-84.372	.5
20	MP2A	Z	-146.137	.5
21	MP2A	Mx	.127	.5
22	MP2A	X	-84.372	5.5
23	MP2A	Z	-146.137	5.5
24	MP2A	Mx	.127	5.5
25	MP2B	X	-84.372	.5
26	MP2B	Z	-146.137	.5
27	MP2B	Mx	-.043	.5
28	MP2B	X	-84.372	5.5
29	MP2B	Z	-146.137	5.5
30	MP2B	Mx	-.043	5.5
31	MP2C	X	-60.942	.5
32	MP2C	Z	-105.554	.5
33	MP2C	Mx	-.061	.5
34	MP2C	X	-60.942	5.5
35	MP2C	Z	-105.554	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	-.061	5.5
37	MP3A	X	-45.464	2.25
38	MP3A	Z	-78.746	2.25
39	MP3A	Mx	.023	2.25
40	MP3A	X	-45.464	3.75
41	MP3A	Z	-78.746	3.75
42	MP3A	Mx	.023	3.75
43	MP3B	X	-45.464	2.25
44	MP3B	Z	-78.746	2.25
45	MP3B	Mx	.023	2.25
46	MP3B	X	-45.464	3.75
47	MP3B	Z	-78.746	3.75
48	MP3B	Mx	.023	3.75
49	MP3C	X	-20.993	2.25
50	MP3C	Z	-36.36	2.25
51	MP3C	Mx	-.021	2.25
52	MP3C	X	-20.993	3.75
53	MP3C	Z	-36.36	3.75
54	MP3C	Mx	-.021	3.75
55	M101	X	-76.168	1.5
56	M101	Z	-131.926	1.5
57	M101	Mx	0	1.5
58	MP1A	X	-39.132	2.5
59	MP1A	Z	-67.779	2.5
60	MP1A	Mx	-.02	2.5
61	MP1B	X	-39.132	2.5
62	MP1B	Z	-67.779	2.5
63	MP1B	Mx	-.02	2.5
64	MP1C	X	-28.522	2.5
65	MP1C	Z	-49.401	2.5
66	MP1C	Mx	.029	2.5
67	MP2A	X	-38.49	2.5
68	MP2A	Z	-66.667	2.5
69	MP2A	Mx	-.019	2.5
70	MP2B	X	-38.49	2.5
71	MP2B	Z	-66.667	2.5
72	MP2B	Mx	-.019	2.5
73	MP2C	X	-25.955	2.5
74	MP2C	Z	-44.955	2.5
75	MP2C	Mx	.026	2.5
76	MP1A	X	-151.689	.25
77	MP1A	Z	-262.733	.25
78	MP1A	Mx	.076	.25
79	MP1A	X	-151.689	5.75
80	MP1A	Z	-262.733	5.75
81	MP1A	Mx	.076	5.75
82	MP1B	X	-151.689	.25
83	MP1B	Z	-262.733	.25
84	MP1B	Mx	.076	.25
85	MP1B	X	-151.689	5.75
86	MP1B	Z	-262.733	5.75
87	MP1B	Mx	.076	5.75
88	MP1C	X	-138.884	.25
89	MP1C	Z	-240.554	.25
90	MP1C	Mx	-.139	.25
91	MP1C	X	-138.884	5.75
92	MP1C	Z	-240.554	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP1C	Mx	-.139	5.75
94	MP4A	X	-151.689	.25
95	MP4A	Z	-262.733	.25
96	MP4A	Mx	.076	.25
97	MP4A	X	-151.689	5.75
98	MP4A	Z	-262.733	5.75
99	MP4A	Mx	.076	5.75
100	MP4B	X	-151.689	.25
101	MP4B	Z	-262.733	.25
102	MP4B	Mx	.076	.25
103	MP4B	X	-151.689	5.75
104	MP4B	Z	-262.733	5.75
105	MP4B	Mx	.076	5.75
106	MP4C	X	-138.884	.25
107	MP4C	Z	-240.554	.25
108	MP4C	Mx	-.139	.25
109	MP4C	X	-138.884	5.75
110	MP4C	Z	-240.554	5.75
111	MP4C	Mx	-.139	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-34.244	.5
3	MP2A	Mx	-.02	.5
4	MP2A	X	0	5.5
5	MP2A	Z	-34.244	5.5
6	MP2A	Mx	-.02	5.5
7	MP2B	X	0	.5
8	MP2B	Z	-26.289	.5
9	MP2B	Mx	.019	.5
10	MP2B	X	0	5.5
11	MP2B	Z	-26.289	5.5
12	MP2B	Mx	.019	5.5
13	MP2C	X	0	.5
14	MP2C	Z	-26.289	.5
15	MP2C	Mx	-.004	.5
16	MP2C	X	0	5.5
17	MP2C	Z	-26.289	5.5
18	MP2C	Mx	-.004	5.5
19	MP2A	X	0	.5
20	MP2A	Z	-34.244	.5
21	MP2A	Mx	.02	.5
22	MP2A	X	0	5.5
23	MP2A	Z	-34.244	5.5
24	MP2A	Mx	.02	5.5
25	MP2B	X	0	.5
26	MP2B	Z	-26.289	.5
27	MP2B	Mx	.004	.5
28	MP2B	X	0	5.5
29	MP2B	Z	-26.289	5.5
30	MP2B	Mx	.004	5.5
31	MP2C	X	0	.5
32	MP2C	Z	-26.289	.5
33	MP2C	Mx	-.019	.5
34	MP2C	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	-26.289	5.5
36	MP2C	Mx	-.019	5.5
37	MP3A	X	0	2.25
38	MP3A	Z	-20.409	2.25
39	MP3A	Mx	0	2.25
40	MP3A	X	0	3.75
41	MP3A	Z	-20.409	3.75
42	MP3A	Mx	0	3.75
43	MP3B	X	0	2.25
44	MP3B	Z	-11.637	2.25
45	MP3B	Mx	.005	2.25
46	MP3B	X	0	3.75
47	MP3B	Z	-11.637	3.75
48	MP3B	Mx	.005	3.75
49	MP3C	X	0	2.25
50	MP3C	Z	-11.637	2.25
51	MP3C	Mx	-.005	2.25
52	MP3C	X	0	3.75
53	MP3C	Z	-11.637	3.75
54	MP3C	Mx	-.005	3.75
55	M101	X	0	1.5
56	M101	Z	-33.432	1.5
57	M101	Mx	0	1.5
58	MP1A	X	0	2.5
59	MP1A	Z	-17.225	2.5
60	MP1A	Mx	0	2.5
61	MP1B	X	0	2.5
62	MP1B	Z	-13.302	2.5
63	MP1B	Mx	-.006	2.5
64	MP1C	X	0	2.5
65	MP1C	Z	-13.302	2.5
66	MP1C	Mx	.006	2.5
67	MP2A	X	0	2.5
68	MP2A	Z	-17.225	2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	-12.595	2.5
72	MP2B	Mx	-.005	2.5
73	MP2C	X	0	2.5
74	MP2C	Z	-12.595	2.5
75	MP2C	Mx	.005	2.5
76	MP1A	X	0	.25
77	MP1A	Z	-56.41	.25
78	MP1A	Mx	0	.25
79	MP1A	X	0	5.75
80	MP1A	Z	-56.41	5.75
81	MP1A	Mx	0	5.75
82	MP1B	X	0	.25
83	MP1B	Z	-52.17	.25
84	MP1B	Mx	.023	.25
85	MP1B	X	0	5.75
86	MP1B	Z	-52.17	5.75
87	MP1B	Mx	.023	5.75
88	MP1C	X	0	.25
89	MP1C	Z	-52.17	.25
90	MP1C	Mx	-.023	.25
91	MP1C	X	0	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1C	Z	-52.17	5.75
93	MP1C	Mx	-.023	5.75
94	MP4A	X	0	.25
95	MP4A	Z	-56.41	.25
96	MP4A	Mx	0	.25
97	MP4A	X	0	5.75
98	MP4A	Z	-56.41	5.75
99	MP4A	Mx	0	5.75
100	MP4B	X	0	.25
101	MP4B	Z	-52.17	.25
102	MP4B	Mx	.023	.25
103	MP4B	X	0	5.75
104	MP4B	Z	-52.17	5.75
105	MP4B	Mx	.023	5.75
106	MP4C	X	0	.25
107	MP4C	Z	-52.17	.25
108	MP4C	Mx	-.023	.25
109	MP4C	X	0	5.75
110	MP4C	Z	-52.17	5.75
111	MP4C	Mx	-.023	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	15.796	.5
2	MP2A	Z	-27.36	.5
3	MP2A	Mx	-.024	.5
4	MP2A	X	15.796	5.5
5	MP2A	Z	-27.36	5.5
6	MP2A	Mx	-.024	5.5
7	MP2B	X	11.819	.5
8	MP2B	Z	-20.471	.5
9	MP2B	Mx	.012	.5
10	MP2B	X	11.819	5.5
11	MP2B	Z	-20.471	5.5
12	MP2B	Mx	.012	5.5
13	MP2C	X	15.796	.5
14	MP2C	Z	-27.36	.5
15	MP2C	Mx	.008	.5
16	MP2C	X	15.796	5.5
17	MP2C	Z	-27.36	5.5
18	MP2C	Mx	.008	5.5
19	MP2A	X	15.796	.5
20	MP2A	Z	-27.36	.5
21	MP2A	Mx	.008	.5
22	MP2A	X	15.796	5.5
23	MP2A	Z	-27.36	5.5
24	MP2A	Mx	.008	5.5
25	MP2B	X	11.819	.5
26	MP2B	Z	-20.471	.5
27	MP2B	Mx	.012	.5
28	MP2B	X	11.819	5.5
29	MP2B	Z	-20.471	5.5
30	MP2B	Mx	.012	5.5
31	MP2C	X	15.796	.5
32	MP2C	Z	-27.36	.5
33	MP2C	Mx	-.024	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2C	X	15.796	5.5
35	MP2C	Z	-27.36	5.5
36	MP2C	Mx	-.024	5.5
37	MP3A	X	8.743	2.25
38	MP3A	Z	-15.143	2.25
39	MP3A	Mx	-.004	2.25
40	MP3A	X	8.743	3.75
41	MP3A	Z	-15.143	3.75
42	MP3A	Mx	-.004	3.75
43	MP3B	X	4.356	2.25
44	MP3B	Z	-7.545	2.25
45	MP3B	Mx	.004	2.25
46	MP3B	X	4.356	3.75
47	MP3B	Z	-7.545	3.75
48	MP3B	Mx	.004	3.75
49	MP3C	X	8.743	2.25
50	MP3C	Z	-15.143	2.25
51	MP3C	Mx	-.004	2.25
52	MP3C	X	8.743	3.75
53	MP3C	Z	-15.143	3.75
54	MP3C	Mx	-.004	3.75
55	M101	X	17.678	1.5
56	M101	Z	-30.618	1.5
57	M101	Mx	0	1.5
58	MP1A	X	7.959	2.5
59	MP1A	Z	-13.785	2.5
60	MP1A	Mx	.004	2.5
61	MP1B	X	5.997	2.5
62	MP1B	Z	-10.387	2.5
63	MP1B	Mx	-.006	2.5
64	MP1C	X	7.959	2.5
65	MP1C	Z	-13.785	2.5
66	MP1C	Mx	.004	2.5
67	MP2A	X	7.841	2.5
68	MP2A	Z	-13.581	2.5
69	MP2A	Mx	.004	2.5
70	MP2B	X	5.526	2.5
71	MP2B	Z	-9.571	2.5
72	MP2B	Mx	-.006	2.5
73	MP2C	X	7.841	2.5
74	MP2C	Z	-13.581	2.5
75	MP2C	Mx	.004	2.5
76	MP1A	X	27.498	.25
77	MP1A	Z	-47.628	.25
78	MP1A	Mx	-.014	.25
79	MP1A	X	27.498	5.75
80	MP1A	Z	-47.628	5.75
81	MP1A	Mx	-.014	5.75
82	MP1B	X	25.379	.25
83	MP1B	Z	-43.957	.25
84	MP1B	Mx	.025	.25
85	MP1B	X	25.379	5.75
86	MP1B	Z	-43.957	5.75
87	MP1B	Mx	.025	5.75
88	MP1C	X	27.498	.25
89	MP1C	Z	-47.628	.25
90	MP1C	Mx	-.014	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP1C	X	27.498	5.75
92	MP1C	Z	-47.628	5.75
93	MP1C	Mx	-.014	5.75
94	MP4A	X	27.498	.25
95	MP4A	Z	-47.628	.25
96	MP4A	Mx	-.014	.25
97	MP4A	X	27.498	5.75
98	MP4A	Z	-47.628	5.75
99	MP4A	Mx	-.014	5.75
100	MP4B	X	25.379	.25
101	MP4B	Z	-43.957	.25
102	MP4B	Mx	.025	.25
103	MP4B	X	25.379	5.75
104	MP4B	Z	-43.957	5.75
105	MP4B	Mx	.025	5.75
106	MP4C	X	27.498	.25
107	MP4C	Z	-47.628	.25
108	MP4C	Mx	-.014	.25
109	MP4C	X	27.498	5.75
110	MP4C	Z	-47.628	5.75
111	MP4C	Mx	-.014	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	22.767	.5
2	MP2A	Z	-13.144	.5
3	MP2A	Mx	-.019	.5
4	MP2A	X	22.767	5.5
5	MP2A	Z	-13.144	5.5
6	MP2A	Mx	-.019	5.5
7	MP2B	X	22.767	.5
8	MP2B	Z	-13.144	.5
9	MP2B	Mx	.004	.5
10	MP2B	X	22.767	5.5
11	MP2B	Z	-13.144	5.5
12	MP2B	Mx	.004	5.5
13	MP2C	X	29.656	.5
14	MP2C	Z	-17.122	.5
15	MP2C	Mx	.02	.5
16	MP2C	X	29.656	5.5
17	MP2C	Z	-17.122	5.5
18	MP2C	Mx	.02	5.5
19	MP2A	X	22.767	.5
20	MP2A	Z	-13.144	.5
21	MP2A	Mx	-.004	.5
22	MP2A	X	22.767	5.5
23	MP2A	Z	-13.144	5.5
24	MP2A	Mx	-.004	5.5
25	MP2B	X	22.767	.5
26	MP2B	Z	-13.144	.5
27	MP2B	Mx	.019	.5
28	MP2B	X	22.767	5.5
29	MP2B	Z	-13.144	5.5
30	MP2B	Mx	.019	5.5
31	MP2C	X	29.656	.5
32	MP2C	Z	-17.122	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	-.02	.5
34	MP2C	X	29.656	5.5
35	MP2C	Z	-17.122	5.5
36	MP2C	Mx	-.02	5.5
37	MP3A	X	10.078	2.25
38	MP3A	Z	-5.818	2.25
39	MP3A	Mx	-.005	2.25
40	MP3A	X	10.078	3.75
41	MP3A	Z	-5.818	3.75
42	MP3A	Mx	-.005	3.75
43	MP3B	X	10.078	2.25
44	MP3B	Z	-5.818	2.25
45	MP3B	Mx	.005	2.25
46	MP3B	X	10.078	3.75
47	MP3B	Z	-5.818	3.75
48	MP3B	Mx	.005	3.75
49	MP3C	X	17.675	2.25
50	MP3C	Z	-10.205	2.25
51	MP3C	Mx	0	2.25
52	MP3C	X	17.675	3.75
53	MP3C	Z	-10.205	3.75
54	MP3C	Mx	0	3.75
55	M101	X	28.953	1.5
56	M101	Z	-16.716	1.5
57	M101	Mx	0	1.5
58	MP1A	X	11.52	2.5
59	MP1A	Z	-6.651	2.5
60	MP1A	Mx	.006	2.5
61	MP1B	X	11.52	2.5
62	MP1B	Z	-6.651	2.5
63	MP1B	Mx	-.006	2.5
64	MP1C	X	14.917	2.5
65	MP1C	Z	-8.613	2.5
66	MP1C	Mx	0	2.5
67	MP2A	X	10.908	2.5
68	MP2A	Z	-6.298	2.5
69	MP2A	Mx	.005	2.5
70	MP2B	X	10.908	2.5
71	MP2B	Z	-6.298	2.5
72	MP2B	Mx	-.005	2.5
73	MP2C	X	14.917	2.5
74	MP2C	Z	-8.613	2.5
75	MP2C	Mx	0	2.5
76	MP1A	X	45.181	.25
77	MP1A	Z	-26.085	.25
78	MP1A	Mx	-.023	.25
79	MP1A	X	45.181	5.75
80	MP1A	Z	-26.085	5.75
81	MP1A	Mx	-.023	5.75
82	MP1B	X	45.181	.25
83	MP1B	Z	-26.085	.25
84	MP1B	Mx	.023	.25
85	MP1B	X	45.181	5.75
86	MP1B	Z	-26.085	5.75
87	MP1B	Mx	.023	5.75
88	MP1C	X	48.852	.25
89	MP1C	Z	-28.205	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP1C	Mx	0	.25
91	MP1C	X	48.852	5.75
92	MP1C	Z	-28.205	5.75
93	MP1C	Mx	0	5.75
94	MP4A	X	45.181	.25
95	MP4A	Z	-26.085	.25
96	MP4A	Mx	-.023	.25
97	MP4A	X	45.181	5.75
98	MP4A	Z	-26.085	5.75
99	MP4A	Mx	-.023	5.75
100	MP4B	X	45.181	.25
101	MP4B	Z	-26.085	.25
102	MP4B	Mx	.023	.25
103	MP4B	X	45.181	5.75
104	MP4B	Z	-26.085	5.75
105	MP4B	Mx	.023	5.75
106	MP4C	X	48.852	.25
107	MP4C	Z	-28.205	.25
108	MP4C	Mx	0	.25
109	MP4C	X	48.852	5.75
110	MP4C	Z	-28.205	5.75
111	MP4C	Mx	0	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	23.637	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.012	.5
4	MP2A	X	23.637	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.012	5.5
7	MP2B	X	31.592	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.008	.5
10	MP2B	X	31.592	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.008	5.5
13	MP2C	X	31.592	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.024	.5
16	MP2C	X	31.592	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.024	5.5
19	MP2A	X	23.637	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.012	.5
22	MP2A	X	23.637	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.012	5.5
25	MP2B	X	31.592	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.024	.5
28	MP2B	X	31.592	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.024	5.5
31	MP2C	X	31.592	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	0	.5
33	MP2C	Mx	-.008	.5
34	MP2C	X	31.592	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.008	5.5
37	MP3A	X	8.712	2.25
38	MP3A	Z	0	2.25
39	MP3A	Mx	-.004	2.25
40	MP3A	X	8.712	3.75
41	MP3A	Z	0	3.75
42	MP3A	Mx	-.004	3.75
43	MP3B	X	17.485	2.25
44	MP3B	Z	0	2.25
45	MP3B	Mx	.004	2.25
46	MP3B	X	17.485	3.75
47	MP3B	Z	0	3.75
48	MP3B	Mx	.004	3.75
49	MP3C	X	17.485	2.25
50	MP3C	Z	0	2.25
51	MP3C	Mx	.004	2.25
52	MP3C	X	17.485	3.75
53	MP3C	Z	0	3.75
54	MP3C	Mx	.004	3.75
55	M101	X	29.586	1.5
56	M101	Z	0	1.5
57	M101	Mx	0	1.5
58	MP1A	X	11.994	2.5
59	MP1A	Z	0	2.5
60	MP1A	Mx	.006	2.5
61	MP1B	X	15.917	2.5
62	MP1B	Z	0	2.5
63	MP1B	Mx	-.004	2.5
64	MP1C	X	15.917	2.5
65	MP1C	Z	0	2.5
66	MP1C	Mx	-.004	2.5
67	MP2A	X	11.052	2.5
68	MP2A	Z	0	2.5
69	MP2A	Mx	.006	2.5
70	MP2B	X	15.682	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	-.004	2.5
73	MP2C	X	15.682	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	-.004	2.5
76	MP1A	X	50.757	.25
77	MP1A	Z	0	.25
78	MP1A	Mx	-.025	.25
79	MP1A	X	50.757	5.75
80	MP1A	Z	0	5.75
81	MP1A	Mx	-.025	5.75
82	MP1B	X	54.997	.25
83	MP1B	Z	0	.25
84	MP1B	Mx	.014	.25
85	MP1B	X	54.997	5.75
86	MP1B	Z	0	5.75
87	MP1B	Mx	.014	5.75
88	MP1C	X	54.997	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1C	Z	0	.25
90	MP1C	Mx	.014	.25
91	MP1C	X	54.997	5.75
92	MP1C	Z	0	5.75
93	MP1C	Mx	.014	5.75
94	MP4A	X	50.757	.25
95	MP4A	Z	0	.25
96	MP4A	Mx	-.025	.25
97	MP4A	X	50.757	5.75
98	MP4A	Z	0	5.75
99	MP4A	Mx	-.025	5.75
100	MP4B	X	54.997	.25
101	MP4B	Z	0	.25
102	MP4B	Mx	.014	.25
103	MP4B	X	54.997	5.75
104	MP4B	Z	0	5.75
105	MP4B	Mx	.014	5.75
106	MP4C	X	54.997	.25
107	MP4C	Z	0	.25
108	MP4C	Mx	.014	.25
109	MP4C	X	54.997	5.75
110	MP4C	Z	0	5.75
111	MP4C	Mx	.014	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	22.767	.5
2	MP2A	Z	13.144	.5
3	MP2A	Mx	-.004	.5
4	MP2A	X	22.767	5.5
5	MP2A	Z	13.144	5.5
6	MP2A	Mx	-.004	5.5
7	MP2B	X	29.656	.5
8	MP2B	Z	17.122	.5
9	MP2B	Mx	-.02	.5
10	MP2B	X	29.656	5.5
11	MP2B	Z	17.122	5.5
12	MP2B	Mx	-.02	5.5
13	MP2C	X	22.767	.5
14	MP2C	Z	13.144	.5
15	MP2C	Mx	.019	.5
16	MP2C	X	22.767	5.5
17	MP2C	Z	13.144	5.5
18	MP2C	Mx	.019	5.5
19	MP2A	X	22.767	.5
20	MP2A	Z	13.144	.5
21	MP2A	Mx	-.019	.5
22	MP2A	X	22.767	5.5
23	MP2A	Z	13.144	5.5
24	MP2A	Mx	-.019	5.5
25	MP2B	X	29.656	.5
26	MP2B	Z	17.122	.5
27	MP2B	Mx	.02	.5
28	MP2B	X	29.656	5.5
29	MP2B	Z	17.122	5.5
30	MP2B	Mx	.02	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2C	X	22.767	.5
32	MP2C	Z	13.144	.5
33	MP2C	Mx	.004	.5
34	MP2C	X	22.767	5.5
35	MP2C	Z	13.144	5.5
36	MP2C	Mx	.004	5.5
37	MP3A	X	10.078	2.25
38	MP3A	Z	5.818	2.25
39	MP3A	Mx	-.005	2.25
40	MP3A	X	10.078	3.75
41	MP3A	Z	5.818	3.75
42	MP3A	Mx	-.005	3.75
43	MP3B	X	17.675	2.25
44	MP3B	Z	10.205	2.25
45	MP3B	Mx	0	2.25
46	MP3B	X	17.675	3.75
47	MP3B	Z	10.205	3.75
48	MP3B	Mx	0	3.75
49	MP3C	X	10.078	2.25
50	MP3C	Z	5.818	2.25
51	MP3C	Mx	.005	2.25
52	MP3C	X	10.078	3.75
53	MP3C	Z	5.818	3.75
54	MP3C	Mx	.005	3.75
55	M101	X	23.956	1.5
56	M101	Z	13.831	1.5
57	M101	Mx	0	1.5
58	MP1A	X	11.52	2.5
59	MP1A	Z	6.651	2.5
60	MP1A	Mx	.006	2.5
61	MP1B	X	14.917	2.5
62	MP1B	Z	8.613	2.5
63	MP1B	Mx	0	2.5
64	MP1C	X	11.52	2.5
65	MP1C	Z	6.651	2.5
66	MP1C	Mx	-.006	2.5
67	MP2A	X	10.908	2.5
68	MP2A	Z	6.298	2.5
69	MP2A	Mx	.005	2.5
70	MP2B	X	14.917	2.5
71	MP2B	Z	8.613	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	10.908	2.5
74	MP2C	Z	6.298	2.5
75	MP2C	Mx	-.005	2.5
76	MP1A	X	45.181	.25
77	MP1A	Z	26.085	.25
78	MP1A	Mx	-.023	.25
79	MP1A	X	45.181	5.75
80	MP1A	Z	26.085	5.75
81	MP1A	Mx	-.023	5.75
82	MP1B	X	48.852	.25
83	MP1B	Z	28.205	.25
84	MP1B	Mx	0	.25
85	MP1B	X	48.852	5.75
86	MP1B	Z	28.205	5.75
87	MP1B	Mx	0	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP1C	X	45.181	.25
89	MP1C	Z	26.085	.25
90	MP1C	Mx	.023	.25
91	MP1C	X	45.181	5.75
92	MP1C	Z	26.085	5.75
93	MP1C	Mx	.023	5.75
94	MP4A	X	45.181	.25
95	MP4A	Z	26.085	.25
96	MP4A	Mx	-.023	.25
97	MP4A	X	45.181	5.75
98	MP4A	Z	26.085	5.75
99	MP4A	Mx	-.023	5.75
100	MP4B	X	48.852	.25
101	MP4B	Z	28.205	.25
102	MP4B	Mx	0	.25
103	MP4B	X	48.852	5.75
104	MP4B	Z	28.205	5.75
105	MP4B	Mx	0	5.75
106	MP4C	X	45.181	.25
107	MP4C	Z	26.085	.25
108	MP4C	Mx	.023	.25
109	MP4C	X	45.181	5.75
110	MP4C	Z	26.085	5.75
111	MP4C	Mx	.023	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	15.796	.5
2	MP2A	Z	27.36	.5
3	MP2A	Mx	.008	.5
4	MP2A	X	15.796	5.5
5	MP2A	Z	27.36	5.5
6	MP2A	Mx	.008	5.5
7	MP2B	X	15.796	.5
8	MP2B	Z	27.36	.5
9	MP2B	Mx	-.024	.5
10	MP2B	X	15.796	5.5
11	MP2B	Z	27.36	5.5
12	MP2B	Mx	-.024	5.5
13	MP2C	X	11.819	.5
14	MP2C	Z	20.471	.5
15	MP2C	Mx	.012	.5
16	MP2C	X	11.819	5.5
17	MP2C	Z	20.471	5.5
18	MP2C	Mx	.012	5.5
19	MP2A	X	15.796	.5
20	MP2A	Z	27.36	.5
21	MP2A	Mx	-.024	.5
22	MP2A	X	15.796	5.5
23	MP2A	Z	27.36	5.5
24	MP2A	Mx	-.024	5.5
25	MP2B	X	15.796	.5
26	MP2B	Z	27.36	.5
27	MP2B	Mx	.008	.5
28	MP2B	X	15.796	5.5
29	MP2B	Z	27.36	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2B	Mx	.008	5.5
31	MP2C	X	11.819	.5
32	MP2C	Z	20.471	.5
33	MP2C	Mx	.012	.5
34	MP2C	X	11.819	5.5
35	MP2C	Z	20.471	5.5
36	MP2C	Mx	.012	5.5
37	MP3A	X	8.743	2.25
38	MP3A	Z	15.143	2.25
39	MP3A	Mx	-.004	2.25
40	MP3A	X	8.743	3.75
41	MP3A	Z	15.143	3.75
42	MP3A	Mx	-.004	3.75
43	MP3B	X	8.743	2.25
44	MP3B	Z	15.143	2.25
45	MP3B	Mx	-.004	2.25
46	MP3B	X	8.743	3.75
47	MP3B	Z	15.143	3.75
48	MP3B	Mx	-.004	3.75
49	MP3C	X	4.356	2.25
50	MP3C	Z	7.545	2.25
51	MP3C	Mx	.004	2.25
52	MP3C	X	4.356	3.75
53	MP3C	Z	7.545	3.75
54	MP3C	Mx	.004	3.75
55	M101	X	14.793	1.5
56	M101	Z	25.622	1.5
57	M101	Mx	0	1.5
58	MP1A	X	7.959	2.5
59	MP1A	Z	13.785	2.5
60	MP1A	Mx	.004	2.5
61	MP1B	X	7.959	2.5
62	MP1B	Z	13.785	2.5
63	MP1B	Mx	.004	2.5
64	MP1C	X	5.997	2.5
65	MP1C	Z	10.387	2.5
66	MP1C	Mx	-.006	2.5
67	MP2A	X	7.841	2.5
68	MP2A	Z	13.581	2.5
69	MP2A	Mx	.004	2.5
70	MP2B	X	7.841	2.5
71	MP2B	Z	13.581	2.5
72	MP2B	Mx	.004	2.5
73	MP2C	X	5.526	2.5
74	MP2C	Z	9.571	2.5
75	MP2C	Mx	-.006	2.5
76	MP1A	X	27.498	.25
77	MP1A	Z	47.628	.25
78	MP1A	Mx	-.014	.25
79	MP1A	X	27.498	5.75
80	MP1A	Z	47.628	5.75
81	MP1A	Mx	-.014	5.75
82	MP1B	X	27.498	.25
83	MP1B	Z	47.628	.25
84	MP1B	Mx	-.014	.25
85	MP1B	X	27.498	5.75
86	MP1B	Z	47.628	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP1B	Mx	-.014	5.75
88	MP1C	X	25.379	.25
89	MP1C	Z	43.957	.25
90	MP1C	Mx	.025	.25
91	MP1C	X	25.379	5.75
92	MP1C	Z	43.957	5.75
93	MP1C	Mx	.025	5.75
94	MP4A	X	27.498	.25
95	MP4A	Z	47.628	.25
96	MP4A	Mx	-.014	.25
97	MP4A	X	27.498	5.75
98	MP4A	Z	47.628	5.75
99	MP4A	Mx	-.014	5.75
100	MP4B	X	27.498	.25
101	MP4B	Z	47.628	.25
102	MP4B	Mx	-.014	.25
103	MP4B	X	27.498	5.75
104	MP4B	Z	47.628	5.75
105	MP4B	Mx	-.014	5.75
106	MP4C	X	25.379	.25
107	MP4C	Z	43.957	.25
108	MP4C	Mx	.025	.25
109	MP4C	X	25.379	5.75
110	MP4C	Z	43.957	5.75
111	MP4C	Mx	.025	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	34.244	.5
3	MP2A	Mx	.02	.5
4	MP2A	X	0	5.5
5	MP2A	Z	34.244	5.5
6	MP2A	Mx	.02	5.5
7	MP2B	X	0	.5
8	MP2B	Z	26.289	.5
9	MP2B	Mx	-.019	.5
10	MP2B	X	0	5.5
11	MP2B	Z	26.289	5.5
12	MP2B	Mx	-.019	5.5
13	MP2C	X	0	.5
14	MP2C	Z	26.289	.5
15	MP2C	Mx	.004	.5
16	MP2C	X	0	5.5
17	MP2C	Z	26.289	5.5
18	MP2C	Mx	.004	5.5
19	MP2A	X	0	.5
20	MP2A	Z	34.244	.5
21	MP2A	Mx	-.02	.5
22	MP2A	X	0	5.5
23	MP2A	Z	34.244	5.5
24	MP2A	Mx	-.02	5.5
25	MP2B	X	0	.5
26	MP2B	Z	26.289	.5
27	MP2B	Mx	-.004	.5
28	MP2B	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	26.289	5.5
30	MP2B	Mx	-.004	5.5
31	MP2C	X	0	.5
32	MP2C	Z	26.289	.5
33	MP2C	Mx	.019	.5
34	MP2C	X	0	5.5
35	MP2C	Z	26.289	5.5
36	MP2C	Mx	.019	5.5
37	MP3A	X	0	2.25
38	MP3A	Z	20.409	2.25
39	MP3A	Mx	0	2.25
40	MP3A	X	0	3.75
41	MP3A	Z	20.409	3.75
42	MP3A	Mx	0	3.75
43	MP3B	X	0	2.25
44	MP3B	Z	11.637	2.25
45	MP3B	Mx	-.005	2.25
46	MP3B	X	0	3.75
47	MP3B	Z	11.637	3.75
48	MP3B	Mx	-.005	3.75
49	MP3C	X	0	2.25
50	MP3C	Z	11.637	2.25
51	MP3C	Mx	.005	2.25
52	MP3C	X	0	3.75
53	MP3C	Z	11.637	3.75
54	MP3C	Mx	.005	3.75
55	M101	X	0	1.5
56	M101	Z	33.432	1.5
57	M101	Mx	0	1.5
58	MP1A	X	0	2.5
59	MP1A	Z	17.225	2.5
60	MP1A	Mx	0	2.5
61	MP1B	X	0	2.5
62	MP1B	Z	13.302	2.5
63	MP1B	Mx	.006	2.5
64	MP1C	X	0	2.5
65	MP1C	Z	13.302	2.5
66	MP1C	Mx	-.006	2.5
67	MP2A	X	0	2.5
68	MP2A	Z	17.225	2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	12.595	2.5
72	MP2B	Mx	.005	2.5
73	MP2C	X	0	2.5
74	MP2C	Z	12.595	2.5
75	MP2C	Mx	-.005	2.5
76	MP1A	X	0	.25
77	MP1A	Z	56.41	.25
78	MP1A	Mx	0	.25
79	MP1A	X	0	5.75
80	MP1A	Z	56.41	5.75
81	MP1A	Mx	0	5.75
82	MP1B	X	0	.25
83	MP1B	Z	52.17	.25
84	MP1B	Mx	-.023	.25
85	MP1B	X	0	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1B	Z	52.17	5.75
87	MP1B	Mx	-.023	5.75
88	MP1C	X	0	.25
89	MP1C	Z	52.17	.25
90	MP1C	Mx	.023	.25
91	MP1C	X	0	5.75
92	MP1C	Z	52.17	5.75
93	MP1C	Mx	.023	5.75
94	MP4A	X	0	.25
95	MP4A	Z	56.41	.25
96	MP4A	Mx	0	.25
97	MP4A	X	0	5.75
98	MP4A	Z	56.41	5.75
99	MP4A	Mx	0	5.75
100	MP4B	X	0	.25
101	MP4B	Z	52.17	.25
102	MP4B	Mx	-.023	.25
103	MP4B	X	0	5.75
104	MP4B	Z	52.17	5.75
105	MP4B	Mx	-.023	5.75
106	MP4C	X	0	.25
107	MP4C	Z	52.17	.25
108	MP4C	Mx	.023	.25
109	MP4C	X	0	5.75
110	MP4C	Z	52.17	5.75
111	MP4C	Mx	.023	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-15.796	.5
2	MP2A	Z	27.36	.5
3	MP2A	Mx	.024	.5
4	MP2A	X	-15.796	5.5
5	MP2A	Z	27.36	5.5
6	MP2A	Mx	.024	5.5
7	MP2B	X	-11.819	.5
8	MP2B	Z	20.471	.5
9	MP2B	Mx	-.012	.5
10	MP2B	X	-11.819	5.5
11	MP2B	Z	20.471	5.5
12	MP2B	Mx	-.012	5.5
13	MP2C	X	-15.796	.5
14	MP2C	Z	27.36	.5
15	MP2C	Mx	-.008	.5
16	MP2C	X	-15.796	5.5
17	MP2C	Z	27.36	5.5
18	MP2C	Mx	-.008	5.5
19	MP2A	X	-15.796	.5
20	MP2A	Z	27.36	.5
21	MP2A	Mx	-.008	.5
22	MP2A	X	-15.796	5.5
23	MP2A	Z	27.36	5.5
24	MP2A	Mx	-.008	5.5
25	MP2B	X	-11.819	.5
26	MP2B	Z	20.471	.5
27	MP2B	Mx	-.012	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP2B	X	-11.819	5.5
29	MP2B	Z	20.471	5.5
30	MP2B	Mx	-.012	5.5
31	MP2C	X	-15.796	.5
32	MP2C	Z	27.36	.5
33	MP2C	Mx	.024	.5
34	MP2C	X	-15.796	5.5
35	MP2C	Z	27.36	5.5
36	MP2C	Mx	.024	5.5
37	MP3A	X	-8.743	2.25
38	MP3A	Z	15.143	2.25
39	MP3A	Mx	.004	2.25
40	MP3A	X	-8.743	3.75
41	MP3A	Z	15.143	3.75
42	MP3A	Mx	.004	3.75
43	MP3B	X	-4.356	2.25
44	MP3B	Z	7.545	2.25
45	MP3B	Mx	-.004	2.25
46	MP3B	X	-4.356	3.75
47	MP3B	Z	7.545	3.75
48	MP3B	Mx	-.004	3.75
49	MP3C	X	-8.743	2.25
50	MP3C	Z	15.143	2.25
51	MP3C	Mx	.004	2.25
52	MP3C	X	-8.743	3.75
53	MP3C	Z	15.143	3.75
54	MP3C	Mx	.004	3.75
55	M101	X	-17.678	1.5
56	M101	Z	30.618	1.5
57	M101	Mx	0	1.5
58	MP1A	X	-7.959	2.5
59	MP1A	Z	13.785	2.5
60	MP1A	Mx	-.004	2.5
61	MP1B	X	-5.997	2.5
62	MP1B	Z	10.387	2.5
63	MP1B	Mx	.006	2.5
64	MP1C	X	-7.959	2.5
65	MP1C	Z	13.785	2.5
66	MP1C	Mx	-.004	2.5
67	MP2A	X	-7.841	2.5
68	MP2A	Z	13.581	2.5
69	MP2A	Mx	-.004	2.5
70	MP2B	X	-5.526	2.5
71	MP2B	Z	9.571	2.5
72	MP2B	Mx	.006	2.5
73	MP2C	X	-7.841	2.5
74	MP2C	Z	13.581	2.5
75	MP2C	Mx	-.004	2.5
76	MP1A	X	-27.498	.25
77	MP1A	Z	47.628	.25
78	MP1A	Mx	.014	.25
79	MP1A	X	-27.498	5.75
80	MP1A	Z	47.628	5.75
81	MP1A	Mx	.014	5.75
82	MP1B	X	-25.379	.25
83	MP1B	Z	43.957	.25
84	MP1B	Mx	-.025	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1B	X	-25.379	5.75
86	MP1B	Z	43.957	5.75
87	MP1B	Mx	-.025	5.75
88	MP1C	X	-27.498	.25
89	MP1C	Z	47.628	.25
90	MP1C	Mx	.014	.25
91	MP1C	X	-27.498	5.75
92	MP1C	Z	47.628	5.75
93	MP1C	Mx	.014	5.75
94	MP4A	X	-27.498	.25
95	MP4A	Z	47.628	.25
96	MP4A	Mx	.014	.25
97	MP4A	X	-27.498	5.75
98	MP4A	Z	47.628	5.75
99	MP4A	Mx	.014	5.75
100	MP4B	X	-25.379	.25
101	MP4B	Z	43.957	.25
102	MP4B	Mx	-.025	.25
103	MP4B	X	-25.379	5.75
104	MP4B	Z	43.957	5.75
105	MP4B	Mx	-.025	5.75
106	MP4C	X	-27.498	.25
107	MP4C	Z	47.628	.25
108	MP4C	Mx	.014	.25
109	MP4C	X	-27.498	5.75
110	MP4C	Z	47.628	5.75
111	MP4C	Mx	.014	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-22.767	.5
2	MP2A	Z	13.144	.5
3	MP2A	Mx	.019	.5
4	MP2A	X	-22.767	5.5
5	MP2A	Z	13.144	5.5
6	MP2A	Mx	.019	5.5
7	MP2B	X	-22.767	.5
8	MP2B	Z	13.144	.5
9	MP2B	Mx	-.004	.5
10	MP2B	X	-22.767	5.5
11	MP2B	Z	13.144	5.5
12	MP2B	Mx	-.004	5.5
13	MP2C	X	-29.656	.5
14	MP2C	Z	17.122	.5
15	MP2C	Mx	-.02	.5
16	MP2C	X	-29.656	5.5
17	MP2C	Z	17.122	5.5
18	MP2C	Mx	-.02	5.5
19	MP2A	X	-22.767	.5
20	MP2A	Z	13.144	.5
21	MP2A	Mx	.004	.5
22	MP2A	X	-22.767	5.5
23	MP2A	Z	13.144	5.5
24	MP2A	Mx	.004	5.5
25	MP2B	X	-22.767	.5
26	MP2B	Z	13.144	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mx	-.019	.5
28	MP2B	X	-22.767	5.5
29	MP2B	Z	13.144	5.5
30	MP2B	Mx	-.019	5.5
31	MP2C	X	-29.656	.5
32	MP2C	Z	17.122	.5
33	MP2C	Mx	.02	.5
34	MP2C	X	-29.656	5.5
35	MP2C	Z	17.122	5.5
36	MP2C	Mx	.02	5.5
37	MP3A	X	-10.078	2.25
38	MP3A	Z	5.818	2.25
39	MP3A	Mx	.005	2.25
40	MP3A	X	-10.078	3.75
41	MP3A	Z	5.818	3.75
42	MP3A	Mx	.005	3.75
43	MP3B	X	-10.078	2.25
44	MP3B	Z	5.818	2.25
45	MP3B	Mx	-.005	2.25
46	MP3B	X	-10.078	3.75
47	MP3B	Z	5.818	3.75
48	MP3B	Mx	-.005	3.75
49	MP3C	X	-17.675	2.25
50	MP3C	Z	10.205	2.25
51	MP3C	Mx	0	2.25
52	MP3C	X	-17.675	3.75
53	MP3C	Z	10.205	3.75
54	MP3C	Mx	0	3.75
55	M101	X	-28.953	1.5
56	M101	Z	16.716	1.5
57	M101	Mx	0	1.5
58	MP1A	X	-11.52	2.5
59	MP1A	Z	6.651	2.5
60	MP1A	Mx	-.006	2.5
61	MP1B	X	-11.52	2.5
62	MP1B	Z	6.651	2.5
63	MP1B	Mx	.006	2.5
64	MP1C	X	-14.917	2.5
65	MP1C	Z	8.613	2.5
66	MP1C	Mx	0	2.5
67	MP2A	X	-10.908	2.5
68	MP2A	Z	6.298	2.5
69	MP2A	Mx	-.005	2.5
70	MP2B	X	-10.908	2.5
71	MP2B	Z	6.298	2.5
72	MP2B	Mx	.005	2.5
73	MP2C	X	-14.917	2.5
74	MP2C	Z	8.613	2.5
75	MP2C	Mx	0	2.5
76	MP1A	X	-45.181	.25
77	MP1A	Z	26.085	.25
78	MP1A	Mx	.023	.25
79	MP1A	X	-45.181	5.75
80	MP1A	Z	26.085	5.75
81	MP1A	Mx	.023	5.75
82	MP1B	X	-45.181	.25
83	MP1B	Z	26.085	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP1B	Mx	-.023	.25
85	MP1B	X	-45.181	5.75
86	MP1B	Z	26.085	5.75
87	MP1B	Mx	-.023	5.75
88	MP1C	X	-48.852	.25
89	MP1C	Z	28.205	.25
90	MP1C	Mx	0	.25
91	MP1C	X	-48.852	5.75
92	MP1C	Z	28.205	5.75
93	MP1C	Mx	0	5.75
94	MP4A	X	-45.181	.25
95	MP4A	Z	26.085	.25
96	MP4A	Mx	.023	.25
97	MP4A	X	-45.181	5.75
98	MP4A	Z	26.085	5.75
99	MP4A	Mx	.023	5.75
100	MP4B	X	-45.181	.25
101	MP4B	Z	26.085	.25
102	MP4B	Mx	-.023	.25
103	MP4B	X	-45.181	5.75
104	MP4B	Z	26.085	5.75
105	MP4B	Mx	-.023	5.75
106	MP4C	X	-48.852	.25
107	MP4C	Z	28.205	.25
108	MP4C	Mx	0	.25
109	MP4C	X	-48.852	5.75
110	MP4C	Z	28.205	5.75
111	MP4C	Mx	0	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-23.637	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.012	.5
4	MP2A	X	-23.637	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.012	5.5
7	MP2B	X	-31.592	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.008	.5
10	MP2B	X	-31.592	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.008	5.5
13	MP2C	X	-31.592	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.024	.5
16	MP2C	X	-31.592	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-.024	5.5
19	MP2A	X	-23.637	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.012	.5
22	MP2A	X	-23.637	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.012	5.5
25	MP2B	X	-31.592	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2B	Z	0	.5
27	MP2B	Mx	-.024	.5
28	MP2B	X	-31.592	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.024	5.5
31	MP2C	X	-31.592	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.008	.5
34	MP2C	X	-31.592	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.008	5.5
37	MP3A	X	-8.712	2.25
38	MP3A	Z	0	2.25
39	MP3A	Mx	.004	2.25
40	MP3A	X	-8.712	3.75
41	MP3A	Z	0	3.75
42	MP3A	Mx	.004	3.75
43	MP3B	X	-17.485	2.25
44	MP3B	Z	0	2.25
45	MP3B	Mx	-.004	2.25
46	MP3B	X	-17.485	3.75
47	MP3B	Z	0	3.75
48	MP3B	Mx	-.004	3.75
49	MP3C	X	-17.485	2.25
50	MP3C	Z	0	2.25
51	MP3C	Mx	-.004	2.25
52	MP3C	X	-17.485	3.75
53	MP3C	Z	0	3.75
54	MP3C	Mx	-.004	3.75
55	M101	X	-29.586	1.5
56	M101	Z	0	1.5
57	M101	Mx	0	1.5
58	MP1A	X	-11.994	2.5
59	MP1A	Z	0	2.5
60	MP1A	Mx	-.006	2.5
61	MP1B	X	-15.917	2.5
62	MP1B	Z	0	2.5
63	MP1B	Mx	.004	2.5
64	MP1C	X	-15.917	2.5
65	MP1C	Z	0	2.5
66	MP1C	Mx	.004	2.5
67	MP2A	X	-11.052	2.5
68	MP2A	Z	0	2.5
69	MP2A	Mx	-.006	2.5
70	MP2B	X	-15.682	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	.004	2.5
73	MP2C	X	-15.682	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	.004	2.5
76	MP1A	X	-50.757	.25
77	MP1A	Z	0	.25
78	MP1A	Mx	.025	.25
79	MP1A	X	-50.757	5.75
80	MP1A	Z	0	5.75
81	MP1A	Mx	.025	5.75
82	MP1B	X	-54.997	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP1B	Z	0	.25
84	MP1B	Mx	-.014	.25
85	MP1B	X	-54.997	5.75
86	MP1B	Z	0	5.75
87	MP1B	Mx	-.014	5.75
88	MP1C	X	-54.997	.25
89	MP1C	Z	0	.25
90	MP1C	Mx	-.014	.25
91	MP1C	X	-54.997	5.75
92	MP1C	Z	0	5.75
93	MP1C	Mx	-.014	5.75
94	MP4A	X	-50.757	.25
95	MP4A	Z	0	.25
96	MP4A	Mx	.025	.25
97	MP4A	X	-50.757	5.75
98	MP4A	Z	0	5.75
99	MP4A	Mx	.025	5.75
100	MP4B	X	-54.997	.25
101	MP4B	Z	0	.25
102	MP4B	Mx	-.014	.25
103	MP4B	X	-54.997	5.75
104	MP4B	Z	0	5.75
105	MP4B	Mx	-.014	5.75
106	MP4C	X	-54.997	.25
107	MP4C	Z	0	.25
108	MP4C	Mx	-.014	.25
109	MP4C	X	-54.997	5.75
110	MP4C	Z	0	5.75
111	MP4C	Mx	-.014	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-22.767	.5
2	MP2A	Z	-13.144	.5
3	MP2A	Mx	.004	.5
4	MP2A	X	-22.767	5.5
5	MP2A	Z	-13.144	5.5
6	MP2A	Mx	.004	5.5
7	MP2B	X	-29.656	.5
8	MP2B	Z	-17.122	.5
9	MP2B	Mx	.02	.5
10	MP2B	X	-29.656	5.5
11	MP2B	Z	-17.122	5.5
12	MP2B	Mx	.02	5.5
13	MP2C	X	-22.767	.5
14	MP2C	Z	-13.144	.5
15	MP2C	Mx	-.019	.5
16	MP2C	X	-22.767	5.5
17	MP2C	Z	-13.144	5.5
18	MP2C	Mx	-.019	5.5
19	MP2A	X	-22.767	.5
20	MP2A	Z	-13.144	.5
21	MP2A	Mx	.019	.5
22	MP2A	X	-22.767	5.5
23	MP2A	Z	-13.144	5.5
24	MP2A	Mx	.019	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	-29.656	.5
26	MP2B	Z	-17.122	.5
27	MP2B	Mx	-.02	.5
28	MP2B	X	-29.656	5.5
29	MP2B	Z	-17.122	5.5
30	MP2B	Mx	-.02	5.5
31	MP2C	X	-22.767	.5
32	MP2C	Z	-13.144	.5
33	MP2C	Mx	-.004	.5
34	MP2C	X	-22.767	5.5
35	MP2C	Z	-13.144	5.5
36	MP2C	Mx	-.004	5.5
37	MP3A	X	-10.078	2.25
38	MP3A	Z	-5.818	2.25
39	MP3A	Mx	.005	2.25
40	MP3A	X	-10.078	3.75
41	MP3A	Z	-5.818	3.75
42	MP3A	Mx	.005	3.75
43	MP3B	X	-17.675	2.25
44	MP3B	Z	-10.205	2.25
45	MP3B	Mx	0	2.25
46	MP3B	X	-17.675	3.75
47	MP3B	Z	-10.205	3.75
48	MP3B	Mx	0	3.75
49	MP3C	X	-10.078	2.25
50	MP3C	Z	-5.818	2.25
51	MP3C	Mx	-.005	2.25
52	MP3C	X	-10.078	3.75
53	MP3C	Z	-5.818	3.75
54	MP3C	Mx	-.005	3.75
55	M101	X	-23.956	1.5
56	M101	Z	-13.831	1.5
57	M101	Mx	0	1.5
58	MP1A	X	-11.52	2.5
59	MP1A	Z	-6.651	2.5
60	MP1A	Mx	-.006	2.5
61	MP1B	X	-14.917	2.5
62	MP1B	Z	-8.613	2.5
63	MP1B	Mx	0	2.5
64	MP1C	X	-11.52	2.5
65	MP1C	Z	-6.651	2.5
66	MP1C	Mx	.006	2.5
67	MP2A	X	-10.908	2.5
68	MP2A	Z	-6.298	2.5
69	MP2A	Mx	-.005	2.5
70	MP2B	X	-14.917	2.5
71	MP2B	Z	-8.613	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	-10.908	2.5
74	MP2C	Z	-6.298	2.5
75	MP2C	Mx	.005	2.5
76	MP1A	X	-45.181	.25
77	MP1A	Z	-26.085	.25
78	MP1A	Mx	.023	.25
79	MP1A	X	-45.181	5.75
80	MP1A	Z	-26.085	5.75
81	MP1A	Mx	.023	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1B	X	-48.852	.25
83	MP1B	Z	-28.205	.25
84	MP1B	Mx	0	.25
85	MP1B	X	-48.852	5.75
86	MP1B	Z	-28.205	5.75
87	MP1B	Mx	0	5.75
88	MP1C	X	-45.181	.25
89	MP1C	Z	-26.085	.25
90	MP1C	Mx	-.023	.25
91	MP1C	X	-45.181	5.75
92	MP1C	Z	-26.085	5.75
93	MP1C	Mx	-.023	5.75
94	MP4A	X	-45.181	.25
95	MP4A	Z	-26.085	.25
96	MP4A	Mx	.023	.25
97	MP4A	X	-45.181	5.75
98	MP4A	Z	-26.085	5.75
99	MP4A	Mx	.023	5.75
100	MP4B	X	-48.852	.25
101	MP4B	Z	-28.205	.25
102	MP4B	Mx	0	.25
103	MP4B	X	-48.852	5.75
104	MP4B	Z	-28.205	5.75
105	MP4B	Mx	0	5.75
106	MP4C	X	-45.181	.25
107	MP4C	Z	-26.085	.25
108	MP4C	Mx	-.023	.25
109	MP4C	X	-45.181	5.75
110	MP4C	Z	-26.085	5.75
111	MP4C	Mx	-.023	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-15.796	.5
2	MP2A	Z	-27.36	.5
3	MP2A	Mx	-.008	.5
4	MP2A	X	-15.796	5.5
5	MP2A	Z	-27.36	5.5
6	MP2A	Mx	-.008	5.5
7	MP2B	X	-15.796	.5
8	MP2B	Z	-27.36	.5
9	MP2B	Mx	.024	.5
10	MP2B	X	-15.796	5.5
11	MP2B	Z	-27.36	5.5
12	MP2B	Mx	.024	5.5
13	MP2C	X	-11.819	.5
14	MP2C	Z	-20.471	.5
15	MP2C	Mx	-.012	.5
16	MP2C	X	-11.819	5.5
17	MP2C	Z	-20.471	5.5
18	MP2C	Mx	-.012	5.5
19	MP2A	X	-15.796	.5
20	MP2A	Z	-27.36	.5
21	MP2A	Mx	.024	.5
22	MP2A	X	-15.796	5.5
23	MP2A	Z	-27.36	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	.024	5.5
25	MP2B	X	-15.796	.5
26	MP2B	Z	-27.36	.5
27	MP2B	Mx	-.008	.5
28	MP2B	X	-15.796	5.5
29	MP2B	Z	-27.36	5.5
30	MP2B	Mx	-.008	5.5
31	MP2C	X	-11.819	.5
32	MP2C	Z	-20.471	.5
33	MP2C	Mx	-.012	.5
34	MP2C	X	-11.819	5.5
35	MP2C	Z	-20.471	5.5
36	MP2C	Mx	-.012	5.5
37	MP3A	X	-8.743	2.25
38	MP3A	Z	-15.143	2.25
39	MP3A	Mx	.004	2.25
40	MP3A	X	-8.743	3.75
41	MP3A	Z	-15.143	3.75
42	MP3A	Mx	.004	3.75
43	MP3B	X	-8.743	2.25
44	MP3B	Z	-15.143	2.25
45	MP3B	Mx	.004	2.25
46	MP3B	X	-8.743	3.75
47	MP3B	Z	-15.143	3.75
48	MP3B	Mx	.004	3.75
49	MP3C	X	-4.356	2.25
50	MP3C	Z	-7.545	2.25
51	MP3C	Mx	-.004	2.25
52	MP3C	X	-4.356	3.75
53	MP3C	Z	-7.545	3.75
54	MP3C	Mx	-.004	3.75
