Robinson+Cole

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Also admitted in Massachusetts and New York

December 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**
299 Sheffield Street, Waterbury, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and associated equipment on the ground near the base of the tower. The tower, owned by SBA, Inc., was approved by the City of Waterbury in September of 2000. Cellco's shared use of the tower was approved by the Siting Council ("Council") in November of 2001 (TS-VER-151-011024). A copy of the City's building permit approval and Council's TS-VER-151-011024 approval are included in Attachment 1.

Cellco now intends to modify its facility by replacing nine (9) existing antennas with three (3) new Samsung MT6407-77A antennas and six (6) MX06FRO660-03 antennas on Cellco's existing antenna platform. Cellco also intends to replace six (6) remote radio heads ("RRHs') with six (6) new RRHs behind its antennas. A set of project plans showing Cellco's proposed facility modifications and the 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 Waterbury'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 its existing antenna platform.

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

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

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

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

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

A copy of the parcel map and Property owner information is included in Attachment 5. A Certificate of Mailing verifying that this filing was sent to municipal officials 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:
Neil M. O'Leary, Waterbury Mayor
Robert Nerney, City Planner
Level Development Corporation, Property Owner
Karla Hanna, Verizon Wireless

ATTACHMENT 1

BLDGPER1

THE CITY OF WATERBURY

DEPARTMENT OF INSPECTIONS

(203) 574-6832

PERMIT No. 0504D

Building Permit

Date: Sept. 1, 20 00

Applicant:

Name: SBA Inc.
Attn: Thomas L. Flynn III
Address: 49 Leavenworth St., Ste. 200
City: Waterbury State: CT Zip: 06702

Location of Work:

Address: 299 Sheffield Street

Location Owner:

Owner's Name: Jon-Mar LLC
Address: 822 Waterville Street
City: Waterbury State: CT

Leave is hereby granted to M. Thomas F. Flynn III

to erect a wireless telecommunications facility

as follows: Length ____ ft; Width ____ ft; No. of Stories ____; No. of Rooms ____

Building to be used as commercial

Construction Classification ____ Use Group ____

Designed Live Load: 1st ____ 2nd ____ 3rd ____ Roof ____

Remarks: ____

The conditions on which this permit is granted are, that the said building shall be erected in accordance with the laws of the State of Connecticut, and the ordinances of the City of Waterbury. And if any of the statements of said applicant be not true, or if any change is made in said plans or specifications without the consent of the building inspector or his duly appointed agents, this permit shall be revocable.

Limited to six months from date. This permit may be sooner revoked for any violation of any ordinance, statute or order of constituted authority. This pemit is subject to the condition that should there be any change in the ordinance or statutes or institution of proceedings to establish any building line or other improvements, before said building is completed, then no further work shall be done on said building thereafter conflicting with such new statute, order, ordinance, or institution of proceedings.

Lil Gravelin
Building Official

COST: $ 175,000.

FEE: $ 1,407.-5. State Ed. Fee $ 28.00

SEAL OF THE CITY OF WATERBURY CONN.

November 8, 2001

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

RE: **TS-VER-151-011024** - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at a telecommunications facility located at 299 Sheffield Avenue, Waterbury, Connecticut.

Dear Attorney Baldwin:

At a public meeting held November 7, 2001, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated October 23, 2001.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/laf

c: Honorable Sam S.F. Caligiuri, Acting Mayor, City of Waterbury
Vincent Viggiano, Zoning Enforcement Officer, City of Waterbury
Esther McNany, SBA, Inc.
Christopher B. Fisher, Esq., Cuddy & Feder & Worby LLP
Michele G. Briggs, SNET Mobility LLC

ATTACHMENT 2

verizon

WATERBURY 3 CT
299 SHEFFIELD STREET
WATERBURY, CT 06704

GENERAL NOTES AND SPECIFICATIONS

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.
21. ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE GOVERNING BUILDING CODE.
22. 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.
23. 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.
24. 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.

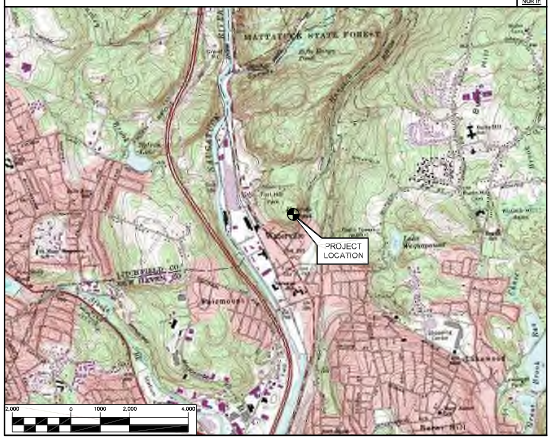
SITE DIRECTIONS

FROM: 20 ALEXANDER DRIVE, WALLINGFORD, CONNECTICUT **TO:** 299 SHEFFIELD ST, WATERBURY, CT 06704

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.	4.35 MI
4.	TURN LEFT ONTO S MERIDEN RD/CT-70/CT-68. CONTINUE TO FOLLOW CT-70/CT-68.	1.24 MI
5.	TURN RIGHT ONTO S MAIN ST/CT-10/CT-70/CT-68.	0.15 MI
6.	TURN LEFT ONTO MAIN ST/CT-70/CT-68.	0.29 MI
7.	TURN LEFT ONTO W MAIN ST/CT-70/CT-68. CONTINUE TO FOLLOW CT-70.	4.06 MI
8.	MERGE ONTO I-84 W VIA THE RAMP ON THE LEFT.	5.77 MI
9.	MERGE ONTO CT-8 N VIA EXIT 20 TOWARD TORRINGTON.	2.29 MI
10.	TAKE THE HUNTINGDON AVE EXIT, EXIT 36, TOWARD COLONIAL AVE.	0.21 MI
11.	TURN RIGHT ONTO HUNTINGDON AVE.	0.26 MI
12.	TURN LEFT ONTO THOMASTON AVE.	0.35 MI
13.	TURN RIGHT ONTO SHEFFIELD ST.	0.57 MI
14.	299 SHEFFIELD ST, WATERBURY, CT 06704-1010, 299 SHEFFIELD ST IS ON THE LEFT AT END OF ROAD. FOLLOW DRIVE WITHIN QUARRY TO REACH TOWER AT THE TOP OF THE MOUNTAIN.	

VICINITY MAP

SCALE: 1" =2000'



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): 97 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.

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:

- INSTALL (6) JMA - MX06FRO660-03 ANTENNAS.
- INSTALL (3) SAMSUNG - MT6407-77A ANTENNAS.
- INSTALL (3) JMA - 91900314-02 MOUNTS.
- INSTALL (2) 6x12 HYBRIFLEX LI CABLES.
- INSTALL (1) RAYCAP - OVP-12 BOX.
- INSTALL (3) SAMSUNG - MT6407-77A RADIOS.
- INSTALL (3) SAMSUNG - RF4439d-25A RADIOS.
- INSTALL (3) SAMSUNG - RF4440d-13A RADIOS.
- RETAIN (6) DB PRODUCTS - ANTENNAS.
- RETAIN (6) 1-5/8" COAXIAL CABLES.
- RETAIN (5) 1-5/8" SPARE COAXIAL CABLES.
- REMOVE (3) AMPHENOL - BXA-70063-6CF ANTENNAS.
- REMOVE (3) ANDREW - HBXX-6517DS-A2M ANTENNAS.
- REMOVE (3) MGD3-800-T0 ANTENNAS.
- REMOVE (1) 1-5/8" COAXIAL CABLE.
- REMOVE (1) 6x12 HYBRIFLEX CABLE.
- REMOVE (1) RAYCAP - OVP-6 BOX.
- REMOVE (6) NOKIA RADIOS.