55	M101	X	-14.793	1.5
56	M101	Z	-25.622	1.5
57	M101	Mx	0	1.5
58	MP1A	X	-7.959	2.5
59	MP1A	Z	-13.785	2.5
60	MP1A	Mx	-.004	2.5
61	MP1B	X	-7.959	2.5
62	MP1B	Z	-13.785	2.5
63	MP1B	Mx	-.004	2.5
64	MP1C	X	-5.997	2.5
65	MP1C	Z	-10.387	2.5
66	MP1C	Mx	.006	2.5
67	MP2A	X	-7.841	2.5
68	MP2A	Z	-13.581	2.5
69	MP2A	Mx	-.004	2.5
70	MP2B	X	-7.841	2.5
71	MP2B	Z	-13.581	2.5
72	MP2B	Mx	-.004	2.5
73	MP2C	X	-5.526	2.5
74	MP2C	Z	-9.571	2.5
75	MP2C	Mx	.006	2.5
76	MP1A	X	-27.498	.25
77	MP1A	Z	-47.628	.25
78	MP1A	Mx	.014	.25
79	MP1A	X	-27.498	5.75
80	MP1A	Z	-47.628	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1A	Mx	.014	5.75
82	MP1B	X	-27.498	.25
83	MP1B	Z	-47.628	.25
84	MP1B	Mx	.014	.25
85	MP1B	X	-27.498	5.75
86	MP1B	Z	-47.628	5.75
87	MP1B	Mx	.014	5.75
88	MP1C	X	-25.379	.25
89	MP1C	Z	-43.957	.25
90	MP1C	Mx	-.025	.25
91	MP1C	X	-25.379	5.75
92	MP1C	Z	-43.957	5.75
93	MP1C	Mx	-.025	5.75
94	MP4A	X	-27.498	.25
95	MP4A	Z	-47.628	.25
96	MP4A	Mx	.014	.25
97	MP4A	X	-27.498	5.75
98	MP4A	Z	-47.628	5.75
99	MP4A	Mx	.014	5.75
100	MP4B	X	-27.498	.25
101	MP4B	Z	-47.628	.25
102	MP4B	Mx	.014	.25
103	MP4B	X	-27.498	5.75
104	MP4B	Z	-47.628	5.75
105	MP4B	Mx	.014	5.75
106	MP4C	X	-25.379	.25
107	MP4C	Z	-43.957	.25
108	MP4C	Mx	-.025	.25
109	MP4C	X	-25.379	5.75
110	MP4C	Z	-43.957	5.75
111	MP4C	Mx	-.025	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-11.148	.5
3	MP2A	Mx	-.007	.5
4	MP2A	X	0	5.5
5	MP2A	Z	-11.148	5.5
6	MP2A	Mx	-.007	5.5
7	MP2B	X	0	.5
8	MP2B	Z	-8.315	.5
9	MP2B	Mx	.006	.5
10	MP2B	X	0	5.5
11	MP2B	Z	-8.315	5.5
12	MP2B	Mx	.006	5.5
13	MP2C	X	0	.5
14	MP2C	Z	-8.315	.5
15	MP2C	Mx	-.001	.5
16	MP2C	X	0	5.5
17	MP2C	Z	-8.315	5.5
18	MP2C	Mx	-.001	5.5
19	MP2A	X	0	.5
20	MP2A	Z	-11.148	.5
21	MP2A	Mx	.007	.5
22	MP2A	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	-11.148	5.5
24	MP2A	Mx	.007	5.5
25	MP2B	X	0	.5
26	MP2B	Z	-8.315	.5
27	MP2B	Mx	.001	.5
28	MP2B	X	0	5.5
29	MP2B	Z	-8.315	5.5
30	MP2B	Mx	.001	5.5
31	MP2C	X	0	.5
32	MP2C	Z	-8.315	.5
33	MP2C	Mx	-.006	.5
34	MP2C	X	0	5.5
35	MP2C	Z	-8.315	5.5
36	MP2C	Mx	-.006	5.5
37	MP3A	X	0	2.25
38	MP3A	Z	-6.485	2.25
39	MP3A	Mx	0	2.25
40	MP3A	X	0	3.75
41	MP3A	Z	-6.485	3.75
42	MP3A	Mx	0	3.75
43	MP3B	X	0	2.25
44	MP3B	Z	-3.525	2.25
45	MP3B	Mx	.002	2.25
46	MP3B	X	0	3.75
47	MP3B	Z	-3.525	3.75
48	MP3B	Mx	.002	3.75
49	MP3C	X	0	2.25
50	MP3C	Z	-3.525	2.25
51	MP3C	Mx	-.002	2.25
52	MP3C	X	0	3.75
53	MP3C	Z	-3.525	3.75
54	MP3C	Mx	-.002	3.75
55	M101	X	0	1.5
56	M101	Z	-10.539	1.5
57	M101	Mx	0	1.5
58	MP1A	X	0	2.5
59	MP1A	Z	-5.16	2.5
60	MP1A	Mx	0	2.5
61	MP1B	X	0	2.5
62	MP1B	Z	-3.877	2.5
63	MP1B	Mx	-.002	2.5
64	MP1C	X	0	2.5
65	MP1C	Z	-3.877	2.5
66	MP1C	Mx	.002	2.5
67	MP2A	X	0	2.5
68	MP2A	Z	-5.16	2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	-3.644	2.5
72	MP2B	Mx	-.002	2.5
73	MP2C	X	0	2.5
74	MP2C	Z	-3.644	2.5
75	MP2C	Mx	.002	2.5
76	MP1A	X	0	.25
77	MP1A	Z	-18.861	.25
78	MP1A	Mx	0	.25
79	MP1A	X	0	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1A	Z	-18.861	5.75
81	MP1A	Mx	0	5.75
82	MP1B	X	0	.25
83	MP1B	Z	-17.312	.25
84	MP1B	Mx	.007	.25
85	MP1B	X	0	5.75
86	MP1B	Z	-17.312	5.75
87	MP1B	Mx	.007	5.75
88	MP1C	X	0	.25
89	MP1C	Z	-17.312	.25
90	MP1C	Mx	-.007	.25
91	MP1C	X	0	5.75
92	MP1C	Z	-17.312	5.75
93	MP1C	Mx	-.007	5.75
94	MP4A	X	0	.25
95	MP4A	Z	-18.861	.25
96	MP4A	Mx	0	.25
97	MP4A	X	0	5.75
98	MP4A	Z	-18.861	5.75
99	MP4A	Mx	0	5.75
100	MP4B	X	0	.25
101	MP4B	Z	-17.312	.25
102	MP4B	Mx	.007	.25
103	MP4B	X	0	5.75
104	MP4B	Z	-17.312	5.75
105	MP4B	Mx	.007	5.75
106	MP4C	X	0	.25
107	MP4C	Z	-17.312	.25
108	MP4C	Mx	-.007	.25
109	MP4C	X	0	5.75
110	MP4C	Z	-17.312	5.75
111	MP4C	Mx	-.007	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.102	.5
2	MP2A	Z	-8.837	.5
3	MP2A	Mx	-.008	.5
4	MP2A	X	5.102	5.5
5	MP2A	Z	-8.837	5.5
6	MP2A	Mx	-.008	5.5
7	MP2B	X	3.685	.5
8	MP2B	Z	-6.383	.5
9	MP2B	Mx	.004	.5
10	MP2B	X	3.685	5.5
11	MP2B	Z	-6.383	5.5
12	MP2B	Mx	.004	5.5
13	MP2C	X	5.102	.5
14	MP2C	Z	-8.837	.5
15	MP2C	Mx	.003	.5
16	MP2C	X	5.102	5.5
17	MP2C	Z	-8.837	5.5
18	MP2C	Mx	.003	5.5
19	MP2A	X	5.102	.5
20	MP2A	Z	-8.837	.5
21	MP2A	Mx	.003	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	5.102	5.5
23	MP2A	Z	-8.837	5.5
24	MP2A	Mx	.003	5.5
25	MP2B	X	3.685	.5
26	MP2B	Z	-6.383	.5
27	MP2B	Mx	.004	.5
28	MP2B	X	3.685	5.5
29	MP2B	Z	-6.383	5.5
30	MP2B	Mx	.004	5.5
31	MP2C	X	5.102	.5
32	MP2C	Z	-8.837	.5
33	MP2C	Mx	-.008	.5
34	MP2C	X	5.102	5.5
35	MP2C	Z	-8.837	5.5
36	MP2C	Mx	-.008	5.5
37	MP3A	X	2.749	2.25
38	MP3A	Z	-4.762	2.25
39	MP3A	Mx	-.001	2.25
40	MP3A	X	2.749	3.75
41	MP3A	Z	-4.762	3.75
42	MP3A	Mx	-.001	3.75
43	MP3B	X	1.269	2.25
44	MP3B	Z	-2.199	2.25
45	MP3B	Mx	.001	2.25
46	MP3B	X	1.269	3.75
47	MP3B	Z	-2.199	3.75
48	MP3B	Mx	.001	3.75
49	MP3C	X	2.749	2.25
50	MP3C	Z	-4.762	2.25
51	MP3C	Mx	-.001	2.25
52	MP3C	X	2.749	3.75
53	MP3C	Z	-4.762	3.75
54	MP3C	Mx	-.001	3.75
55	M101	X	5.602	1.5
56	M101	Z	-9.702	1.5
57	M101	Mx	0	1.5
58	MP1A	X	2.366	2.5
59	MP1A	Z	-4.098	2.5
60	MP1A	Mx	.001	2.5
61	MP1B	X	1.725	2.5
62	MP1B	Z	-2.987	2.5
63	MP1B	Mx	-.002	2.5
64	MP1C	X	2.366	2.5
65	MP1C	Z	-4.098	2.5
66	MP1C	Mx	.001	2.5
67	MP2A	X	2.327	2.5
68	MP2A	Z	-4.031	2.5
69	MP2A	Mx	.001	2.5
70	MP2B	X	1.569	2.5
71	MP2B	Z	-2.718	2.5
72	MP2B	Mx	-.002	2.5
73	MP2C	X	2.327	2.5
74	MP2C	Z	-4.031	2.5
75	MP2C	Mx	.001	2.5
76	MP1A	X	9.172	.25
77	MP1A	Z	-15.887	.25
78	MP1A	Mx	-.005	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP1A	X	9.172	5.75
80	MP1A	Z	-15.887	5.75
81	MP1A	Mx	-.005	5.75
82	MP1B	X	8.398	.25
83	MP1B	Z	-14.546	.25
84	MP1B	Mx	.008	.25
85	MP1B	X	8.398	5.75
86	MP1B	Z	-14.546	5.75
87	MP1B	Mx	.008	5.75
88	MP1C	X	9.172	.25
89	MP1C	Z	-15.887	.25
90	MP1C	Mx	-.005	.25
91	MP1C	X	9.172	5.75
92	MP1C	Z	-15.887	5.75
93	MP1C	Mx	-.005	5.75
94	MP4A	X	9.172	.25
95	MP4A	Z	-15.887	.25
96	MP4A	Mx	-.005	.25
97	MP4A	X	9.172	5.75
98	MP4A	Z	-15.887	5.75
99	MP4A	Mx	-.005	5.75
100	MP4B	X	8.398	.25
101	MP4B	Z	-14.546	.25
102	MP4B	Mx	.008	.25
103	MP4B	X	8.398	5.75
104	MP4B	Z	-14.546	5.75
105	MP4B	Mx	.008	5.75
106	MP4C	X	9.172	.25
107	MP4C	Z	-15.887	.25
108	MP4C	Mx	-.005	.25
109	MP4C	X	9.172	5.75
110	MP4C	Z	-15.887	5.75
111	MP4C	Mx	-.005	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.201	.5
2	MP2A	Z	-4.157	.5
3	MP2A	Mx	-.006	.5
4	MP2A	X	7.201	5.5
5	MP2A	Z	-4.157	5.5
6	MP2A	Mx	-.006	5.5
7	MP2B	X	7.201	.5
8	MP2B	Z	-4.157	.5
9	MP2B	Mx	.001	.5
10	MP2B	X	7.201	5.5
11	MP2B	Z	-4.157	5.5
12	MP2B	Mx	.001	5.5
13	MP2C	X	9.655	.5
14	MP2C	Z	-5.574	.5
15	MP2C	Mx	.007	.5
16	MP2C	X	9.655	5.5
17	MP2C	Z	-5.574	5.5
18	MP2C	Mx	.007	5.5
19	MP2A	X	7.201	.5
20	MP2A	Z	-4.157	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP2A	Mx	-.001	.5
22	MP2A	X	7.201	5.5
23	MP2A	Z	-4.157	5.5
24	MP2A	Mx	-.001	5.5
25	MP2B	X	7.201	.5
26	MP2B	Z	-4.157	.5
27	MP2B	Mx	.006	.5
28	MP2B	X	7.201	5.5
29	MP2B	Z	-4.157	5.5
30	MP2B	Mx	.006	5.5
31	MP2C	X	9.655	.5
32	MP2C	Z	-5.574	.5
33	MP2C	Mx	-.007	.5
34	MP2C	X	9.655	5.5
35	MP2C	Z	-5.574	5.5
36	MP2C	Mx	-.007	5.5
37	MP3A	X	3.053	2.25
38	MP3A	Z	-1.763	2.25
39	MP3A	Mx	-.002	2.25
40	MP3A	X	3.053	3.75
41	MP3A	Z	-1.763	3.75
42	MP3A	Mx	-.002	3.75
43	MP3B	X	3.053	2.25
44	MP3B	Z	-1.763	2.25
45	MP3B	Mx	.002	2.25
46	MP3B	X	3.053	3.75
47	MP3B	Z	-1.763	3.75
48	MP3B	Mx	.002	3.75
49	MP3C	X	5.616	2.25
50	MP3C	Z	-3.242	2.25
51	MP3C	Mx	0	2.25
52	MP3C	X	5.616	3.75
53	MP3C	Z	-3.242	3.75
54	MP3C	Mx	0	3.75
55	M101	X	9.127	1.5
56	M101	Z	-5.27	1.5
57	M101	Mx	0	1.5
58	MP1A	X	3.358	2.5
59	MP1A	Z	-1.939	2.5
60	MP1A	Mx	.002	2.5
61	MP1B	X	3.358	2.5
62	MP1B	Z	-1.939	2.5
63	MP1B	Mx	-.002	2.5
64	MP1C	X	4.469	2.5
65	MP1C	Z	-2.58	2.5
66	MP1C	Mx	0	2.5
67	MP2A	X	3.156	2.5
68	MP2A	Z	-1.822	2.5
69	MP2A	Mx	.002	2.5
70	MP2B	X	3.156	2.5
71	MP2B	Z	-1.822	2.5
72	MP2B	Mx	-.002	2.5
73	MP2C	X	4.469	2.5
74	MP2C	Z	-2.58	2.5
75	MP2C	Mx	0	2.5
76	MP1A	X	14.993	.25
77	MP1A	Z	-8.656	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP1A	Mx	-.007	.25
79	MP1A	X	14.993	5.75
80	MP1A	Z	-8.656	5.75
81	MP1A	Mx	-.007	5.75
82	MP1B	X	14.993	.25
83	MP1B	Z	-8.656	.25
84	MP1B	Mx	.007	.25
85	MP1B	X	14.993	5.75
86	MP1B	Z	-8.656	5.75
87	MP1B	Mx	.007	5.75
88	MP1C	X	16.334	.25
89	MP1C	Z	-9.43	.25
90	MP1C	Mx	0	.25
91	MP1C	X	16.334	5.75
92	MP1C	Z	-9.43	5.75
93	MP1C	Mx	0	5.75
94	MP4A	X	14.993	.25
95	MP4A	Z	-8.656	.25
96	MP4A	Mx	-.007	.25
97	MP4A	X	14.993	5.75
98	MP4A	Z	-8.656	5.75
99	MP4A	Mx	-.007	5.75
100	MP4B	X	14.993	.25
101	MP4B	Z	-8.656	.25
102	MP4B	Mx	.007	.25
103	MP4B	X	14.993	5.75
104	MP4B	Z	-8.656	5.75
105	MP4B	Mx	.007	5.75
106	MP4C	X	16.334	.25
107	MP4C	Z	-9.43	.25
108	MP4C	Mx	0	.25
109	MP4C	X	16.334	5.75
110	MP4C	Z	-9.43	5.75
111	MP4C	Mx	0	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.37	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.004	.5
4	MP2A	X	7.37	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.004	5.5
7	MP2B	X	10.204	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.003	.5
10	MP2B	X	10.204	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.003	5.5
13	MP2C	X	10.204	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.008	.5
16	MP2C	X	10.204	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.008	5.5
19	MP2A	X	7.37	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP2A	Z	0	.5
21	MP2A	Mx	-.004	.5
22	MP2A	X	7.37	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.004	5.5
25	MP2B	X	10.204	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.008	.5
28	MP2B	X	10.204	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.008	5.5
31	MP2C	X	10.204	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.003	.5
34	MP2C	X	10.204	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.003	5.5
37	MP3A	X	2.539	2.25
38	MP3A	Z	0	2.25
39	MP3A	Mx	-.001	2.25
40	MP3A	X	2.539	3.75
41	MP3A	Z	0	3.75
42	MP3A	Mx	-.001	3.75
43	MP3B	X	5.498	2.25
44	MP3B	Z	0	2.25
45	MP3B	Mx	.001	2.25
46	MP3B	X	5.498	3.75
47	MP3B	Z	0	3.75
48	MP3B	Mx	.001	3.75
49	MP3C	X	5.498	2.25
50	MP3C	Z	0	2.25
51	MP3C	Mx	.001	2.25
52	MP3C	X	5.498	3.75
53	MP3C	Z	0	3.75
54	MP3C	Mx	.001	3.75
55	M101	X	9.211	1.5
56	M101	Z	0	1.5
57	M101	Mx	0	1.5
58	MP1A	X	3.449	2.5
59	MP1A	Z	0	2.5
60	MP1A	Mx	.002	2.5
61	MP1B	X	4.732	2.5
62	MP1B	Z	0	2.5
63	MP1B	Mx	-.001	2.5
64	MP1C	X	4.732	2.5
65	MP1C	Z	0	2.5
66	MP1C	Mx	-.001	2.5
67	MP2A	X	3.139	2.5
68	MP2A	Z	0	2.5
69	MP2A	Mx	.002	2.5
70	MP2B	X	4.655	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	-.001	2.5
73	MP2C	X	4.655	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	-.001	2.5
76	MP1A	X	16.796	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP1A	Z	0	.25
78	MP1A	Mx	-.008	.25
79	MP1A	X	16.796	5.75
80	MP1A	Z	0	5.75
81	MP1A	Mx	-.008	5.75
82	MP1B	X	18.345	.25
83	MP1B	Z	0	.25
84	MP1B	Mx	.005	.25
85	MP1B	X	18.345	5.75
86	MP1B	Z	0	5.75
87	MP1B	Mx	.005	5.75
88	MP1C	X	18.345	.25
89	MP1C	Z	0	.25
90	MP1C	Mx	.005	.25
91	MP1C	X	18.345	5.75
92	MP1C	Z	0	5.75
93	MP1C	Mx	.005	5.75
94	MP4A	X	16.796	.25
95	MP4A	Z	0	.25
96	MP4A	Mx	-.008	.25
97	MP4A	X	16.796	5.75
98	MP4A	Z	0	5.75
99	MP4A	Mx	-.008	5.75
100	MP4B	X	18.345	.25
101	MP4B	Z	0	.25
102	MP4B	Mx	.005	.25
103	MP4B	X	18.345	5.75
104	MP4B	Z	0	5.75
105	MP4B	Mx	.005	5.75
106	MP4C	X	18.345	.25
107	MP4C	Z	0	.25
108	MP4C	Mx	.005	.25
109	MP4C	X	18.345	5.75
110	MP4C	Z	0	5.75
111	MP4C	Mx	.005	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.201	.5
2	MP2A	Z	4.157	.5
3	MP2A	Mx	-.001	.5
4	MP2A	X	7.201	5.5
5	MP2A	Z	4.157	5.5
6	MP2A	Mx	-.001	5.5
7	MP2B	X	9.655	.5
8	MP2B	Z	5.574	.5
9	MP2B	Mx	-.007	.5
10	MP2B	X	9.655	5.5
11	MP2B	Z	5.574	5.5
12	MP2B	Mx	-.007	5.5
13	MP2C	X	7.201	.5
14	MP2C	Z	4.157	.5
15	MP2C	Mx	.006	.5
16	MP2C	X	7.201	5.5
17	MP2C	Z	4.157	5.5
18	MP2C	Mx	.006	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	7.201	.5
20	MP2A	Z	4.157	.5
21	MP2A	Mx	-.006	.5
22	MP2A	X	7.201	5.5
23	MP2A	Z	4.157	5.5
24	MP2A	Mx	-.006	5.5
25	MP2B	X	9.655	.5
26	MP2B	Z	5.574	.5
27	MP2B	Mx	.007	.5
28	MP2B	X	9.655	5.5
29	MP2B	Z	5.574	5.5
30	MP2B	Mx	.007	5.5
31	MP2C	X	7.201	.5
32	MP2C	Z	4.157	.5
33	MP2C	Mx	.001	.5
34	MP2C	X	7.201	5.5
35	MP2C	Z	4.157	5.5
36	MP2C	Mx	.001	5.5
37	MP3A	X	3.053	2.25
38	MP3A	Z	1.763	2.25
39	MP3A	Mx	-.002	2.25
40	MP3A	X	3.053	3.75
41	MP3A	Z	1.763	3.75
42	MP3A	Mx	-.002	3.75
43	MP3B	X	5.616	2.25
44	MP3B	Z	3.242	2.25
45	MP3B	Mx	0	2.25
46	MP3B	X	5.616	3.75
47	MP3B	Z	3.242	3.75
48	MP3B	Mx	0	3.75
49	MP3C	X	3.053	2.25
50	MP3C	Z	1.763	2.25
51	MP3C	Mx	.002	2.25
52	MP3C	X	3.053	3.75
53	MP3C	Z	1.763	3.75
54	MP3C	Mx	.002	3.75
55	M101	X	7.402	1.5
56	M101	Z	4.274	1.5
57	M101	Mx	0	1.5
58	MP1A	X	3.358	2.5
59	MP1A	Z	1.939	2.5
60	MP1A	Mx	.002	2.5
61	MP1B	X	4.469	2.5
62	MP1B	Z	2.58	2.5
63	MP1B	Mx	0	2.5
64	MP1C	X	3.358	2.5
65	MP1C	Z	1.939	2.5
66	MP1C	Mx	-.002	2.5
67	MP2A	X	3.156	2.5
68	MP2A	Z	1.822	2.5
69	MP2A	Mx	.002	2.5
70	MP2B	X	4.469	2.5
71	MP2B	Z	2.58	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	3.156	2.5
74	MP2C	Z	1.822	2.5
75	MP2C	Mx	-.002	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP1A	X	14.993	.25
77	MP1A	Z	8.656	.25
78	MP1A	Mx	-.007	.25
79	MP1A	X	14.993	5.75
80	MP1A	Z	8.656	5.75
81	MP1A	Mx	-.007	5.75
82	MP1B	X	16.334	.25
83	MP1B	Z	9.43	.25
84	MP1B	Mx	0	.25
85	MP1B	X	16.334	5.75
86	MP1B	Z	9.43	5.75
87	MP1B	Mx	0	5.75
88	MP1C	X	14.993	.25
89	MP1C	Z	8.656	.25
90	MP1C	Mx	.007	.25
91	MP1C	X	14.993	5.75
92	MP1C	Z	8.656	5.75
93	MP1C	Mx	.007	5.75
94	MP4A	X	14.993	.25
95	MP4A	Z	8.656	.25
96	MP4A	Mx	-.007	.25
97	MP4A	X	14.993	5.75
98	MP4A	Z	8.656	5.75
99	MP4A	Mx	-.007	5.75
100	MP4B	X	16.334	.25
101	MP4B	Z	9.43	.25
102	MP4B	Mx	0	.25
103	MP4B	X	16.334	5.75
104	MP4B	Z	9.43	5.75
105	MP4B	Mx	0	5.75
106	MP4C	X	14.993	.25
107	MP4C	Z	8.656	.25
108	MP4C	Mx	.007	.25
109	MP4C	X	14.993	5.75
110	MP4C	Z	8.656	5.75
111	MP4C	Mx	.007	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.102	.5
2	MP2A	Z	8.837	.5
3	MP2A	Mx	.003	.5
4	MP2A	X	5.102	5.5
5	MP2A	Z	8.837	5.5
6	MP2A	Mx	.003	5.5
7	MP2B	X	5.102	.5
8	MP2B	Z	8.837	.5
9	MP2B	Mx	-.008	.5
10	MP2B	X	5.102	5.5
11	MP2B	Z	8.837	5.5
12	MP2B	Mx	-.008	5.5
13	MP2C	X	3.685	.5
14	MP2C	Z	6.383	.5
15	MP2C	Mx	.004	.5
16	MP2C	X	3.685	5.5
17	MP2C	Z	6.383	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	.004	5.5
19	MP2A	X	5.102	.5
20	MP2A	Z	8.837	.5
21	MP2A	Mx	-.008	.5
22	MP2A	X	5.102	5.5
23	MP2A	Z	8.837	5.5
24	MP2A	Mx	-.008	5.5
25	MP2B	X	5.102	.5
26	MP2B	Z	8.837	.5
27	MP2B	Mx	.003	.5
28	MP2B	X	5.102	5.5
29	MP2B	Z	8.837	5.5
30	MP2B	Mx	.003	5.5
31	MP2C	X	3.685	.5
32	MP2C	Z	6.383	.5
33	MP2C	Mx	.004	.5
34	MP2C	X	3.685	5.5
35	MP2C	Z	6.383	5.5
36	MP2C	Mx	.004	5.5
37	MP3A	X	2.749	2.25
38	MP3A	Z	4.762	2.25
39	MP3A	Mx	-.001	2.25
40	MP3A	X	2.749	3.75
41	MP3A	Z	4.762	3.75
42	MP3A	Mx	-.001	3.75
43	MP3B	X	2.749	2.25
44	MP3B	Z	4.762	2.25
45	MP3B	Mx	-.001	2.25
46	MP3B	X	2.749	3.75
47	MP3B	Z	4.762	3.75
48	MP3B	Mx	-.001	3.75
49	MP3C	X	1.269	2.25
50	MP3C	Z	2.199	2.25
51	MP3C	Mx	.001	2.25
52	MP3C	X	1.269	3.75
53	MP3C	Z	2.199	3.75
54	MP3C	Mx	.001	3.75
55	M101	X	4.606	1.5
56	M101	Z	7.977	1.5
57	M101	Mx	0	1.5
58	MP1A	X	2.366	2.5
59	MP1A	Z	4.098	2.5
60	MP1A	Mx	.001	2.5
61	MP1B	X	2.366	2.5
62	MP1B	Z	4.098	2.5
63	MP1B	Mx	.001	2.5
64	MP1C	X	1.725	2.5
65	MP1C	Z	2.987	2.5
66	MP1C	Mx	-.002	2.5
67	MP2A	X	2.327	2.5
68	MP2A	Z	4.031	2.5
69	MP2A	Mx	.001	2.5
70	MP2B	X	2.327	2.5
71	MP2B	Z	4.031	2.5
72	MP2B	Mx	.001	2.5
73	MP2C	X	1.569	2.5
74	MP2C	Z	2.718	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2C	Mx	-.002	2.5
76	MP1A	X	9.172	.25
77	MP1A	Z	15.887	.25
78	MP1A	Mx	-.005	.25
79	MP1A	X	9.172	5.75
80	MP1A	Z	15.887	5.75
81	MP1A	Mx	-.005	5.75
82	MP1B	X	9.172	.25
83	MP1B	Z	15.887	.25
84	MP1B	Mx	-.005	.25
85	MP1B	X	9.172	5.75
86	MP1B	Z	15.887	5.75
87	MP1B	Mx	-.005	5.75
88	MP1C	X	8.398	.25
89	MP1C	Z	14.546	.25
90	MP1C	Mx	.008	.25
91	MP1C	X	8.398	5.75
92	MP1C	Z	14.546	5.75
93	MP1C	Mx	.008	5.75
94	MP4A	X	9.172	.25
95	MP4A	Z	15.887	.25
96	MP4A	Mx	-.005	.25
97	MP4A	X	9.172	5.75
98	MP4A	Z	15.887	5.75
99	MP4A	Mx	-.005	5.75
100	MP4B	X	9.172	.25
101	MP4B	Z	15.887	.25
102	MP4B	Mx	-.005	.25
103	MP4B	X	9.172	5.75
104	MP4B	Z	15.887	5.75
105	MP4B	Mx	-.005	5.75
106	MP4C	X	8.398	.25
107	MP4C	Z	14.546	.25
108	MP4C	Mx	.008	.25
109	MP4C	X	8.398	5.75
110	MP4C	Z	14.546	5.75
111	MP4C	Mx	.008	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	11.148	.5
3	MP2A	Mx	.007	.5
4	MP2A	X	0	5.5
5	MP2A	Z	11.148	5.5
6	MP2A	Mx	.007	5.5
7	MP2B	X	0	.5
8	MP2B	Z	8.315	.5
9	MP2B	Mx	-.006	.5
10	MP2B	X	0	5.5
11	MP2B	Z	8.315	5.5
12	MP2B	Mx	-.006	5.5
13	MP2C	X	0	.5
14	MP2C	Z	8.315	.5
15	MP2C	Mx	.001	.5
16	MP2C	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	8.315	5.5
18	MP2C	Mx	.001	5.5
19	MP2A	X	0	.5
20	MP2A	Z	11.148	.5
21	MP2A	Mx	-.007	.5
22	MP2A	X	0	5.5
23	MP2A	Z	11.148	5.5
24	MP2A	Mx	-.007	5.5
25	MP2B	X	0	.5
26	MP2B	Z	8.315	.5
27	MP2B	Mx	-.001	.5
28	MP2B	X	0	5.5
29	MP2B	Z	8.315	5.5
30	MP2B	Mx	-.001	5.5
31	MP2C	X	0	.5
32	MP2C	Z	8.315	.5
33	MP2C	Mx	.006	.5
34	MP2C	X	0	5.5
35	MP2C	Z	8.315	5.5
36	MP2C	Mx	.006	5.5
37	MP3A	X	0	2.25
38	MP3A	Z	6.485	2.25
39	MP3A	Mx	0	2.25
40	MP3A	X	0	3.75
41	MP3A	Z	6.485	3.75
42	MP3A	Mx	0	3.75
43	MP3B	X	0	2.25
44	MP3B	Z	3.525	2.25
45	MP3B	Mx	-.002	2.25
46	MP3B	X	0	3.75
47	MP3B	Z	3.525	3.75
48	MP3B	Mx	-.002	3.75
49	MP3C	X	0	2.25
50	MP3C	Z	3.525	2.25
51	MP3C	Mx	.002	2.25
52	MP3C	X	0	3.75
53	MP3C	Z	3.525	3.75
54	MP3C	Mx	.002	3.75
55	M101	X	0	1.5
56	M101	Z	10.539	1.5
57	M101	Mx	0	1.5
58	MP1A	X	0	2.5
59	MP1A	Z	5.16	2.5
60	MP1A	Mx	0	2.5
61	MP1B	X	0	2.5
62	MP1B	Z	3.877	2.5
63	MP1B	Mx	.002	2.5
64	MP1C	X	0	2.5
65	MP1C	Z	3.877	2.5
66	MP1C	Mx	-.002	2.5
67	MP2A	X	0	2.5
68	MP2A	Z	5.16	2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	3.644	2.5
72	MP2B	Mx	.002	2.5
73	MP2C	X	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2C	Z	3.644	2.5
75	MP2C	Mx	-.002	2.5
76	MP1A	X	0	.25
77	MP1A	Z	18.861	.25
78	MP1A	Mx	0	.25
79	MP1A	X	0	5.75
80	MP1A	Z	18.861	5.75
81	MP1A	Mx	0	5.75
82	MP1B	X	0	.25
83	MP1B	Z	17.312	.25
84	MP1B	Mx	-.007	.25
85	MP1B	X	0	5.75
86	MP1B	Z	17.312	5.75
87	MP1B	Mx	-.007	5.75
88	MP1C	X	0	.25
89	MP1C	Z	17.312	.25
90	MP1C	Mx	.007	.25
91	MP1C	X	0	5.75
92	MP1C	Z	17.312	5.75
93	MP1C	Mx	.007	5.75
94	MP4A	X	0	.25
95	MP4A	Z	18.861	.25
96	MP4A	Mx	0	.25
97	MP4A	X	0	5.75
98	MP4A	Z	18.861	5.75
99	MP4A	Mx	0	5.75
100	MP4B	X	0	.25
101	MP4B	Z	17.312	.25
102	MP4B	Mx	-.007	.25
103	MP4B	X	0	5.75
104	MP4B	Z	17.312	5.75
105	MP4B	Mx	-.007	5.75
106	MP4C	X	0	.25
107	MP4C	Z	17.312	.25
108	MP4C	Mx	.007	.25
109	MP4C	X	0	5.75
110	MP4C	Z	17.312	5.75
111	MP4C	Mx	.007	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.102	.5
2	MP2A	Z	8.837	.5
3	MP2A	Mx	.008	.5
4	MP2A	X	-5.102	5.5
5	MP2A	Z	8.837	5.5
6	MP2A	Mx	.008	5.5
7	MP2B	X	-3.685	.5
8	MP2B	Z	6.383	.5
9	MP2B	Mx	-.004	.5
10	MP2B	X	-3.685	5.5
11	MP2B	Z	6.383	5.5
12	MP2B	Mx	-.004	5.5
13	MP2C	X	-5.102	.5
14	MP2C	Z	8.837	.5
15	MP2C	Mx	-.003	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP2C	X	-5.102	5.5
17	MP2C	Z	8.837	5.5
18	MP2C	Mx	-.003	5.5
19	MP2A	X	-5.102	.5
20	MP2A	Z	8.837	.5
21	MP2A	Mx	-.003	.5
22	MP2A	X	-5.102	5.5
23	MP2A	Z	8.837	5.5
24	MP2A	Mx	-.003	5.5
25	MP2B	X	-3.685	.5
26	MP2B	Z	6.383	.5
27	MP2B	Mx	-.004	.5
28	MP2B	X	-3.685	5.5
29	MP2B	Z	6.383	5.5
30	MP2B	Mx	-.004	5.5
31	MP2C	X	-5.102	.5
32	MP2C	Z	8.837	.5
33	MP2C	Mx	.008	.5
34	MP2C	X	-5.102	5.5
35	MP2C	Z	8.837	5.5
36	MP2C	Mx	.008	5.5
37	MP3A	X	-2.749	2.25
38	MP3A	Z	4.762	2.25
39	MP3A	Mx	.001	2.25
40	MP3A	X	-2.749	3.75
41	MP3A	Z	4.762	3.75
42	MP3A	Mx	.001	3.75
43	MP3B	X	-1.269	2.25
44	MP3B	Z	2.199	2.25
45	MP3B	Mx	-.001	2.25
46	MP3B	X	-1.269	3.75
47	MP3B	Z	2.199	3.75
48	MP3B	Mx	-.001	3.75
49	MP3C	X	-2.749	2.25
50	MP3C	Z	4.762	2.25
51	MP3C	Mx	.001	2.25
52	MP3C	X	-2.749	3.75
53	MP3C	Z	4.762	3.75
54	MP3C	Mx	.001	3.75
55	M101	X	-5.602	1.5
56	M101	Z	9.702	1.5
57	M101	Mx	0	1.5
58	MP1A	X	-2.366	2.5
59	MP1A	Z	4.098	2.5
60	MP1A	Mx	-.001	2.5
61	MP1B	X	-1.725	2.5
62	MP1B	Z	2.987	2.5
63	MP1B	Mx	.002	2.5
64	MP1C	X	-2.366	2.5
65	MP1C	Z	4.098	2.5
66	MP1C	Mx	-.001	2.5
67	MP2A	X	-2.327	2.5
68	MP2A	Z	4.031	2.5
69	MP2A	Mx	-.001	2.5
70	MP2B	X	-1.569	2.5
71	MP2B	Z	2.718	2.5
72	MP2B	Mx	.002	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP2C	X	-2.327	2.5
74	MP2C	Z	4.031	2.5
75	MP2C	Mx	-.001	2.5
76	MP1A	X	-9.172	.25
77	MP1A	Z	15.887	.25
78	MP1A	Mx	.005	.25
79	MP1A	X	-9.172	5.75
80	MP1A	Z	15.887	5.75
81	MP1A	Mx	.005	5.75
82	MP1B	X	-8.398	.25
83	MP1B	Z	14.546	.25
84	MP1B	Mx	-.008	.25
85	MP1B	X	-8.398	5.75
86	MP1B	Z	14.546	5.75
87	MP1B	Mx	-.008	5.75
88	MP1C	X	-9.172	.25
89	MP1C	Z	15.887	.25
90	MP1C	Mx	.005	.25
91	MP1C	X	-9.172	5.75
92	MP1C	Z	15.887	5.75
93	MP1C	Mx	.005	5.75
94	MP4A	X	-9.172	.25
95	MP4A	Z	15.887	.25
96	MP4A	Mx	.005	.25
97	MP4A	X	-9.172	5.75
98	MP4A	Z	15.887	5.75
99	MP4A	Mx	.005	5.75
100	MP4B	X	-8.398	.25
101	MP4B	Z	14.546	.25
102	MP4B	Mx	-.008	.25
103	MP4B	X	-8.398	5.75
104	MP4B	Z	14.546	5.75
105	MP4B	Mx	-.008	5.75
106	MP4C	X	-9.172	.25
107	MP4C	Z	15.887	.25
108	MP4C	Mx	.005	.25
109	MP4C	X	-9.172	5.75
110	MP4C	Z	15.887	5.75
111	MP4C	Mx	.005	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.201	.5
2	MP2A	Z	4.157	.5
3	MP2A	Mx	.006	.5
4	MP2A	X	-7.201	5.5
5	MP2A	Z	4.157	5.5
6	MP2A	Mx	.006	5.5
7	MP2B	X	-7.201	.5
8	MP2B	Z	4.157	.5
9	MP2B	Mx	-.001	.5
10	MP2B	X	-7.201	5.5
11	MP2B	Z	4.157	5.5
12	MP2B	Mx	-.001	5.5
13	MP2C	X	-9.655	.5
14	MP2C	Z	5.574	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2C	Mx	-.007	.5
16	MP2C	X	-9.655	5.5
17	MP2C	Z	5.574	5.5
18	MP2C	Mx	-.007	5.5
19	MP2A	X	-7.201	.5
20	MP2A	Z	4.157	.5
21	MP2A	Mx	.001	.5
22	MP2A	X	-7.201	5.5
23	MP2A	Z	4.157	5.5
24	MP2A	Mx	.001	5.5
25	MP2B	X	-7.201	.5
26	MP2B	Z	4.157	.5
27	MP2B	Mx	-.006	.5
28	MP2B	X	-7.201	5.5
29	MP2B	Z	4.157	5.5
30	MP2B	Mx	-.006	5.5
31	MP2C	X	-9.655	.5
32	MP2C	Z	5.574	.5
33	MP2C	Mx	.007	.5
34	MP2C	X	-9.655	5.5
35	MP2C	Z	5.574	5.5
36	MP2C	Mx	.007	5.5
37	MP3A	X	-3.053	2.25
38	MP3A	Z	1.763	2.25
39	MP3A	Mx	.002	2.25
40	MP3A	X	-3.053	3.75
41	MP3A	Z	1.763	3.75
42	MP3A	Mx	.002	3.75
43	MP3B	X	-3.053	2.25
44	MP3B	Z	1.763	2.25
45	MP3B	Mx	-.002	2.25
46	MP3B	X	-3.053	3.75
47	MP3B	Z	1.763	3.75
48	MP3B	Mx	-.002	3.75
49	MP3C	X	-5.616	2.25
50	MP3C	Z	3.242	2.25
51	MP3C	Mx	0	2.25
52	MP3C	X	-5.616	3.75
53	MP3C	Z	3.242	3.75
54	MP3C	Mx	0	3.75
55	M101	X	-9.127	1.5
56	M101	Z	5.27	1.5
57	M101	Mx	0	1.5
58	MP1A	X	-3.358	2.5
59	MP1A	Z	1.939	2.5
60	MP1A	Mx	-.002	2.5
61	MP1B	X	-3.358	2.5
62	MP1B	Z	1.939	2.5
63	MP1B	Mx	.002	2.5
64	MP1C	X	-4.469	2.5
65	MP1C	Z	2.58	2.5
66	MP1C	Mx	0	2.5
67	MP2A	X	-3.156	2.5
68	MP2A	Z	1.822	2.5
69	MP2A	Mx	-.002	2.5
70	MP2B	X	-3.156	2.5
71	MP2B	Z	1.822	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2B	Mx	.002	2.5
73	MP2C	X	-4.469	2.5
74	MP2C	Z	2.58	2.5
75	MP2C	Mx	0	2.5
76	MP1A	X	-14.993	.25
77	MP1A	Z	8.656	.25
78	MP1A	Mx	.007	.25
79	MP1A	X	-14.993	5.75
80	MP1A	Z	8.656	5.75
81	MP1A	Mx	.007	5.75
82	MP1B	X	-14.993	.25
83	MP1B	Z	8.656	.25
84	MP1B	Mx	-.007	.25
85	MP1B	X	-14.993	5.75
86	MP1B	Z	8.656	5.75
87	MP1B	Mx	-.007	5.75
88	MP1C	X	-16.334	.25
89	MP1C	Z	9.43	.25
90	MP1C	Mx	0	.25
91	MP1C	X	-16.334	5.75
92	MP1C	Z	9.43	5.75
93	MP1C	Mx	0	5.75
94	MP4A	X	-14.993	.25
95	MP4A	Z	8.656	.25
96	MP4A	Mx	.007	.25
97	MP4A	X	-14.993	5.75
98	MP4A	Z	8.656	5.75
99	MP4A	Mx	.007	5.75
100	MP4B	X	-14.993	.25
101	MP4B	Z	8.656	.25
102	MP4B	Mx	-.007	.25
103	MP4B	X	-14.993	5.75
104	MP4B	Z	8.656	5.75
105	MP4B	Mx	-.007	5.75
106	MP4C	X	-16.334	.25
107	MP4C	Z	9.43	.25
108	MP4C	Mx	0	.25
109	MP4C	X	-16.334	5.75
110	MP4C	Z	9.43	5.75
111	MP4C	Mx	0	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.37	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.004	.5
4	MP2A	X	-7.37	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.004	5.5
7	MP2B	X	-10.204	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.003	.5
10	MP2B	X	-10.204	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.003	5.5
13	MP2C	X	-10.204	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP2C	Z	0	.5
15	MP2C	Mx	-.008	.5
16	MP2C	X	-10.204	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-.008	5.5
19	MP2A	X	-7.37	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.004	.5
22	MP2A	X	-7.37	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.004	5.5
25	MP2B	X	-10.204	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.008	.5
28	MP2B	X	-10.204	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.008	5.5
31	MP2C	X	-10.204	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.003	.5
34	MP2C	X	-10.204	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.003	5.5
37	MP3A	X	-2.539	2.25
38	MP3A	Z	0	2.25
39	MP3A	Mx	.001	2.25
40	MP3A	X	-2.539	3.75
41	MP3A	Z	0	3.75
42	MP3A	Mx	.001	3.75
43	MP3B	X	-5.498	2.25
44	MP3B	Z	0	2.25
45	MP3B	Mx	-.001	2.25
46	MP3B	X	-5.498	3.75
47	MP3B	Z	0	3.75
48	MP3B	Mx	-.001	3.75
49	MP3C	X	-5.498	2.25
50	MP3C	Z	0	2.25
51	MP3C	Mx	-.001	2.25
52	MP3C	X	-5.498	3.75
53	MP3C	Z	0	3.75
54	MP3C	Mx	-.001	3.75
55	M101	X	-9.211	1.5
56	M101	Z	0	1.5
57	M101	Mx	0	1.5
58	MP1A	X	-3.449	2.5
59	MP1A	Z	0	2.5
60	MP1A	Mx	-.002	2.5
61	MP1B	X	-4.732	2.5
62	MP1B	Z	0	2.5
63	MP1B	Mx	.001	2.5
64	MP1C	X	-4.732	2.5
65	MP1C	Z	0	2.5
66	MP1C	Mx	.001	2.5
67	MP2A	X	-3.139	2.5
68	MP2A	Z	0	2.5
69	MP2A	Mx	-.002	2.5
70	MP2B	X	-4.655	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP2B	Z	0	2.5
72	MP2B	Mx	.001	2.5
73	MP2C	X	-4.655	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	.001	2.5
76	MP1A	X	-16.796	.25
77	MP1A	Z	0	.25
78	MP1A	Mx	.008	.25
79	MP1A	X	-16.796	5.75
80	MP1A	Z	0	5.75
81	MP1A	Mx	.008	5.75
82	MP1B	X	-18.345	.25
83	MP1B	Z	0	.25
84	MP1B	Mx	-.005	.25
85	MP1B	X	-18.345	5.75
86	MP1B	Z	0	5.75
87	MP1B	Mx	-.005	5.75
88	MP1C	X	-18.345	.25
89	MP1C	Z	0	.25
90	MP1C	Mx	-.005	.25
91	MP1C	X	-18.345	5.75
92	MP1C	Z	0	5.75
93	MP1C	Mx	-.005	5.75
94	MP4A	X	-16.796	.25
95	MP4A	Z	0	.25
96	MP4A	Mx	.008	.25
97	MP4A	X	-16.796	5.75
98	MP4A	Z	0	5.75
99	MP4A	Mx	.008	5.75
100	MP4B	X	-18.345	.25
101	MP4B	Z	0	.25
102	MP4B	Mx	-.005	.25
103	MP4B	X	-18.345	5.75
104	MP4B	Z	0	5.75
105	MP4B	Mx	-.005	5.75
106	MP4C	X	-18.345	.25
107	MP4C	Z	0	.25
108	MP4C	Mx	-.005	.25
109	MP4C	X	-18.345	5.75
110	MP4C	Z	0	5.75
111	MP4C	Mx	-.005	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.201	.5
2	MP2A	Z	-4.157	.5
3	MP2A	Mx	.001	.5
4	MP2A	X	-7.201	5.5
5	MP2A	Z	-4.157	5.5
6	MP2A	Mx	.001	5.5
7	MP2B	X	-9.655	.5
8	MP2B	Z	-5.574	.5
9	MP2B	Mx	.007	.5
10	MP2B	X	-9.655	5.5
11	MP2B	Z	-5.574	5.5
12	MP2B	Mx	.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2C	X	-7.201	.5
14	MP2C	Z	-4.157	.5
15	MP2C	Mx	-.006	.5
16	MP2C	X	-7.201	5.5
17	MP2C	Z	-4.157	5.5
18	MP2C	Mx	-.006	5.5
19	MP2A	X	-7.201	.5
20	MP2A	Z	-4.157	.5
21	MP2A	Mx	.006	.5
22	MP2A	X	-7.201	5.5
23	MP2A	Z	-4.157	5.5
24	MP2A	Mx	.006	5.5
25	MP2B	X	-9.655	.5
26	MP2B	Z	-5.574	.5
27	MP2B	Mx	-.007	.5
28	MP2B	X	-9.655	5.5
29	MP2B	Z	-5.574	5.5
30	MP2B	Mx	-.007	5.5
31	MP2C	X	-7.201	.5
32	MP2C	Z	-4.157	.5
33	MP2C	Mx	-.001	.5
34	MP2C	X	-7.201	5.5
35	MP2C	Z	-4.157	5.5
36	MP2C	Mx	-.001	5.5
37	MP3A	X	-3.053	2.25
38	MP3A	Z	-1.763	2.25
39	MP3A	Mx	.002	2.25
40	MP3A	X	-3.053	3.75
41	MP3A	Z	-1.763	3.75
42	MP3A	Mx	.002	3.75
43	MP3B	X	-5.616	2.25
44	MP3B	Z	-3.242	2.25
45	MP3B	Mx	0	2.25
46	MP3B	X	-5.616	3.75
47	MP3B	Z	-3.242	3.75
48	MP3B	Mx	0	3.75
49	MP3C	X	-3.053	2.25
50	MP3C	Z	-1.763	2.25
51	MP3C	Mx	-.002	2.25
52	MP3C	X	-3.053	3.75
53	MP3C	Z	-1.763	3.75
54	MP3C	Mx	-.002	3.75
55	M101	X	-7.402	1.5
56	M101	Z	-4.274	1.5
57	M101	Mx	0	1.5
58	MP1A	X	-3.358	2.5
59	MP1A	Z	-1.939	2.5
60	MP1A	Mx	-.002	2.5
61	MP1B	X	-4.469	2.5
62	MP1B	Z	-2.58	2.5
63	MP1B	Mx	0	2.5
64	MP1C	X	-3.358	2.5
65	MP1C	Z	-1.939	2.5
66	MP1C	Mx	.002	2.5
67	MP2A	X	-3.156	2.5
68	MP2A	Z	-1.822	2.5
69	MP2A	Mx	-.002	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP2B	X	-4.469	2.5
71	MP2B	Z	-2.58	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	-3.156	2.5
74	MP2C	Z	-1.822	2.5
75	MP2C	Mx	.002	2.5
76	MP1A	X	-14.993	.25
77	MP1A	Z	-8.656	.25
78	MP1A	Mx	.007	.25
79	MP1A	X	-14.993	5.75
80	MP1A	Z	-8.656	5.75
81	MP1A	Mx	.007	5.75
82	MP1B	X	-16.334	.25
83	MP1B	Z	-9.43	.25
84	MP1B	Mx	0	.25
85	MP1B	X	-16.334	5.75
86	MP1B	Z	-9.43	5.75
87	MP1B	Mx	0	5.75
88	MP1C	X	-14.993	.25
89	MP1C	Z	-8.656	.25
90	MP1C	Mx	-.007	.25
91	MP1C	X	-14.993	5.75
92	MP1C	Z	-8.656	5.75
93	MP1C	Mx	-.007	5.75
94	MP4A	X	-14.993	.25
95	MP4A	Z	-8.656	.25
96	MP4A	Mx	.007	.25
97	MP4A	X	-14.993	5.75
98	MP4A	Z	-8.656	5.75
99	MP4A	Mx	.007	5.75
100	MP4B	X	-16.334	.25
101	MP4B	Z	-9.43	.25
102	MP4B	Mx	0	.25
103	MP4B	X	-16.334	5.75
104	MP4B	Z	-9.43	5.75
105	MP4B	Mx	0	5.75
106	MP4C	X	-14.993	.25
107	MP4C	Z	-8.656	.25
108	MP4C	Mx	-.007	.25
109	MP4C	X	-14.993	5.75
110	MP4C	Z	-8.656	5.75
111	MP4C	Mx	-.007	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.102	.5
2	MP2A	Z	-8.837	.5
3	MP2A	Mx	-.003	.5
4	MP2A	X	-5.102	5.5
5	MP2A	Z	-8.837	5.5
6	MP2A	Mx	-.003	5.5
7	MP2B	X	-5.102	.5
8	MP2B	Z	-8.837	.5
9	MP2B	Mx	.008	.5
10	MP2B	X	-5.102	5.5
11	MP2B	Z	-8.837	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	.008	5.5
13	MP2C	X	-3.685	.5
14	MP2C	Z	-6.383	.5
15	MP2C	Mx	-.004	.5
16	MP2C	X	-3.685	5.5
17	MP2C	Z	-6.383	5.5
18	MP2C	Mx	-.004	5.5
19	MP2A	X	-5.102	.5
20	MP2A	Z	-8.837	.5
21	MP2A	Mx	.008	.5
22	MP2A	X	-5.102	5.5
23	MP2A	Z	-8.837	5.5
24	MP2A	Mx	.008	5.5
25	MP2B	X	-5.102	.5
26	MP2B	Z	-8.837	.5
27	MP2B	Mx	-.003	.5
28	MP2B	X	-5.102	5.5
29	MP2B	Z	-8.837	5.5
30	MP2B	Mx	-.003	5.5
31	MP2C	X	-3.685	.5
32	MP2C	Z	-6.383	.5
33	MP2C	Mx	-.004	.5
34	MP2C	X	-3.685	5.5
35	MP2C	Z	-6.383	5.5
36	MP2C	Mx	-.004	5.5
37	MP3A	X	-2.749	2.25
38	MP3A	Z	-4.762	2.25
39	MP3A	Mx	.001	2.25
40	MP3A	X	-2.749	3.75
41	MP3A	Z	-4.762	3.75
42	MP3A	Mx	.001	3.75
43	MP3B	X	-2.749	2.25
44	MP3B	Z	-4.762	2.25
45	MP3B	Mx	.001	2.25
46	MP3B	X	-2.749	3.75
47	MP3B	Z	-4.762	3.75
48	MP3B	Mx	.001	3.75
49	MP3C	X	-1.269	2.25
50	MP3C	Z	-2.199	2.25
51	MP3C	Mx	-.001	2.25
52	MP3C	X	-1.269	3.75
53	MP3C	Z	-2.199	3.75
54	MP3C	Mx	-.001	3.75
55	M101	X	-4.606	1.5
56	M101	Z	-7.977	1.5
57	M101	Mx	0	1.5
58	MP1A	X	-2.366	2.5
59	MP1A	Z	-4.098	2.5
60	MP1A	Mx	-.001	2.5
61	MP1B	X	-2.366	2.5
62	MP1B	Z	-4.098	2.5
63	MP1B	Mx	-.001	2.5
64	MP1C	X	-1.725	2.5
65	MP1C	Z	-2.987	2.5
66	MP1C	Mx	.002	2.5
67	MP2A	X	-2.327	2.5
68	MP2A	Z	-4.031	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2A	Mx	-.001	2.5
70	MP2B	X	-2.327	2.5
71	MP2B	Z	-4.031	2.5
72	MP2B	Mx	-.001	2.5
73	MP2C	X	-1.569	2.5
74	MP2C	Z	-2.718	2.5
75	MP2C	Mx	.002	2.5
76	MP1A	X	-9.172	.25
77	MP1A	Z	-15.887	.25
78	MP1A	Mx	.005	.25
79	MP1A	X	-9.172	5.75
80	MP1A	Z	-15.887	5.75
81	MP1A	Mx	.005	5.75
82	MP1B	X	-9.172	.25
83	MP1B	Z	-15.887	.25
84	MP1B	Mx	.005	.25
85	MP1B	X	-9.172	5.75
86	MP1B	Z	-15.887	5.75
87	MP1B	Mx	.005	5.75
88	MP1C	X	-8.398	.25
89	MP1C	Z	-14.546	.25
90	MP1C	Mx	-.008	.25
91	MP1C	X	-8.398	5.75
92	MP1C	Z	-14.546	5.75
93	MP1C	Mx	-.008	5.75
94	MP4A	X	-9.172	.25
95	MP4A	Z	-15.887	.25
96	MP4A	Mx	.005	.25
97	MP4A	X	-9.172	5.75
98	MP4A	Z	-15.887	5.75
99	MP4A	Mx	.005	5.75
100	MP4B	X	-9.172	.25
101	MP4B	Z	-15.887	.25
102	MP4B	Mx	.005	.25
103	MP4B	X	-9.172	5.75
104	MP4B	Z	-15.887	5.75
105	MP4B	Mx	.005	5.75
106	MP4C	X	-8.398	.25
107	MP4C	Z	-14.546	.25
108	MP4C	Mx	-.008	.25
109	MP4C	X	-8.398	5.75
110	MP4C	Z	-14.546	5.75
111	MP4C	Mx	-.008	5.75

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-500	%97

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-500	%69

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	Y	-9.885	-9.885	0	%100
2	M10	Y	-9.885	-9.885	0	%100
3	M43	Y	-9.885	-9.885	0	%100
4	M46	Y	-10.411	-10.411	0	%100
5	M51B	Y	-5.797	-5.797	0	%100
6	M52B	Y	-5.797	-5.797	0	%100
7	M76	Y	-10.397	-10.397	0	%100
8	M77	Y	-10.397	-10.397	0	%100
9	M80	Y	-10.411	-10.411	0	%100
10	M84	Y	-10.397	-10.397	0	%100
11	M85	Y	-10.397	-10.397	0	%100
12	M91	Y	-10.411	-10.411	0	%100
13	M25	Y	-9.885	-9.885	0	%100
14	M26	Y	-9.885	-9.885	0	%100
15	M27	Y	-9.885	-9.885	0	%100
16	M28	Y	-10.411	-10.411	0	%100
17	M31	Y	-5.797	-5.797	0	%100
18	M32	Y	-5.797	-5.797	0	%100
19	M36	Y	-10.397	-10.397	0	%100
20	M37	Y	-10.397	-10.397	0	%100
21	M39	Y	-10.411	-10.411	0	%100
22	M41	Y	-10.397	-10.397	0	%100
23	M42	Y	-10.397	-10.397	0	%100
24	M44	Y	-10.411	-10.411	0	%100
25	M49	Y	-9.885	-9.885	0	%100
26	M50A	Y	-9.885	-9.885	0	%100
27	M51C	Y	-9.885	-9.885	0	%100
28	M52A	Y	-10.411	-10.411	0	%100
29	M55	Y	-5.797	-5.797	0	%100
30	M56	Y	-5.797	-5.797	0	%100
31	M60	Y	-10.397	-10.397	0	%100
32	M61	Y	-10.397	-10.397	0	%100
33	M63	Y	-10.411	-10.411	0	%100
34	M65	Y	-10.397	-10.397	0	%100
35	M66	Y	-10.397	-10.397	0	%100
36	M68	Y	-10.411	-10.411	0	%100
37	M73	Y	-6.768	-6.768	0	%100
38	M74	Y	-6.768	-6.768	0	%100
39	M75	Y	-6.768	-6.768	0	%100
40	MP1A	Y	-5.142	-5.142	0	%100
41	MP2A	Y	-5.864	-5.864	0	%100
42	MP3A	Y	-5.142	-5.142	0	%100
43	MP4A	Y	-5.142	-5.142	0	%100
44	MP1C	Y	-5.142	-5.142	0	%100
45	MP2C	Y	-5.864	-5.864	0	%100
46	MP4C	Y	-5.142	-5.142	0	%100
47	MP1B	Y	-5.142	-5.142	0	%100
48	MP2B	Y	-5.864	-5.864	0	%100
49	MP4B	Y	-5.142	-5.142	0	%100
50	M101	Y	-5.142	-5.142	0	%100
51	M104	Y	-5.864	-5.864	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	MP3C	Y	-5.142	-5.142	0	%100
53	M113	Y	-5.864	-5.864	0	%100
54	MP3B	Y	-5.142	-5.142	0	%100
55	M122	Y	-5.864	-5.864	0	%100
56	M123	Y	-7.841	-7.841	0	%100
57	M124	Y	-7.841	-7.841	0	%100
58	M125	Y	-7.841	-7.841	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-13.727	-13.727	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-13.727	-13.727	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-27.381	-27.381	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-3.801	-3.801	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-3.801	-3.801	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	-6.972	-6.972	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-7.343	-7.343	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-6.972	-6.972	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-7.343	-7.343	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-12.167	-12.167	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-3.432	-3.432	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-3.432	-3.432	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-6.845	-6.845	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-3.801	-3.801	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-15.204	-15.204	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	-20.536	-20.536	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-6.972	-6.972	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-7.343	-7.343	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	-20.536	-20.536	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-27.888	-27.888	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	M44	X	0	0	0	%100
48	M44	Z	-29.374	-29.374	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-12.167	-12.167	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	-3.432	-3.432	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	-3.432	-3.432	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	-6.845	-6.845	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	-15.204	-15.204	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-3.801	-3.801	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-20.536	-20.536	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-27.888	-27.888	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-29.374	-29.374	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-20.536	-20.536	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-6.972	-6.972	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-7.343	-7.343	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-14.791	-14.791	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-3.698	-3.698	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-3.698	-3.698	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-10.838	-10.838	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-13.12	-13.12	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-10.838	-10.838	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-10.838	-10.838	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-10.838	-10.838	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-13.12	-13.12	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-10.838	-10.838	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	-10.838	-10.838	0	%100
95	MP2B	X	0	0	0	%100
96	MP2B	Z	-13.12	-13.12	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-10.838	-10.838	0	%100
99	M101	X	0	0	0	%100
100	M101	Z	-8.863	-8.863	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	-13.12	-13.12	0	%100
103	MP3C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
104	MP3C	Z	-10.838	-10.838	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	-3.28	-3.28	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	-10.838	-10.838	0	%100
109	M122	X	0	0	0	%100
110	M122	Z	-3.28	-3.28	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-4.017	-4.017	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-16.07	-16.07	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-4.017	-4.017	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	2.028	2.028	0	%100
2	M4	Z	-3.512	-3.512	0	%100
3	M10	X	5.148	5.148	0	%100
4	M10	Z	-8.916	-8.916	0	%100
5	M43	X	5.148	5.148	0	%100
6	M43	Z	-8.916	-8.916	0	%100
7	M46	X	10.268	10.268	0	%100
8	M46	Z	-17.784	-17.784	0	%100
9	M51B	X	5.702	5.702	0	%100
10	M51B	Z	-9.875	-9.875	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	3.423	3.423	0	%100
14	M76	Z	-5.928	-5.928	0	%100
15	M77	X	10.458	10.458	0	%100
16	M77	Z	-18.114	-18.114	0	%100
17	M80	X	11.015	11.015	0	%100
18	M80	Z	-19.079	-19.079	0	%100
19	M84	X	3.423	3.423	0	%100
20	M84	Z	-5.928	-5.928	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	2.028	2.028	0	%100
26	M25	Z	-3.512	-3.512	0	%100
27	M26	X	5.148	5.148	0	%100
28	M26	Z	-8.916	-8.916	0	%100
29	M27	X	5.148	5.148	0	%100
30	M27	Z	-8.916	-8.916	0	%100
31	M28	X	10.268	10.268	0	%100
32	M28	Z	-17.784	-17.784	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	5.702	5.702	0	%100
36	M32	Z	-9.875	-9.875	0	%100
37	M36	X	3.423	3.423	0	%100
38	M36	Z	-5.928	-5.928	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	3.423	3.423	0	%100
44	M41	Z	-5.928	-5.928	0	%100
45	M42	X	10.458	10.458	0	%100
46	M42	Z	-18.114	-18.114	0	%100
47	M44	X	11.015	11.015	0	%100
48	M44	Z	-19.079	-19.079	0	%100
49	M49	X	8.112	8.112	0	%100
50	M49	Z	-14.05	-14.05	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	5.702	5.702	0	%100
58	M55	Z	-9.875	-9.875	0	%100
59	M56	X	5.702	5.702	0	%100
60	M56	Z	-9.875	-9.875	0	%100
61	M60	X	13.691	13.691	0	%100
62	M60	Z	-23.713	-23.713	0	%100
63	M61	X	10.458	10.458	0	%100
64	M61	Z	-18.114	-18.114	0	%100
65	M63	X	11.015	11.015	0	%100
66	M63	Z	-19.079	-19.079	0	%100
67	M65	X	13.691	13.691	0	%100
68	M65	Z	-23.713	-23.713	0	%100
69	M66	X	10.458	10.458	0	%100
70	M66	Z	-18.114	-18.114	0	%100
71	M68	X	11.015	11.015	0	%100
72	M68	Z	-19.079	-19.079	0	%100
73	M73	X	5.547	5.547	0	%100
74	M73	Z	-9.607	-9.607	0	%100
75	M74	X	5.547	5.547	0	%100
76	M74	Z	-9.607	-9.607	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	5.419	5.419	0	%100
80	MP1A	Z	-9.386	-9.386	0	%100
81	MP2A	X	6.56	6.56	0	%100
82	MP2A	Z	-11.362	-11.362	0	%100
83	MP3A	X	5.419	5.419	0	%100
84	MP3A	Z	-9.386	-9.386	0	%100
85	MP4A	X	5.419	5.419	0	%100
86	MP4A	Z	-9.386	-9.386	0	%100
87	MP1C	X	5.419	5.419	0	%100
88	MP1C	Z	-9.386	-9.386	0	%100
89	MP2C	X	6.56	6.56	0	%100
90	MP2C	Z	-11.362	-11.362	0	%100
91	MP4C	X	5.419	5.419	0	%100
92	MP4C	Z	-9.386	-9.386	0	%100
93	MP1B	X	5.419	5.419	0	%100
94	MP1B	Z	-9.386	-9.386	0	%100
95	MP2B	X	6.56	6.56	0	%100
96	MP2B	Z	-11.362	-11.362	0	%100
97	MP4B	X	5.419	5.419	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
98	MP4B	Z	-9.386	-9.386	0	%100
99	M101	X	4.431	4.431	0	%100
100	M101	Z	-7.676	-7.676	0	%100
101	M104	X	4.92	4.92	0	%100
102	M104	Z	-8.522	-8.522	0	%100
103	MP3C	X	5.419	5.419	0	%100
104	MP3C	Z	-9.386	-9.386	0	%100
105	M113	X	4.92	4.92	0	%100
106	M113	Z	-8.522	-8.522	0	%100
107	MP3B	X	5.419	5.419	0	%100
108	MP3B	Z	-9.386	-9.386	0	%100
109	M122	X	0	0	0	%100
110	M122	Z	0	0	0	%100
111	M123	X	6.026	6.026	0	%100
112	M123	Z	-10.437	-10.437	0	%100
113	M124	X	6.026	6.026	0	%100
114	M124	Z	-10.437	-10.437	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	10.537	10.537	0	%100
2	M4	Z	-6.084	-6.084	0	%100
3	M10	X	2.972	2.972	0	%100
4	M10	Z	-1.716	-1.716	0	%100
5	M43	X	2.972	2.972	0	%100
6	M43	Z	-1.716	-1.716	0	%100
7	M46	X	5.928	5.928	0	%100
8	M46	Z	-3.423	-3.423	0	%100
9	M51B	X	13.167	13.167	0	%100
10	M51B	Z	-7.602	-7.602	0	%100
11	M52B	X	3.292	3.292	0	%100
12	M52B	Z	-1.901	-1.901	0	%100
13	M76	X	17.784	17.784	0	%100
14	M76	Z	-10.268	-10.268	0	%100
15	M77	X	24.152	24.152	0	%100
16	M77	Z	-13.944	-13.944	0	%100
17	M80	X	25.439	25.439	0	%100
18	M80	Z	-14.687	-14.687	0	%100
19	M84	X	17.784	17.784	0	%100
20	M84	Z	-10.268	-10.268	0	%100
21	M85	X	6.038	6.038	0	%100
22	M85	Z	-3.486	-3.486	0	%100
23	M91	X	6.36	6.36	0	%100
24	M91	Z	-3.672	-3.672	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	11.888	11.888	0	%100
28	M26	Z	-6.864	-6.864	0	%100
29	M27	X	11.888	11.888	0	%100
30	M27	Z	-6.864	-6.864	0	%100
31	M28	X	23.713	23.713	0	%100
32	M28	Z	-13.691	-13.691	0	%100
33	M31	X	3.292	3.292	0	%100
34	M31	Z	-1.901	-1.901	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M32	X	3.292	3.292	0	%100
36	M32	Z	-1.901	-1.901	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	6.038	6.038	0	%100
40	M37	Z	-3.486	-3.486	0	%100
41	M39	X	6.36	6.36	0	%100
42	M39	Z	-3.672	-3.672	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	6.038	6.038	0	%100
46	M42	Z	-3.486	-3.486	0	%100
47	M44	X	6.36	6.36	0	%100
48	M44	Z	-3.672	-3.672	0	%100
49	M49	X	10.537	10.537	0	%100
50	M49	Z	-6.084	-6.084	0	%100
51	M50A	X	2.972	2.972	0	%100
52	M50A	Z	-1.716	-1.716	0	%100
53	M51C	X	2.972	2.972	0	%100
54	M51C	Z	-1.716	-1.716	0	%100
55	M52A	X	5.928	5.928	0	%100
56	M52A	Z	-3.423	-3.423	0	%100
57	M55	X	3.292	3.292	0	%100
58	M55	Z	-1.901	-1.901	0	%100
59	M56	X	13.167	13.167	0	%100
60	M56	Z	-7.602	-7.602	0	%100
61	M60	X	17.784	17.784	0	%100
62	M60	Z	-10.268	-10.268	0	%100
63	M61	X	6.038	6.038	0	%100
64	M61	Z	-3.486	-3.486	0	%100
65	M63	X	6.36	6.36	0	%100
66	M63	Z	-3.672	-3.672	0	%100
67	M65	X	17.784	17.784	0	%100
68	M65	Z	-10.268	-10.268	0	%100
69	M66	X	24.152	24.152	0	%100
70	M66	Z	-13.944	-13.944	0	%100
71	M68	X	25.439	25.439	0	%100
72	M68	Z	-14.687	-14.687	0	%100
73	M73	X	3.202	3.202	0	%100
74	M73	Z	-1.849	-1.849	0	%100
75	M74	X	12.809	12.809	0	%100
76	M74	Z	-7.396	-7.396	0	%100
77	M75	X	3.202	3.202	0	%100
78	M75	Z	-1.849	-1.849	0	%100
79	MP1A	X	9.386	9.386	0	%100
80	MP1A	Z	-5.419	-5.419	0	%100
81	MP2A	X	11.362	11.362	0	%100
82	MP2A	Z	-6.56	-6.56	0	%100
83	MP3A	X	9.386	9.386	0	%100
84	MP3A	Z	-5.419	-5.419	0	%100
85	MP4A	X	9.386	9.386	0	%100
86	MP4A	Z	-5.419	-5.419	0	%100
87	MP1C	X	9.386	9.386	0	%100
88	MP1C	Z	-5.419	-5.419	0	%100
89	MP2C	X	11.362	11.362	0	%100
90	MP2C	Z	-6.56	-6.56	0	%100
91	MP4C	X	9.386	9.386	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
92	MP4C	Z	-5.419	-5.419	0	%100
93	MP1B	X	9.386	9.386	0	%100
94	MP1B	Z	-5.419	-5.419	0	%100
95	MP2B	X	11.362	11.362	0	%100
96	MP2B	Z	-6.56	-6.56	0	%100
97	MP4B	X	9.386	9.386	0	%100
98	MP4B	Z	-5.419	-5.419	0	%100
99	M101	X	7.676	7.676	0	%100
100	M101	Z	-4.431	-4.431	0	%100
101	M104	X	2.841	2.841	0	%100
102	M104	Z	-1.64	-1.64	0	%100
103	MP3C	X	9.386	9.386	0	%100
104	MP3C	Z	-5.419	-5.419	0	%100
105	M113	X	11.362	11.362	0	%100
106	M113	Z	-6.56	-6.56	0	%100
107	MP3B	X	9.386	9.386	0	%100
108	MP3B	Z	-5.419	-5.419	0	%100
109	M122	X	2.841	2.841	0	%100
110	M122	Z	-1.64	-1.64	0	%100
111	M123	X	13.917	13.917	0	%100
112	M123	Z	-8.035	-8.035	0	%100
113	M124	X	3.479	3.479	0	%100
114	M124	Z	-2.009	-2.009	0	%100
115	M125	X	3.479	3.479	0	%100
116	M125	Z	-2.009	-2.009	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	16.223	16.223	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	11.403	11.403	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	11.403	11.403	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	27.381	27.381	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	20.916	20.916	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	22.03	22.03	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	27.381	27.381	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	20.916	20.916	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	22.03	22.03	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	4.056	4.056	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	10.296	10.296	0	%100
28	M26	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	M27	X	10.296	10.296	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	20.536	20.536	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	11.403	11.403	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	6.845	6.845	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	20.916	20.916	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	22.03	22.03	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	6.845	6.845	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	4.056	4.056	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	10.296	10.296	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	10.296	10.296	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	20.536	20.536	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	11.403	11.403	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	6.845	6.845	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	6.845	6.845	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	20.916	20.916	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	22.03	22.03	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	11.093	11.093	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	11.093	11.093	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	10.838	10.838	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	13.12	13.12	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	10.838	10.838	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	10.838	10.838	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
86	MP4A	Z	0	0	0	%100
87	MP1C	X	10.838	10.838	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	13.12	13.12	0	%100
90	MP2C	Z	0	0	0	%100
91	MP4C	X	10.838	10.838	0	%100
92	MP4C	Z	0	0	0	%100
93	MP1B	X	10.838	10.838	0	%100
94	MP1B	Z	0	0	0	%100
95	MP2B	X	13.12	13.12	0	%100
96	MP2B	Z	0	0	0	%100
97	MP4B	X	10.838	10.838	0	%100
98	MP4B	Z	0	0	0	%100
99	M101	X	8.863	8.863	0	%100
100	M101	Z	0	0	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	MP3C	X	10.838	10.838	0	%100
104	MP3C	Z	0	0	0	%100
105	M113	X	9.84	9.84	0	%100
106	M113	Z	0	0	0	%100
107	MP3B	X	10.838	10.838	0	%100
108	MP3B	Z	0	0	0	%100
109	M122	X	9.84	9.84	0	%100
110	M122	Z	0	0	0	%100
111	M123	X	12.052	12.052	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	12.052	12.052	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	10.537	10.537	0	%100
2	M4	Z	6.084	6.084	0	%100
3	M10	X	2.972	2.972	0	%100
4	M10	Z	1.716	1.716	0	%100
5	M43	X	2.972	2.972	0	%100
6	M43	Z	1.716	1.716	0	%100
7	M46	X	5.928	5.928	0	%100
8	M46	Z	3.423	3.423	0	%100
9	M51B	X	3.292	3.292	0	%100
10	M51B	Z	1.901	1.901	0	%100
11	M52B	X	13.167	13.167	0	%100
12	M52B	Z	7.602	7.602	0	%100
13	M76	X	17.784	17.784	0	%100
14	M76	Z	10.268	10.268	0	%100
15	M77	X	6.038	6.038	0	%100
16	M77	Z	3.486	3.486	0	%100
17	M80	X	6.36	6.36	0	%100
18	M80	Z	3.672	3.672	0	%100
19	M84	X	17.784	17.784	0	%100
20	M84	Z	10.268	10.268	0	%100
21	M85	X	24.152	24.152	0	%100
22	M85	Z	13.944	13.944	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
23	M91	X	25.439	25.439	0	%100
24	M91	Z	14.687	14.687	0	%100
25	M25	X	10.537	10.537	0	%100
26	M25	Z	6.084	6.084	0	%100
27	M26	X	2.972	2.972	0	%100
28	M26	Z	1.716	1.716	0	%100
29	M27	X	2.972	2.972	0	%100
30	M27	Z	1.716	1.716	0	%100
31	M28	X	5.928	5.928	0	%100
32	M28	Z	3.423	3.423	0	%100
33	M31	X	13.167	13.167	0	%100
34	M31	Z	7.602	7.602	0	%100
35	M32	X	3.292	3.292	0	%100
36	M32	Z	1.901	1.901	0	%100
37	M36	X	17.784	17.784	0	%100
38	M36	Z	10.268	10.268	0	%100
39	M37	X	24.152	24.152	0	%100
40	M37	Z	13.944	13.944	0	%100
41	M39	X	25.439	25.439	0	%100
42	M39	Z	14.687	14.687	0	%100
43	M41	X	17.784	17.784	0	%100
44	M41	Z	10.268	10.268	0	%100
45	M42	X	6.038	6.038	0	%100
46	M42	Z	3.486	3.486	0	%100
47	M44	X	6.36	6.36	0	%100
48	M44	Z	3.672	3.672	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	11.888	11.888	0	%100
52	M50A	Z	6.864	6.864	0	%100
53	M51C	X	11.888	11.888	0	%100
54	M51C	Z	6.864	6.864	0	%100
55	M52A	X	23.713	23.713	0	%100
56	M52A	Z	13.691	13.691	0	%100
57	M55	X	3.292	3.292	0	%100
58	M55	Z	1.901	1.901	0	%100
59	M56	X	3.292	3.292	0	%100
60	M56	Z	1.901	1.901	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	6.038	6.038	0	%100
64	M61	Z	3.486	3.486	0	%100
65	M63	X	6.36	6.36	0	%100
66	M63	Z	3.672	3.672	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	6.038	6.038	0	%100
70	M66	Z	3.486	3.486	0	%100
71	M68	X	6.36	6.36	0	%100
72	M68	Z	3.672	3.672	0	%100
73	M73	X	3.202	3.202	0	%100
74	M73	Z	1.849	1.849	0	%100
75	M74	X	3.202	3.202	0	%100
76	M74	Z	1.849	1.849	0	%100
77	M75	X	12.809	12.809	0	%100
78	M75	Z	7.396	7.396	0	%100
79	MP1A	X	9.386	9.386	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
80	MP1A	Z	5.419	5.419	0	%100
81	MP2A	X	11.362	11.362	0	%100
82	MP2A	Z	6.56	6.56	0	%100
83	MP3A	X	9.386	9.386	0	%100
84	MP3A	Z	5.419	5.419	0	%100
85	MP4A	X	9.386	9.386	0	%100
86	MP4A	Z	5.419	5.419	0	%100
87	MP1C	X	9.386	9.386	0	%100
88	MP1C	Z	5.419	5.419	0	%100
89	MP2C	X	11.362	11.362	0	%100
90	MP2C	Z	6.56	6.56	0	%100
91	MP4C	X	9.386	9.386	0	%100
92	MP4C	Z	5.419	5.419	0	%100
93	MP1B	X	9.386	9.386	0	%100
94	MP1B	Z	5.419	5.419	0	%100
95	MP2B	X	11.362	11.362	0	%100
96	MP2B	Z	6.56	6.56	0	%100
97	MP4B	X	9.386	9.386	0	%100
98	MP4B	Z	5.419	5.419	0	%100
99	M101	X	7.676	7.676	0	%100
100	M101	Z	4.431	4.431	0	%100
101	M104	X	2.841	2.841	0	%100
102	M104	Z	1.64	1.64	0	%100
103	MP3C	X	9.386	9.386	0	%100
104	MP3C	Z	5.419	5.419	0	%100
105	M113	X	2.841	2.841	0	%100
106	M113	Z	1.64	1.64	0	%100
107	MP3B	X	9.386	9.386	0	%100
108	MP3B	Z	5.419	5.419	0	%100
109	M122	X	11.362	11.362	0	%100
110	M122	Z	6.56	6.56	0	%100
111	M123	X	3.479	3.479	0	%100
112	M123	Z	2.009	2.009	0	%100
113	M124	X	3.479	3.479	0	%100
114	M124	Z	2.009	2.009	0	%100
115	M125	X	13.917	13.917	0	%100
116	M125	Z	8.035	8.035	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	2.028	2.028	0	%100
2	M4	Z	3.512	3.512	0	%100
3	M10	X	5.148	5.148	0	%100
4	M10	Z	8.916	8.916	0	%100
5	M43	X	5.148	5.148	0	%100
6	M43	Z	8.916	8.916	0	%100
7	M46	X	10.268	10.268	0	%100
8	M46	Z	17.784	17.784	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	5.702	5.702	0	%100
12	M52B	Z	9.875	9.875	0	%100
13	M76	X	3.423	3.423	0	%100
14	M76	Z	5.928	5.928	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	3.423	3.423	0	%100
20	M84	Z	5.928	5.928	0	%100
21	M85	X	10.458	10.458	0	%100
22	M85	Z	18.114	18.114	0	%100
23	M91	X	11.015	11.015	0	%100
24	M91	Z	19.079	19.079	0	%100
25	M25	X	8.112	8.112	0	%100
26	M25	Z	14.05	14.05	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	5.702	5.702	0	%100
34	M31	Z	9.875	9.875	0	%100
35	M32	X	5.702	5.702	0	%100
36	M32	Z	9.875	9.875	0	%100
37	M36	X	13.691	13.691	0	%100
38	M36	Z	23.713	23.713	0	%100
39	M37	X	10.458	10.458	0	%100
40	M37	Z	18.114	18.114	0	%100
41	M39	X	11.015	11.015	0	%100
42	M39	Z	19.079	19.079	0	%100
43	M41	X	13.691	13.691	0	%100
44	M41	Z	23.713	23.713	0	%100
45	M42	X	10.458	10.458	0	%100
46	M42	Z	18.114	18.114	0	%100
47	M44	X	11.015	11.015	0	%100
48	M44	Z	19.079	19.079	0	%100
49	M49	X	2.028	2.028	0	%100
50	M49	Z	3.512	3.512	0	%100
51	M50A	X	5.148	5.148	0	%100
52	M50A	Z	8.916	8.916	0	%100
53	M51C	X	5.148	5.148	0	%100
54	M51C	Z	8.916	8.916	0	%100
55	M52A	X	10.268	10.268	0	%100
56	M52A	Z	17.784	17.784	0	%100
57	M55	X	5.702	5.702	0	%100
58	M55	Z	9.875	9.875	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	3.423	3.423	0	%100
62	M60	Z	5.928	5.928	0	%100
63	M61	X	10.458	10.458	0	%100
64	M61	Z	18.114	18.114	0	%100
65	M63	X	11.015	11.015	0	%100
66	M63	Z	19.079	19.079	0	%100
67	M65	X	3.423	3.423	0	%100
68	M65	Z	5.928	5.928	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	5.547	5.547	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
74	M73	Z	9.607	9.607	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	5.547	5.547	0	%100
78	M75	Z	9.607	9.607	0	%100
79	MP1A	X	5.419	5.419	0	%100
80	MP1A	Z	9.386	9.386	0	%100
81	MP2A	X	6.56	6.56	0	%100
82	MP2A	Z	11.362	11.362	0	%100
83	MP3A	X	5.419	5.419	0	%100
84	MP3A	Z	9.386	9.386	0	%100
85	MP4A	X	5.419	5.419	0	%100
86	MP4A	Z	9.386	9.386	0	%100
87	MP1C	X	5.419	5.419	0	%100
88	MP1C	Z	9.386	9.386	0	%100
89	MP2C	X	6.56	6.56	0	%100
90	MP2C	Z	11.362	11.362	0	%100
91	MP4C	X	5.419	5.419	0	%100
92	MP4C	Z	9.386	9.386	0	%100
93	MP1B	X	5.419	5.419	0	%100
94	MP1B	Z	9.386	9.386	0	%100
95	MP2B	X	6.56	6.56	0	%100
96	MP2B	Z	11.362	11.362	0	%100
97	MP4B	X	5.419	5.419	0	%100
98	MP4B	Z	9.386	9.386	0	%100
99	M101	X	4.431	4.431	0	%100
100	M101	Z	7.676	7.676	0	%100
101	M104	X	4.92	4.92	0	%100
102	M104	Z	8.522	8.522	0	%100
103	MP3C	X	5.419	5.419	0	%100
104	MP3C	Z	9.386	9.386	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	0	0	0	%100
107	MP3B	X	5.419	5.419	0	%100
108	MP3B	Z	9.386	9.386	0	%100
109	M122	X	4.92	4.92	0	%100
110	M122	Z	8.522	8.522	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	6.026	6.026	0	%100
114	M124	Z	10.437	10.437	0	%100
115	M125	X	6.026	6.026	0	%100
116	M125	Z	10.437	10.437	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	13.727	13.727	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	13.727	13.727	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	27.381	27.381	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	3.801	3.801	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M52B	X	0	0	0	%100
12	M52B	Z	3.801	3.801	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	6.972	6.972	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	7.343	7.343	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	6.972	6.972	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	7.343	7.343	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	12.167	12.167	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	3.432	3.432	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	3.432	3.432	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	6.845	6.845	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	3.801	3.801	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	15.204	15.204	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	20.536	20.536	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	6.972	6.972	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	7.343	7.343	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	20.536	20.536	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	27.888	27.888	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	29.374	29.374	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	12.167	12.167	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	3.432	3.432	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	3.432	3.432	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	6.845	6.845	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	15.204	15.204	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	3.801	3.801	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	20.536	20.536	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	27.888	27.888	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	29.374	29.374	0	%100
67	M65	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
68	M65	Z	20.536	20.536	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	6.972	6.972	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	7.343	7.343	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	14.791	14.791	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	3.698	3.698	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	3.698	3.698	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	10.838	10.838	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	13.12	13.12	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	10.838	10.838	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	10.838	10.838	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	10.838	10.838	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	13.12	13.12	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	10.838	10.838	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	10.838	10.838	0	%100
95	MP2B	X	0	0	0	%100
96	MP2B	Z	13.12	13.12	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	10.838	10.838	0	%100
99	M101	X	0	0	0	%100
100	M101	Z	8.863	8.863	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	13.12	13.12	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	10.838	10.838	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	3.28	3.28	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	10.838	10.838	0	%100
109	M122	X	0	0	0	%100
110	M122	Z	3.28	3.28	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	4.017	4.017	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	16.07	16.07	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	4.017	4.017	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-2.028	-2.028	0	%100
2	M4	Z	3.512	3.512	0	%100
3	M10	X	-5.148	-5.148	0	%100
4	M10	Z	8.916	8.916	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M43	X	-5.148	-5.148	0	%100
6	M43	Z	8.916	8.916	0	%100
7	M46	X	-10.268	-10.268	0	%100
8	M46	Z	17.784	17.784	0	%100
9	M51B	X	-5.702	-5.702	0	%100
10	M51B	Z	9.875	9.875	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-3.423	-3.423	0	%100
14	M76	Z	5.928	5.928	0	%100
15	M77	X	-10.458	-10.458	0	%100
16	M77	Z	18.114	18.114	0	%100
17	M80	X	-11.015	-11.015	0	%100
18	M80	Z	19.079	19.079	0	%100
19	M84	X	-3.423	-3.423	0	%100
20	M84	Z	5.928	5.928	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-2.028	-2.028	0	%100
26	M25	Z	3.512	3.512	0	%100
27	M26	X	-5.148	-5.148	0	%100
28	M26	Z	8.916	8.916	0	%100
29	M27	X	-5.148	-5.148	0	%100
30	M27	Z	8.916	8.916	0	%100
31	M28	X	-10.268	-10.268	0	%100
32	M28	Z	17.784	17.784	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-5.702	-5.702	0	%100
36	M32	Z	9.875	9.875	0	%100
37	M36	X	-3.423	-3.423	0	%100
38	M36	Z	5.928	5.928	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-3.423	-3.423	0	%100
44	M41	Z	5.928	5.928	0	%100
45	M42	X	-10.458	-10.458	0	%100
46	M42	Z	18.114	18.114	0	%100
47	M44	X	-11.015	-11.015	0	%100
48	M44	Z	19.079	19.079	0	%100
49	M49	X	-8.112	-8.112	0	%100
50	M49	Z	14.05	14.05	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	-5.702	-5.702	0	%100
58	M55	Z	9.875	9.875	0	%100
59	M56	X	-5.702	-5.702	0	%100
60	M56	Z	9.875	9.875	0	%100
61	M60	X	-13.691	-13.691	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M60	Z	23.713	23.713	0	%100
63	M61	X	-10.458	-10.458	0	%100
64	M61	Z	18.114	18.114	0	%100
65	M63	X	-11.015	-11.015	0	%100
66	M63	Z	19.079	19.079	0	%100
67	M65	X	-13.691	-13.691	0	%100
68	M65	Z	23.713	23.713	0	%100
69	M66	X	-10.458	-10.458	0	%100
70	M66	Z	18.114	18.114	0	%100
71	M68	X	-11.015	-11.015	0	%100
72	M68	Z	19.079	19.079	0	%100
73	M73	X	-5.547	-5.547	0	%100
74	M73	Z	9.607	9.607	0	%100
75	M74	X	-5.547	-5.547	0	%100
76	M74	Z	9.607	9.607	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-5.419	-5.419	0	%100
80	MP1A	Z	9.386	9.386	0	%100
81	MP2A	X	-6.56	-6.56	0	%100
82	MP2A	Z	11.362	11.362	0	%100
83	MP3A	X	-5.419	-5.419	0	%100
84	MP3A	Z	9.386	9.386	0	%100
85	MP4A	X	-5.419	-5.419	0	%100
86	MP4A	Z	9.386	9.386	0	%100
87	MP1C	X	-5.419	-5.419	0	%100
88	MP1C	Z	9.386	9.386	0	%100
89	MP2C	X	-6.56	-6.56	0	%100
90	MP2C	Z	11.362	11.362	0	%100
91	MP4C	X	-5.419	-5.419	0	%100
92	MP4C	Z	9.386	9.386	0	%100
93	MP1B	X	-5.419	-5.419	0	%100
94	MP1B	Z	9.386	9.386	0	%100
95	MP2B	X	-6.56	-6.56	0	%100
96	MP2B	Z	11.362	11.362	0	%100
97	MP4B	X	-5.419	-5.419	0	%100
98	MP4B	Z	9.386	9.386	0	%100
99	M101	X	-4.431	-4.431	0	%100
100	M101	Z	7.676	7.676	0	%100
101	M104	X	-4.92	-4.92	0	%100
102	M104	Z	8.522	8.522	0	%100
103	MP3C	X	-5.419	-5.419	0	%100
104	MP3C	Z	9.386	9.386	0	%100
105	M113	X	-4.92	-4.92	0	%100
106	M113	Z	8.522	8.522	0	%100
107	MP3B	X	-5.419	-5.419	0	%100
108	MP3B	Z	9.386	9.386	0	%100
109	M122	X	0	0	0	%100
110	M122	Z	0	0	0	%100
111	M123	X	-6.026	-6.026	0	%100
112	M123	Z	10.437	10.437	0	%100
113	M124	X	-6.026	-6.026	0	%100
114	M124	Z	10.437	10.437	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-10.537	-10.537	0	%100
2	M4	Z	6.084	6.084	0	%100
3	M10	X	-2.972	-2.972	0	%100
4	M10	Z	1.716	1.716	0	%100
5	M43	X	-2.972	-2.972	0	%100
6	M43	Z	1.716	1.716	0	%100
7	M46	X	-5.928	-5.928	0	%100
8	M46	Z	3.423	3.423	0	%100
9	M51B	X	-13.167	-13.167	0	%100
10	M51B	Z	7.602	7.602	0	%100
11	M52B	X	-3.292	-3.292	0	%100
12	M52B	Z	1.901	1.901	0	%100
13	M76	X	-17.784	-17.784	0	%100
14	M76	Z	10.268	10.268	0	%100
15	M77	X	-24.152	-24.152	0	%100
16	M77	Z	13.944	13.944	0	%100
17	M80	X	-25.439	-25.439	0	%100
18	M80	Z	14.687	14.687	0	%100
19	M84	X	-17.784	-17.784	0	%100
20	M84	Z	10.268	10.268	0	%100
21	M85	X	-6.038	-6.038	0	%100
22	M85	Z	3.486	3.486	0	%100
23	M91	X	-6.36	-6.36	0	%100
24	M91	Z	3.672	3.672	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-11.888	-11.888	0	%100
28	M26	Z	6.864	6.864	0	%100
29	M27	X	-11.888	-11.888	0	%100
30	M27	Z	6.864	6.864	0	%100
31	M28	X	-23.713	-23.713	0	%100
32	M28	Z	13.691	13.691	0	%100
33	M31	X	-3.292	-3.292	0	%100
34	M31	Z	1.901	1.901	0	%100
35	M32	X	-3.292	-3.292	0	%100
36	M32	Z	1.901	1.901	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-6.038	-6.038	0	%100
40	M37	Z	3.486	3.486	0	%100
41	M39	X	-6.36	-6.36	0	%100
42	M39	Z	3.672	3.672	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-6.038	-6.038	0	%100
46	M42	Z	3.486	3.486	0	%100
47	M44	X	-6.36	-6.36	0	%100
48	M44	Z	3.672	3.672	0	%100
49	M49	X	-10.537	-10.537	0	%100
50	M49	Z	6.084	6.084	0	%100
51	M50A	X	-2.972	-2.972	0	%100
52	M50A	Z	1.716	1.716	0	%100
53	M51C	X	-2.972	-2.972	0	%100
54	M51C	Z	1.716	1.716	0	%100
55	M52A	X	-5.928	-5.928	0	%100
56	M52A	Z	3.423	3.423	0	%100
57	M55	X	-3.292	-3.292	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M55	Z	1.901	1.901	0	%100
59	M56	X	-13.167	-13.167	0	%100
60	M56	Z	7.602	7.602	0	%100
61	M60	X	-17.784	-17.784	0	%100
62	M60	Z	10.268	10.268	0	%100
63	M61	X	-6.038	-6.038	0	%100
64	M61	Z	3.486	3.486	0	%100
65	M63	X	-6.36	-6.36	0	%100
66	M63	Z	3.672	3.672	0	%100
67	M65	X	-17.784	-17.784	0	%100
68	M65	Z	10.268	10.268	0	%100
69	M66	X	-24.152	-24.152	0	%100
70	M66	Z	13.944	13.944	0	%100
71	M68	X	-25.439	-25.439	0	%100
72	M68	Z	14.687	14.687	0	%100
73	M73	X	-3.202	-3.202	0	%100
74	M73	Z	1.849	1.849	0	%100
75	M74	X	-12.809	-12.809	0	%100
76	M74	Z	7.396	7.396	0	%100
77	M75	X	-3.202	-3.202	0	%100
78	M75	Z	1.849	1.849	0	%100
79	MP1A	X	-9.386	-9.386	0	%100
80	MP1A	Z	5.419	5.419	0	%100
81	MP2A	X	-11.362	-11.362	0	%100
82	MP2A	Z	6.56	6.56	0	%100
83	MP3A	X	-9.386	-9.386	0	%100
84	MP3A	Z	5.419	5.419	0	%100
85	MP4A	X	-9.386	-9.386	0	%100
86	MP4A	Z	5.419	5.419	0	%100
87	MP1C	X	-9.386	-9.386	0	%100
88	MP1C	Z	5.419	5.419	0	%100
89	MP2C	X	-11.362	-11.362	0	%100
90	MP2C	Z	6.56	6.56	0	%100
91	MP4C	X	-9.386	-9.386	0	%100
92	MP4C	Z	5.419	5.419	0	%100
93	MP1B	X	-9.386	-9.386	0	%100
94	MP1B	Z	5.419	5.419	0	%100
95	MP2B	X	-11.362	-11.362	0	%100
96	MP2B	Z	6.56	6.56	0	%100
97	MP4B	X	-9.386	-9.386	0	%100
98	MP4B	Z	5.419	5.419	0	%100
99	M101	X	-7.676	-7.676	0	%100
100	M101	Z	4.431	4.431	0	%100
101	M104	X	-2.841	-2.841	0	%100
102	M104	Z	1.64	1.64	0	%100
103	MP3C	X	-9.386	-9.386	0	%100
104	MP3C	Z	5.419	5.419	0	%100
105	M113	X	-11.362	-11.362	0	%100
106	M113	Z	6.56	6.56	0	%100
107	MP3B	X	-9.386	-9.386	0	%100
108	MP3B	Z	5.419	5.419	0	%100
109	M122	X	-2.841	-2.841	0	%100
110	M122	Z	1.64	1.64	0	%100
111	M123	X	-13.917	-13.917	0	%100
112	M123	Z	8.035	8.035	0	%100
113	M124	X	-3.479	-3.479	0	%100
114	M124	Z	2.009	2.009	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M125	X	-3.479	-3.479	0	%100
116	M125	Z	2.009	2.009	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-16.223	-16.223	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	-11.403	-11.403	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-11.403	-11.403	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-27.381	-27.381	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-20.916	-20.916	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-22.03	-22.03	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-27.381	-27.381	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-20.916	-20.916	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-22.03	-22.03	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-4.056	-4.056	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-10.296	-10.296	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-10.296	-10.296	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-20.536	-20.536	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-11.403	-11.403	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-6.845	-6.845	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-20.916	-20.916	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	-22.03	-22.03	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-6.845	-6.845	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-4.056	-4.056	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-10.296	-10.296	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M50A	Z	0	0	0	%100
53	M51C	X	-10.296	-10.296	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-20.536	-20.536	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-11.403	-11.403	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-6.845	-6.845	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-6.845	-6.845	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-20.916	-20.916	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-22.03	-22.03	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-11.093	-11.093	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-11.093	-11.093	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-10.838	-10.838	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-13.12	-13.12	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-10.838	-10.838	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-10.838	-10.838	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	-10.838	-10.838	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	-13.12	-13.12	0	%100
90	MP2C	Z	0	0	0	%100
91	MP4C	X	-10.838	-10.838	0	%100
92	MP4C	Z	0	0	0	%100
93	MP1B	X	-10.838	-10.838	0	%100
94	MP1B	Z	0	0	0	%100
95	MP2B	X	-13.12	-13.12	0	%100
96	MP2B	Z	0	0	0	%100
97	MP4B	X	-10.838	-10.838	0	%100
98	MP4B	Z	0	0	0	%100
99	M101	X	-8.863	-8.863	0	%100
100	M101	Z	0	0	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	MP3C	X	-10.838	-10.838	0	%100
104	MP3C	Z	0	0	0	%100
105	M113	X	-9.84	-9.84	0	%100
106	M113	Z	0	0	0	%100
107	MP3B	X	-10.838	-10.838	0	%100
108	MP3B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	M122	X	-9.84	-9.84	0	%100
110	M122	Z	0	0	0	%100
111	M123	X	-12.052	-12.052	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-12.052	-12.052	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-10.537	-10.537	0	%100
2	M4	Z	-6.084	-6.084	0	%100
3	M10	X	-2.972	-2.972	0	%100
4	M10	Z	-1.716	-1.716	0	%100
5	M43	X	-2.972	-2.972	0	%100
6	M43	Z	-1.716	-1.716	0	%100
7	M46	X	-5.928	-5.928	0	%100
8	M46	Z	-3.423	-3.423	0	%100
9	M51B	X	-3.292	-3.292	0	%100
10	M51B	Z	-1.901	-1.901	0	%100
11	M52B	X	-13.167	-13.167	0	%100
12	M52B	Z	-7.602	-7.602	0	%100
13	M76	X	-17.784	-17.784	0	%100
14	M76	Z	-10.268	-10.268	0	%100
15	M77	X	-6.038	-6.038	0	%100
16	M77	Z	-3.486	-3.486	0	%100
17	M80	X	-6.36	-6.36	0	%100
18	M80	Z	-3.672	-3.672	0	%100
19	M84	X	-17.784	-17.784	0	%100
20	M84	Z	-10.268	-10.268	0	%100
21	M85	X	-24.152	-24.152	0	%100
22	M85	Z	-13.944	-13.944	0	%100
23	M91	X	-25.439	-25.439	0	%100
24	M91	Z	-14.687	-14.687	0	%100
25	M25	X	-10.537	-10.537	0	%100
26	M25	Z	-6.084	-6.084	0	%100
27	M26	X	-2.972	-2.972	0	%100
28	M26	Z	-1.716	-1.716	0	%100
29	M27	X	-2.972	-2.972	0	%100
30	M27	Z	-1.716	-1.716	0	%100
31	M28	X	-5.928	-5.928	0	%100
32	M28	Z	-3.423	-3.423	0	%100
33	M31	X	-13.167	-13.167	0	%100
34	M31	Z	-7.602	-7.602	0	%100
35	M32	X	-3.292	-3.292	0	%100
36	M32	Z	-1.901	-1.901	0	%100
37	M36	X	-17.784	-17.784	0	%100
38	M36	Z	-10.268	-10.268	0	%100
39	M37	X	-24.152	-24.152	0	%100
40	M37	Z	-13.944	-13.944	0	%100
41	M39	X	-25.439	-25.439	0	%100
42	M39	Z	-14.687	-14.687	0	%100
43	M41	X	-17.784	-17.784	0	%100
44	M41	Z	-10.268	-10.268	0	%100
45	M42	X	-6.038	-6.038	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M42	Z	-3.486	-3.486	0	%100
47	M44	X	-6.36	-6.36	0	%100
48	M44	Z	-3.672	-3.672	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-11.888	-11.888	0	%100
52	M50A	Z	-6.864	-6.864	0	%100
53	M51C	X	-11.888	-11.888	0	%100
54	M51C	Z	-6.864	-6.864	0	%100
55	M52A	X	-23.713	-23.713	0	%100
56	M52A	Z	-13.691	-13.691	0	%100
57	M55	X	-3.292	-3.292	0	%100
58	M55	Z	-1.901	-1.901	0	%100
59	M56	X	-3.292	-3.292	0	%100
60	M56	Z	-1.901	-1.901	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-6.038	-6.038	0	%100
64	M61	Z	-3.486	-3.486	0	%100
65	M63	X	-6.36	-6.36	0	%100
66	M63	Z	-3.672	-3.672	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-6.038	-6.038	0	%100
70	M66	Z	-3.486	-3.486	0	%100
71	M68	X	-6.36	-6.36	0	%100
72	M68	Z	-3.672	-3.672	0	%100
73	M73	X	-3.202	-3.202	0	%100
74	M73	Z	-1.849	-1.849	0	%100
75	M74	X	-3.202	-3.202	0	%100
76	M74	Z	-1.849	-1.849	0	%100
77	M75	X	-12.809	-12.809	0	%100
78	M75	Z	-7.396	-7.396	0	%100
79	MP1A	X	-9.386	-9.386	0	%100
80	MP1A	Z	-5.419	-5.419	0	%100
81	MP2A	X	-11.362	-11.362	0	%100
82	MP2A	Z	-6.56	-6.56	0	%100
83	MP3A	X	-9.386	-9.386	0	%100
84	MP3A	Z	-5.419	-5.419	0	%100
85	MP4A	X	-9.386	-9.386	0	%100
86	MP4A	Z	-5.419	-5.419	0	%100
87	MP1C	X	-9.386	-9.386	0	%100
88	MP1C	Z	-5.419	-5.419	0	%100
89	MP2C	X	-11.362	-11.362	0	%100
90	MP2C	Z	-6.56	-6.56	0	%100
91	MP4C	X	-9.386	-9.386	0	%100
92	MP4C	Z	-5.419	-5.419	0	%100
93	MP1B	X	-9.386	-9.386	0	%100
94	MP1B	Z	-5.419	-5.419	0	%100
95	MP2B	X	-11.362	-11.362	0	%100
96	MP2B	Z	-6.56	-6.56	0	%100
97	MP4B	X	-9.386	-9.386	0	%100
98	MP4B	Z	-5.419	-5.419	0	%100
99	M101	X	-7.676	-7.676	0	%100
100	M101	Z	-4.431	-4.431	0	%100
101	M104	X	-2.841	-2.841	0	%100
102	M104	Z	-1.64	-1.64	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	MP3C	X	-9.386	-9.386	0	%100
104	MP3C	Z	-5.419	-5.419	0	%100
105	M113	X	-2.841	-2.841	0	%100
106	M113	Z	-1.64	-1.64	0	%100
107	MP3B	X	-9.386	-9.386	0	%100
108	MP3B	Z	-5.419	-5.419	0	%100
109	M122	X	-11.362	-11.362	0	%100
110	M122	Z	-6.56	-6.56	0	%100
111	M123	X	-3.479	-3.479	0	%100
112	M123	Z	-2.009	-2.009	0	%100
113	M124	X	-3.479	-3.479	0	%100
114	M124	Z	-2.009	-2.009	0	%100
115	M125	X	-13.917	-13.917	0	%100
116	M125	Z	-8.035	-8.035	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-2.028	-2.028	0	%100
2	M4	Z	-3.512	-3.512	0	%100
3	M10	X	-5.148	-5.148	0	%100
4	M10	Z	-8.916	-8.916	0	%100
5	M43	X	-5.148	-5.148	0	%100
6	M43	Z	-8.916	-8.916	0	%100
7	M46	X	-10.268	-10.268	0	%100
8	M46	Z	-17.784	-17.784	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-5.702	-5.702	0	%100
12	M52B	Z	-9.875	-9.875	0	%100
13	M76	X	-3.423	-3.423	0	%100
14	M76	Z	-5.928	-5.928	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-3.423	-3.423	0	%100
20	M84	Z	-5.928	-5.928	0	%100
21	M85	X	-10.458	-10.458	0	%100
22	M85	Z	-18.114	-18.114	0	%100
23	M91	X	-11.015	-11.015	0	%100
24	M91	Z	-19.079	-19.079	0	%100
25	M25	X	-8.112	-8.112	0	%100
26	M25	Z	-14.05	-14.05	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-5.702	-5.702	0	%100
34	M31	Z	-9.875	-9.875	0	%100
35	M32	X	-5.702	-5.702	0	%100
36	M32	Z	-9.875	-9.875	0	%100
37	M36	X	-13.691	-13.691	0	%100
38	M36	Z	-23.713	-23.713	0	%100
39	M37	X	-10.458	-10.458	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M37	Z	-18.114	-18.114	0	%100
41	M39	X	-11.015	-11.015	0	%100
42	M39	Z	-19.079	-19.079	0	%100
43	M41	X	-13.691	-13.691	0	%100
44	M41	Z	-23.713	-23.713	0	%100
45	M42	X	-10.458	-10.458	0	%100
46	M42	Z	-18.114	-18.114	0	%100
47	M44	X	-11.015	-11.015	0	%100
48	M44	Z	-19.079	-19.079	0	%100
49	M49	X	-2.028	-2.028	0	%100
50	M49	Z	-3.512	-3.512	0	%100
51	M50A	X	-5.148	-5.148	0	%100
52	M50A	Z	-8.916	-8.916	0	%100
53	M51C	X	-5.148	-5.148	0	%100
54	M51C	Z	-8.916	-8.916	0	%100
55	M52A	X	-10.268	-10.268	0	%100
56	M52A	Z	-17.784	-17.784	0	%100
57	M55	X	-5.702	-5.702	0	%100
58	M55	Z	-9.875	-9.875	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-3.423	-3.423	0	%100
62	M60	Z	-5.928	-5.928	0	%100
63	M61	X	-10.458	-10.458	0	%100
64	M61	Z	-18.114	-18.114	0	%100
65	M63	X	-11.015	-11.015	0	%100
66	M63	Z	-19.079	-19.079	0	%100
67	M65	X	-3.423	-3.423	0	%100
68	M65	Z	-5.928	-5.928	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	-5.547	-5.547	0	%100
74	M73	Z	-9.607	-9.607	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-5.547	-5.547	0	%100
78	M75	Z	-9.607	-9.607	0	%100
79	MP1A	X	-5.419	-5.419	0	%100
80	MP1A	Z	-9.386	-9.386	0	%100
81	MP2A	X	-6.56	-6.56	0	%100
82	MP2A	Z	-11.362	-11.362	0	%100
83	MP3A	X	-5.419	-5.419	0	%100
84	MP3A	Z	-9.386	-9.386	0	%100
85	MP4A	X	-5.419	-5.419	0	%100
86	MP4A	Z	-9.386	-9.386	0	%100
87	MP1C	X	-5.419	-5.419	0	%100
88	MP1C	Z	-9.386	-9.386	0	%100
89	MP2C	X	-6.56	-6.56	0	%100
90	MP2C	Z	-11.362	-11.362	0	%100
91	MP4C	X	-5.419	-5.419	0	%100