PROJECT INFORMATION

SITE NAME:	WATERBURY 3 CT
SITE ADDRESS:	299 SHEFFIELD ST WATERBURY, CT 06704
LESSEE/TENANT:	CELLCO PARTNERSHIP d.b.a. VERIZON WIRELESS 20 ALEXANDER DRIVE WALLINGFORD, CT 06492
CONTACT PERSON:	WALTER CHARCZINSKI (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°-35'-37.7412"N LONGITUDE: 73°-3'-3.3012"W (COORDINATES REFERENCED FROM VERIZON WIRELESS RFDS DATED 10/01/2021)

SHEET INDEX

SHT. NO.	DESCRIPTION	REV.
T-1	TITLE SHEET	0
B-1	RF BILL OF MATERIALS	0
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
A	10/28/21	JLD	DMD	CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION
B	12/22/21	ANC	DMD	CONSTRUCTION DRAWINGS - ISSUED FOR CLIENT REVIEW

PROFESSIONAL ENGINEER SEAL

verizon

CENTEK Engineering
Centered on Solutions
(203) 488-0580
(203) 488-8587 Fax
63-2 North Branford Road
Branford, CT 06405
www.CentekEng.com

Cellco Partnership d/b/a Verizon Wireless

WATERBURY 3 CT

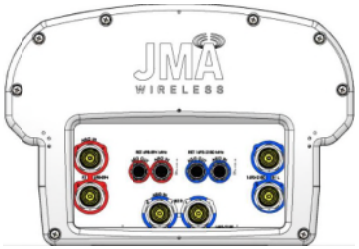
299 SHEFFIELD STREET
WATERBURY, CT 06704

DATE: 10/28/21
SCALE: AS NOTED
JOB NO. 21007.25

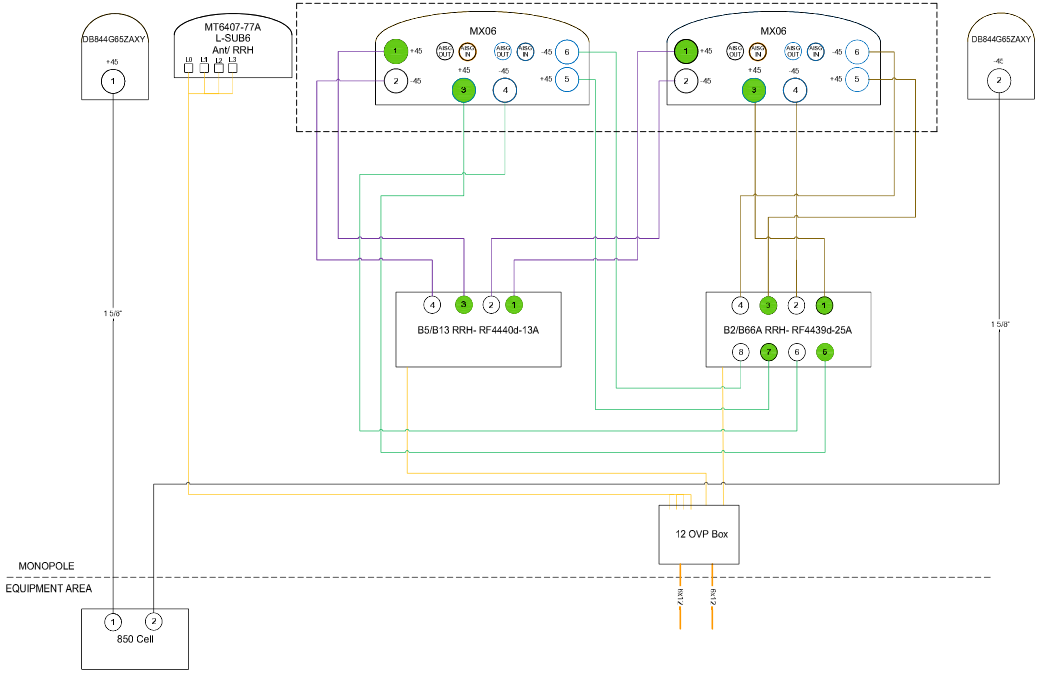
TITLE SHEET

T-1

Sheet No. 1 of 6



91900314-02



PLUMBING DIAGRAM NOTES:

1. PORTS 1 & 2 ARE FOR LOW BAND (698–896 MHz).
2. PORTS 3, 4, 5 & 6 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)

HYBRIFLEX CABLE

NOTES:

1. INFORMATION SHOWN HEREIN IS FOR USE BY VERIZON WIRELESS EQUIPMENT OPERATIONS.
2. THIS B.OM. DRAWING IS BASED OFF FACILITY UPGRADE DESIGN DRAWINGS PREPARED BY CENTEK ENGINEERING (REV.0 DATED: 12.22.21), & VERIZON WIRELESS RF ANTENNA EQUIPMENT RECOMMENDATION (DATED 10.01.21).

BILL OF MATERIALS

TECHNOLOGY	QUANTITY	ANTENNA
LTE 700 LTE 850 LTE PCS 1900 LTE AWS 2100	6	JMA ANTENNA MODEL: MX06FRO660-03
5G	3	SAMSUNG ANTENNA MODEL: MT6407-77A

CABLES	QUANTITY	LENGTH	COMMENTS
HYBRID CABLES	2	±201'	6x12 HYBRIFLEX LI

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

DIPLEXERS	QUANTITY	COMMENTS
–	0	–

OVP BOXES	QUANTITY	COMMENTS
OVP	1	OVP-12

ANTENNA MOUNT	QUANTITY	COMMENTS
SIDE-BY-SIDE MOUNTING KIT	3	JMA WIRELESS – 91900314-02

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
C	12/22/21	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION
B	11/19/21	JLD	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CLIENT REVIEW
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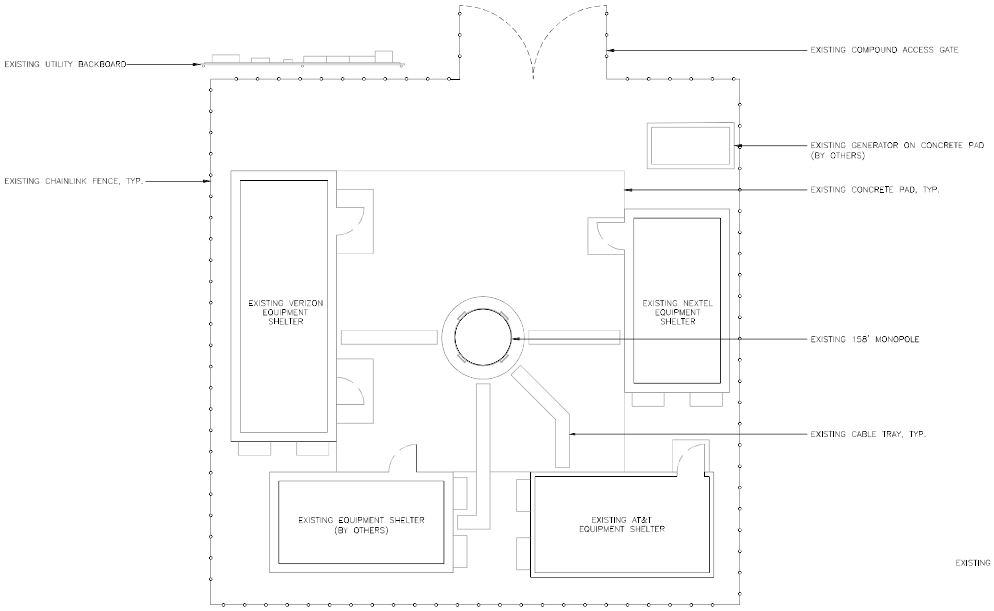
SCALE: AS NOTED
JOB NO. 21007.25

RF BILL OF MATERIALS

B-1

Sheet No. 2 of 6

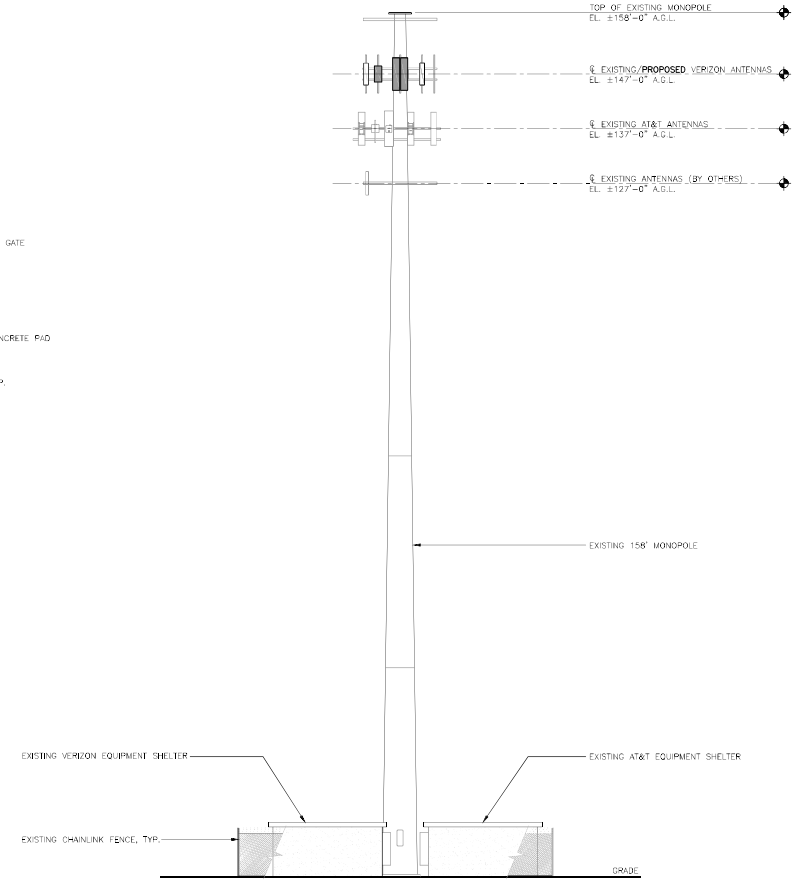


2 / C-1

1 / C-1 **COMPOUND PLAN**
SCALE: 1" = 10'-0"

APPROX. NORTH

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.