92	MP4C	Z	-9.386	-9.386	0	%100
93	MP1B	X	-5.419	-5.419	0	%100
94	MP1B	Z	-9.386	-9.386	0	%100
95	MP2B	X	-6.56	-6.56	0	%100
96	MP2B	Z	-11.362	-11.362	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	MP4B	X	-5.419	-5.419	0	%100
98	MP4B	Z	-9.386	-9.386	0	%100
99	M101	X	-4.431	-4.431	0	%100
100	M101	Z	-7.676	-7.676	0	%100
101	M104	X	-4.92	-4.92	0	%100
102	M104	Z	-8.522	-8.522	0	%100
103	MP3C	X	-5.419	-5.419	0	%100
104	MP3C	Z	-9.386	-9.386	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	0	0	0	%100
107	MP3B	X	-5.419	-5.419	0	%100
108	MP3B	Z	-9.386	-9.386	0	%100
109	M122	X	-4.92	-4.92	0	%100
110	M122	Z	-8.522	-8.522	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-6.026	-6.026	0	%100
114	M124	Z	-10.437	-10.437	0	%100
115	M125	X	-6.026	-6.026	0	%100
116	M125	Z	-10.437	-10.437	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-3.684	-3.684	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-3.684	-3.684	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-5.749	-5.749	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-1.059	-1.059	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-1.059	-1.059	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	-1.436	-1.436	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-1.498	-1.498	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-1.436	-1.436	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-1.498	-1.498	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-3.404	-3.404	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-.921	-.921	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-.921	-.921	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-1.437	-1.437	0	%100
33	M31	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M31	Z	-1.059	-1.059	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-4.237	-4.237	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	-4.243	-4.243	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-1.436	-1.436	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-1.498	-1.498	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	-4.243	-4.243	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-5.742	-5.742	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	-5.992	-5.992	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-3.404	-3.404	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	-.921	-.921	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	-.921	-.921	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	-1.437	-1.437	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	-4.237	-4.237	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-1.059	-1.059	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-4.243	-4.243	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-5.742	-5.742	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-5.992	-5.992	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-4.243	-4.243	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-1.436	-1.436	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-1.498	-1.498	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-4.496	-4.496	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-1.124	-1.124	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-1.124	-1.124	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-3.634	-3.634	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-4.017	-4.017	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-3.634	-3.634	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-3.634	-3.634	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-3.634	-3.634	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-4.017	-4.017	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-3.634	-3.634	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	-3.634	-3.634	0	%100
95	MP2B	X	0	0	0	%100
96	MP2B	Z	-4.017	-4.017	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-3.634	-3.634	0	%100
99	M101	X	0	0	0	%100
100	M101	Z	-2.974	-2.974	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	-4.017	-4.017	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-3.634	-3.634	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	-1.004	-1.004	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	-3.634	-3.634	0	%100
109	M122	X	0	0	0	%100
110	M122	Z	-1.004	-1.004	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-.995	-.995	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-3.982	-3.982	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-.995	-.995	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.567	.567	0	%100
2	M4	Z	-.983	-.983	0	%100
3	M10	X	1.382	1.382	0	%100
4	M10	Z	-2.393	-2.393	0	%100
5	M43	X	1.382	1.382	0	%100
6	M43	Z	-2.393	-2.393	0	%100
7	M46	X	2.156	2.156	0	%100
8	M46	Z	-3.734	-3.734	0	%100
9	M51B	X	1.589	1.589	0	%100
10	M51B	Z	-2.752	-2.752	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.707	.707	0	%100
14	M76	Z	-1.225	-1.225	0	%100
15	M77	X	2.153	2.153	0	%100
16	M77	Z	-3.73	-3.73	0	%100
17	M80	X	2.247	2.247	0	%100
18	M80	Z	-3.892	-3.892	0	%100
19	M84	X	.707	.707	0	%100
20	M84	Z	-1.225	-1.225	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.567	.567	0	%100
26	M25	Z	-.983	-.983	0	%100
27	M26	X	1.382	1.382	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	M26	Z	-2.393	-2.393	0	%100
29	M27	X	1.382	1.382	0	%100
30	M27	Z	-2.393	-2.393	0	%100
31	M28	X	2.156	2.156	0	%100
32	M28	Z	-3.734	-3.734	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	1.589	1.589	0	%100
36	M32	Z	-2.752	-2.752	0	%100
37	M36	X	.707	.707	0	%100
38	M36	Z	-1.225	-1.225	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.707	.707	0	%100
44	M41	Z	-1.225	-1.225	0	%100
45	M42	X	2.153	2.153	0	%100
46	M42	Z	-3.73	-3.73	0	%100
47	M44	X	2.247	2.247	0	%100
48	M44	Z	-3.892	-3.892	0	%100
49	M49	X	2.269	2.269	0	%100
50	M49	Z	-3.93	-3.93	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	1.589	1.589	0	%100
58	M55	Z	-2.752	-2.752	0	%100
59	M56	X	1.589	1.589	0	%100
60	M56	Z	-2.752	-2.752	0	%100
61	M60	X	2.828	2.828	0	%100
62	M60	Z	-4.899	-4.899	0	%100
63	M61	X	2.153	2.153	0	%100
64	M61	Z	-3.73	-3.73	0	%100
65	M63	X	2.247	2.247	0	%100
66	M63	Z	-3.892	-3.892	0	%100
67	M65	X	2.828	2.828	0	%100
68	M65	Z	-4.899	-4.899	0	%100
69	M66	X	2.153	2.153	0	%100
70	M66	Z	-3.73	-3.73	0	%100
71	M68	X	2.247	2.247	0	%100
72	M68	Z	-3.892	-3.892	0	%100
73	M73	X	1.686	1.686	0	%100
74	M73	Z	-2.92	-2.92	0	%100
75	M74	X	1.686	1.686	0	%100
76	M74	Z	-2.92	-2.92	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	1.817	1.817	0	%100
80	MP1A	Z	-3.147	-3.147	0	%100
81	MP2A	X	2.009	2.009	0	%100
82	MP2A	Z	-3.479	-3.479	0	%100
83	MP3A	X	1.817	1.817	0	%100
84	MP3A	Z	-3.147	-3.147	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	MP4A	X	1.817	1.817	0	%100
86	MP4A	Z	-3.147	-3.147	0	%100
87	MP1C	X	1.817	1.817	0	%100
88	MP1C	Z	-3.147	-3.147	0	%100
89	MP2C	X	2.009	2.009	0	%100
90	MP2C	Z	-3.479	-3.479	0	%100
91	MP4C	X	1.817	1.817	0	%100
92	MP4C	Z	-3.147	-3.147	0	%100
93	MP1B	X	1.817	1.817	0	%100
94	MP1B	Z	-3.147	-3.147	0	%100
95	MP2B	X	2.009	2.009	0	%100
96	MP2B	Z	-3.479	-3.479	0	%100
97	MP4B	X	1.817	1.817	0	%100
98	MP4B	Z	-3.147	-3.147	0	%100
99	M101	X	1.487	1.487	0	%100
100	M101	Z	-2.575	-2.575	0	%100
101	M104	X	1.506	1.506	0	%100
102	M104	Z	-2.609	-2.609	0	%100
103	MP3C	X	1.817	1.817	0	%100
104	MP3C	Z	-3.147	-3.147	0	%100
105	M113	X	1.506	1.506	0	%100
106	M113	Z	-2.609	-2.609	0	%100
107	MP3B	X	1.817	1.817	0	%100
108	MP3B	Z	-3.147	-3.147	0	%100
109	M122	X	0	0	0	%100
110	M122	Z	0	0	0	%100
111	M123	X	1.493	1.493	0	%100
112	M123	Z	-2.586	-2.586	0	%100
113	M124	X	1.493	1.493	0	%100
114	M124	Z	-2.586	-2.586	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	2.948	2.948	0	%100
2	M4	Z	-1.702	-1.702	0	%100
3	M10	X	.798	.798	0	%100
4	M10	Z	-.461	-.461	0	%100
5	M43	X	.798	.798	0	%100
6	M43	Z	-.461	-.461	0	%100
7	M46	X	1.245	1.245	0	%100
8	M46	Z	-.719	-.719	0	%100
9	M51B	X	3.669	3.669	0	%100
10	M51B	Z	-2.118	-2.118	0	%100
11	M52B	X	.917	.917	0	%100
12	M52B	Z	-.53	-.53	0	%100
13	M76	X	3.674	3.674	0	%100
14	M76	Z	-2.121	-2.121	0	%100
15	M77	X	4.973	4.973	0	%100
16	M77	Z	-2.871	-2.871	0	%100
17	M80	X	5.189	5.189	0	%100
18	M80	Z	-2.996	-2.996	0	%100
19	M84	X	3.674	3.674	0	%100
20	M84	Z	-2.121	-2.121	0	%100
21	M85	X	1.243	1.243	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M85	Z	-.718	-.718	0	%100
23	M91	X	1.297	1.297	0	%100
24	M91	Z	-.749	-.749	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	3.191	3.191	0	%100
28	M26	Z	-1.842	-1.842	0	%100
29	M27	X	3.191	3.191	0	%100
30	M27	Z	-1.842	-1.842	0	%100
31	M28	X	4.978	4.978	0	%100
32	M28	Z	-2.874	-2.874	0	%100
33	M31	X	.917	.917	0	%100
34	M31	Z	-.53	-.53	0	%100
35	M32	X	.917	.917	0	%100
36	M32	Z	-.53	-.53	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	1.243	1.243	0	%100
40	M37	Z	-.718	-.718	0	%100
41	M39	X	1.297	1.297	0	%100
42	M39	Z	-.749	-.749	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	1.243	1.243	0	%100
46	M42	Z	-.718	-.718	0	%100
47	M44	X	1.297	1.297	0	%100
48	M44	Z	-.749	-.749	0	%100
49	M49	X	2.948	2.948	0	%100
50	M49	Z	-1.702	-1.702	0	%100
51	M50A	X	.798	.798	0	%100
52	M50A	Z	-.461	-.461	0	%100
53	M51C	X	.798	.798	0	%100
54	M51C	Z	-.461	-.461	0	%100
55	M52A	X	1.245	1.245	0	%100
56	M52A	Z	-.719	-.719	0	%100
57	M55	X	.917	.917	0	%100
58	M55	Z	-.53	-.53	0	%100
59	M56	X	3.669	3.669	0	%100
60	M56	Z	-2.118	-2.118	0	%100
61	M60	X	3.674	3.674	0	%100
62	M60	Z	-2.121	-2.121	0	%100
63	M61	X	1.243	1.243	0	%100
64	M61	Z	-.718	-.718	0	%100
65	M63	X	1.297	1.297	0	%100
66	M63	Z	-.749	-.749	0	%100
67	M65	X	3.674	3.674	0	%100
68	M65	Z	-2.121	-2.121	0	%100
69	M66	X	4.973	4.973	0	%100
70	M66	Z	-2.871	-2.871	0	%100
71	M68	X	5.189	5.189	0	%100
72	M68	Z	-2.996	-2.996	0	%100
73	M73	X	.973	.973	0	%100
74	M73	Z	-.562	-.562	0	%100
75	M74	X	3.894	3.894	0	%100
76	M74	Z	-2.248	-2.248	0	%100
77	M75	X	.973	.973	0	%100
78	M75	Z	-.562	-.562	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	MP1A	X	3.147	3.147	0	%100
80	MP1A	Z	-1.817	-1.817	0	%100
81	MP2A	X	3.479	3.479	0	%100
82	MP2A	Z	-2.009	-2.009	0	%100
83	MP3A	X	3.147	3.147	0	%100
84	MP3A	Z	-1.817	-1.817	0	%100
85	MP4A	X	3.147	3.147	0	%100
86	MP4A	Z	-1.817	-1.817	0	%100
87	MP1C	X	3.147	3.147	0	%100
88	MP1C	Z	-1.817	-1.817	0	%100
89	MP2C	X	3.479	3.479	0	%100
90	MP2C	Z	-2.009	-2.009	0	%100
91	MP4C	X	3.147	3.147	0	%100
92	MP4C	Z	-1.817	-1.817	0	%100
93	MP1B	X	3.147	3.147	0	%100
94	MP1B	Z	-1.817	-1.817	0	%100
95	MP2B	X	3.479	3.479	0	%100
96	MP2B	Z	-2.009	-2.009	0	%100
97	MP4B	X	3.147	3.147	0	%100
98	MP4B	Z	-1.817	-1.817	0	%100
99	M101	X	2.575	2.575	0	%100
100	M101	Z	-1.487	-1.487	0	%100
101	M104	X	.87	.87	0	%100
102	M104	Z	-.502	-.502	0	%100
103	MP3C	X	3.147	3.147	0	%100
104	MP3C	Z	-1.817	-1.817	0	%100
105	M113	X	3.479	3.479	0	%100
106	M113	Z	-2.009	-2.009	0	%100
107	MP3B	X	3.147	3.147	0	%100
108	MP3B	Z	-1.817	-1.817	0	%100
109	M122	X	.87	.87	0	%100
110	M122	Z	-.502	-.502	0	%100
111	M123	X	3.448	3.448	0	%100
112	M123	Z	-1.991	-1.991	0	%100
113	M124	X	.862	.862	0	%100
114	M124	Z	-.498	-.498	0	%100
115	M125	X	.862	.862	0	%100
116	M125	Z	-.498	-.498	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	4.538	4.538	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	3.177	3.177	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	3.177	3.177	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	5.657	5.657	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	4.307	4.307	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M77	Z	0	0	0	%100
17	M80	X	4.494	4.494	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	5.657	5.657	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	4.307	4.307	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	4.494	4.494	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	1.135	1.135	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	2.763	2.763	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	2.763	2.763	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	4.311	4.311	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	3.177	3.177	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	1.414	1.414	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	4.307	4.307	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	4.494	4.494	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	1.414	1.414	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	1.135	1.135	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	2.763	2.763	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	2.763	2.763	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	4.311	4.311	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	3.177	3.177	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	1.414	1.414	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	1.414	1.414	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	4.307	4.307	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	4.494	4.494	0	%100
72	M68	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	3.372	3.372	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	3.372	3.372	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	3.634	3.634	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	4.017	4.017	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	3.634	3.634	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	3.634	3.634	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	3.634	3.634	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	4.017	4.017	0	%100
90	MP2C	Z	0	0	0	%100
91	MP4C	X	3.634	3.634	0	%100
92	MP4C	Z	0	0	0	%100
93	MP1B	X	3.634	3.634	0	%100
94	MP1B	Z	0	0	0	%100
95	MP2B	X	4.017	4.017	0	%100
96	MP2B	Z	0	0	0	%100
97	MP4B	X	3.634	3.634	0	%100
98	MP4B	Z	0	0	0	%100
99	M101	X	2.974	2.974	0	%100
100	M101	Z	0	0	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	MP3C	X	3.634	3.634	0	%100
104	MP3C	Z	0	0	0	%100
105	M113	X	3.013	3.013	0	%100
106	M113	Z	0	0	0	%100
107	MP3B	X	3.634	3.634	0	%100
108	MP3B	Z	0	0	0	%100
109	M122	X	3.013	3.013	0	%100
110	M122	Z	0	0	0	%100
111	M123	X	2.986	2.986	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	2.986	2.986	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	2.948	2.948	0	%100
2	M4	Z	1.702	1.702	0	%100
3	M10	X	.798	.798	0	%100
4	M10	Z	.461	.461	0	%100
5	M43	X	.798	.798	0	%100
6	M43	Z	.461	.461	0	%100
7	M46	X	1.245	1.245	0	%100
8	M46	Z	.719	.719	0	%100
9	M51B	X	.917	.917	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M51B	Z	.53	.53	0	%100
11	M52B	X	3.669	3.669	0	%100
12	M52B	Z	2.118	2.118	0	%100
13	M76	X	3.674	3.674	0	%100
14	M76	Z	2.121	2.121	0	%100
15	M77	X	1.243	1.243	0	%100
16	M77	Z	.718	.718	0	%100
17	M80	X	1.297	1.297	0	%100
18	M80	Z	.749	.749	0	%100
19	M84	X	3.674	3.674	0	%100
20	M84	Z	2.121	2.121	0	%100
21	M85	X	4.973	4.973	0	%100
22	M85	Z	2.871	2.871	0	%100
23	M91	X	5.189	5.189	0	%100
24	M91	Z	2.996	2.996	0	%100
25	M25	X	2.948	2.948	0	%100
26	M25	Z	1.702	1.702	0	%100
27	M26	X	.798	.798	0	%100
28	M26	Z	.461	.461	0	%100
29	M27	X	.798	.798	0	%100
30	M27	Z	.461	.461	0	%100
31	M28	X	1.245	1.245	0	%100
32	M28	Z	.719	.719	0	%100
33	M31	X	3.669	3.669	0	%100
34	M31	Z	2.118	2.118	0	%100
35	M32	X	.917	.917	0	%100
36	M32	Z	.53	.53	0	%100
37	M36	X	3.674	3.674	0	%100
38	M36	Z	2.121	2.121	0	%100
39	M37	X	4.973	4.973	0	%100
40	M37	Z	2.871	2.871	0	%100
41	M39	X	5.189	5.189	0	%100
42	M39	Z	2.996	2.996	0	%100
43	M41	X	3.674	3.674	0	%100
44	M41	Z	2.121	2.121	0	%100
45	M42	X	1.243	1.243	0	%100
46	M42	Z	.718	.718	0	%100
47	M44	X	1.297	1.297	0	%100
48	M44	Z	.749	.749	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	3.191	3.191	0	%100
52	M50A	Z	1.842	1.842	0	%100
53	M51C	X	3.191	3.191	0	%100
54	M51C	Z	1.842	1.842	0	%100
55	M52A	X	4.978	4.978	0	%100
56	M52A	Z	2.874	2.874	0	%100
57	M55	X	.917	.917	0	%100
58	M55	Z	.53	.53	0	%100
59	M56	X	.917	.917	0	%100
60	M56	Z	.53	.53	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	1.243	1.243	0	%100
64	M61	Z	.718	.718	0	%100
65	M63	X	1.297	1.297	0	%100
66	M63	Z	.749	.749	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	1.243	1.243	0	%100
70	M66	Z	.718	.718	0	%100
71	M68	X	1.297	1.297	0	%100
72	M68	Z	.749	.749	0	%100
73	M73	X	.973	.973	0	%100
74	M73	Z	.562	.562	0	%100
75	M74	X	.973	.973	0	%100
76	M74	Z	.562	.562	0	%100
77	M75	X	3.894	3.894	0	%100
78	M75	Z	2.248	2.248	0	%100
79	MP1A	X	3.147	3.147	0	%100
80	MP1A	Z	1.817	1.817	0	%100
81	MP2A	X	3.479	3.479	0	%100
82	MP2A	Z	2.009	2.009	0	%100
83	MP3A	X	3.147	3.147	0	%100
84	MP3A	Z	1.817	1.817	0	%100
85	MP4A	X	3.147	3.147	0	%100
86	MP4A	Z	1.817	1.817	0	%100
87	MP1C	X	3.147	3.147	0	%100
88	MP1C	Z	1.817	1.817	0	%100
89	MP2C	X	3.479	3.479	0	%100
90	MP2C	Z	2.009	2.009	0	%100
91	MP4C	X	3.147	3.147	0	%100
92	MP4C	Z	1.817	1.817	0	%100
93	MP1B	X	3.147	3.147	0	%100
94	MP1B	Z	1.817	1.817	0	%100
95	MP2B	X	3.479	3.479	0	%100
96	MP2B	Z	2.009	2.009	0	%100
97	MP4B	X	3.147	3.147	0	%100
98	MP4B	Z	1.817	1.817	0	%100
99	M101	X	2.575	2.575	0	%100
100	M101	Z	1.487	1.487	0	%100
101	M104	X	.87	.87	0	%100
102	M104	Z	.502	.502	0	%100
103	MP3C	X	3.147	3.147	0	%100
104	MP3C	Z	1.817	1.817	0	%100
105	M113	X	.87	.87	0	%100
106	M113	Z	.502	.502	0	%100
107	MP3B	X	3.147	3.147	0	%100
108	MP3B	Z	1.817	1.817	0	%100
109	M122	X	3.479	3.479	0	%100
110	M122	Z	2.009	2.009	0	%100
111	M123	X	.862	.862	0	%100
112	M123	Z	.498	.498	0	%100
113	M124	X	.862	.862	0	%100
114	M124	Z	.498	.498	0	%100
115	M125	X	3.448	3.448	0	%100
116	M125	Z	1.991	1.991	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.567	.567	0	%100
2	M4	Z	.983	.983	0	%100
3	M10	X	1.382	1.382	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M10	Z	2.393	2.393	0	%100
5	M43	X	1.382	1.382	0	%100
6	M43	Z	2.393	2.393	0	%100
7	M46	X	2.156	2.156	0	%100
8	M46	Z	3.734	3.734	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	1.589	1.589	0	%100
12	M52B	Z	2.752	2.752	0	%100
13	M76	X	.707	.707	0	%100
14	M76	Z	1.225	1.225	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	.707	.707	0	%100
20	M84	Z	1.225	1.225	0	%100
21	M85	X	2.153	2.153	0	%100
22	M85	Z	3.73	3.73	0	%100
23	M91	X	2.247	2.247	0	%100
24	M91	Z	3.892	3.892	0	%100
25	M25	X	2.269	2.269	0	%100
26	M25	Z	3.93	3.93	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	1.589	1.589	0	%100
34	M31	Z	2.752	2.752	0	%100
35	M32	X	1.589	1.589	0	%100
36	M32	Z	2.752	2.752	0	%100
37	M36	X	2.828	2.828	0	%100
38	M36	Z	4.899	4.899	0	%100
39	M37	X	2.153	2.153	0	%100
40	M37	Z	3.73	3.73	0	%100
41	M39	X	2.247	2.247	0	%100
42	M39	Z	3.892	3.892	0	%100
43	M41	X	2.828	2.828	0	%100
44	M41	Z	4.899	4.899	0	%100
45	M42	X	2.153	2.153	0	%100
46	M42	Z	3.73	3.73	0	%100
47	M44	X	2.247	2.247	0	%100
48	M44	Z	3.892	3.892	0	%100
49	M49	X	.567	.567	0	%100
50	M49	Z	.983	.983	0	%100
51	M50A	X	1.382	1.382	0	%100
52	M50A	Z	2.393	2.393	0	%100
53	M51C	X	1.382	1.382	0	%100
54	M51C	Z	2.393	2.393	0	%100
55	M52A	X	2.156	2.156	0	%100
56	M52A	Z	3.734	3.734	0	%100
57	M55	X	1.589	1.589	0	%100
58	M55	Z	2.752	2.752	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M60	X	.707	.707	0	%100
62	M60	Z	1.225	1.225	0	%100
63	M61	X	2.153	2.153	0	%100
64	M61	Z	3.73	3.73	0	%100
65	M63	X	2.247	2.247	0	%100
66	M63	Z	3.892	3.892	0	%100
67	M65	X	.707	.707	0	%100
68	M65	Z	1.225	1.225	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	1.686	1.686	0	%100
74	M73	Z	2.92	2.92	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	1.686	1.686	0	%100
78	M75	Z	2.92	2.92	0	%100
79	MP1A	X	1.817	1.817	0	%100
80	MP1A	Z	3.147	3.147	0	%100
81	MP2A	X	2.009	2.009	0	%100
82	MP2A	Z	3.479	3.479	0	%100
83	MP3A	X	1.817	1.817	0	%100
84	MP3A	Z	3.147	3.147	0	%100
85	MP4A	X	1.817	1.817	0	%100
86	MP4A	Z	3.147	3.147	0	%100
87	MP1C	X	1.817	1.817	0	%100
88	MP1C	Z	3.147	3.147	0	%100
89	MP2C	X	2.009	2.009	0	%100
90	MP2C	Z	3.479	3.479	0	%100
91	MP4C	X	1.817	1.817	0	%100
92	MP4C	Z	3.147	3.147	0	%100
93	MP1B	X	1.817	1.817	0	%100
94	MP1B	Z	3.147	3.147	0	%100
95	MP2B	X	2.009	2.009	0	%100
96	MP2B	Z	3.479	3.479	0	%100
97	MP4B	X	1.817	1.817	0	%100
98	MP4B	Z	3.147	3.147	0	%100
99	M101	X	1.487	1.487	0	%100
100	M101	Z	2.575	2.575	0	%100
101	M104	X	1.506	1.506	0	%100
102	M104	Z	2.609	2.609	0	%100
103	MP3C	X	1.817	1.817	0	%100
104	MP3C	Z	3.147	3.147	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	0	0	0	%100
107	MP3B	X	1.817	1.817	0	%100
108	MP3B	Z	3.147	3.147	0	%100
109	M122	X	1.506	1.506	0	%100
110	M122	Z	2.609	2.609	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	1.493	1.493	0	%100
114	M124	Z	2.586	2.586	0	%100
115	M125	X	1.493	1.493	0	%100
116	M125	Z	2.586	2.586	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	3.684	3.684	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	3.684	3.684	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	5.749	5.749	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	1.059	1.059	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	1.059	1.059	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	1.436	1.436	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	1.498	1.498	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	1.436	1.436	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	1.498	1.498	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	3.404	3.404	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	.921	.921	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.921	.921	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	1.437	1.437	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	1.059	1.059	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	4.237	4.237	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	4.243	4.243	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	1.436	1.436	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	1.498	1.498	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	4.243	4.243	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	5.742	5.742	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	5.992	5.992	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	3.404	3.404	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	.921	.921	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	.921	.921	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	1.437	1.437	0	%100
57	M55	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M55	Z	4.237	4.237	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	1.059	1.059	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	4.243	4.243	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	5.742	5.742	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	5.992	5.992	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	4.243	4.243	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	1.436	1.436	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	1.498	1.498	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	4.496	4.496	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	1.124	1.124	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	1.124	1.124	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	3.634	3.634	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	4.017	4.017	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	3.634	3.634	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	3.634	3.634	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	3.634	3.634	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	4.017	4.017	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	3.634	3.634	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	3.634	3.634	0	%100
95	MP2B	X	0	0	0	%100
96	MP2B	Z	4.017	4.017	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	3.634	3.634	0	%100
99	M101	X	0	0	0	%100
100	M101	Z	2.974	2.974	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	4.017	4.017	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	3.634	3.634	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	1.004	1.004	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	3.634	3.634	0	%100
109	M122	X	0	0	0	%100
110	M122	Z	1.004	1.004	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	.995	.995	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	3.982	3.982	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M125	X	0	0	0	%100
116	M125	Z	.995	.995	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.567	-.567	0	%100
2	M4	Z	.983	.983	0	%100
3	M10	X	-1.382	-1.382	0	%100
4	M10	Z	2.393	2.393	0	%100
5	M43	X	-1.382	-1.382	0	%100
6	M43	Z	2.393	2.393	0	%100
7	M46	X	-2.156	-2.156	0	%100
8	M46	Z	3.734	3.734	0	%100
9	M51B	X	-1.589	-1.589	0	%100
10	M51B	Z	2.752	2.752	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-.707	-.707	0	%100
14	M76	Z	1.225	1.225	0	%100
15	M77	X	-2.153	-2.153	0	%100
16	M77	Z	3.73	3.73	0	%100
17	M80	X	-2.247	-2.247	0	%100
18	M80	Z	3.892	3.892	0	%100
19	M84	X	-.707	-.707	0	%100
20	M84	Z	1.225	1.225	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-.567	-.567	0	%100
26	M25	Z	.983	.983	0	%100
27	M26	X	-1.382	-1.382	0	%100
28	M26	Z	2.393	2.393	0	%100
29	M27	X	-1.382	-1.382	0	%100
30	M27	Z	2.393	2.393	0	%100
31	M28	X	-2.156	-2.156	0	%100
32	M28	Z	3.734	3.734	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-1.589	-1.589	0	%100
36	M32	Z	2.752	2.752	0	%100
37	M36	X	-.707	-.707	0	%100
38	M36	Z	1.225	1.225	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.707	-.707	0	%100
44	M41	Z	1.225	1.225	0	%100
45	M42	X	-2.153	-2.153	0	%100
46	M42	Z	3.73	3.73	0	%100
47	M44	X	-2.247	-2.247	0	%100
48	M44	Z	3.892	3.892	0	%100
49	M49	X	-2.269	-2.269	0	%100
50	M49	Z	3.93	3.93	0	%100
51	M50A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	-1.589	-1.589	0	%100
58	M55	Z	2.752	2.752	0	%100
59	M56	X	-1.589	-1.589	0	%100
60	M56	Z	2.752	2.752	0	%100
61	M60	X	-2.828	-2.828	0	%100
62	M60	Z	4.899	4.899	0	%100
63	M61	X	-2.153	-2.153	0	%100
64	M61	Z	3.73	3.73	0	%100
65	M63	X	-2.247	-2.247	0	%100
66	M63	Z	3.892	3.892	0	%100
67	M65	X	-2.828	-2.828	0	%100
68	M65	Z	4.899	4.899	0	%100
69	M66	X	-2.153	-2.153	0	%100
70	M66	Z	3.73	3.73	0	%100
71	M68	X	-2.247	-2.247	0	%100
72	M68	Z	3.892	3.892	0	%100
73	M73	X	-1.686	-1.686	0	%100
74	M73	Z	2.92	2.92	0	%100
75	M74	X	-1.686	-1.686	0	%100
76	M74	Z	2.92	2.92	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-1.817	-1.817	0	%100
80	MP1A	Z	3.147	3.147	0	%100
81	MP2A	X	-2.009	-2.009	0	%100
82	MP2A	Z	3.479	3.479	0	%100
83	MP3A	X	-1.817	-1.817	0	%100
84	MP3A	Z	3.147	3.147	0	%100
85	MP4A	X	-1.817	-1.817	0	%100
86	MP4A	Z	3.147	3.147	0	%100
87	MP1C	X	-1.817	-1.817	0	%100
88	MP1C	Z	3.147	3.147	0	%100
89	MP2C	X	-2.009	-2.009	0	%100
90	MP2C	Z	3.479	3.479	0	%100
91	MP4C	X	-1.817	-1.817	0	%100
92	MP4C	Z	3.147	3.147	0	%100
93	MP1B	X	-1.817	-1.817	0	%100
94	MP1B	Z	3.147	3.147	0	%100
95	MP2B	X	-2.009	-2.009	0	%100
96	MP2B	Z	3.479	3.479	0	%100
97	MP4B	X	-1.817	-1.817	0	%100
98	MP4B	Z	3.147	3.147	0	%100
99	M101	X	-1.487	-1.487	0	%100
100	M101	Z	2.575	2.575	0	%100
101	M104	X	-1.506	-1.506	0	%100
102	M104	Z	2.609	2.609	0	%100
103	MP3C	X	-1.817	-1.817	0	%100
104	MP3C	Z	3.147	3.147	0	%100
105	M113	X	-1.506	-1.506	0	%100
106	M113	Z	2.609	2.609	0	%100
107	MP3B	X	-1.817	-1.817	0	%100
108	MP3B	Z	3.147	3.147	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	M122	X	0	0	0	%100
110	M122	Z	0	0	0	%100
111	M123	X	-1.493	-1.493	0	%100
112	M123	Z	2.586	2.586	0	%100
113	M124	X	-1.493	-1.493	0	%100
114	M124	Z	2.586	2.586	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-2.948	-2.948	0	%100
2	M4	Z	1.702	1.702	0	%100
3	M10	X	-.798	-.798	0	%100
4	M10	Z	.461	.461	0	%100
5	M43	X	-.798	-.798	0	%100
6	M43	Z	.461	.461	0	%100
7	M46	X	-1.245	-1.245	0	%100
8	M46	Z	.719	.719	0	%100
9	M51B	X	-3.669	-3.669	0	%100
10	M51B	Z	2.118	2.118	0	%100
11	M52B	X	-.917	-.917	0	%100
12	M52B	Z	.53	.53	0	%100
13	M76	X	-3.674	-3.674	0	%100
14	M76	Z	2.121	2.121	0	%100
15	M77	X	-4.973	-4.973	0	%100
16	M77	Z	2.871	2.871	0	%100
17	M80	X	-5.189	-5.189	0	%100
18	M80	Z	2.996	2.996	0	%100
19	M84	X	-3.674	-3.674	0	%100
20	M84	Z	2.121	2.121	0	%100
21	M85	X	-1.243	-1.243	0	%100
22	M85	Z	.718	.718	0	%100
23	M91	X	-1.297	-1.297	0	%100
24	M91	Z	.749	.749	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-3.191	-3.191	0	%100
28	M26	Z	1.842	1.842	0	%100
29	M27	X	-3.191	-3.191	0	%100
30	M27	Z	1.842	1.842	0	%100
31	M28	X	-4.978	-4.978	0	%100
32	M28	Z	2.874	2.874	0	%100
33	M31	X	-.917	-.917	0	%100
34	M31	Z	.53	.53	0	%100
35	M32	X	-.917	-.917	0	%100
36	M32	Z	.53	.53	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-1.243	-1.243	0	%100
40	M37	Z	.718	.718	0	%100
41	M39	X	-1.297	-1.297	0	%100
42	M39	Z	.749	.749	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-1.243	-1.243	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M42	Z	.718	.718	0	%100
47	M44	X	-1.297	-1.297	0	%100
48	M44	Z	.749	.749	0	%100
49	M49	X	-2.948	-2.948	0	%100
50	M49	Z	1.702	1.702	0	%100
51	M50A	X	-.798	-.798	0	%100
52	M50A	Z	.461	.461	0	%100
53	M51C	X	-.798	-.798	0	%100
54	M51C	Z	.461	.461	0	%100
55	M52A	X	-1.245	-1.245	0	%100
56	M52A	Z	.719	.719	0	%100
57	M55	X	-.917	-.917	0	%100
58	M55	Z	.53	.53	0	%100
59	M56	X	-3.669	-3.669	0	%100
60	M56	Z	2.118	2.118	0	%100
61	M60	X	-3.674	-3.674	0	%100
62	M60	Z	2.121	2.121	0	%100
63	M61	X	-1.243	-1.243	0	%100
64	M61	Z	.718	.718	0	%100
65	M63	X	-1.297	-1.297	0	%100
66	M63	Z	.749	.749	0	%100
67	M65	X	-3.674	-3.674	0	%100
68	M65	Z	2.121	2.121	0	%100
69	M66	X	-4.973	-4.973	0	%100
70	M66	Z	2.871	2.871	0	%100
71	M68	X	-5.189	-5.189	0	%100
72	M68	Z	2.996	2.996	0	%100
73	M73	X	-.973	-.973	0	%100
74	M73	Z	.562	.562	0	%100
75	M74	X	-3.894	-3.894	0	%100
76	M74	Z	2.248	2.248	0	%100
77	M75	X	-.973	-.973	0	%100
78	M75	Z	.562	.562	0	%100
79	MP1A	X	-3.147	-3.147	0	%100
80	MP1A	Z	1.817	1.817	0	%100
81	MP2A	X	-3.479	-3.479	0	%100
82	MP2A	Z	2.009	2.009	0	%100
83	MP3A	X	-3.147	-3.147	0	%100
84	MP3A	Z	1.817	1.817	0	%100
85	MP4A	X	-3.147	-3.147	0	%100
86	MP4A	Z	1.817	1.817	0	%100
87	MP1C	X	-3.147	-3.147	0	%100
88	MP1C	Z	1.817	1.817	0	%100
89	MP2C	X	-3.479	-3.479	0	%100
90	MP2C	Z	2.009	2.009	0	%100
91	MP4C	X	-3.147	-3.147	0	%100
92	MP4C	Z	1.817	1.817	0	%100
93	MP1B	X	-3.147	-3.147	0	%100
94	MP1B	Z	1.817	1.817	0	%100
95	MP2B	X	-3.479	-3.479	0	%100
96	MP2B	Z	2.009	2.009	0	%100
97	MP4B	X	-3.147	-3.147	0	%100
98	MP4B	Z	1.817	1.817	0	%100
99	M101	X	-2.575	-2.575	0	%100
100	M101	Z	1.487	1.487	0	%100
101	M104	X	-.87	-.87	0	%100
102	M104	Z	.502	.502	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	MP3C	X	-3.147	-3.147	0	%100
104	MP3C	Z	1.817	1.817	0	%100
105	M113	X	-3.479	-3.479	0	%100
106	M113	Z	2.009	2.009	0	%100
107	MP3B	X	-3.147	-3.147	0	%100
108	MP3B	Z	1.817	1.817	0	%100
109	M122	X	-.87	-.87	0	%100
110	M122	Z	.502	.502	0	%100
111	M123	X	-3.448	-3.448	0	%100
112	M123	Z	1.991	1.991	0	%100
113	M124	X	-.862	-.862	0	%100
114	M124	Z	.498	.498	0	%100
115	M125	X	-.862	-.862	0	%100
116	M125	Z	.498	.498	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-4.538	-4.538	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	-3.177	-3.177	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-3.177	-3.177	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-5.657	-5.657	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-4.307	-4.307	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-4.494	-4.494	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-5.657	-5.657	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-4.307	-4.307	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-4.494	-4.494	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-1.135	-1.135	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-2.763	-2.763	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-2.763	-2.763	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-4.311	-4.311	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-3.177	-3.177	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-1.414	-1.414	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-4.307	-4.307	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M37	Z	0	0	0	%100
41	M39	X	-4.494	-4.494	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-1.414	-1.414	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-1.135	-1.135	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-2.763	-2.763	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-2.763	-2.763	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-4.311	-4.311	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-3.177	-3.177	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-1.414	-1.414	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-1.414	-1.414	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-4.307	-4.307	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-4.494	-4.494	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-3.372	-3.372	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-3.372	-3.372	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-3.634	-3.634	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-4.017	-4.017	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-3.634	-3.634	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-3.634	-3.634	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	-3.634	-3.634	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	-4.017	-4.017	0	%100
90	MP2C	Z	0	0	0	%100
91	MP4C	X	-3.634	-3.634	0	%100
92	MP4C	Z	0	0	0	%100
93	MP1B	X	-3.634	-3.634	0	%100
94	MP1B	Z	0	0	0	%100
95	MP2B	X	-4.017	-4.017	0	%100
96	MP2B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	MP4B	X	-3.634	-3.634	0	%100
98	MP4B	Z	0	0	0	%100
99	M101	X	-2.974	-2.974	0	%100
100	M101	Z	0	0	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	MP3C	X	-3.634	-3.634	0	%100
104	MP3C	Z	0	0	0	%100
105	M113	X	-3.013	-3.013	0	%100
106	M113	Z	0	0	0	%100
107	MP3B	X	-3.634	-3.634	0	%100
108	MP3B	Z	0	0	0	%100
109	M122	X	-3.013	-3.013	0	%100
110	M122	Z	0	0	0	%100
111	M123	X	-2.986	-2.986	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-2.986	-2.986	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-2.948	-2.948	0	%100
2	M4	Z	-1.702	-1.702	0	%100
3	M10	X	-.798	-.798	0	%100
4	M10	Z	-.461	-.461	0	%100
5	M43	X	-.798	-.798	0	%100
6	M43	Z	-.461	-.461	0	%100
7	M46	X	-1.245	-1.245	0	%100
8	M46	Z	-.719	-.719	0	%100
9	M51B	X	-.917	-.917	0	%100
10	M51B	Z	-.53	-.53	0	%100
11	M52B	X	-3.669	-3.669	0	%100
12	M52B	Z	-2.118	-2.118	0	%100
13	M76	X	-3.674	-3.674	0	%100
14	M76	Z	-2.121	-2.121	0	%100
15	M77	X	-1.243	-1.243	0	%100
16	M77	Z	-.718	-.718	0	%100
17	M80	X	-1.297	-1.297	0	%100
18	M80	Z	-.749	-.749	0	%100
19	M84	X	-3.674	-3.674	0	%100
20	M84	Z	-2.121	-2.121	0	%100
21	M85	X	-4.973	-4.973	0	%100
22	M85	Z	-2.871	-2.871	0	%100
23	M91	X	-5.189	-5.189	0	%100
24	M91	Z	-2.996	-2.996	0	%100
25	M25	X	-2.948	-2.948	0	%100
26	M25	Z	-1.702	-1.702	0	%100
27	M26	X	-.798	-.798	0	%100
28	M26	Z	-.461	-.461	0	%100
29	M27	X	-.798	-.798	0	%100
30	M27	Z	-.461	-.461	0	%100
31	M28	X	-1.245	-1.245	0	%100
32	M28	Z	-.719	-.719	0	%100
33	M31	X	-3.669	-3.669	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M31	Z	-2.118	-2.118	0	%100
35	M32	X	-.917	-.917	0	%100
36	M32	Z	-.53	-.53	0	%100
37	M36	X	-3.674	-3.674	0	%100
38	M36	Z	-2.121	-2.121	0	%100
39	M37	X	-4.973	-4.973	0	%100
40	M37	Z	-2.871	-2.871	0	%100
41	M39	X	-5.189	-5.189	0	%100
42	M39	Z	-2.996	-2.996	0	%100
43	M41	X	-3.674	-3.674	0	%100
44	M41	Z	-2.121	-2.121	0	%100
45	M42	X	-1.243	-1.243	0	%100
46	M42	Z	-.718	-.718	0	%100
47	M44	X	-1.297	-1.297	0	%100
48	M44	Z	-.749	-.749	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-3.191	-3.191	0	%100
52	M50A	Z	-1.842	-1.842	0	%100
53	M51C	X	-3.191	-3.191	0	%100
54	M51C	Z	-1.842	-1.842	0	%100
55	M52A	X	-4.978	-4.978	0	%100
56	M52A	Z	-2.874	-2.874	0	%100
57	M55	X	-.917	-.917	0	%100
58	M55	Z	-.53	-.53	0	%100
59	M56	X	-.917	-.917	0	%100
60	M56	Z	-.53	-.53	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-1.243	-1.243	0	%100
64	M61	Z	-.718	-.718	0	%100
65	M63	X	-1.297	-1.297	0	%100
66	M63	Z	-.749	-.749	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-1.243	-1.243	0	%100
70	M66	Z	-.718	-.718	0	%100
71	M68	X	-1.297	-1.297	0	%100
72	M68	Z	-.749	-.749	0	%100
73	M73	X	-.973	-.973	0	%100
74	M73	Z	-.562	-.562	0	%100
75	M74	X	-.973	-.973	0	%100
76	M74	Z	-.562	-.562	0	%100
77	M75	X	-3.894	-3.894	0	%100
78	M75	Z	-2.248	-2.248	0	%100
79	MP1A	X	-3.147	-3.147	0	%100
80	MP1A	Z	-1.817	-1.817	0	%100
81	MP2A	X	-3.479	-3.479	0	%100
82	MP2A	Z	-2.009	-2.009	0	%100
83	MP3A	X	-3.147	-3.147	0	%100
84	MP3A	Z	-1.817	-1.817	0	%100
85	MP4A	X	-3.147	-3.147	0	%100
86	MP4A	Z	-1.817	-1.817	0	%100
87	MP1C	X	-3.147	-3.147	0	%100
88	MP1C	Z	-1.817	-1.817	0	%100
89	MP2C	X	-3.479	-3.479	0	%100
90	MP2C	Z	-2.009	-2.009	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP4C	X	-3.147	-3.147	0	%100
92	MP4C	Z	-1.817	-1.817	0	%100
93	MP1B	X	-3.147	-3.147	0	%100
94	MP1B	Z	-1.817	-1.817	0	%100
95	MP2B	X	-3.479	-3.479	0	%100
96	MP2B	Z	-2.009	-2.009	0	%100
97	MP4B	X	-3.147	-3.147	0	%100
98	MP4B	Z	-1.817	-1.817	0	%100
99	M101	X	-2.575	-2.575	0	%100
100	M101	Z	-1.487	-1.487	0	%100
101	M104	X	-.87	-.87	0	%100
102	M104	Z	-.502	-.502	0	%100
103	MP3C	X	-3.147	-3.147	0	%100
104	MP3C	Z	-1.817	-1.817	0	%100
105	M113	X	-.87	-.87	0	%100
106	M113	Z	-.502	-.502	0	%100
107	MP3B	X	-3.147	-3.147	0	%100
108	MP3B	Z	-1.817	-1.817	0	%100
109	M122	X	-3.479	-3.479	0	%100
110	M122	Z	-2.009	-2.009	0	%100
111	M123	X	-.862	-.862	0	%100
112	M123	Z	-.498	-.498	0	%100
113	M124	X	-.862	-.862	0	%100
114	M124	Z	-.498	-.498	0	%100
115	M125	X	-3.448	-3.448	0	%100
116	M125	Z	-1.991	-1.991	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.567	-.567	0	%100
2	M4	Z	-.983	-.983	0	%100
3	M10	X	-1.382	-1.382	0	%100
4	M10	Z	-2.393	-2.393	0	%100
5	M43	X	-1.382	-1.382	0	%100
6	M43	Z	-2.393	-2.393	0	%100
7	M46	X	-2.156	-2.156	0	%100
8	M46	Z	-3.734	-3.734	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-1.589	-1.589	0	%100
12	M52B	Z	-2.752	-2.752	0	%100
13	M76	X	-.707	-.707	0	%100
14	M76	Z	-1.225	-1.225	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-.707	-.707	0	%100
20	M84	Z	-1.225	-1.225	0	%100
21	M85	X	-2.153	-2.153	0	%100
22	M85	Z	-3.73	-3.73	0	%100
23	M91	X	-2.247	-2.247	0	%100
24	M91	Z	-3.892	-3.892	0	%100
25	M25	X	-2.269	-2.269	0	%100
26	M25	Z	-3.93	-3.93	0	%100
27	M26	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-1.589	-1.589	0	%100
34	M31	Z	-2.752	-2.752	0	%100
35	M32	X	-1.589	-1.589	0	%100
36	M32	Z	-2.752	-2.752	0	%100
37	M36	X	-2.828	-2.828	0	%100
38	M36	Z	-4.899	-4.899	0	%100
39	M37	X	-2.153	-2.153	0	%100
40	M37	Z	-3.73	-3.73	0	%100
41	M39	X	-2.247	-2.247	0	%100
42	M39	Z	-3.892	-3.892	0	%100
43	M41	X	-2.828	-2.828	0	%100
44	M41	Z	-4.899	-4.899	0	%100
45	M42	X	-2.153	-2.153	0	%100
46	M42	Z	-3.73	-3.73	0	%100
47	M44	X	-2.247	-2.247	0	%100
48	M44	Z	-3.892	-3.892	0	%100
49	M49	X	-.567	-.567	0	%100
50	M49	Z	-.983	-.983	0	%100
51	M50A	X	-1.382	-1.382	0	%100
52	M50A	Z	-2.393	-2.393	0	%100
53	M51C	X	-1.382	-1.382	0	%100
54	M51C	Z	-2.393	-2.393	0	%100
55	M52A	X	-2.156	-2.156	0	%100
56	M52A	Z	-3.734	-3.734	0	%100
57	M55	X	-1.589	-1.589	0	%100
58	M55	Z	-2.752	-2.752	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-.707	-.707	0	%100
62	M60	Z	-1.225	-1.225	0	%100
63	M61	X	-2.153	-2.153	0	%100
64	M61	Z	-3.73	-3.73	0	%100
65	M63	X	-2.247	-2.247	0	%100
66	M63	Z	-3.892	-3.892	0	%100
67	M65	X	-.707	-.707	0	%100
68	M65	Z	-1.225	-1.225	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	-1.686	-1.686	0	%100
74	M73	Z	-2.92	-2.92	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-1.686	-1.686	0	%100
78	M75	Z	-2.92	-2.92	0	%100
79	MP1A	X	-1.817	-1.817	0	%100
80	MP1A	Z	-3.147	-3.147	0	%100
81	MP2A	X	-2.009	-2.009	0	%100
82	MP2A	Z	-3.479	-3.479	0	%100
83	MP3A	X	-1.817	-1.817	0	%100
84	MP3A	Z	-3.147	-3.147	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	MP4A	X	-1.817	-1.817	0	%100
86	MP4A	Z	-3.147	-3.147	0	%100
87	MP1C	X	-1.817	-1.817	0	%100
88	MP1C	Z	-3.147	-3.147	0	%100
89	MP2C	X	-2.009	-2.009	0	%100
90	MP2C	Z	-3.479	-3.479	0	%100
91	MP4C	X	-1.817	-1.817	0	%100
92	MP4C	Z	-3.147	-3.147	0	%100
93	MP1B	X	-1.817	-1.817	0	%100
94	MP1B	Z	-3.147	-3.147	0	%100
95	MP2B	X	-2.009	-2.009	0	%100
96	MP2B	Z	-3.479	-3.479	0	%100
97	MP4B	X	-1.817	-1.817	0	%100
98	MP4B	Z	-3.147	-3.147	0	%100
99	M101	X	-1.487	-1.487	0	%100
100	M101	Z	-2.575	-2.575	0	%100
101	M104	X	-1.506	-1.506	0	%100
102	M104	Z	-2.609	-2.609	0	%100
103	MP3C	X	-1.817	-1.817	0	%100
104	MP3C	Z	-3.147	-3.147	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	0	0	0	%100
107	MP3B	X	-1.817	-1.817	0	%100
108	MP3B	Z	-3.147	-3.147	0	%100
109	M122	X	-1.506	-1.506	0	%100
110	M122	Z	-2.609	-2.609	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-1.493	-1.493	0	%100
114	M124	Z	-2.586	-2.586	0	%100
115	M125	X	-1.493	-1.493	0	%100
116	M125	Z	-2.586	-2.586	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-.83	-.83	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-.83	-.83	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-1.656	-1.656	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-.23	-.23	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-.23	-.23	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	-.422	-.422	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-.444	-.444	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M85	Z	-.422	-.422	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-.444	-.444	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-.736	-.736	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-.208	-.208	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-.208	-.208	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-.414	-.414	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-.23	-.23	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-.919	-.919	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	-1.242	-1.242	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-.422	-.422	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-.444	-.444	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	-1.242	-1.242	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-1.686	-1.686	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	-1.776	-1.776	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-.736	-.736	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	-.208	-.208	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	-.208	-.208	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	-.414	-.414	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	-.919	-.919	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-.23	-.23	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-1.242	-1.242	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-1.686	-1.686	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-1.776	-1.776	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-1.242	-1.242	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-.422	-.422	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-.444	-.444	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-.894	-.894	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-.224	-.224	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-.224	-.224	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-.655	-.655	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-.793	-.793	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-.655	-.655	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-.655	-.655	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-.655	-.655	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-.793	-.793	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-.655	-.655	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	-.655	-.655	0	%100
95	MP2B	X	0	0	0	%100
96	MP2B	Z	-.793	-.793	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-.655	-.655	0	%100
99	M101	X	0	0	0	%100
100	M101	Z	-.536	-.536	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	-.793	-.793	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-.655	-.655	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	-.198	-.198	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	-.655	-.655	0	%100
109	M122	X	0	0	0	%100
110	M122	Z	-.198	-.198	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-.243	-.243	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-.972	-.972	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-.243	-.243	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.123	.123	0	%100
2	M4	Z	-.212	-.212	0	%100
3	M10	X	.311	.311	0	%100
4	M10	Z	-.539	-.539	0	%100
5	M43	X	.311	.311	0	%100
6	M43	Z	-.539	-.539	0	%100
7	M46	X	.621	.621	0	%100
8	M46	Z	-1.075	-1.075	0	%100
9	M51B	X	.345	.345	0	%100
10	M51B	Z	-.597	-.597	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.207	.207	0	%100
14	M76	Z	-.358	-.358	0	%100
15	M77	X	.632	.632	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M77	Z	-1.095	-1.095	0	%100
17	M80	X	.666	.666	0	%100
18	M80	Z	-1.154	-1.154	0	%100
19	M84	X	.207	.207	0	%100
20	M84	Z	-.358	-.358	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.123	.123	0	%100
26	M25	Z	-.212	-.212	0	%100
27	M26	X	.311	.311	0	%100
28	M26	Z	-.539	-.539	0	%100
29	M27	X	.311	.311	0	%100
30	M27	Z	-.539	-.539	0	%100
31	M28	X	.621	.621	0	%100
32	M28	Z	-1.075	-1.075	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	.345	.345	0	%100
36	M32	Z	-.597	-.597	0	%100
37	M36	X	.207	.207	0	%100
38	M36	Z	-.358	-.358	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.207	.207	0	%100
44	M41	Z	-.358	-.358	0	%100
45	M42	X	.632	.632	0	%100
46	M42	Z	-1.095	-1.095	0	%100
47	M44	X	.666	.666	0	%100
48	M44	Z	-1.154	-1.154	0	%100
49	M49	X	.49	.49	0	%100
50	M49	Z	-.85	-.85	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	.345	.345	0	%100
58	M55	Z	-.597	-.597	0	%100
59	M56	X	.345	.345	0	%100
60	M56	Z	-.597	-.597	0	%100
61	M60	X	.828	.828	0	%100
62	M60	Z	-1.434	-1.434	0	%100
63	M61	X	.632	.632	0	%100
64	M61	Z	-1.095	-1.095	0	%100
65	M63	X	.666	.666	0	%100
66	M63	Z	-1.154	-1.154	0	%100
67	M65	X	.828	.828	0	%100
68	M65	Z	-1.434	-1.434	0	%100
69	M66	X	.632	.632	0	%100
70	M66	Z	-1.095	-1.095	0	%100
71	M68	X	.666	.666	0	%100
72	M68	Z	-1.154	-1.154	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M73	X	.335	.335	0	%100
74	M73	Z	-.581	-.581	0	%100
75	M74	X	.335	.335	0	%100
76	M74	Z	-.581	-.581	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	.328	.328	0	%100
80	MP1A	Z	-.568	-.568	0	%100
81	MP2A	X	.397	.397	0	%100
82	MP2A	Z	-.687	-.687	0	%100
83	MP3A	X	.328	.328	0	%100
84	MP3A	Z	-.568	-.568	0	%100
85	MP4A	X	.328	.328	0	%100
86	MP4A	Z	-.568	-.568	0	%100
87	MP1C	X	.328	.328	0	%100
88	MP1C	Z	-.568	-.568	0	%100
89	MP2C	X	.397	.397	0	%100
90	MP2C	Z	-.687	-.687	0	%100
91	MP4C	X	.328	.328	0	%100
92	MP4C	Z	-.568	-.568	0	%100
93	MP1B	X	.328	.328	0	%100
94	MP1B	Z	-.568	-.568	0	%100
95	MP2B	X	.397	.397	0	%100
96	MP2B	Z	-.687	-.687	0	%100
97	MP4B	X	.328	.328	0	%100
98	MP4B	Z	-.568	-.568	0	%100
99	M101	X	.268	.268	0	%100
100	M101	Z	-.464	-.464	0	%100
101	M104	X	.298	.298	0	%100
102	M104	Z	-.515	-.515	0	%100
103	MP3C	X	.328	.328	0	%100
104	MP3C	Z	-.568	-.568	0	%100
105	M113	X	.298	.298	0	%100
106	M113	Z	-.515	-.515	0	%100
107	MP3B	X	.328	.328	0	%100
108	MP3B	Z	-.568	-.568	0	%100
109	M122	X	0	0	0	%100
110	M122	Z	0	0	0	%100
111	M123	X	.364	.364	0	%100
112	M123	Z	-.631	-.631	0	%100
113	M124	X	.364	.364	0	%100
114	M124	Z	-.631	-.631	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.637	.637	0	%100
2	M4	Z	-.368	-.368	0	%100
3	M10	X	.18	.18	0	%100
4	M10	Z	-.104	-.104	0	%100
5	M43	X	.18	.18	0	%100
6	M43	Z	-.104	-.104	0	%100
7	M46	X	.358	.358	0	%100
8	M46	Z	-.207	-.207	0	%100
9	M51B	X	.796	.796	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M51B	Z	-.46	-.46	0	%100
11	M52B	X	.199	.199	0	%100
12	M52B	Z	-.115	-.115	0	%100
13	M76	X	1.075	1.075	0	%100
14	M76	Z	-.621	-.621	0	%100
15	M77	X	1.46	1.46	0	%100
16	M77	Z	-.843	-.843	0	%100
17	M80	X	1.538	1.538	0	%100
18	M80	Z	-.888	-.888	0	%100
19	M84	X	1.075	1.075	0	%100
20	M84	Z	-.621	-.621	0	%100
21	M85	X	.365	.365	0	%100
22	M85	Z	-.211	-.211	0	%100
23	M91	X	.385	.385	0	%100
24	M91	Z	-.222	-.222	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	.719	.719	0	%100
28	M26	Z	-.415	-.415	0	%100
29	M27	X	.719	.719	0	%100
30	M27	Z	-.415	-.415	0	%100
31	M28	X	1.434	1.434	0	%100
32	M28	Z	-.828	-.828	0	%100
33	M31	X	.199	.199	0	%100
34	M31	Z	-.115	-.115	0	%100
35	M32	X	.199	.199	0	%100
36	M32	Z	-.115	-.115	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	.365	.365	0	%100
40	M37	Z	-.211	-.211	0	%100
41	M39	X	.385	.385	0	%100
42	M39	Z	-.222	-.222	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	.365	.365	0	%100
46	M42	Z	-.211	-.211	0	%100
47	M44	X	.385	.385	0	%100
48	M44	Z	-.222	-.222	0	%100
49	M49	X	.637	.637	0	%100
50	M49	Z	-.368	-.368	0	%100
51	M50A	X	.18	.18	0	%100
52	M50A	Z	-.104	-.104	0	%100
53	M51C	X	.18	.18	0	%100
54	M51C	Z	-.104	-.104	0	%100
55	M52A	X	.358	.358	0	%100
56	M52A	Z	-.207	-.207	0	%100
57	M55	X	.199	.199	0	%100
58	M55	Z	-.115	-.115	0	%100
59	M56	X	.796	.796	0	%100
60	M56	Z	-.46	-.46	0	%100
61	M60	X	1.075	1.075	0	%100
62	M60	Z	-.621	-.621	0	%100
63	M61	X	.365	.365	0	%100
64	M61	Z	-.211	-.211	0	%100
65	M63	X	.385	.385	0	%100
66	M63	Z	-.222	-.222	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M65	X	1.075	1.075	0	%100
68	M65	Z	-.621	-.621	0	%100
69	M66	X	1.46	1.46	0	%100
70	M66	Z	-.843	-.843	0	%100
71	M68	X	1.538	1.538	0	%100
72	M68	Z	-.888	-.888	0	%100
73	M73	X	.194	.194	0	%100
74	M73	Z	-.112	-.112	0	%100
75	M74	X	.775	.775	0	%100
76	M74	Z	-.447	-.447	0	%100
77	M75	X	.194	.194	0	%100
78	M75	Z	-.112	-.112	0	%100
79	MP1A	X	.568	.568	0	%100
80	MP1A	Z	-.328	-.328	0	%100
81	MP2A	X	.687	.687	0	%100
82	MP2A	Z	-.397	-.397	0	%100
83	MP3A	X	.568	.568	0	%100
84	MP3A	Z	-.328	-.328	0	%100
85	MP4A	X	.568	.568	0	%100
86	MP4A	Z	-.328	-.328	0	%100
87	MP1C	X	.568	.568	0	%100
88	MP1C	Z	-.328	-.328	0	%100
89	MP2C	X	.687	.687	0	%100
90	MP2C	Z	-.397	-.397	0	%100
91	MP4C	X	.568	.568	0	%100
92	MP4C	Z	-.328	-.328	0	%100
93	MP1B	X	.568	.568	0	%100
94	MP1B	Z	-.328	-.328	0	%100
95	MP2B	X	.687	.687	0	%100
96	MP2B	Z	-.397	-.397	0	%100
97	MP4B	X	.568	.568	0	%100
98	MP4B	Z	-.328	-.328	0	%100
99	M101	X	.464	.464	0	%100
100	M101	Z	-.268	-.268	0	%100
101	M104	X	.172	.172	0	%100
102	M104	Z	-.099	-.099	0	%100
103	MP3C	X	.568	.568	0	%100
104	MP3C	Z	-.328	-.328	0	%100
105	M113	X	.687	.687	0	%100
106	M113	Z	-.397	-.397	0	%100
107	MP3B	X	.568	.568	0	%100
108	MP3B	Z	-.328	-.328	0	%100
109	M122	X	.172	.172	0	%100
110	M122	Z	-.099	-.099	0	%100
111	M123	X	.842	.842	0	%100
112	M123	Z	-.486	-.486	0	%100
113	M124	X	.21	.21	0	%100
114	M124	Z	-.121	-.121	0	%100
115	M125	X	.21	.21	0	%100
116	M125	Z	-.121	-.121	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.981	.981	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
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	.69	.69	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.69	.69	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	1.656	1.656	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	1.265	1.265	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	1.332	1.332	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	1.656	1.656	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	1.265	1.265	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	1.332	1.332	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.245	.245	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	.623	.623	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	.623	.623	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	1.242	1.242	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	.69	.69	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	.414	.414	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	1.265	1.265	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	1.332	1.332	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.414	.414	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	.245	.245	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	.623	.623	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	.623	.623	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	1.242	1.242	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	.69	.69	0	%100
60	M56	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M60	X	.414	.414	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	.414	.414	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	1.265	1.265	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	1.332	1.332	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	.671	.671	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	.671	.671	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	.655	.655	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	.793	.793	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	.655	.655	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	.655	.655	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	.655	.655	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	.793	.793	0	%100
90	MP2C	Z	0	0	0	%100
91	MP4C	X	.655	.655	0	%100
92	MP4C	Z	0	0	0	%100
93	MP1B	X	.655	.655	0	%100
94	MP1B	Z	0	0	0	%100
95	MP2B	X	.793	.793	0	%100
96	MP2B	Z	0	0	0	%100
97	MP4B	X	.655	.655	0	%100
98	MP4B	Z	0	0	0	%100
99	M101	X	.536	.536	0	%100
100	M101	Z	0	0	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	MP3C	X	.655	.655	0	%100
104	MP3C	Z	0	0	0	%100
105	M113	X	.595	.595	0	%100
106	M113	Z	0	0	0	%100
107	MP3B	X	.655	.655	0	%100
108	MP3B	Z	0	0	0	%100
109	M122	X	.595	.595	0	%100
110	M122	Z	0	0	0	%100
111	M123	X	.729	.729	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	.729	.729	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.637	.637	0	%100
2	M4	Z	.368	.368	0	%100
3	M10	X	.18	.18	0	%100
4	M10	Z	.104	.104	0	%100
5	M43	X	.18	.18	0	%100
6	M43	Z	.104	.104	0	%100
7	M46	X	.358	.358	0	%100
8	M46	Z	.207	.207	0	%100
9	M51B	X	.199	.199	0	%100
10	M51B	Z	.115	.115	0	%100
11	M52B	X	.796	.796	0	%100
12	M52B	Z	.46	.46	0	%100
13	M76	X	1.075	1.075	0	%100
14	M76	Z	.621	.621	0	%100
15	M77	X	.365	.365	0	%100
16	M77	Z	.211	.211	0	%100
17	M80	X	.385	.385	0	%100
18	M80	Z	.222	.222	0	%100
19	M84	X	1.075	1.075	0	%100
20	M84	Z	.621	.621	0	%100
21	M85	X	1.46	1.46	0	%100
22	M85	Z	.843	.843	0	%100
23	M91	X	1.538	1.538	0	%100
24	M91	Z	.888	.888	0	%100
25	M25	X	.637	.637	0	%100
26	M25	Z	.368	.368	0	%100
27	M26	X	.18	.18	0	%100
28	M26	Z	.104	.104	0	%100
29	M27	X	.18	.18	0	%100
30	M27	Z	.104	.104	0	%100
31	M28	X	.358	.358	0	%100
32	M28	Z	.207	.207	0	%100
33	M31	X	.796	.796	0	%100
34	M31	Z	.46	.46	0	%100
35	M32	X	.199	.199	0	%100
36	M32	Z	.115	.115	0	%100
37	M36	X	1.075	1.075	0	%100
38	M36	Z	.621	.621	0	%100
39	M37	X	1.46	1.46	0	%100
40	M37	Z	.843	.843	0	%100
41	M39	X	1.538	1.538	0	%100
42	M39	Z	.888	.888	0	%100
43	M41	X	1.075	1.075	0	%100
44	M41	Z	.621	.621	0	%100
45	M42	X	.365	.365	0	%100
46	M42	Z	.211	.211	0	%100
47	M44	X	.385	.385	0	%100
48	M44	Z	.222	.222	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	.719	.719	0	%100
52	M50A	Z	.415	.415	0	%100
53	M51C	X	.719	.719	0	%100
54	M51C	Z	.415	.415	0	%100
55	M52A	X	1.434	1.434	0	%100
56	M52A	Z	.828	.828	0	%100
57	M55	X	.199	.199	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M55	Z	.115	.115	0	%100
59	M56	X	.199	.199	0	%100
60	M56	Z	.115	.115	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	.365	.365	0	%100
64	M61	Z	.211	.211	0	%100
65	M63	X	.385	.385	0	%100
66	M63	Z	.222	.222	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	.365	.365	0	%100
70	M66	Z	.211	.211	0	%100
71	M68	X	.385	.385	0	%100
72	M68	Z	.222	.222	0	%100
73	M73	X	.194	.194	0	%100
74	M73	Z	.112	.112	0	%100
75	M74	X	.194	.194	0	%100
76	M74	Z	.112	.112	0	%100
77	M75	X	.775	.775	0	%100
78	M75	Z	.447	.447	0	%100
79	MP1A	X	.568	.568	0	%100
80	MP1A	Z	.328	.328	0	%100
81	MP2A	X	.687	.687	0	%100
82	MP2A	Z	.397	.397	0	%100
83	MP3A	X	.568	.568	0	%100
84	MP3A	Z	.328	.328	0	%100
85	MP4A	X	.568	.568	0	%100
86	MP4A	Z	.328	.328	0	%100
87	MP1C	X	.568	.568	0	%100
88	MP1C	Z	.328	.328	0	%100
89	MP2C	X	.687	.687	0	%100
90	MP2C	Z	.397	.397	0	%100
91	MP4C	X	.568	.568	0	%100
92	MP4C	Z	.328	.328	0	%100
93	MP1B	X	.568	.568	0	%100
94	MP1B	Z	.328	.328	0	%100
95	MP2B	X	.687	.687	0	%100
96	MP2B	Z	.397	.397	0	%100
97	MP4B	X	.568	.568	0	%100
98	MP4B	Z	.328	.328	0	%100
99	M101	X	.464	.464	0	%100
100	M101	Z	.268	.268	0	%100
101	M104	X	.172	.172	0	%100
102	M104	Z	.099	.099	0	%100
103	MP3C	X	.568	.568	0	%100
104	MP3C	Z	.328	.328	0	%100
105	M113	X	.172	.172	0	%100
106	M113	Z	.099	.099	0	%100
107	MP3B	X	.568	.568	0	%100
108	MP3B	Z	.328	.328	0	%100
109	M122	X	.687	.687	0	%100
110	M122	Z	.397	.397	0	%100
111	M123	X	.21	.21	0	%100
112	M123	Z	.121	.121	0	%100
113	M124	X	.21	.21	0	%100
114	M124	Z	.121	.121	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M125	X	.842	.842	0	%100
116	M125	Z	.486	.486	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.123	.123	0	%100
2	M4	Z	.212	.212	0	%100
3	M10	X	.311	.311	0	%100
4	M10	Z	.539	.539	0	%100
5	M43	X	.311	.311	0	%100
6	M43	Z	.539	.539	0	%100
7	M46	X	.621	.621	0	%100
8	M46	Z	1.075	1.075	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.345	.345	0	%100
12	M52B	Z	.597	.597	0	%100
13	M76	X	.207	.207	0	%100
14	M76	Z	.358	.358	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	.207	.207	0	%100
20	M84	Z	.358	.358	0	%100
21	M85	X	.632	.632	0	%100
22	M85	Z	1.095	1.095	0	%100
23	M91	X	.666	.666	0	%100
24	M91	Z	1.154	1.154	0	%100
25	M25	X	.49	.49	0	%100
26	M25	Z	.85	.85	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	.345	.345	0	%100
34	M31	Z	.597	.597	0	%100
35	M32	X	.345	.345	0	%100
36	M32	Z	.597	.597	0	%100
37	M36	X	.828	.828	0	%100
38	M36	Z	1.434	1.434	0	%100
39	M37	X	.632	.632	0	%100
40	M37	Z	1.095	1.095	0	%100
41	M39	X	.666	.666	0	%100
42	M39	Z	1.154	1.154	0	%100
43	M41	X	.828	.828	0	%100
44	M41	Z	1.434	1.434	0	%100
45	M42	X	.632	.632	0	%100
46	M42	Z	1.095	1.095	0	%100
47	M44	X	.666	.666	0	%100
48	M44	Z	1.154	1.154	0	%100
49	M49	X	.123	.123	0	%100
50	M49	Z	.212	.212	0	%100
51	M50A	X	.311	.311	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M50A	Z	.539	.539	0	%100
53	M51C	X	.311	.311	0	%100
54	M51C	Z	.539	.539	0	%100
55	M52A	X	.621	.621	0	%100
56	M52A	Z	1.075	1.075	0	%100
57	M55	X	.345	.345	0	%100
58	M55	Z	.597	.597	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	.207	.207	0	%100
62	M60	Z	.358	.358	0	%100
63	M61	X	.632	.632	0	%100
64	M61	Z	1.095	1.095	0	%100
65	M63	X	.666	.666	0	%100
66	M63	Z	1.154	1.154	0	%100
67	M65	X	.207	.207	0	%100
68	M65	Z	.358	.358	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	.335	.335	0	%100
74	M73	Z	.581	.581	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	.335	.335	0	%100
78	M75	Z	.581	.581	0	%100
79	MP1A	X	.328	.328	0	%100
80	MP1A	Z	.568	.568	0	%100
81	MP2A	X	.397	.397	0	%100
82	MP2A	Z	.687	.687	0	%100
83	MP3A	X	.328	.328	0	%100
84	MP3A	Z	.568	.568	0	%100
85	MP4A	X	.328	.328	0	%100
86	MP4A	Z	.568	.568	0	%100
87	MP1C	X	.328	.328	0	%100
88	MP1C	Z	.568	.568	0	%100
89	MP2C	X	.397	.397	0	%100
90	MP2C	Z	.687	.687	0	%100
91	MP4C	X	.328	.328	0	%100
92	MP4C	Z	.568	.568	0	%100
93	MP1B	X	.328	.328	0	%100
94	MP1B	Z	.568	.568	0	%100
95	MP2B	X	.397	.397	0	%100
96	MP2B	Z	.687	.687	0	%100
97	MP4B	X	.328	.328	0	%100
98	MP4B	Z	.568	.568	0	%100
99	M101	X	.268	.268	0	%100
100	M101	Z	.464	.464	0	%100
101	M104	X	.298	.298	0	%100
102	M104	Z	.515	.515	0	%100
103	MP3C	X	.328	.328	0	%100
104	MP3C	Z	.568	.568	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	0	0	0	%100
107	MP3B	X	.328	.328	0	%100
108	MP3B	Z	.568	.568	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	M122	X	.298	.298	0	%100
110	M122	Z	.515	.515	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	.364	.364	0	%100
114	M124	Z	.631	.631	0	%100
115	M125	X	.364	.364	0	%100
116	M125	Z	.631	.631	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	.83	.83	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	.83	.83	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	1.656	1.656	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	.23	.23	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	.23	.23	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	.422	.422	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	.444	.444	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	.422	.422	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	.444	.444	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	.736	.736	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	.208	.208	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.208	.208	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	.414	.414	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	.23	.23	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	.919	.919	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	1.242	1.242	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	.422	.422	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	.444	.444	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	1.242	1.242	0	%100
45	M42	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M42	Z	1.686	1.686	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	1.776	1.776	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	.736	.736	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	.208	.208	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	.208	.208	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	.414	.414	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	.919	.919	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	.23	.23	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	1.242	1.242	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	1.686	1.686	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	1.776	1.776	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	1.242	1.242	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	.422	.422	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	.444	.444	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	.894	.894	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	.224	.224	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	.224	.224	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	.655	.655	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	.793	.793	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	.655	.655	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	.655	.655	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	.655	.655	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	.793	.793	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	.655	.655	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	.655	.655	0	%100
95	MP2B	X	0	0	0	%100
96	MP2B	Z	.793	.793	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	.655	.655	0	%100
99	M101	X	0	0	0	%100
100	M101	Z	.536	.536	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	.793	.793	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	MP3C	X	0	0	0	%100
104	MP3C	Z	.655	.655	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	.198	.198	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	.655	.655	0	%100
109	M122	X	0	0	0	%100
110	M122	Z	.198	.198	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	.243	.243	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	.972	.972	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	.243	.243	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.123	-.123	0	%100
2	M4	Z	.212	.212	0	%100
3	M10	X	-.311	-.311	0	%100
4	M10	Z	.539	.539	0	%100
5	M43	X	-.311	-.311	0	%100
6	M43	Z	.539	.539	0	%100
7	M46	X	-.621	-.621	0	%100
8	M46	Z	1.075	1.075	0	%100
9	M51B	X	-.345	-.345	0	%100
10	M51B	Z	.597	.597	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-.207	-.207	0	%100
14	M76	Z	.358	.358	0	%100
15	M77	X	-.632	-.632	0	%100
16	M77	Z	1.095	1.095	0	%100
17	M80	X	-.666	-.666	0	%100
18	M80	Z	1.154	1.154	0	%100
19	M84	X	-.207	-.207	0	%100
20	M84	Z	.358	.358	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-.123	-.123	0	%100
26	M25	Z	.212	.212	0	%100
27	M26	X	-.311	-.311	0	%100
28	M26	Z	.539	.539	0	%100
29	M27	X	-.311	-.311	0	%100
30	M27	Z	.539	.539	0	%100
31	M28	X	-.621	-.621	0	%100
32	M28	Z	1.075	1.075	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-.345	-.345	0	%100
36	M32	Z	.597	.597	0	%100
37	M36	X	-.207	-.207	0	%100
38	M36	Z	.358	.358	0	%100
39	M37	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.207	-.207	0	%100
44	M41	Z	.358	.358	0	%100
45	M42	X	-.632	-.632	0	%100
46	M42	Z	1.095	1.095	0	%100
47	M44	X	-.666	-.666	0	%100
48	M44	Z	1.154	1.154	0	%100
49	M49	X	-.49	-.49	0	%100
50	M49	Z	.85	.85	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	-.345	-.345	0	%100
58	M55	Z	.597	.597	0	%100
59	M56	X	-.345	-.345	0	%100
60	M56	Z	.597	.597	0	%100
61	M60	X	-.828	-.828	0	%100
62	M60	Z	1.434	1.434	0	%100
63	M61	X	-.632	-.632	0	%100
64	M61	Z	1.095	1.095	0	%100
65	M63	X	-.666	-.666	0	%100
66	M63	Z	1.154	1.154	0	%100
67	M65	X	-.828	-.828	0	%100
68	M65	Z	1.434	1.434	0	%100
69	M66	X	-.632	-.632	0	%100
70	M66	Z	1.095	1.095	0	%100
71	M68	X	-.666	-.666	0	%100
72	M68	Z	1.154	1.154	0	%100
73	M73	X	-.335	-.335	0	%100
74	M73	Z	.581	.581	0	%100
75	M74	X	-.335	-.335	0	%100
76	M74	Z	.581	.581	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-.328	-.328	0	%100
80	MP1A	Z	.568	.568	0	%100
81	MP2A	X	-.397	-.397	0	%100
82	MP2A	Z	.687	.687	0	%100
83	MP3A	X	-.328	-.328	0	%100
84	MP3A	Z	.568	.568	0	%100
85	MP4A	X	-.328	-.328	0	%100
86	MP4A	Z	.568	.568	0	%100
87	MP1C	X	-.328	-.328	0	%100
88	MP1C	Z	.568	.568	0	%100
89	MP2C	X	-.397	-.397	0	%100
90	MP2C	Z	.687	.687	0	%100
91	MP4C	X	-.328	-.328	0	%100
92	MP4C	Z	.568	.568	0	%100
93	MP1B	X	-.328	-.328	0	%100
94	MP1B	Z	.568	.568	0	%100
95	MP2B	X	-.397	-.397	0	%100
96	MP2B	Z	.687	.687	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	MP4B	X	-.328	-.328	0	%100
98	MP4B	Z	.568	.568	0	%100
99	M101	X	-.268	-.268	0	%100
100	M101	Z	.464	.464	0	%100
101	M104	X	-.298	-.298	0	%100
102	M104	Z	.515	.515	0	%100
103	MP3C	X	-.328	-.328	0	%100
104	MP3C	Z	.568	.568	0	%100
105	M113	X	-.298	-.298	0	%100
106	M113	Z	.515	.515	0	%100
107	MP3B	X	-.328	-.328	0	%100
108	MP3B	Z	.568	.568	0	%100
109	M122	X	0	0	0	%100
110	M122	Z	0	0	0	%100
111	M123	X	-.364	-.364	0	%100
112	M123	Z	.631	.631	0	%100
113	M124	X	-.364	-.364	0	%100
114	M124	Z	.631	.631	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.637	-.637	0	%100
2	M4	Z	.368	.368	0	%100
3	M10	X	-.18	-.18	0	%100
4	M10	Z	.104	.104	0	%100
5	M43	X	-.18	-.18	0	%100
6	M43	Z	.104	.104	0	%100
7	M46	X	-.358	-.358	0	%100
8	M46	Z	.207	.207	0	%100
9	M51B	X	-.796	-.796	0	%100
10	M51B	Z	.46	.46	0	%100
11	M52B	X	-.199	-.199	0	%100
12	M52B	Z	.115	.115	0	%100
13	M76	X	-1.075	-1.075	0	%100
14	M76	Z	.621	.621	0	%100
15	M77	X	-1.46	-1.46	0	%100
16	M77	Z	.843	.843	0	%100
17	M80	X	-1.538	-1.538	0	%100
18	M80	Z	.888	.888	0	%100
19	M84	X	-1.075	-1.075	0	%100
20	M84	Z	.621	.621	0	%100
21	M85	X	-.365	-.365	0	%100
22	M85	Z	.211	.211	0	%100
23	M91	X	-.385	-.385	0	%100
24	M91	Z	.222	.222	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-.719	-.719	0	%100
28	M26	Z	.415	.415	0	%100
29	M27	X	-.719	-.719	0	%100
30	M27	Z	.415	.415	0	%100
31	M28	X	-1.434	-1.434	0	%100
32	M28	Z	.828	.828	0	%100
33	M31	X	-.199	-.199	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M31	Z	.115	.115	0	%100
35	M32	X	-.199	-.199	0	%100
36	M32	Z	.115	.115	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-.365	-.365	0	%100
40	M37	Z	.211	.211	0	%100
41	M39	X	-.385	-.385	0	%100
42	M39	Z	.222	.222	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-.365	-.365	0	%100
46	M42	Z	.211	.211	0	%100
47	M44	X	-.385	-.385	0	%100
48	M44	Z	.222	.222	0	%100
49	M49	X	-.637	-.637	0	%100
50	M49	Z	.368	.368	0	%100
51	M50A	X	-.18	-.18	0	%100
52	M50A	Z	.104	.104	0	%100
53	M51C	X	-.18	-.18	0	%100
54	M51C	Z	.104	.104	0	%100
55	M52A	X	-.358	-.358	0	%100
56	M52A	Z	.207	.207	0	%100
57	M55	X	-.199	-.199	0	%100
58	M55	Z	.115	.115	0	%100
59	M56	X	-.796	-.796	0	%100
60	M56	Z	.46	.46	0	%100
61	M60	X	-1.075	-1.075	0	%100
62	M60	Z	.621	.621	0	%100
63	M61	X	-.365	-.365	0	%100
64	M61	Z	.211	.211	0	%100
65	M63	X	-.385	-.385	0	%100
66	M63	Z	.222	.222	0	%100
67	M65	X	-1.075	-1.075	0	%100
68	M65	Z	.621	.621	0	%100
69	M66	X	-1.46	-1.46	0	%100
70	M66	Z	.843	.843	0	%100
71	M68	X	-1.538	-1.538	0	%100
72	M68	Z	.888	.888	0	%100
73	M73	X	-.194	-.194	0	%100
74	M73	Z	.112	.112	0	%100
75	M74	X	-.775	-.775	0	%100
76	M74	Z	.447	.447	0	%100
77	M75	X	-.194	-.194	0	%100
78	M75	Z	.112	.112	0	%100
79	MP1A	X	-.568	-.568	0	%100
80	MP1A	Z	.328	.328	0	%100
81	MP2A	X	-.687	-.687	0	%100
82	MP2A	Z	.397	.397	0	%100
83	MP3A	X	-.568	-.568	0	%100
84	MP3A	Z	.328	.328	0	%100
85	MP4A	X	-.568	-.568	0	%100
86	MP4A	Z	.328	.328	0	%100
87	MP1C	X	-.568	-.568	0	%100
88	MP1C	Z	.328	.328	0	%100
89	MP2C	X	-.687	-.687	0	%100
90	MP2C	Z	.397	.397	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP4C	X	-.568	-.568	0	%100
92	MP4C	Z	.328	.328	0	%100
93	MP1B	X	-.568	-.568	0	%100
94	MP1B	Z	.328	.328	0	%100
95	MP2B	X	-.687	-.687	0	%100
96	MP2B	Z	.397	.397	0	%100
97	MP4B	X	-.568	-.568	0	%100
98	MP4B	Z	.328	.328	0	%100
99	M101	X	-.464	-.464	0	%100
100	M101	Z	.268	.268	0	%100
101	M104	X	-.172	-.172	0	%100
102	M104	Z	.099	.099	0	%100
103	MP3C	X	-.568	-.568	0	%100
104	MP3C	Z	.328	.328	0	%100
105	M113	X	-.687	-.687	0	%100
106	M113	Z	.397	.397	0	%100
107	MP3B	X	-.568	-.568	0	%100
108	MP3B	Z	.328	.328	0	%100
109	M122	X	-.172	-.172	0	%100
110	M122	Z	.099	.099	0	%100
111	M123	X	-.842	-.842	0	%100
112	M123	Z	.486	.486	0	%100
113	M124	X	-.21	-.21	0	%100
114	M124	Z	.121	.121	0	%100
115	M125	X	-.21	-.21	0	%100
116	M125	Z	.121	.121	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.981	-.981	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	-.69	-.69	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.69	-.69	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-1.656	-1.656	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-1.265	-1.265	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-1.332	-1.332	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-1.656	-1.656	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-1.265	-1.265	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-1.332	-1.332	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-.245	-.245	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-.623	-.623	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	M26	Z	0	0	0	%100
29	M27	X	-.623	-.623	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-1.242	-1.242	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-.69	-.69	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-.414	-.414	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-1.265	-1.265	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	-1.332	-1.332	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.414	-.414	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-.245	-.245	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-.623	-.623	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-.623	-.623	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-1.242	-1.242	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-.69	-.69	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-.414	-.414	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-.414	-.414	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-1.265	-1.265	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-1.332	-1.332	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-.671	-.671	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-.671	-.671	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-.655	-.655	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-.793	-.793	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-.655	-.655	0	%100
84	MP3A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	MP4A	X	-.655	-.655	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	-.655	-.655	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	-.793	-.793	0	%100
90	MP2C	Z	0	0	0	%100
91	MP4C	X	-.655	-.655	0	%100
92	MP4C	Z	0	0	0	%100
93	MP1B	X	-.655	-.655	0	%100
94	MP1B	Z	0	0	0	%100
95	MP2B	X	-.793	-.793	0	%100
96	MP2B	Z	0	0	0	%100
97	MP4B	X	-.655	-.655	0	%100
98	MP4B	Z	0	0	0	%100
99	M101	X	-.536	-.536	0	%100
100	M101	Z	0	0	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	MP3C	X	-.655	-.655	0	%100
104	MP3C	Z	0	0	0	%100
105	M113	X	-.595	-.595	0	%100
106	M113	Z	0	0	0	%100
107	MP3B	X	-.655	-.655	0	%100
108	MP3B	Z	0	0	0	%100
109	M122	X	-.595	-.595	0	%100
110	M122	Z	0	0	0	%100
111	M123	X	-.729	-.729	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-.729	-.729	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.637	-.637	0	%100
2	M4	Z	-.368	-.368	0	%100
3	M10	X	-.18	-.18	0	%100
4	M10	Z	-.104	-.104	0	%100
5	M43	X	-.18	-.18	0	%100
6	M43	Z	-.104	-.104	0	%100
7	M46	X	-.358	-.358	0	%100
8	M46	Z	-.207	-.207	0	%100
9	M51B	X	-.199	-.199	0	%100
10	M51B	Z	-.115	-.115	0	%100
11	M52B	X	-.796	-.796	0	%100
12	M52B	Z	-.46	-.46	0	%100
13	M76	X	-1.075	-1.075	0	%100
14	M76	Z	-.621	-.621	0	%100
15	M77	X	-.365	-.365	0	%100
16	M77	Z	-.211	-.211	0	%100
17	M80	X	-.385	-.385	0	%100
18	M80	Z	-.222	-.222	0	%100
19	M84	X	-1.075	-1.075	0	%100
20	M84	Z	-.621	-.621	0	%100
21	M85	X	-1.46	-1.46	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M85	Z	-.843	-.843	0	%100
23	M91	X	-1.538	-1.538	0	%100
24	M91	Z	-.888	-.888	0	%100
25	M25	X	-.637	-.637	0	%100
26	M25	Z	-.368	-.368	0	%100
27	M26	X	-.18	-.18	0	%100
28	M26	Z	-.104	-.104	0	%100
29	M27	X	-.18	-.18	0	%100
30	M27	Z	-.104	-.104	0	%100
31	M28	X	-.358	-.358	0	%100
32	M28	Z	-.207	-.207	0	%100
33	M31	X	-.796	-.796	0	%100
34	M31	Z	-.46	-.46	0	%100
35	M32	X	-.199	-.199	0	%100
36	M32	Z	-.115	-.115	0	%100
37	M36	X	-1.075	-1.075	0	%100
38	M36	Z	-.621	-.621	0	%100
39	M37	X	-1.46	-1.46	0	%100
40	M37	Z	-.843	-.843	0	%100
41	M39	X	-1.538	-1.538	0	%100
42	M39	Z	-.888	-.888	0	%100
43	M41	X	-1.075	-1.075	0	%100
44	M41	Z	-.621	-.621	0	%100
45	M42	X	-.365	-.365	0	%100
46	M42	Z	-.211	-.211	0	%100
47	M44	X	-.385	-.385	0	%100
48	M44	Z	-.222	-.222	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-.719	-.719	0	%100
52	M50A	Z	-.415	-.415	0	%100
53	M51C	X	-.719	-.719	0	%100
54	M51C	Z	-.415	-.415	0	%100
55	M52A	X	-1.434	-1.434	0	%100
56	M52A	Z	-.828	-.828	0	%100
57	M55	X	-.199	-.199	0	%100
58	M55	Z	-.115	-.115	0	%100
59	M56	X	-.199	-.199	0	%100
60	M56	Z	-.115	-.115	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-.365	-.365	0	%100
64	M61	Z	-.211	-.211	0	%100
65	M63	X	-.385	-.385	0	%100
66	M63	Z	-.222	-.222	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-.365	-.365	0	%100
70	M66	Z	-.211	-.211	0	%100
71	M68	X	-.385	-.385	0	%100
72	M68	Z	-.222	-.222	0	%100
73	M73	X	-.194	-.194	0	%100
74	M73	Z	-.112	-.112	0	%100
75	M74	X	-.194	-.194	0	%100
76	M74	Z	-.112	-.112	0	%100
77	M75	X	-.775	-.775	0	%100
78	M75	Z	-.447	-.447	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	MP1A	X	-.568	-.568	0	%100
80	MP1A	Z	-.328	-.328	0	%100
81	MP2A	X	-.687	-.687	0	%100
82	MP2A	Z	-.397	-.397	0	%100
83	MP3A	X	-.568	-.568	0	%100
84	MP3A	Z	-.328	-.328	0	%100
85	MP4A	X	-.568	-.568	0	%100
86	MP4A	Z	-.328	-.328	0	%100
87	MP1C	X	-.568	-.568	0	%100
88	MP1C	Z	-.328	-.328	0	%100
89	MP2C	X	-.687	-.687	0	%100
90	MP2C	Z	-.397	-.397	0	%100
91	MP4C	X	-.568	-.568	0	%100
92	MP4C	Z	-.328	-.328	0	%100
93	MP1B	X	-.568	-.568	0	%100
94	MP1B	Z	-.328	-.328	0	%100
95	MP2B	X	-.687	-.687	0	%100
96	MP2B	Z	-.397	-.397	0	%100
97	MP4B	X	-.568	-.568	0	%100
98	MP4B	Z	-.328	-.328	0	%100
99	M101	X	-.464	-.464	0	%100
100	M101	Z	-.268	-.268	0	%100
101	M104	X	-.172	-.172	0	%100
102	M104	Z	-.099	-.099	0	%100
103	MP3C	X	-.568	-.568	0	%100
104	MP3C	Z	-.328	-.328	0	%100
105	M113	X	-.172	-.172	0	%100
106	M113	Z	-.099	-.099	0	%100
107	MP3B	X	-.568	-.568	0	%100
108	MP3B	Z	-.328	-.328	0	%100
109	M122	X	-.687	-.687	0	%100
110	M122	Z	-.397	-.397	0	%100
111	M123	X	-.21	-.21	0	%100
112	M123	Z	-.121	-.121	0	%100
113	M124	X	-.21	-.21	0	%100
114	M124	Z	-.121	-.121	0	%100
115	M125	X	-.842	-.842	0	%100
116	M125	Z	-.486	-.486	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.123	-.123	0	%100
2	M4	Z	-.212	-.212	0	%100
3	M10	X	-.311	-.311	0	%100
4	M10	Z	-.539	-.539	0	%100
5	M43	X	-.311	-.311	0	%100
6	M43	Z	-.539	-.539	0	%100
7	M46	X	-.621	-.621	0	%100
8	M46	Z	-1.075	-1.075	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.345	-.345	0	%100
12	M52B	Z	-.597	-.597	0	%100
13	M76	X	-.207	-.207	0	%100
14	M76	Z	-.358	-.358	0	%100
15	M77	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-.207	-.207	0	%100
20	M84	Z	-.358	-.358	0	%100
21	M85	X	-.632	-.632	0	%100
22	M85	Z	-1.095	-1.095	0	%100
23	M91	X	-.666	-.666	0	%100
24	M91	Z	-1.154	-1.154	0	%100
25	M25	X	-.49	-.49	0	%100
26	M25	Z	-.85	-.85	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-.345	-.345	0	%100
34	M31	Z	-.597	-.597	0	%100
35	M32	X	-.345	-.345	0	%100
36	M32	Z	-.597	-.597	0	%100
37	M36	X	-.828	-.828	0	%100
38	M36	Z	-1.434	-1.434	0	%100
39	M37	X	-.632	-.632	0	%100
40	M37	Z	-1.095	-1.095	0	%100
41	M39	X	-.666	-.666	0	%100
42	M39	Z	-1.154	-1.154	0	%100
43	M41	X	-.828	-.828	0	%100
44	M41	Z	-1.434	-1.434	0	%100
45	M42	X	-.632	-.632	0	%100
46	M42	Z	-1.095	-1.095	0	%100
47	M44	X	-.666	-.666	0	%100
48	M44	Z	-1.154	-1.154	0	%100
49	M49	X	-.123	-.123	0	%100
50	M49	Z	-.212	-.212	0	%100
51	M50A	X	-.311	-.311	0	%100
52	M50A	Z	-.539	-.539	0	%100
53	M51C	X	-.311	-.311	0	%100
54	M51C	Z	-.539	-.539	0	%100
55	M52A	X	-.621	-.621	0	%100
56	M52A	Z	-1.075	-1.075	0	%100
57	M55	X	-.345	-.345	0	%100
58	M55	Z	-.597	-.597	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-.207	-.207	0	%100
62	M60	Z	-.358	-.358	0	%100
63	M61	X	-.632	-.632	0	%100
64	M61	Z	-1.095	-1.095	0	%100
65	M63	X	-.666	-.666	0	%100
66	M63	Z	-1.154	-1.154	0	%100
67	M65	X	-.207	-.207	0	%100
68	M65	Z	-.358	-.358	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M73	X	-.335	-.335	0	%100
74	M73	Z	-.581	-.581	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-.335	-.335	0	%100
78	M75	Z	-.581	-.581	0	%100
79	MP1A	X	-.328	-.328	0	%100
80	MP1A	Z	-.568	-.568	0	%100
81	MP2A	X	-.397	-.397	0	%100
82	MP2A	Z	-.687	-.687	0	%100
83	MP3A	X	-.328	-.328	0	%100
84	MP3A	Z	-.568	-.568	0	%100
85	MP4A	X	-.328	-.328	0	%100
86	MP4A	Z	-.568	-.568	0	%100
87	MP1C	X	-.328	-.328	0	%100
88	MP1C	Z	-.568	-.568	0	%100
89	MP2C	X	-.397	-.397	0	%100
90	MP2C	Z	-.687	-.687	0	%100
91	MP4C	X	-.328	-.328	0	%100
92	MP4C	Z	-.568	-.568	0	%100
93	MP1B	X	-.328	-.328	0	%100
94	MP1B	Z	-.568	-.568	0	%100
95	MP2B	X	-.397	-.397	0	%100
96	MP2B	Z	-.687	-.687	0	%100
97	MP4B	X	-.328	-.328	0	%100
98	MP4B	Z	-.568	-.568	0	%100
99	M101	X	-.268	-.268	0	%100
100	M101	Z	-.464	-.464	0	%100
101	M104	X	-.298	-.298	0	%100
102	M104	Z	-.515	-.515	0	%100
103	MP3C	X	-.328	-.328	0	%100
104	MP3C	Z	-.568	-.568	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	0	0	0	%100
107	MP3B	X	-.328	-.328	0	%100
108	MP3B	Z	-.568	-.568	0	%100
109	M122	X	-.298	-.298	0	%100
110	M122	Z	-.515	-.515	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-.364	-.364	0	%100
114	M124	Z	-.631	-.631	0	%100
115	M125	X	-.364	-.364	0	%100
116	M125	Z	-.631	-.631	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M51B	Y	-1.601	-4.064	0	.832
2	M51B	Y	-4.064	-6.635	.832	1.665
3	M51B	Y	-6.635	-7.874	1.665	2.497
4	M51B	Y	-7.874	-6.292	2.497	3.329
5	M51B	Y	-6.292	-3.33	3.329	4.162
6	M52B	Y	-3.336	-6.325	0	.832
7	M52B	Y	-6.325	-7.938	.832	1.665
8	M52B	Y	-7.938	-6.771	1.665	2.497
9	M52B	Y	-6.771	-4.259	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,F...	Start Location[ft,%]	End Location[ft,%]
10	M52B	Y	-4.259	-1.808	3.329	4.162
11	M31	Y	-1.601	-4.064	0	.832
12	M31	Y	-4.064	-6.635	.832	1.665
13	M31	Y	-6.635	-7.874	1.665	2.497
14	M31	Y	-7.874	-6.292	2.497	3.329
15	M31	Y	-6.292	-3.33	3.329	4.162
16	M32	Y	-3.336	-6.325	0	.832
17	M32	Y	-6.325	-7.938	.832	1.665
18	M32	Y	-7.938	-6.771	1.665	2.497
19	M32	Y	-6.771	-4.259	2.497	3.329
20	M32	Y	-4.259	-1.808	3.329	4.162
21	M55	Y	-1.812	-4.256	0	.832
22	M55	Y	-4.256	-6.773	.832	1.665
23	M55	Y	-6.773	-7.943	1.665	2.497
24	M55	Y	-7.943	-6.32	2.497	3.329
25	M55	Y	-6.32	-3.329	3.329	4.162
26	M56	Y	-3.33	-6.293	0	.832
27	M56	Y	-6.293	-7.874	.832	1.665
28	M56	Y	-7.874	-6.636	1.665	2.497
29	M56	Y	-6.636	-4.066	2.497	3.329
30	M56	Y	-4.066	-1.597	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M51B	Y	-3.523	-8.94	0	.832
2	M51B	Y	-8.94	-14.598	.832	1.665
3	M51B	Y	-14.598	-17.324	1.665	2.497
4	M51B	Y	-17.324	-13.842	2.497	3.329
5	M51B	Y	-13.842	-7.325	3.329	4.162
6	M52B	Y	-7.339	-13.914	0	.832
7	M52B	Y	-13.914	-17.464	.832	1.665
8	M52B	Y	-17.464	-14.895	1.665	2.497
9	M52B	Y	-14.895	-9.37	2.497	3.329
10	M52B	Y	-9.37	-3.979	3.329	4.162
11	M31	Y	-3.523	-8.94	0	.832
12	M31	Y	-8.94	-14.598	.832	1.665
13	M31	Y	-14.598	-17.324	1.665	2.497
14	M31	Y	-17.324	-13.842	2.497	3.329
15	M31	Y	-13.842	-7.325	3.329	4.162
16	M32	Y	-7.339	-13.914	0	.832
17	M32	Y	-13.914	-17.464	.832	1.665
18	M32	Y	-17.464	-14.895	1.665	2.497
19	M32	Y	-14.895	-9.37	2.497	3.329
20	M32	Y	-9.37	-3.979	3.329	4.162
21	M55	Y	-3.986	-9.363	0	.832
22	M55	Y	-9.363	-14.902	.832	1.665
23	M55	Y	-14.902	-17.474	1.665	2.497
24	M55	Y	-17.474	-13.905	2.497	3.329
25	M55	Y	-13.905	-7.323	3.329	4.162
26	M56	Y	-7.326	-13.844	0	.832
27	M56	Y	-13.844	-17.322	.832	1.665
28	M56	Y	-17.322	-14.6	1.665	2.497
29	M56	Y	-14.6	-8.944	2.497	3.329
30	M56	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	N87C	N87B	N7	N6	Y	Two Way	-.005
2	N55	N57	N33	N32	Y	Two Way	-.005
3	N84	N86	N62	N61	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	Y	Two Way	-.011
2	N55	N57	N33	N32	Y	Two Way	-.011
3	N84	N86	N62	N61	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	1525.536	10	2929.409	13	4482.514	1	6.166	13	2.69	4	.393	5
2		min	-1527.417	4	152.65	7	-4640.085	7	-1.252	7	-2.687	10	-.248	11
3	N30A	max	3779.052	9	2772.977	21	2098.761	3	.705	3	2.568	12	.893	3
4		min	-3915.069	3	94.16	3	-2020.018	9	-2.896	21	-2.565	6	-5.274	21
5	N59	max	3774.537	11	2776.949	17	2448.259	12	.415	11	2.581	8	5.153	17
6		min	-3638.273	5	96.8	11	-2359.086	6	-3.117	17	-2.578	2	-1.055	11
7	Totals:	max	8582.019	10	7884.908	19	8603.939	1						
8		min	-8582.02	4	3275.333	1	-8603.935	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 [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M4	HSS4X4X4	.385	0	15	.091	0	y	15	124657.7...	139518	16.181	16.181	3...	H1-1b
2	M10	HSS4X4X4	.192	2.375	14	.078	.223	z	2	136263.03	139518	16.181	16.181	1...	H1-1b
3	M43	HSS4X4X4	.195	0	24	.072	2.152	z	12	136263.03	139518	16.181	16.181	1...	H1-1b
4	M46	PL1/2x6	.366	.516	12	.174	.516	y	11	66009.234	97200	1.012	12.15	1...	H1-1b
5	M51B	L2x2x3	.283	4.162	2	.012	4.162	y	17	9823.122	23392.8	.558	1.14	1...	H2-1
6	M52B	L2x2x3	.257	0	12	.014	4.162	y	21	9823.122	23392.8	.558	1.127	1...	H2-1
7	M76	PL3/8x6	.354	0	2	.203	0	y	18	70677.939	72900	.57	9.113	1...	H1-1b
8	M77	PL3/8x6	.498	.167	8	.390	0	y	14	71601.728	72900	.57	9.113	1...	H1-1b
9	M80	PL1/2x6	.091	0	2	.129	0	y	11	96757.507	97200	1.012	12.15	1...	H1-1b
10	M84	PL3/8x6	.484	0	12	.275	0	y	20	70677.939	72900	.57	9.113	1...	H1-1b
11	M85	PL3/8x6	.473	.167	6	.390	0	y	13	71601.728	72900	.57	9.113	1...	H1-1b
12	M91	PL1/2x6	.104	0	12	.113	.112	y	9	96757.507	97200	1.012	12.15	1...	H1-1b
13	M25	HSS4X4X4	.376	0	21	.083	0	y	22	124657.7...	139518	16.181	16.181	2...	H1-1b
14	M26	HSS4X4X4	.192	2.375	22	.078	.223	z	10	136263.03	139518	16.181	16.181	1...	H1-1b
15	M27	HSS4X4X4	.194	0	20	.072	2.152	z	8	136263.03	139518	16.181	16.181	1...	H1-1b
16	M28	PL1/2x6	.367	.516	8	.175	.516	y	7	66009.234	97200	1.012	12.15	1...	H1-1b
17	M31	L2x2x3	.283	4.162	10	.012	4.162	y	13	9823.122	23392.8	.558	1.14	1...	H2-1
18	M32	L2x2x3	.257	0	8	.014	4.162	y	17	9823.122	23392.8	.558	1.127	1...	H2-1
19	M36	PL3/8x6	.356	0	10	.205	0	y	14	70677.939	72900	.57	9.113	1.2	H1-1b
20	M37	PL3/8x6	.498	.167	4	.391	0	y	22	71601.728	72900	.57	9.113	1...	H1-1b
21	M39	PL1/2x6	.091	0	10	.131	0	y	7	96757.507	97200	1.012	12.15	1...	H1-1b
22	M41	PL3/8x6	.484	0	8	.274	0	y	16	70677.939	72900	.57	9.113	1...	H1-1b
23	M42	PL3/8x6	.472	.167	2	.388	0	y	21	71601.728	72900	.57	9.113	1...	H1-1b
24	M44	PL1/2x6	.104	0	8	.114	.112	y	5	96757.507	97200	1.012	12.15	1...	H1-1b
25	M49	HSS4X4X4	.376	0	17	.098	0	y	42	124657.7...	139518	16.181	16.181	2...	H1-1b
26	M50A	HSS4X4X4	.192	2.375	18	.078	.223	z	6	136263.03	139518	16.181	16.181	1...	H1-1b
27	M51C	HSS4X4X4	.195	0	16	.073	2.152	z	4	136263.03	139518	16.181	16.181	1...	H1-1b
28	M52A	PL1/2x6	.367	.516	4	.175	.516	y	3	66009.234	97200	1.012	12.15	1...	H1-1b
29	M55	L2x2x3	.283	4.162	6	.012	4.162	y	21	9823.122	23392.8	.558	1.127	1...	H2-1