2 / C-1 **SOUTH ELEVATION - PROPOSED**
SCALE: 1" = 10'-0"

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
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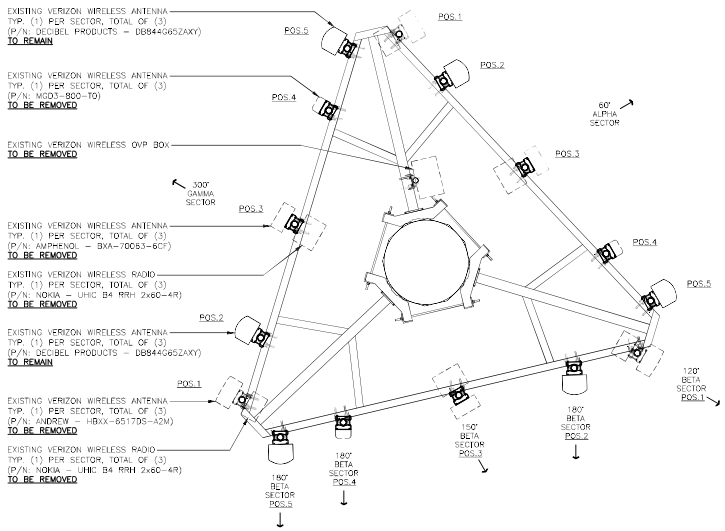
COMPOUND PLAN AND ELEVATION

C-1

Sheet No. 3 of 6

EXISTING ANTENNA CONFIGURATIONS



1 C-2 **EXISTING SECTOR CONFIGURATION PLAN**
SCALE: 1/2" = 1'-0"

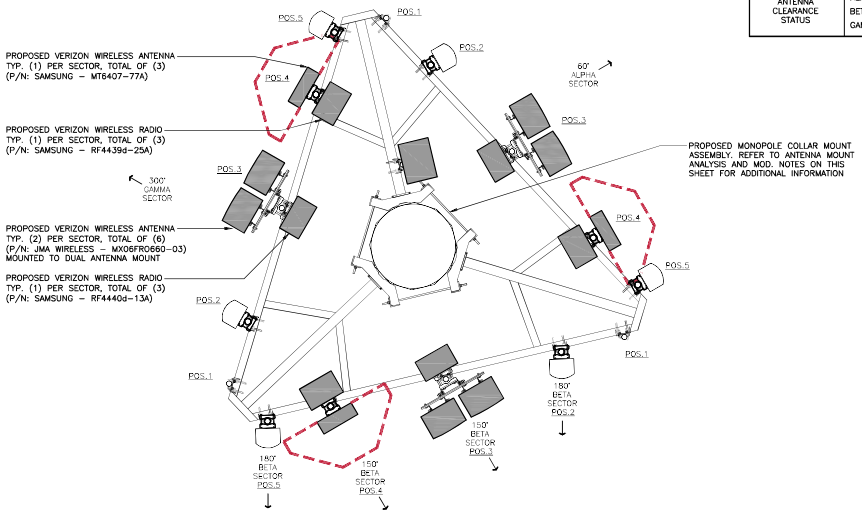
APPROXIMATE NORTH

PROPOSED ANTENNA CONFIGURATIONS

LEGEND	
- - -	VERIZON WIRELESS MT6407-77A REQUIRED ANTENNA CLEARANCE LIMITS (PER DETAILS ON SHEET C-3)
ANTENNA CLEARANCE STATUS	ALPHA SECTOR: COMPLIANT BETA SECTOR: COMPLIANT GAMMA SECTOR: COMPLIANT

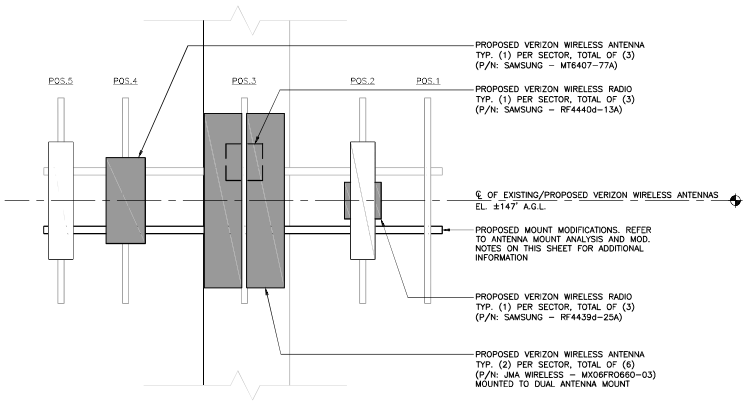
ANTENNA MOUNT ANALYSIS AND MOD NOTES:

1. REFER TO PASSING VERIZON WIRELESS MOUNT ANALYSIS REPORT PREPARED BY MASER CONSULTING CONNECTICUT DATED 10/22/2020 FOR ADDITIONAL INFORMATION.
2. REFER TO FINAL VERIZON WIRELESS MOUNT MODIFICATION DESIGN PREPARED BY MASER CONSULTING CONNECTICUT DATED 10/22/2020 FOR ANTENNA MOUNT MODIFICATIONS.



1A C-2 **PROPOSED SECTOR CONFIGURATION PLAN**
SCALE: 1/2" = 1'-0"

APPROXIMATE NORTH



TYPICAL SECTOR

2 C-2 **PROPOSED SECTOR CONFIGURATION ELEVATION**
SCALE: 1/4" = 1'-0"

REV	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
A	10/28/21	JLD	DMD	CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION
-	07/21/21	ANC	DMD	CONSTRUCTION DRAWINGS - ISSUED FOR CLIENT REVIEW

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WATERBURY 3 CT

299 SHEFFIELD STREET
WATERBURY, CT 06704

DATE: 10/28/21
SCALE: AS NOTED
JOB NO. 21007.25

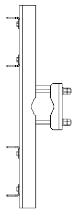
ANTENNA SECTOR CONFIGURATION DETAILS

C-2

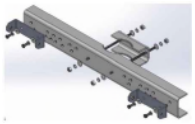
ANTENNA FRONT

SECTOR ANTENNA		
EQUIPMENT	DIMENSIONS	WEIGHT
MAKE: TBD MODEL: VZS01	35"h x 20"W x 6"D (NOT TO EXCEED)	97 LBS. (NOT TO EXCEED)
CLEARANCES AND SERVICE AREA		
TOP: 31.5" FRONT, SIDES & BOTTOM: 15.7"	HORIZONTAL DISTANCE: 31.5" (ANT. TO ANT.) VERTICAL DISTANCE: 63.0" (ANT. TO ANT.)	
NOTES: 1. THIS ANTENNA HAS ITS OWN BUILT-IN RRH (VZS01).		

1 C-3 **SECTOR ANTENNA DETAIL**
NOT TO SCALE



PLAN VIEW



ANTENNA MOUNT ISOMETRIC

DUAL ANTENNA MOUNTING KIT	
EQUIPMENT	DESCRIPTION
MOUNT MAKE: JMA MODEL: 919003314-02	• SIDE-BY-SIDE MOUNTING KIT, ACCOMMODATES (2) COMPATABLE ANTENNAS • 2 BRACKETS REQUIRED FOR 4'-6' ANTENNAS • 3 BRACKETS REQUIRED FOR 6'-8' ANTENNAS

2 C-3 **DUAL ANTENNA MOUNT DETAIL**
NOT TO SCALE

ELEVATION - ISOMETRIC

BOTTOM

8-PORT SECTOR ANTENNA		
EQUIPMENT	DIMENSIONS	WEIGHT
MAKE: JMA MODEL: MX06FRO660-03	71.3"L x 15.4"W x 10.7"D	60.0 LBS. (W/OUT MOUNT KIT)

3 C-3 **SECTOR ANTENNA DETAIL**
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.			

3 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.			

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

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
P	12/21/21	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION
A	10/28/21	JLD	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CLIENT REVIEW

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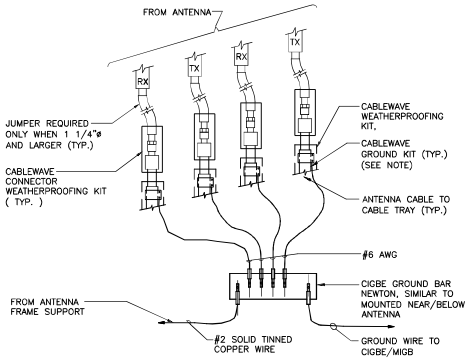
DATE: 10/28/21
SCALE: AS NOTED
JOB NO. 21007.25

RF DETAILS

C-3

Sheet No. 5 of 6

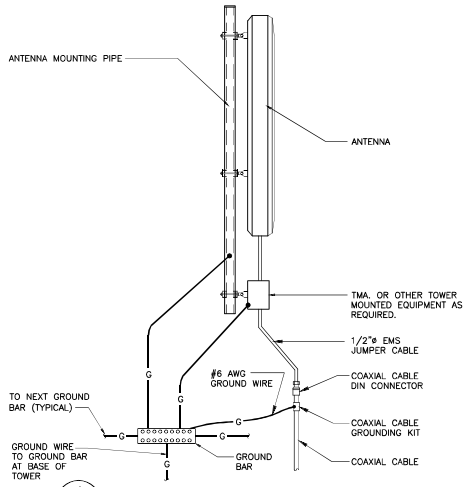


NOTES:

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

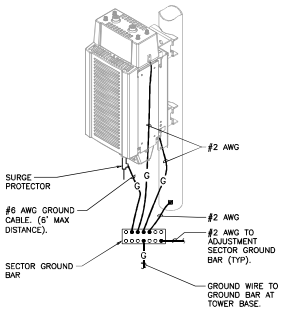


4 E-1 TYPICAL ANTENNA GROUNDING DETAIL

NOT TO SCALE

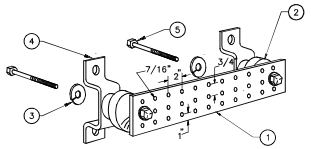
EACH RRH CABINET SHALL BE GROUNDED IN THE FOLLOWING MANNER:

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



2 E-1 RRH POLE MOUNT GROUNDING

NOT TO SCALE

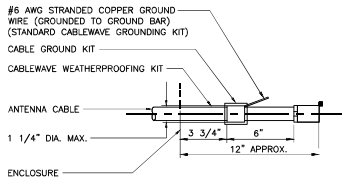


NOTES

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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REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
B	12/21/21	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION
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ELECTRICAL DETAILS AND SPECIFICATIONS

E-1

Sheet No. 6 of 6

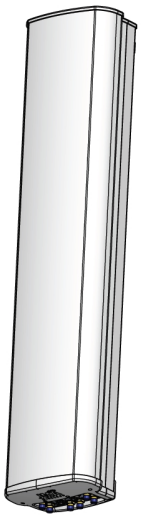
MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

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

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

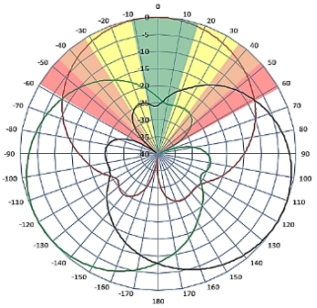
- Fast Roll Off (FRO™) azimuth beam pattern improves Intra- and Inter-cell SINR
- Compatible with dual band 700/850 MHz radios with independent low band EDT without external diplexers
- Fully integrated (iRETs) with independent RET control for low and high bands for ease of network optimization
- SON-Ready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



Fast Roll-Off antennas increase data throughput without compromising coverage

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

Non-FRO antenna



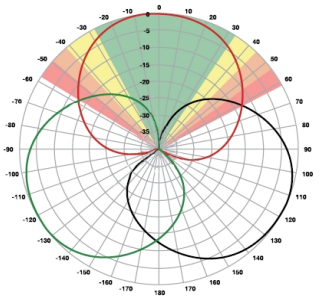
Large traditional antenna pattern overlap creates harmful interference.

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

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

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

JMA FRO antenna



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

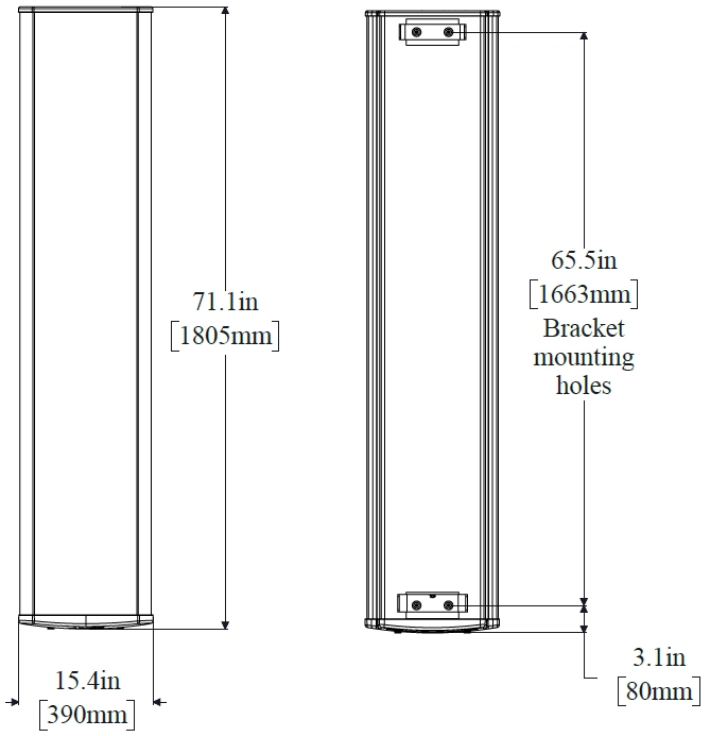
[1] Typical value over frequency and tilt

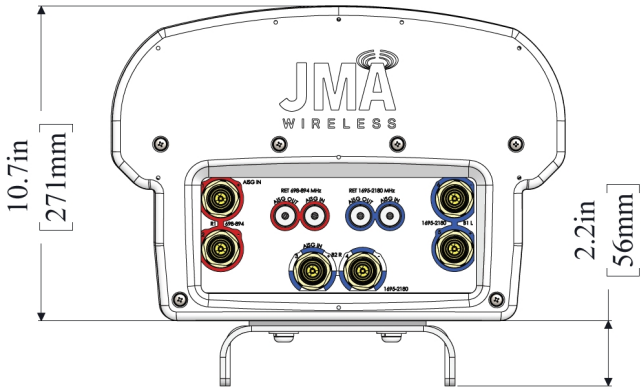
MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

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

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





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

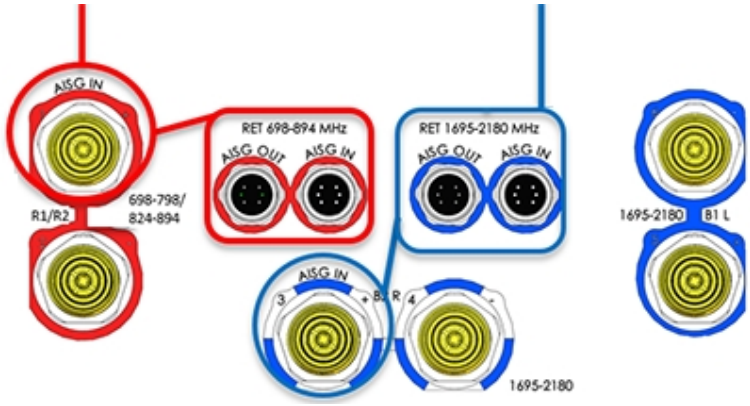
Remote electrical tilt (RET 1000) information	
RET location	Integrated into antenna
RET interface connector type	8-pin AISG connector per IEC 60130-9
RET connector torque	Min 0.5 N·m to max 1.0 N·m (hand pressure & finger tight)
RET interface connector quantity	2 pairs of AISG male/female connectors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

RET and RF connector topology

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

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

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

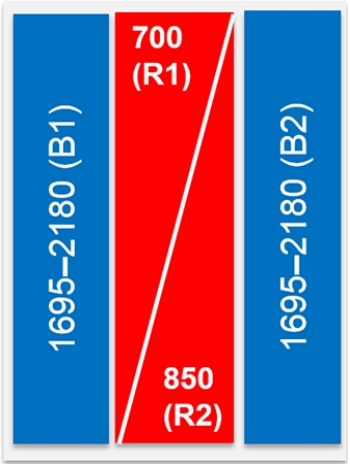


Array topology

3 sets of radiating arrays

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

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



SAMSUNG

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

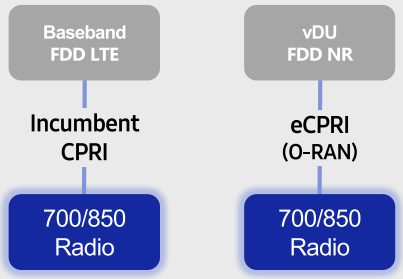
Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

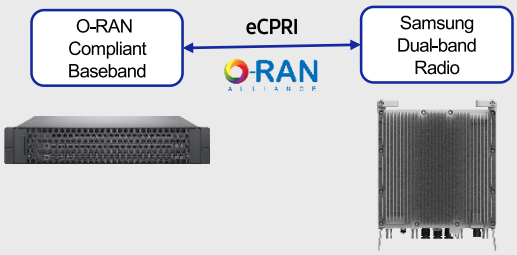
Samsung's 700/850MHz macro radio can support each incumbent CPRI interface as well as an advanced eCPRI interface. This feature provides installable options for both legacy LTE networks and added NR networks.