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [...	phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn
30	M56	L2x2x3	.257	0	4	.014	4.162	y	13	9823.122	23392.8	.558	1.14	1....	H2-1
31	M60	PL3/8x6	.353	0	6	.205	0	y	22	70677.939	72900	.57	9.113	1....	H1-1b
32	M61	PL3/8x6	.498	.167	12	.391	0	y	18	71601.728	72900	.57	9.113	1....	H1-1b
33	M63	PL1/2x6	.091	0	6	.155	0	y	27	96757.507	97200	1.012	12.15	1....	H1-1b
34	M65	PL3/8x6	.485	0	4	.276	0	y	24	70677.939	72900	.57	9.113	1....	H1-1b
35	M66	PL3/8x6	.472	.167	10	.390	0	y	16	71601.728	72900	.57	9.113	1....	H1-1b
36	M68	PL1/2x6	.104	0	4	.115	.112	y	1	96757.507	97200	1.012	12.15	1....	H1-1b
37	M73	PIPE_3.0	.189	8.594	10	.114	.781		7	28250.554	65205	5.749	5.749	3....	H1-1b
38	M74	PIPE_3.0	.189	8.594	6	.114	.781		3	28250.554	65205	5.749	5.749	3....	H1-1b
39	M75	PIPE_3.0	.190	8.594	2	.114	.781		11	28250.554	65205	5.749	5.749	3....	H1-1b
40	MP1A	PIPE_2.0	.419	4	8	.129	4		10	14916.096	32130	1.872	1.872	1....	H1-1b
41	MP2A	PIPE_2.5	.453	4	9	.104	4		10	30038.461	50715	3.596	3.596	1....	H1-1b
42	MP3A	PIPE_2.0	.558	4	5	.115	4		2	14916.096	32130	1.872	1.872	1....	H1-1b
43	MP4A	PIPE_2.0	.450	4	6	.130	4		4	14916.096	32130	1.872	1.872	1....	H1-1b
44	MP1C	PIPE_2.0	.399	4	5	.128	4		6	14916.096	32130	1.872	1.872	1....	H1-1b
45	MP2C	PIPE_2.5	.453	4	5	.104	4		6	30038.461	50715	3.596	3.596	1....	H1-1b
46	MP4C	PIPE_2.0	.421	4	1	.130	4		12	14916.096	32130	1.872	1.872	1....	H1-1b
47	MP1B	PIPE_2.0	.382	4	1	.129	4		2	14916.096	32130	1.872	1.872	1....	H1-1b
48	MP2B	PIPE_2.5	.454	4	1	.104	4		2	30038.461	50715	3.596	3.596	1....	H1-1b
49	MP4B	PIPE_2.0	.429	4	9	.129	4		8	14916.096	32130	1.872	1.872	1....	H1-1b
50	M101	PIPE_2.0	.115	2.5	2	.022	2.5		2	28843.414	32130	1.872	1.872	2....	H1-1b
51	M104	PIPE_2.5	.234	8.724	9	.071	11.068		6	14558.792	50715	3.596	3.596	2....	H1-1b
52	MP3C	PIPE_2.0	.559	4	1	.115	4		10	14916.096	32130	1.872	1.872	1....	H1-1b
53	M113	PIPE_2.5	.233	8.724	5	.072	11.068		2	14558.792	50715	3.596	3.596	2....	H1-1b
54	MP3B	PIPE_2.0	.556	4	9	.115	4		6	14916.096	32130	1.872	1.872	1....	H1-1b
55	M122	PIPE_2.5	.235	8.724	1	.071	11.068		10	14558.792	50715	3.596	3.596	2....	H1-1b
56	M123	L3X3X4	.385	0	11	.064	0	y	6	43376.381	46656	1.688	3.756	2....	H2-1
57	M124	L3X3X4	.385	0	3	.064	0	y	10	43376.381	46656	1.688	3.756	2....	H2-1
58	M125	L3X3X4	.385	0	7	.064	0	y	2	43376.381	46656	1.688	3.756	2....	H2-1