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.

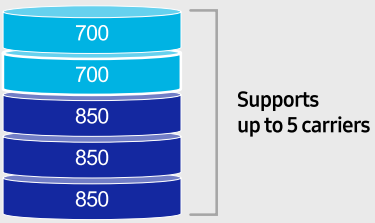
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



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.

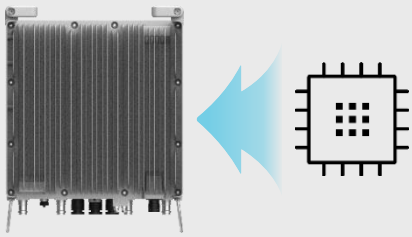
The new 700/850MHz dual-band radio can support up to 2 carriers in the B13 (700MHz) band and 3 carriers in the B5 (850MHz) band, respectively.



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

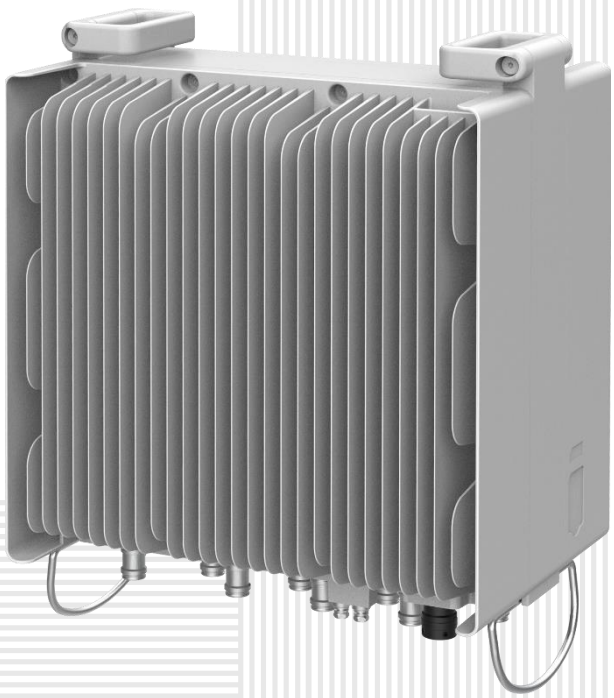
AWS/PCS MACRO RADIO

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



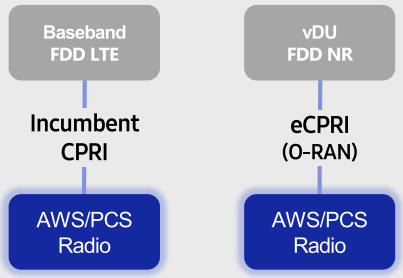
Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

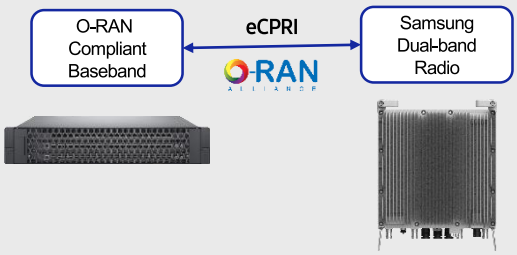
Samsung's AWS/PCS macro radio can support each incumbent CPRI interface as well as advanced eCPRI interfaces. This feature provides installable options for both legacy LTE networks and added NR networks.



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.

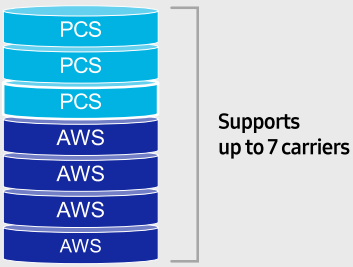
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

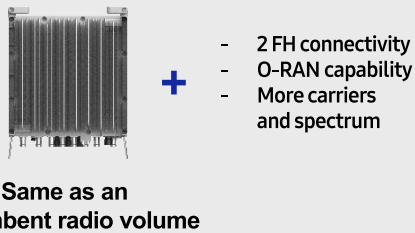
The number of required carriers varies according to site (region). Supporting many carriers is essential for using all frequencies that the operator has available.

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

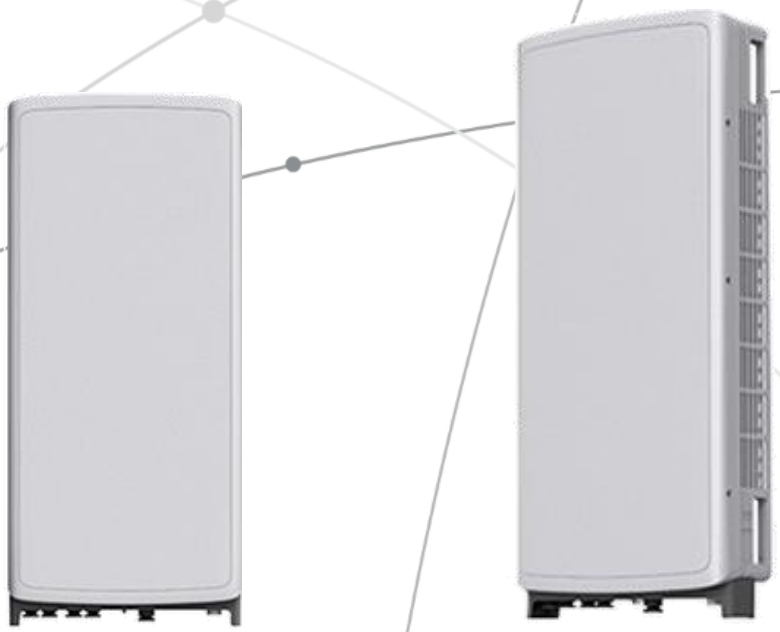
SAMSUNG

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

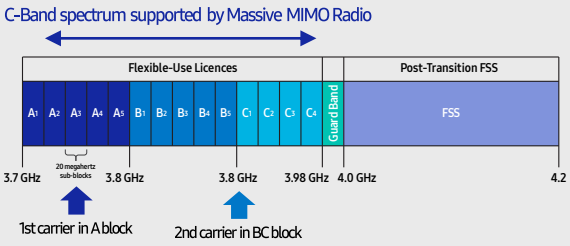


Points of Differentiation

Wide Bandwidth

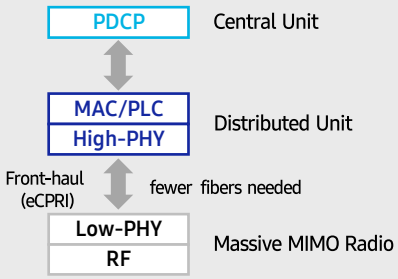
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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.

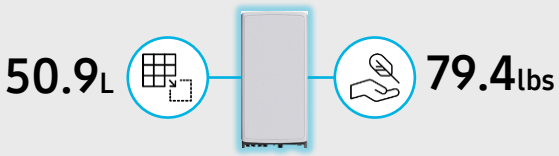
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

ATTACHMENT 3

	General	Power	Density					
Site Name: Waterbury 3								
Tower Height: Verizon @ 147ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS.EXP.**	**FRACTION MPE**	**Total**
*AT&T-	2	728	137	850	0.030511447	0.566666667	0.54%	
*AT&T-LTE	2	703	137	850	0.029463664	0.566666667	0.52%	
*AT&T-WCS-LTE	4	1052	137	2300	0.088181435	1	0.88%	
*AT&T-LTE	2	585	137	700	0.024518127	0.466666667	0.53%	
*AT&T-LTE	4	736	137	700	0.061693476	0.466666667	1.32%	
*AT&T-LTE	2	487	137	700	0.020410817	0.466666667	0.44%	
*AT&T-PCS-LTE	4	971	137	1900	0.0813918	1	0.81%	
*MetroPCS CDMA	3	727	158	2135	0.033947869	1	0.34%	
*MetroPCS LTE	1	1200	158	2130	0.018678332	1	0.19%	
*Sprint	1	432	127	850	0.010611017	0.566666667	0.19%	
*Sprint	2	433	127	850	0.02127116	0.566666667	0.38%	
*Sprint	5	536	127	1900	0.065827608	1	0.66%	
*Sprint	2	1340	127	1900	0.065827608	1	0.66%	
*Sprint	8	640	127	2500	0.1258	1	1.26%	
*Clearwire	1	211	127	11 GHz	0.0052	1	0.05%	
*Nextel iDEN	12	100	127	851	0.0295	0.567333333	0.52%	
*Nextel WiMAX	3	562	127	2657	0.0414	1	0.41%	
*Nextel Microwave	2	4.42	128	22500	0.0002	1	0.00%	
VZW 700	**4**	**623**	**147**	**751**	**0.0042**	**0.5007**	**0.83%**	
VZW CDMA	**2**	**422**	**147**	**877.26**	**0.0014**	**0.5848**	**0.24%**	
VZW Cellular	**4**	**623**	**147**	**874**	**0.0042**	**0.5827**	**0.71%**	
VZW PCS	**4**	**1462**	**147**	**1975**	**0.0097**	**1.0000**	**0.97%**	
VZW AWS	**4**	**1640**	**147**	**2120**	**0.0109**	**1.0000**	**1.09%**	
VZW CBAND	**2**	**21627**	**147**	**3730.08**	**0.0720**	**1.0000**	**7.20%**	
								20.73%
* Source: Siting Council								

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 158 ft SUMMIT Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT02722-S

Customer Site Name: Waterbury

Carrier Name: Verizon (App#: 147603, V2)

Carrier Site ID / Name: 117606 / Waterbury 3

Site Location: 299 Sheffield Street

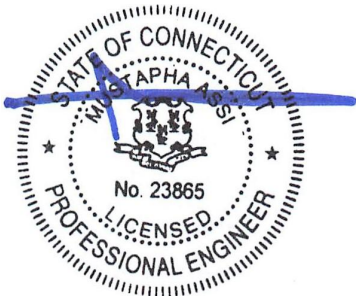
Waterbury, Connecticut

New Haven County

Latitude: 41.594089

Longitude: -73.050567

Exp. 01/31/2022



11/22/2021

Analysis Result:

Max Structural Usage: 71.8% [Pass]

Max Foundation Usage: 44.0% [Pass]

Additional Usage Caused by Mount Modification:+3.5%

Report Prepared By : Dipika Dhungana

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

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Report Prepared By : Dipika Dhungana

Introduction

The purpose of this report is to summarize the analysis results on the 158 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	Summit Manufacturing, LLC. DWG.No. 9302-01, dated 08/23/2000.
Foundation Drawing	Summit Manufacturing, LLC. Job No. 9302-A530, dated 08/23/2000.
Geotechnical Report	JGI, Site# 10125-046, dated 04/28/2000
Modification Drawings	N/A
Mount Analysis	Post Mod MA by Maser Consulting, Project # 21781085A, Dated 10/22/2021
Mount Mod Designs	Modification Drawing, Maser # 21781085A, Dated 10/22/2021

Analysis Criteria

The rigorous analysis was performed in accordance with the requirements and stipulations of the TIA-222-G-2**.** In accordance with this standard, the structure was analyzed using **TESPoles,** a proprietary analysis software. The program considers the structure as an elastic 3-D model with second-order effects and temperature effects incorporated in the analysis. The analysis was performed using multiple wind directions.

Wind Speed Used in the Analysis:	Ultimate Design Wind Speed V_{ult} = 125.0 mph (3-Sec. Gust)/ Nominal Design Wind Speed V_{asd} = 97.0 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:	TIA-222-G-2 / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	C
Structure Class:	II
Topographic Category:	1
Crest Height:	0 ft
Seismic Parameters:	S_S = 0.189, S_1 = 0.064

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
-	158.0	-	-	(1) Empty Low Profile Platform	-	-
-	148.0	1	Andrew - LNX-4514DS-A1M - Panel	(1) Low Profile Platform	(12) 1-5/8" (1) 1-5/8" Hybrid	Verizon
-		2	Andrew - LNX-6514DS-A1M - Panel			
-		6	Andrew - DB844G65VTZASX - Panel			
-		6	Commscope - HBXX-6517DS-A2M - Panel			
-		3	Alcatel - RRH4X45-AWS – RRH			
-		3	Alcatel - RRH2X60-PCS – RRH			
-		1	RFS - DB-T1-6Z-8AB-0Z - COVP			
8	137.0	3	Quintel – QS66512-2 - Panel	(1) Platform w/ Hand Rails [MTC3607]	(12) 1-5/8" (2) 1/2" Fiber (4) 3/4" DC	AT&T
9		3	CCI - OPA-65R-LCUU-H6 - Panel			
10		3	KMW - AM-X-CD-16-65-00T-RET - Panel			
11		3	Kathrein Scala - 800 10965 - Panel			
12		6	CCI - DTMABP7819VG12A - TMA			
13		6	Kaelus - DBC0037F1V2-1 - Diplexer			
14		6	Ericsson - RRUS-11 - RRU			
15		6	Ericsson - RRUS-12 - RRU			
16		3	Ericsson - RRUS 32 B2 - RRU			
17		3	Ericsson - RRUS-32 - RRU			
18		3	Ericsson - B14 4478 - RRU			
19		3	Ericsson - RRU A2 - RRU			
20		6	Kaelus - DBC0061F1V51-2 - Combiners			
21		3	Raycap - DC6-48-60-18-8F - COVP			
22	127.0	3	Nokia - AAHC - Panel	(1) Low Profile Platform (1) Reinforcement kit [PRK-1245L] (1) Vertical brace kit [PRK-SFS-L]	(1) 1-5/8" Fiber (3) 1-1/4" Fiber (2) 1/2"	Sprint Nextel
23		3	Commscope - NNVV-65B-R4 - Panel			
24		2	DragonWave - A-ANT-23G-2-C - Dish			
25		3	ALU - 1900MHz - RRU			
26		6	ALU - 800 MHz - RRU			
27	122.0	1	Nokia CS72188.01 – Omni	Direct Mount	(1) 1/2" Coax	AT&T
28	95.0	3	JMA Wireless MX08FRO665-21 - Panel	Platform w/HRK Commscope MC-PK8-DSH	(1) 1.6" Hybrid	Dish Wireless
29		3	Fujitsu TA08025-B605 RRU			
30		3	Fujitsu TA08025-B604 RRU			
31		1	Raycap RDIDC-9181-PF-48-OVP			

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
1	148.0	6	Andrew DB844G65ZAXY - Panel	Modified Low Profile Platform W/ (3) VZWSMART-PLK3, (15) VZWSMART-MSK1, (3) VZWSMART-PLK6, (1) VZWSMART-PLK7, (1) VZWSMART-MSK6, (1) VZWSMART-P40-238X048, (3) VZWSMART-P40-278X048 & (3) 36" Long, LL3X3x1/4	(11) 1-5/8" (2) 1-5/8" Hybrid	Verizon
2		3	Samsung MT6407-77A			
3		6	JMA Wireless MX06FRO660-03 - Panel			
4		6	RFS FD9R6004/2C-3L Diplexer			
5		3	Samsung RF4439D-25A			
6		3	Samsung RF4440D-13a			
7		1	Raycap RCMDC-6627-PF-48-OVP			

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:	**71.8%**	**71.3%**	**57.8%**
Pass/Fail	**Pass**	**Pass**	**Pass**

Foundations

	Moment (Kip-Ft)	Shear (Kips)
Analysis Reactions	4929.0	42.8

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 1.2949 degrees under the operational wind speed as specified in the Analysis Criteria.