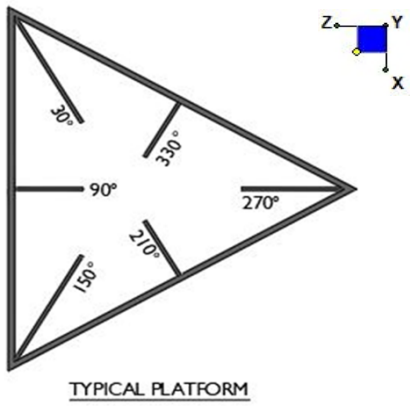
Client:	Verizon Wireless	Date:	8/11/2021
Site Name:	Frankllin North		
Project No.	20777641A		
Title:	Mount MOD Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

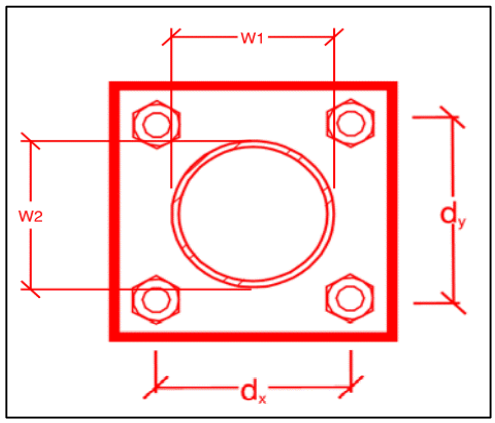
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N30A	30
N3	270
N59	150



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)* :	7
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	7
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	22.8
Required Shear Strength (kips):	4.9
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**27.5%***
Shear Capacity Overall:	**9.9%**



**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):	4
Phi*Rn (kip/in):	5.57
Required Weld Strength (kip/in):	3.56
Plate Bending Capacity:	**54.3%**
Weld Capacity:	**64.0%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	17.1
Phi*Mn_{xx} *(kip-in)* :	31.6
Mu_{yy} *(kip-in)* :	0.1
Phi*Mn_{yy} *(kip-in)* :	31.6

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

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

Photo Requirements:

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

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

Material Certification:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Contractor shall install the new OVP on the new equipment pipe, 12” from the top of the pipe.