Conclusions

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

Standard Conditions

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

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

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

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

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

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

Usage Diagram - Max Ratio 71.76% at 83.5ft

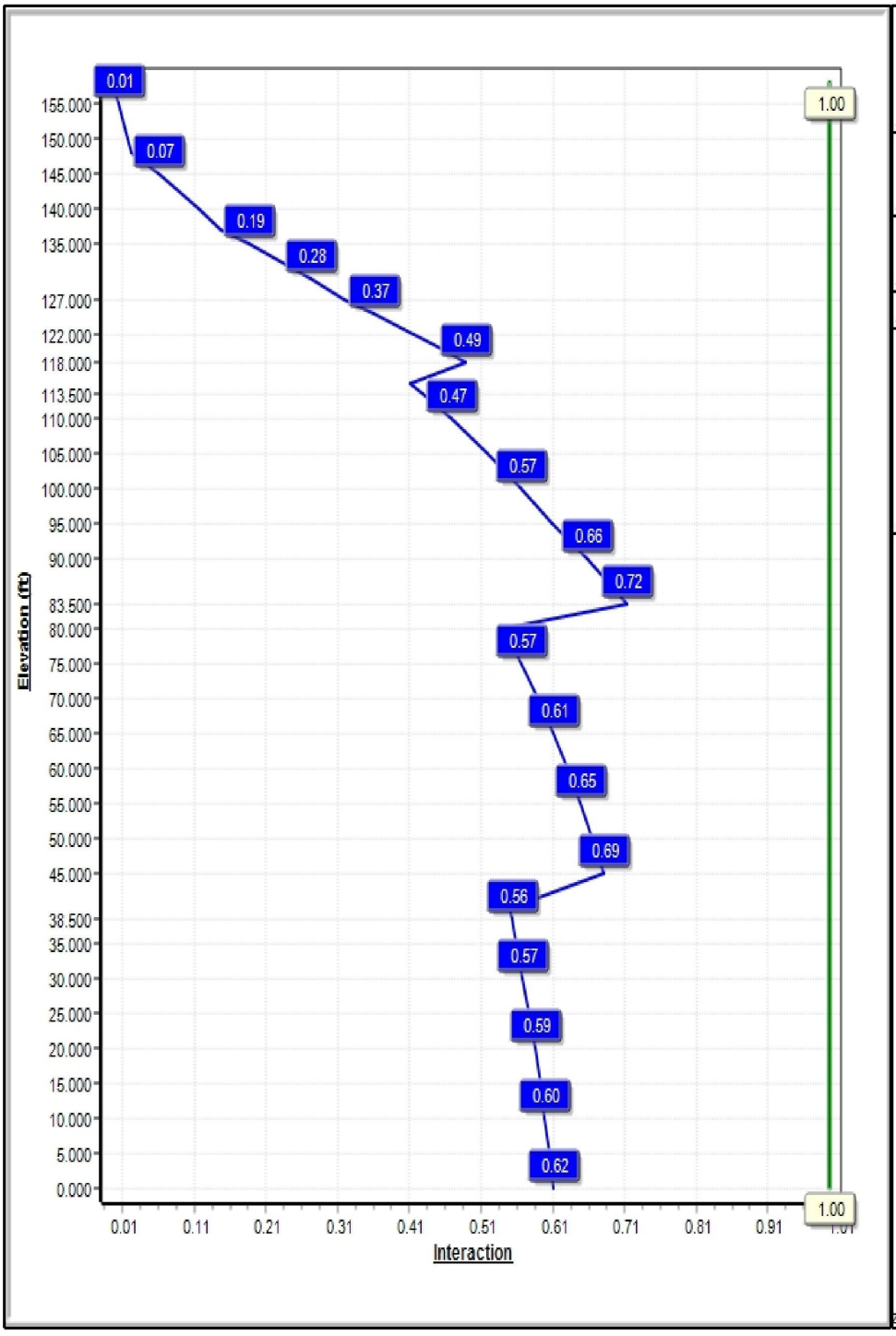
Structure:	CT02722-S-SBA	**Code:**	EIA/TIA-222-G	11/22/2021
Site Name:	Waterbury	**Exposure:**	C	
Height:	158.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

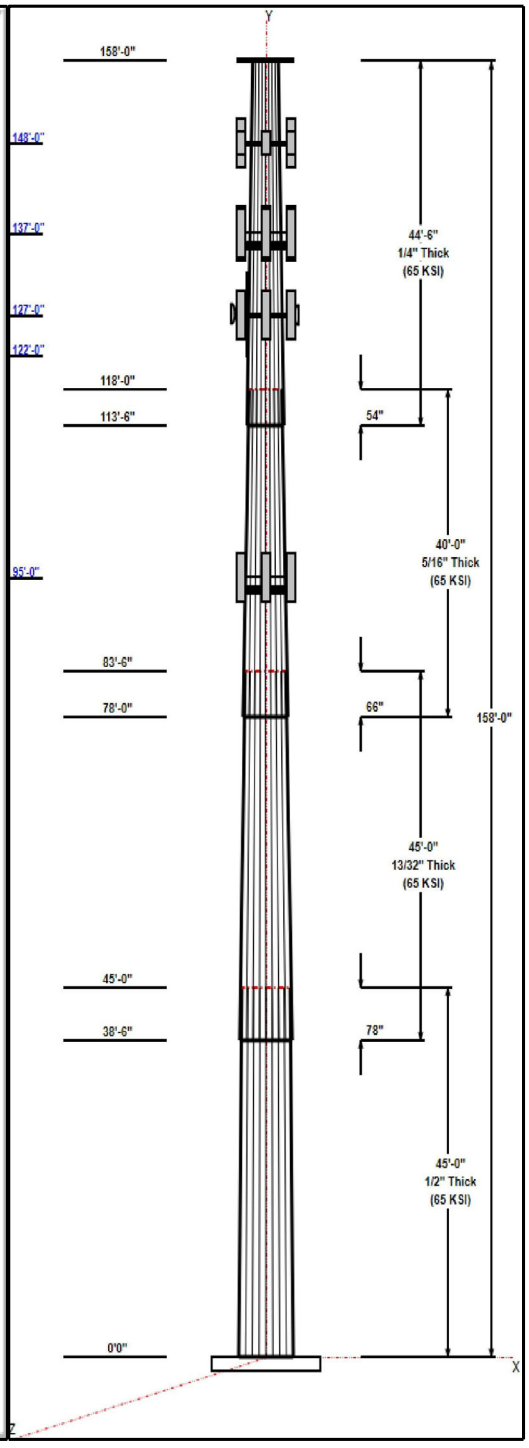
Tower Engineering Solutions

Dead Load Factor:	1.20
Wind Load Factor:	1.60

Load Case : 1.2D + 1.6W 97 mph Wind

Iterations: 23





Structure: CT02722-S-SBA

Type: Tapered
Site Name: Waterbury
Height: 158.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.23998

11/22/2021

Tower Engineering Solutions

Shaft Properties

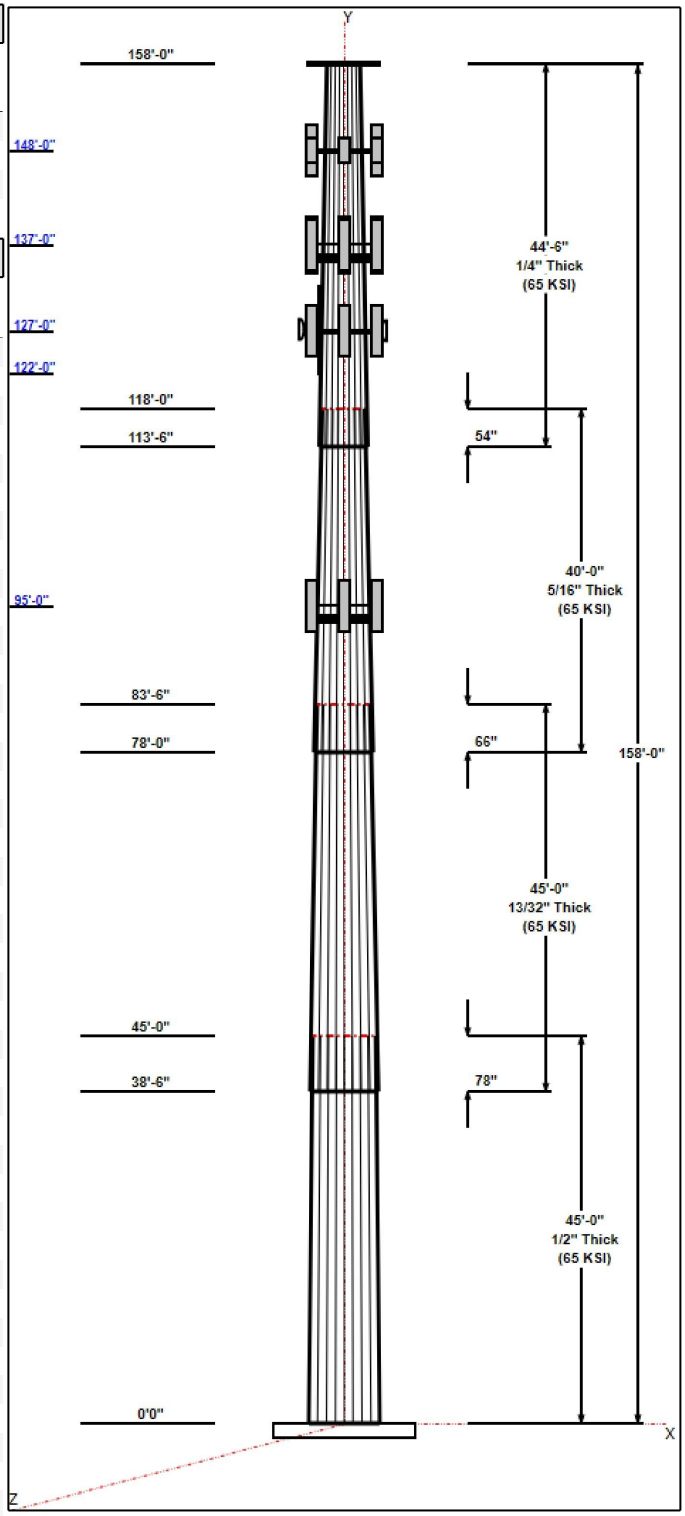
Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	45.00	49.18	59.98	0.500		0.23998	65
2	45.00	40.75	51.55	0.406	Slip	0.23998	65
3	40.00	33.10	42.70	0.313	Slip	0.23998	65
4	44.50	24.00	34.68	0.250	Slip	0.23998	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
158.00	158.00	1	Low Profile Platform	-
148.00	148.00	6	DB844G65VTZASX	Verizon
148.00	148.00	1	Low Profile Platform	Verizon
148.00	148.00	3	MT6407-77A	Verizon
148.00	148.00	6	JMA Wireless	Verizon
148.00	148.00	3	RF4439D-25A	Verizon
148.00	148.00	3	RF4440D-13a	Verizon
148.00	148.00	1	Raycap	Verizon
148.00	148.00	6	RFS FD9R6004/2C-3L	Verizon
148.00	148.00	1	VZWSMART-PLK6	Verizon
148.00	148.00	1	VZWSMART-PLK7	Verizon
148.00	148.00	1	VZWSMART-PLK3	Verizon
137.00	137.00	3	800 10965	AT&T
137.00	137.00	6	Kaelus - DBC0037F1V2-1	AT&T
137.00	137.00	3	Ericsson - B14 4478 - RRU	AT&T
137.00	137.00	6	Kaelus - DBC0061F1V51-2	AT&T
137.00	137.00	3	CCI - OPA-65R-LCUU-H6	AT&T
137.00	137.00	3	KMW -	AT&T
137.00	137.00	3	Ericsson - RRUS 32 B2 -	AT&T
137.00	137.00	6	CCI -	AT&T
137.00	137.00	6	Ericsson - RRUS-11 - RRU	AT&T
137.00	137.00	6	Ericsson - RRUS-12 - RRU	AT&T
137.00	137.00	3	Ericsson - RRU A2 - RRU	AT&T
137.00	137.00	3	Ericsson - RRUS-32 - RRU	AT&T
137.00	137.00	3	Quintel - QS66512-2	AT&T
137.00	137.00	3	Raycap - DC6-48-60-18-8F	AT&T
137.00	137.00	1	Platform w/ Hand Rails	AT&T
127.00	127.00	2	A-ANT-23G-2-C	Sprint Nextel
127.00	127.00	3	ALU - 1900MHz - RRU	Sprint Nextel
127.00	127.00	6	ALU - 800 MHz - RRU	Sprint Nextel
127.00	127.00	3	AAHC	Sprint Nextel
127.00	127.00	3	NNVV-65B-R4	Sprint Nextel
127.00	127.00	1	PRK-1245 Reinforcement	Sprint Nextel
127.00	127.00	1	PRK-SFS-L Brace Kit	Sprint Nextel
127.00	127.00	1	Low Profile Platform	Sprint Nextel
122.00	127.00	1	CS72188.01 Omni	AT&T
95.00	95.00	3	JMA Wireless	Dish Wireless
95.00	95.00	1	MC-PK8-DSH	Dish Wireless
95.00	95.00	3	Fujitsu TA08025-B605	Dish Wireless
95.00	95.00	3	Fujitsu TA08025-B604	Dish Wireless
95.00	95.00	1	Raycap	Dish Wireless