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: 468039-VZW - Franklin North

Sector: **A**

Structure Type: Monopole

Mount Elev: 177.00

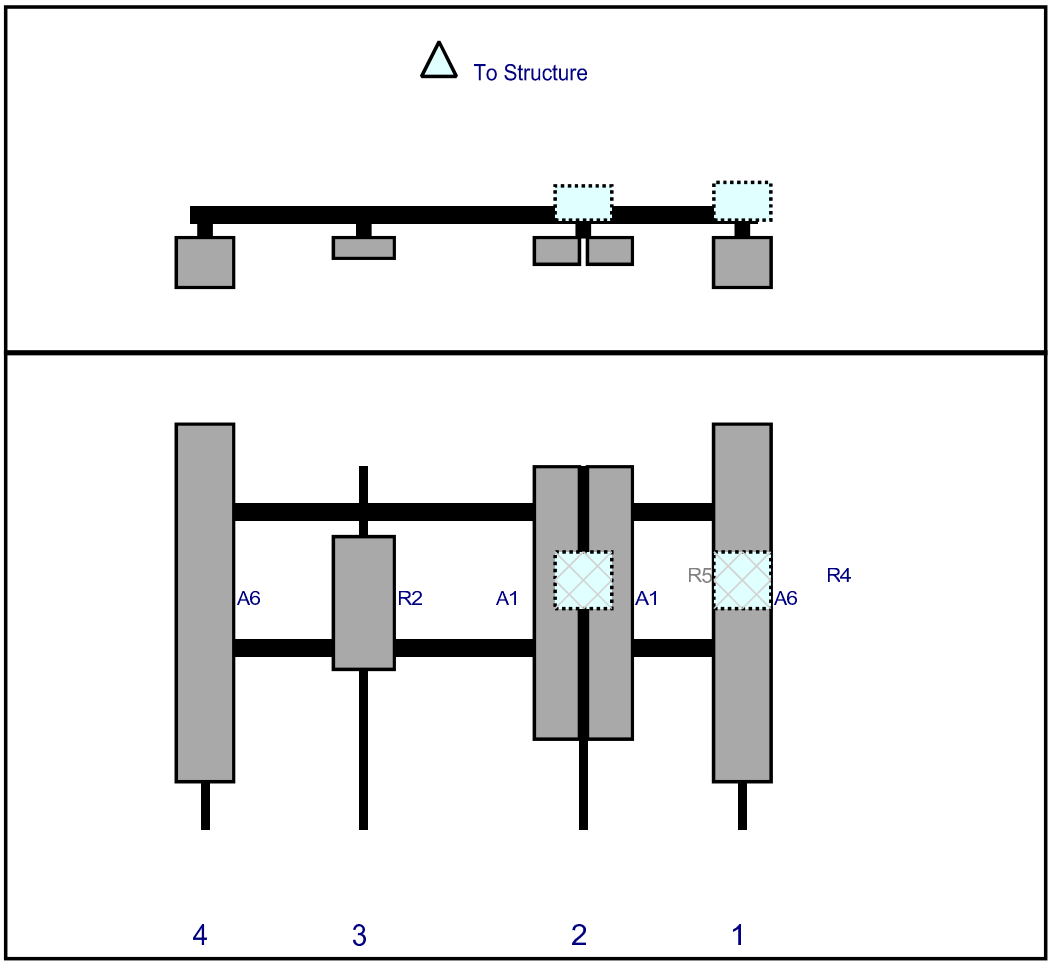
10093892

8/11/2021

MASER CONSULTING — CONNECTICUT —

Plan View

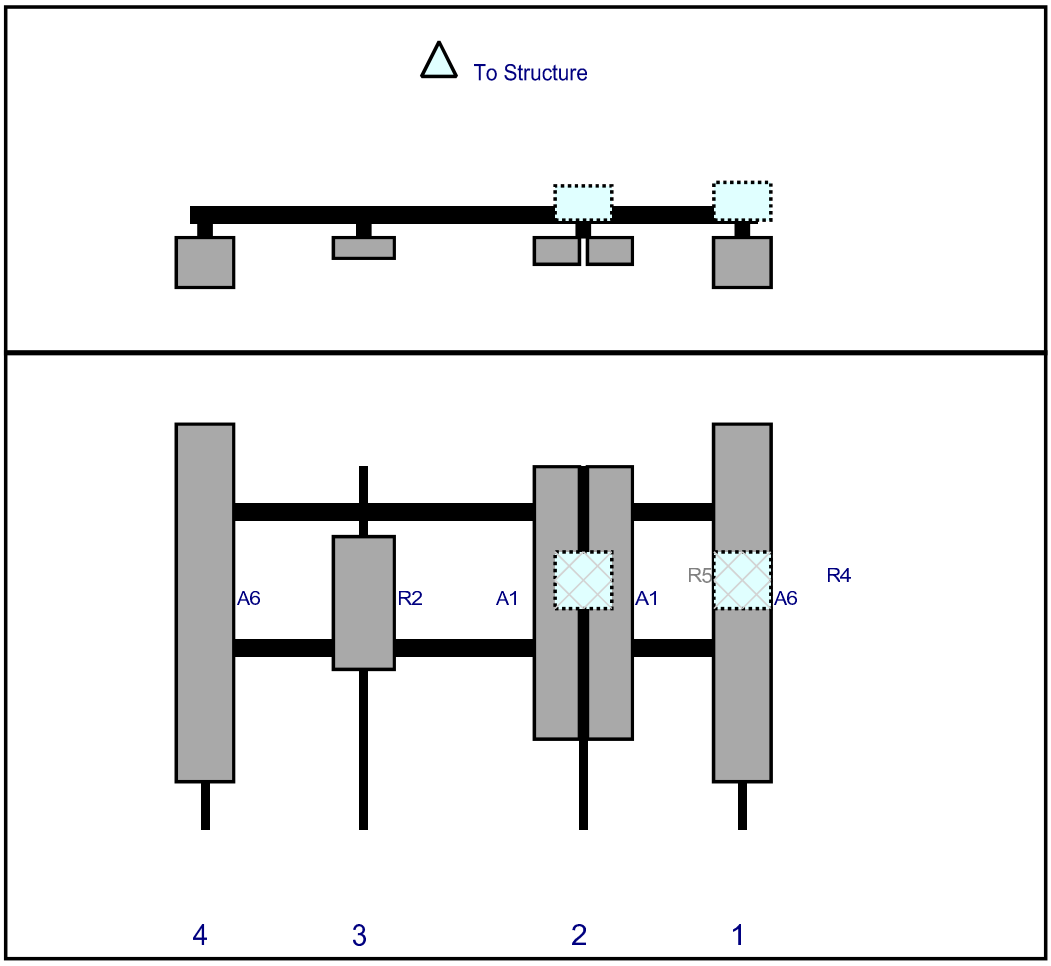
Front View
Looking at Structure



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
A6	LPA-80063/8CF	94.5	15.2	146	1	a	Front	36	0	Retained	02/10/2021
R4	RF4439d-25A	15	15	146	1	a	Behind	30	0	Added	
A1	NHH-65B-R2B	72	11.9	104	2	a	Front	36	7	Added	
A1	NHH-65B-R2B	72	11.9	104	2	b	Front	36	-7	Added	
R5	RF4440d-13A	15	15	104	2	a	Behind	30	0	Added	
R2	MT6407-77A	35.1	16.1	46	3	a	Front	36	0	Added	
A6	LPA-80063/8CF	94.5	15.2	4	4	a	Front	36	0	Retained	02/10/2021

Plan View

Front View
Looking at Structure



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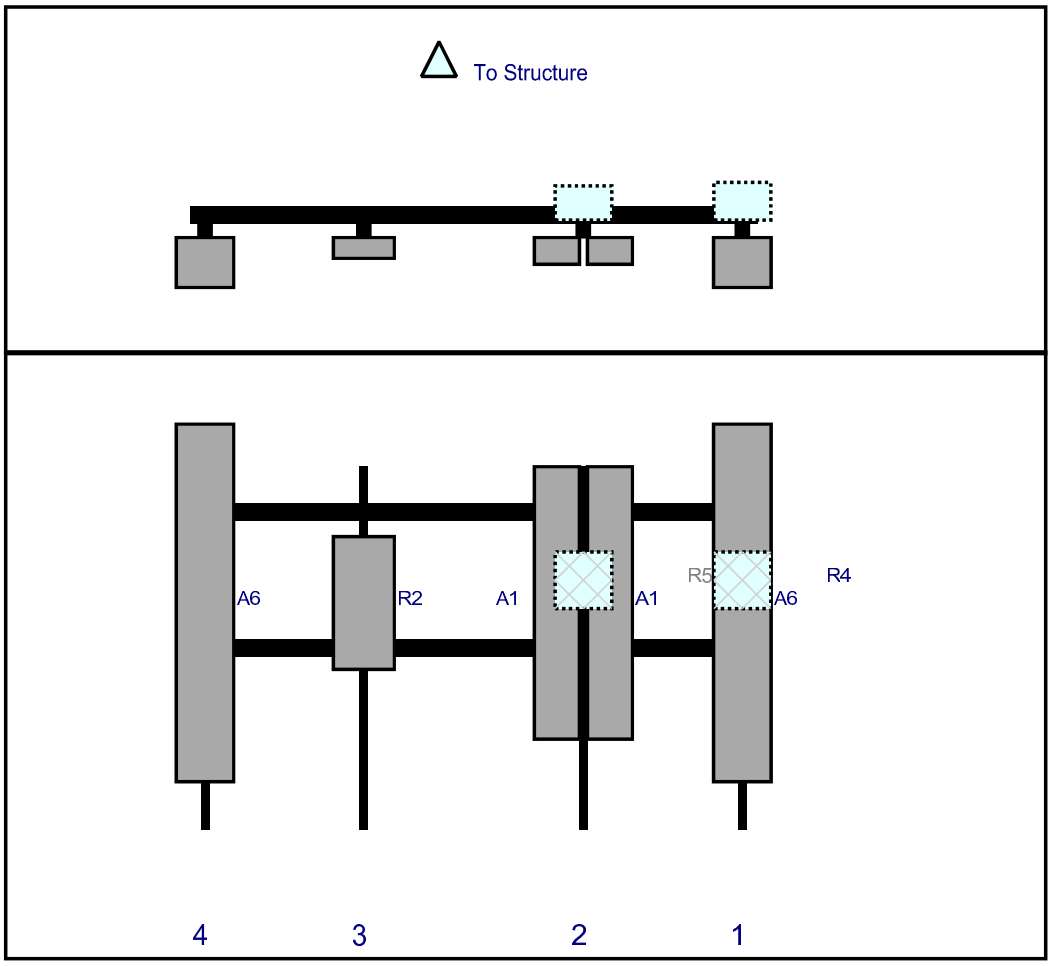
R4	RF4439d-25A	15	15	146	1	a	Behind	30	0	Added	
A1	NHH-65B-R2B	72	11.9	104	2	a	Front	36	7	Added	
A1	NHH-65B-R2B	72	11.9	104	2	b	Front	36	-7	Added	
R5	RF4440d-13A	15	15	104	2	a	Behind	30	0	Added	
R2	MT6407-77A	35.1	16.1	46	3	a	Front	36	0	Added	
A6	LPA-80063/8CF	94.5	15.2	4	4	a	Front	36	0	Retained	02/10/2021

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	46	3	a	Front	36	0	Added	
A6	LPA-80063/8CF	94.5	15.2	146	1	a	Front	36	0	Retained	02/10/2021
R4	RF4439d-25A	15	15	146	1	a	Behind	30	0	Added	
A1	NHH-65B-R2B	72	11.9	104	2	a	Front	36	7	Added	
A1	NHH-65B-R2B	72	11.9	104	2	b	Front	36	-7	Added	
R5	RF4440d-13A	15	15	104	2	a	Behind	30	0	Added	
A6	LPA-80063/8CF	94.5	15.2	4	4	a	Front	36	0	Retained	02/10/2021

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	Site ID:	468039-VZW / Franklin N CT
	Site Name:	Franklin N CT
	Carrier Name:	Verizon Wireless
	Address:	36 Ayer Rd Franklin, Connecticut 06254 New London County
	Latitude:	41.645803°
	Longitude:	-72.128294°
Structure Information	Tower Type:	179.5-Ft Monopole
	Mount Type:	12.50-Platform

To Whom It May Concern,

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

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

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

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

Sincerely,

Dejian Xu

Dejian Xu, PE
Technical Manager

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 12.50' PLATFORM

TOWER OWNER: SBA TOWERS
TOWER OWNER SITE NUMBER: CT02219-S

CARRIER SITE NAME: FRANKLIN N CT
CARRIER SITE NUMBER: 468039
FUZE ID: 16272167

36 AYER RD
FRANKLIN, CONNECTICUT 06254
NEW LONDON COUNTY

LATITUDE: 41.645803° N
LONGITUDE: 72.128294° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 122 MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 517.47'

ICE LOADS

ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
ICE THICKNESS = 1.00 IN

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_S = .192
LONG TERM MCER GROUND MOTION, S_1 = .054

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

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

PROJECT MANAGER

COMPANY: MASER CONSULTING CONNECTICUT
CONTACT: GREG DULNIK
PHONE: (615) 686-2575
E-MAIL: GREG.DULNIK@COLLIERSENGINEERING.COM

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10093892
VZW LOCATION CODE (PSLC): 468039
ANALYSIS DATE: 8/13/2021

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

MASER CONSULTING CONNECTICUT
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verizon

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SCALE:	JOB NUMBER:
AS SHOWN	20777641A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	8/13/2021	ISSUED FOR CONSTRUCTION	AJH	DX

STATE OF CONNECTICUT
DEJIAN XU
No. 33733
LICENSED PROFESSIONAL ENGINEER
08/13/2021

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

SITE NAME:
FRANKLIN N CT
468039
36 AYER RD
FRANKLIN, CONNECTICUT
06254
NEW LONDON COUNTY

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

SHEET TITLE: TITLE SHEET

SHEET NUMBER: ST-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

SECTION 1 - VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
1	VZWSMART	VZWSMART-PLK1	SUPPORT RAIL KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. 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.	504	504

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
3	-	-	96" LONG, P2 1/2 STD PIPE	GALVANIZED.	46	138
9	SITE PRO 1	SP219	CROSSOVER PLATES	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION.	12	108
3	SITE PRO 1	SP219-H	CROSSOVER PLATES	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION.	13	39
1	-	-	36" LONG, P2 STD PIPE	GALVANIZED.	11	11
1	SITE PRO 1	SQCX4-K	CROSSOVER PLATE KIT W/ SQUARE U-BOLTS AND STD. U-BOLTS	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION	11	11
				TOTAL:		811

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

NOTES:

1. THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. EACH MANUFACTURER WILL BE AWARE OF WHICH KITS HAVE BEEN THROUGH THE VZW APPROVAL PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BE REVIEWED AS A PART OF THE DESKTOP PMI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.
2. ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR.

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AS SHOWN	20777641A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	8/13/2021	ISSUED FOR CONSTRUCTION	AJH	DX

STATE OF CONNECTICUT
DEJIAN XU
No. 33733
LICENSED PROFESSIONAL ENGINEER
08/13/2021

SITE NAME:

FRANKLIN N CT
468039

36 AYER RD
FRANKLIN, CONNECTICUT
06254
NEW LONDON COUNTY

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

SHEET TITLE:
BILL OF MATERIALS

SHEET NUMBER:
SBOM-1

PROJECT NOTES

1. SEE MODIFICATION NOTES

2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.

4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.

6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.

8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.

10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.

11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

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.

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

      GREG.DULNIK@COLLIERSENGINEERING.COM

   b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC COTE).
9. 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.
10. 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.
11. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
12. 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.
13. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
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.

WELDING NOTES

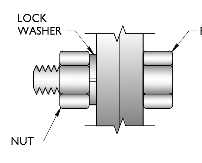
1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTIFIED WELD INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE PROJECT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
3. THE CERTIFIED WELD INSPECTOR SHALL INDICATE, IN A WRITTEN CWI REPORT, THAT ALL WELDING OPERATIONS PRE, DURING, AND POST INSTALLATION WERE CONDUCTED IN ACCORDANCE WITH AWS D1.1 WITH PHOTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTION DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PMI.
4. IN CASES WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.
5. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
6. CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE.

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

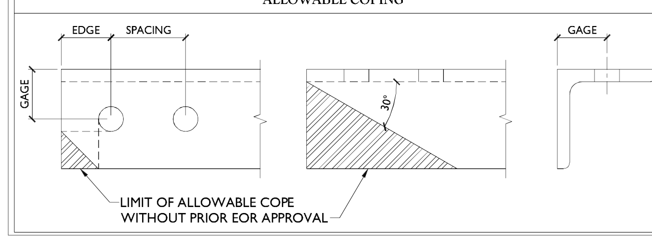


TYP. BOLT ASSEMBLY

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.

ALLOWABLE COPING



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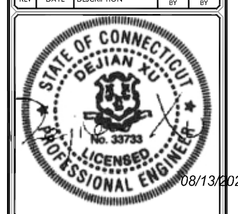

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

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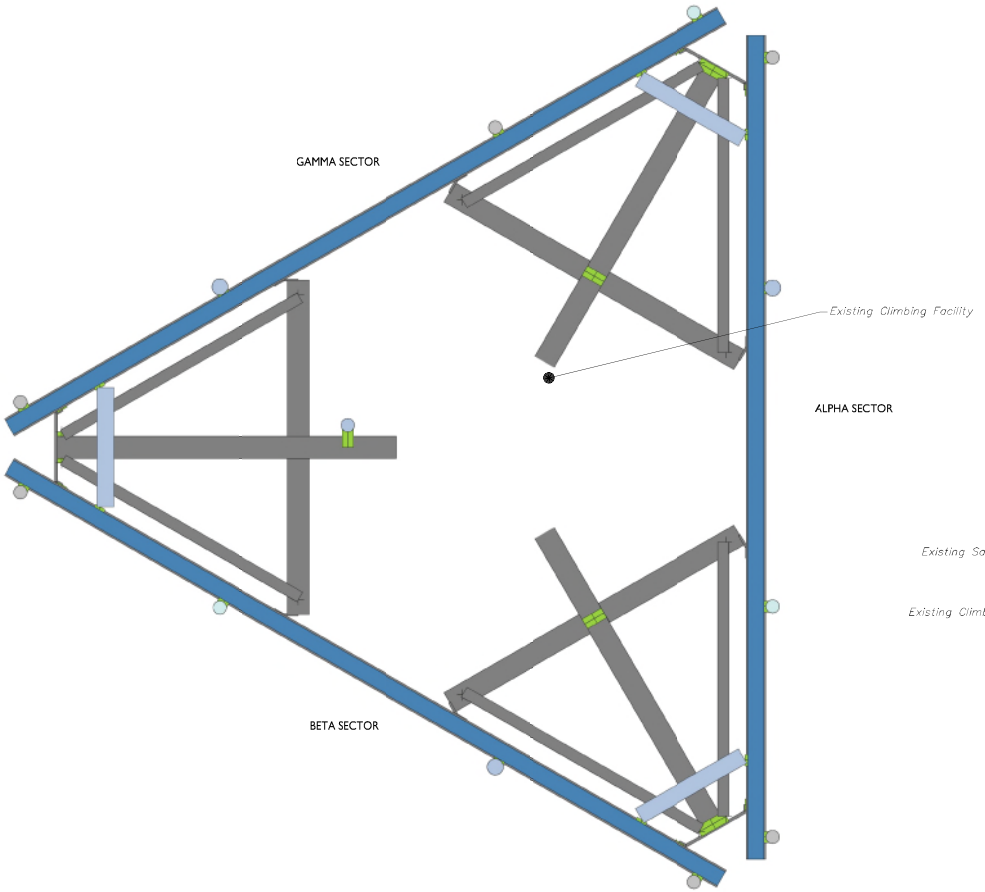
468039
36 AYER RD
FRANKLIN, CONNECTICUT
06254
NEW LONDON COUNTY

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: SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 CLIMBING FACILITY LOCATION

SCALE : N.T.S.

CLIMBING FACILITY PHOTO

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY HUDSON DESIGN GROUP LLC ON 2/10/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (177'-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.

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SHEET TITLE:
CLIMBING FACILITY DETAIL

SHEET NUMBER:
SCF-1

LEGEND:

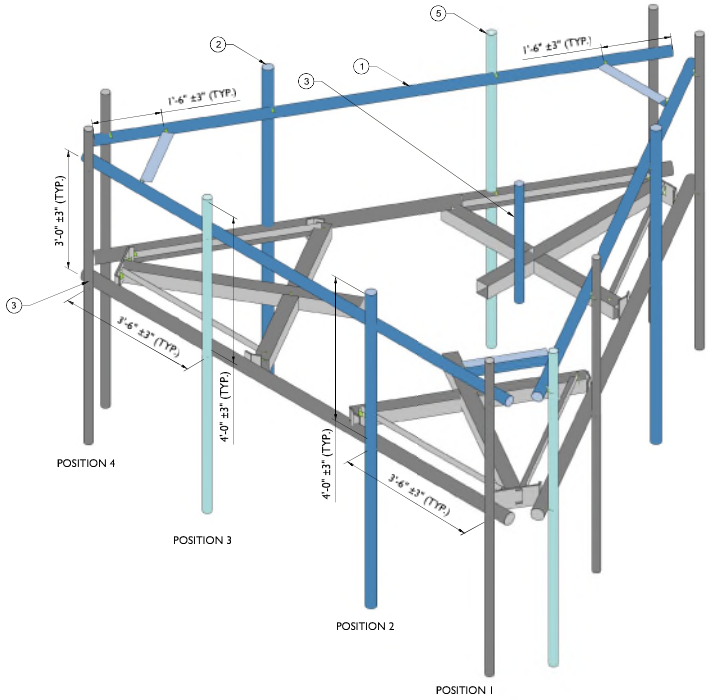
- PROPOSED
- RELOCATED
- EXISTING

MOUNT MODIFICATION SCHEDULE

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	177'-0"	1	PROPOSED SUPPORT RAIL KIT (PART #: VZWSMART-PLK1)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. 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.
2		3	96" LONG, P2 1/2 STD PIPE	GALVANIZED. CONNECT NEW MOUNT PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (PART #: SITE PRO 1 - SP219-H, OR EOR APPROVED EQUIVALENT). REPLACE EXISTING MOUNT PIPE IN POSITION 2.
3		9	CROSSOVER PLATES (P/N:SITE PRO 1 - SP1219)	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION. CONTRACTOR SHALL REPLACE ALL RETAINED MOUNT PIPES CONNECTIONS TO THE EXISTING FACE HORIZONTALS WITH NEW CROSSOVER PLATES ON ALL SECTORS.
4		1	36" LONG, P2 STD PIPE	GALVANIZED. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: SITE PRO 1 - SQCX4-K, OR EOR APPROVED EQUAL).
5		3	RELOCATE MOUNT PIPE	CONTRACTOR SHALL RELOCATE MOUNT PIPES IN POSITION 3 ON ALL SECTORS.
6				
7				
8				
9				
10				

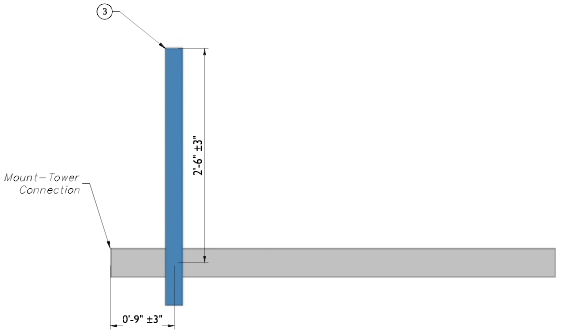
NOTES:

MOUNT MEMBERS NOT SHOW FOR CLARITY U.N.O.



1 PROPOSED ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION VIEW (GAMMA SECTOR ONLY)

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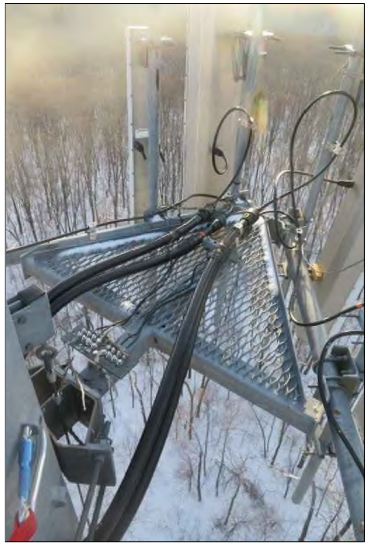
MOUNT PHOTO 1

MOUNT PHOTO 2



MOUNT PHOTO 3

MOUNT PHOTO 4

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No. 33733
LICENSED PROFESSIONAL ENGINEER
08/13/2021

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

SITE NAME:

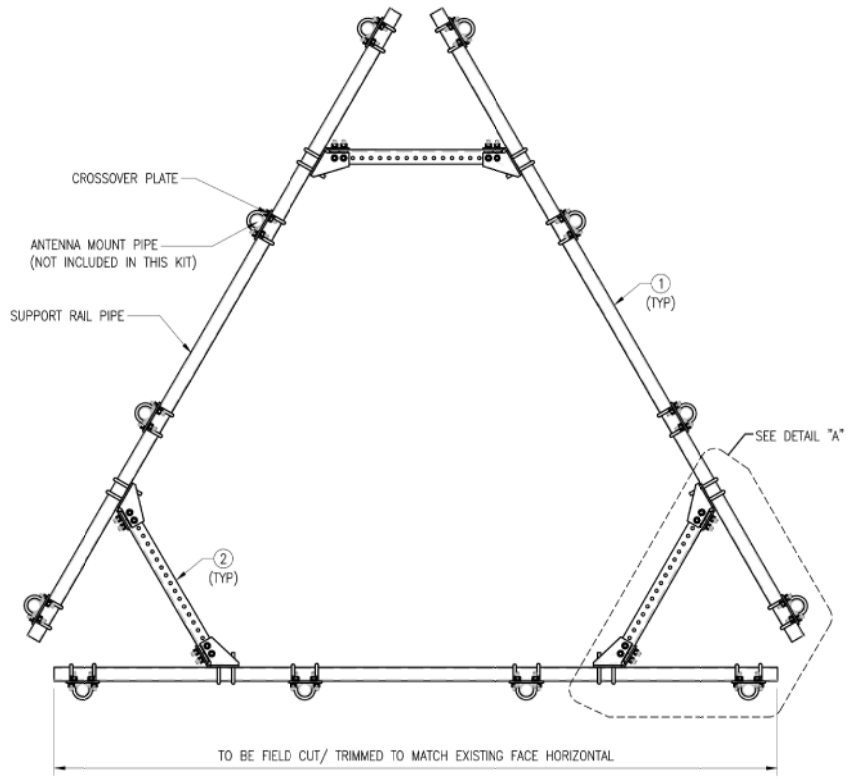
FRANKLIN N CT
468039

36 AYER RD
FRANKLIN, CONNECTICUT
06254
NEW LONDON COUNTY

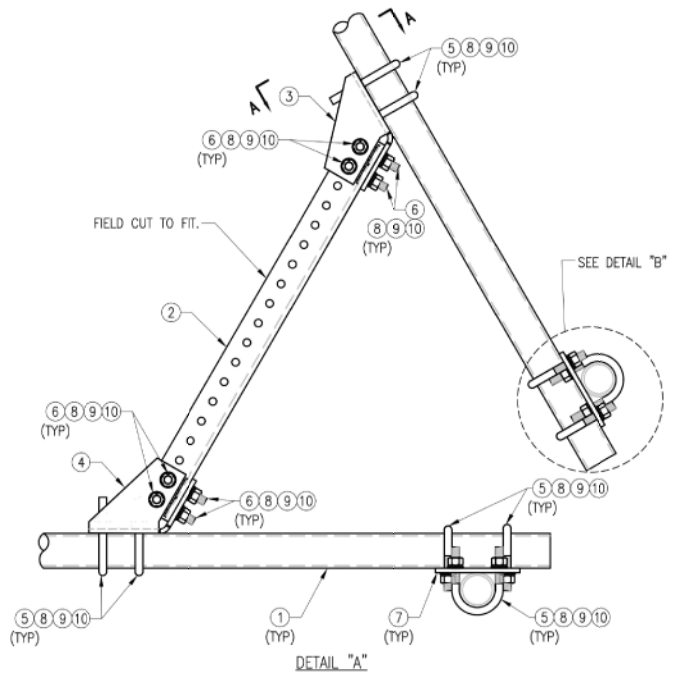
MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE:
MOUNT PHOTOS

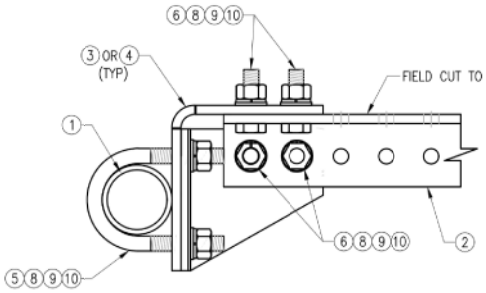
SHEET NUMBER:
SS-2



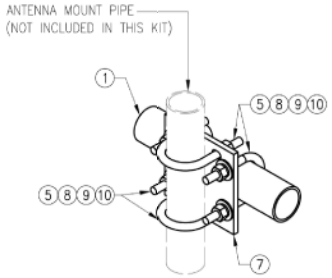
PLAN VIEW



DETAIL "A"



SECTION "A–A"



DETAIL "B"

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

VZW SMART-PLK1 (SUPPORT RAIL KIT)

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

VzW SMART Tool© Vendor

verizon

DRAWN BY: H.R | CHECKED BY: HMA

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

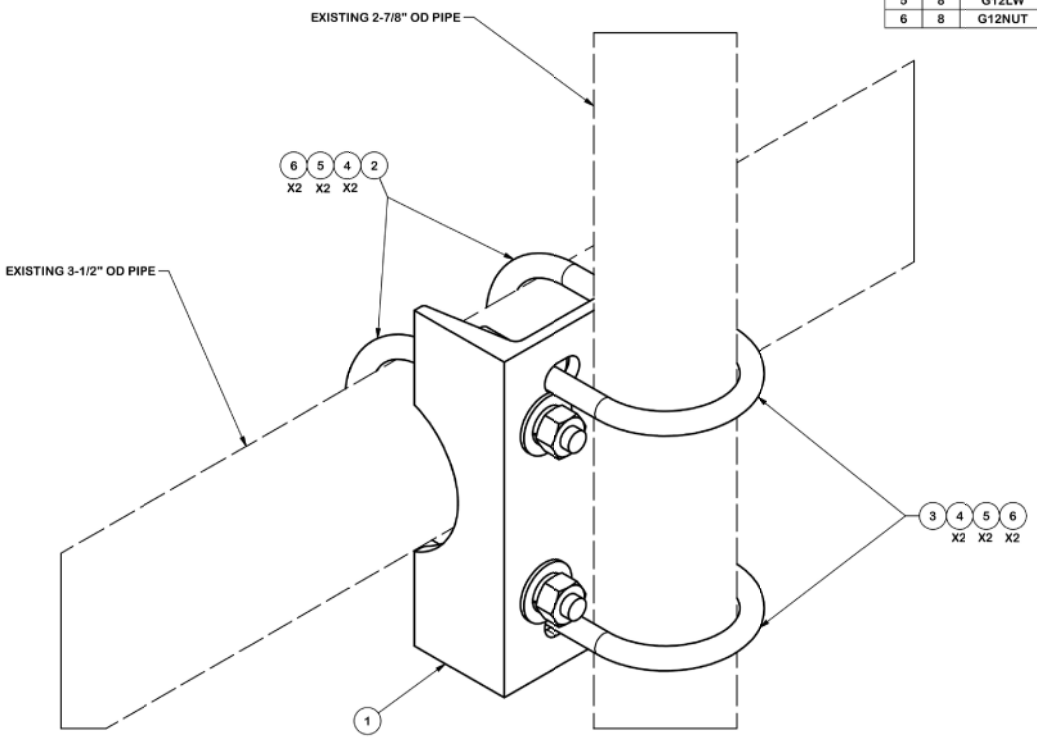
SHEET TITLE:

VZWSMART-PLK1
SUPPORT RAIL KIT

SHEET NUMBER: VZWSMART-PLK1

REV #: 0

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	X-SP219	SMALL SUPPORT CROSS PLATE	8 1/4 in	8.61	8.61
2	2	X-UB1306	1/2" X 3-5/8" X 6" X 3" U-BOLT (HDG.)		0.66	1.31
3	2	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.66	1.31
4	8	G12FW	1/2" HDG USS FLATWASHER		0.03	0.27
5	8	G12LW	1/2" HDG LOCKWASHER		0.01	0.11
6	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT. #	12.61



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")*

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
A	REDRAWN IN INV, UPDATED VIEWS & TABLE		KC8	8-21-2012

REVISION HISTORY

DESCRIPTION
2-7/8" TO 3-1/2"
PIPE MOUNT ASSEMBLY

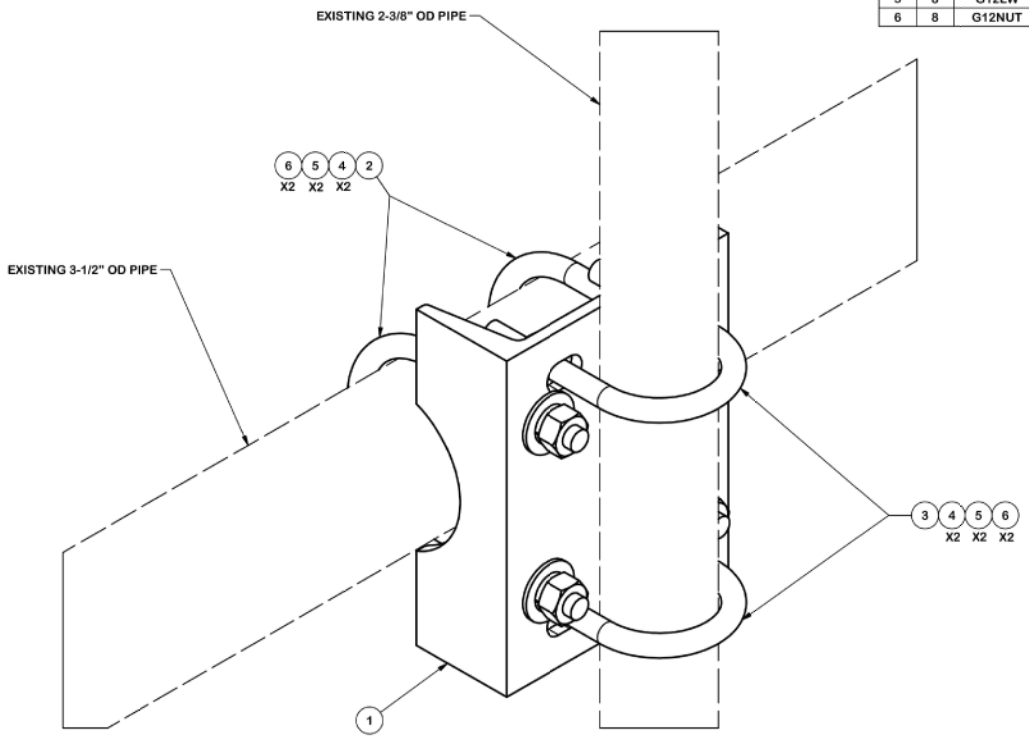
SITE PRO 1 — A valmont COMPANY

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.
4518	BMC 6/3/2009		SP219-H
CLASS / SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
81 / 01	CUSTOMER	CEK 2/18/2013	SP219-H

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	X-SP219	SMALL SUPPORT CROSS PLATE	8 1/4 in	8.61	8.61
2	2	X-UB1306	1/2" X 3-5/8" X 6" X 3" U-BOLT (HDG.)		0.83	1.66
3	2	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.63	1.25
4	8	G12FW	1/2" HDG USS FLATWASHER		0.03	0.27
5	8	G12LW	1/2" HDG LOCKWASHER		0.01	0.11
6	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT. #	12.47



TOLERANCE NOTES

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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: PIPE MOUNT KIT

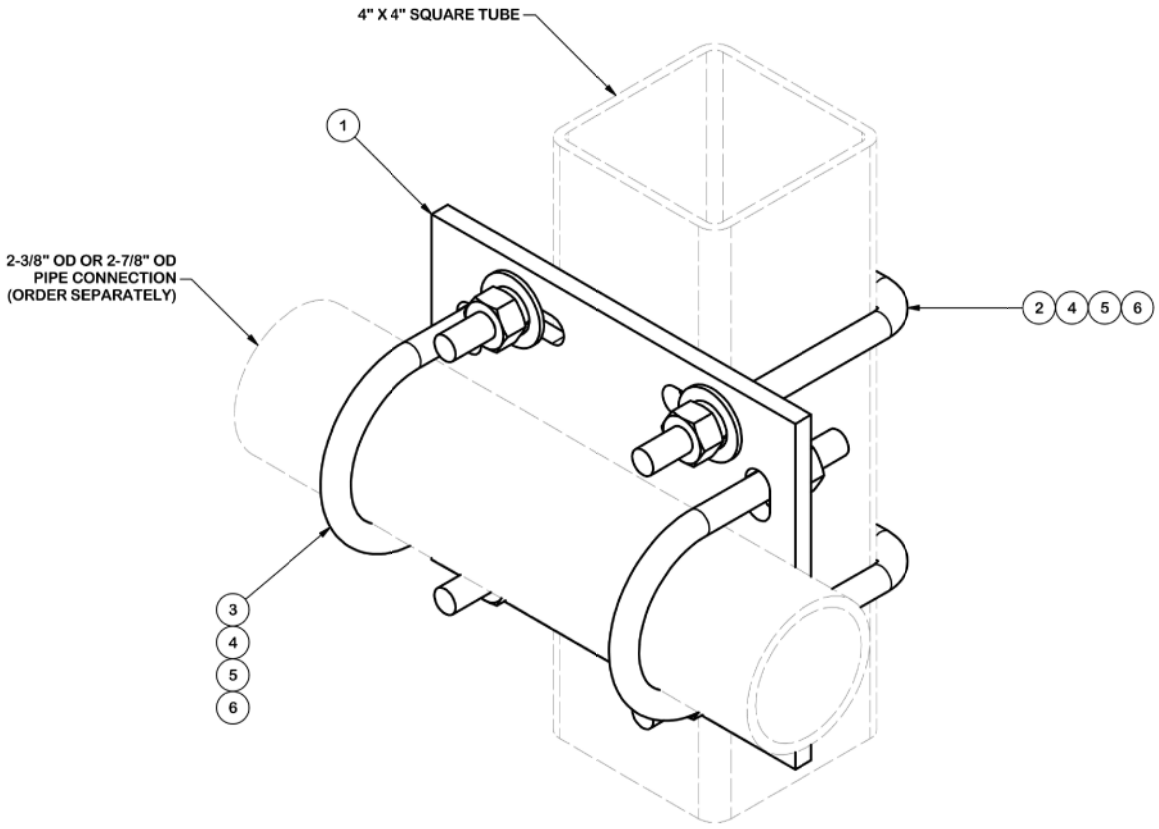
SITE PRO 1 — A valmont COMPANY

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.
4518	KC8 6/26/2012		SP219
CLASS / SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
81 / 01	CUSTOMER	CEK 1/23/2013	SP219

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



TOLERANCE NOTES

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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

CPD NO.

DRAWN BY: CSL 9/18/2018

ENG. APPROVAL: 3RD PARTY

CLASS: 87 SUB: 02

DRAWING USAGE: CUSTOMER

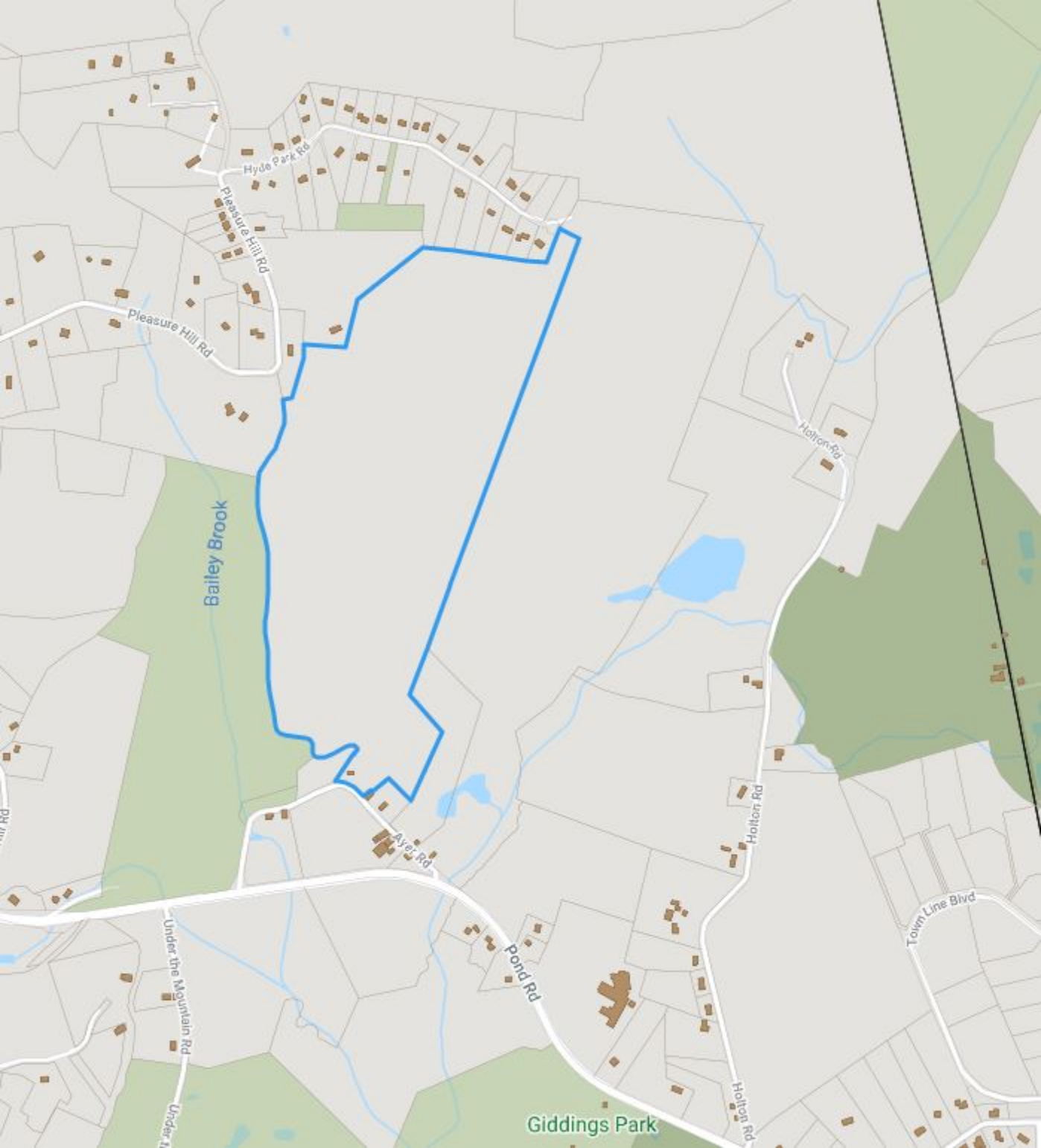
CHECKED BY: BMC 11/12/2018

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

PART NO.: SQCX4-K

DWG. NO.: SQCX4-K

ATTACHMENT 5


Hyde Park Rd
Pleasure Hill Rd
Pleasure Hill Rd
Bailey Brook
Holton Rd
Ayer Rd
Pond Rd
Under the Mountain Rd
Holton Rd
Holton Rd
Town Line Blvd
Giddings Park

Property Summary Information

Parcel Data And Values | Building ▾ | Outbuildings | Sales | Permits

Parcel Information

Location:	36 AYER RD	Property Use:	Residential	Primary Use:	MobileHomes
Unique ID:	A1011000	Map Block Lot:	11 7	Acres:	129.25
490 Acres:	126.50	Zone:	R120	Volume / Page:	105/ 730
Developers Map / Lot:		Census:			

Value Information

	Appraised Value	Assessed Value
Land	227,440	74,200
Buildings	17,458	12,220
Detached Outbuildings	201,944	141,360
Total	446,842	227,780

Owner's Information

Owner's Data
AYER DAVID L 131 PLAIN HILL RD FRANKLIN CT 06254

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

FRANKLIN NORTH

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	neopost 11/29/2021 US POSTAGE $002.99 ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Charles Grant, First Selectman Town of Franklin 7 Meetinghouse Hill Road Franklin, CT 06254				
2.	Ronald Chalecki, Zoning Enforcement Officer Town of Franklin 7 Meetinghouse Hill Road Franklin, CT 06254				
3.	David Ayer 131 Plain Hill Road Franklin, CT 06254		OLD STATE HOUSE STATION 06103 NOV 29 2021 USPS		
4.					
5.					
6.					