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	148.00	Inside	1-5/8"	Verizon



0.00	148.00	Inside	1-5/8" Hybrid	Verizon
0.00	137.00	Inside	1-5/8" Coax	AT&T
0.00	137.00	Inside	1/2" Fiber	AT&T
0.00	137.00	Inside	3/4" DC	AT&T
0.00	127.00	Inside	1-1/4" Fiber	Sprint Nextel
0.00	127.00	Inside	1-5/8" Fiber	Sprint Nextel
0.00	127.00	Inside	1/2"	Sprint Nextel
0.00	122.00	Inside	1/2" Coax	AT&T
0.00	95.00	Inside	1.6" Hybrid	Dish Wireless

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
20	2.25" 18J	75.0	Cluster

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
3.2500	66.0	50.0	Clipped

Reactions

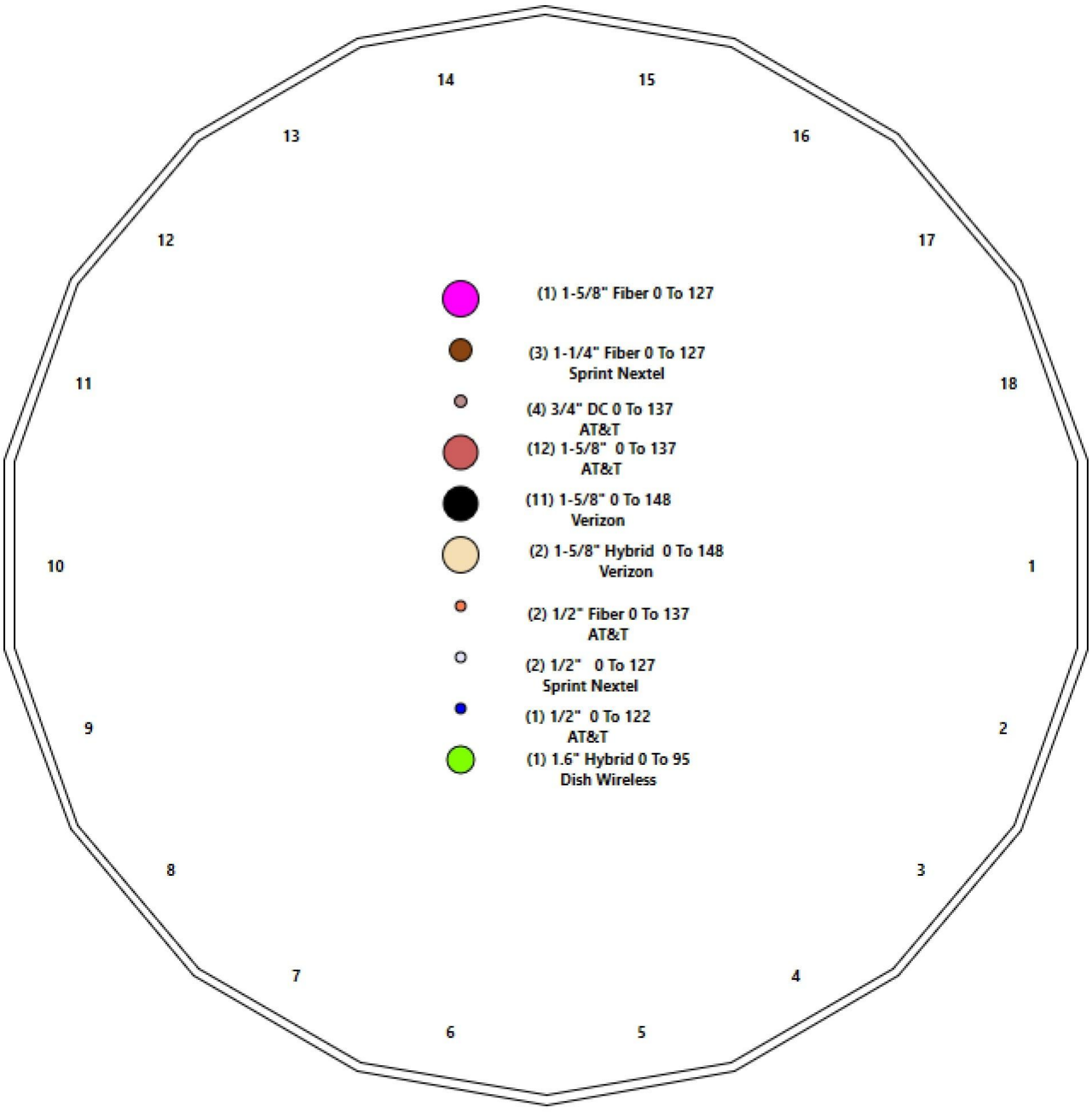
Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 97 mph Wind	4929.0	42.8	60.1
0.9D + 1.6W 97 mph Wind	4882.7	42.8	45.0
1.2D + 1.0Di + 1.0Wi 50 mph Wind	1392.1	12.1	90.5
1.2D + 1.0E	258.3	2.2	60.1
0.9D + 1.0E	255.7	2.2	45.1
1.0D + 1.0W 60 mph Wind	1172.7	10.2	50.1

Structure: CT02722-S-SBA - Coax Line Placement

Type: Monopole
Site Name: Waterbury
Height: 158.00 (ft)

11/22/2021

Tower Engineering Solutions



Shaft Properties

Structure:	CT02722-S-SBA		**Code:**	EIA/TIA-222-G	11/22/2021
Site Name:	Waterbury		**Exposure:**	C	
Height:	158.00 (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

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	45.000	0.5000	65		0.00	13,142
2	18	45.000	0.4063	65	Slip	78.00	9,033
3	18	40.000	0.3125	65	Slip	66.00	5,074
4	18	44.500	0.2500	65	Slip	54.00	3,495
					Total Shaft Weight:		**30,744**

	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	59.98	0.00	94.39	42191.72	19.74	119.96	49.18	45.00	77.25	23130.4	15.93	98.36	0.239985
2	51.55	38.50	65.96	21799.61	20.96	126.88	40.75	83.50	52.03	10701.4	16.28	100.3	0.239985
3	42.70	78.00	42.04	9542.68	22.68	136.64	33.10	118.00	32.52	4416.67	17.27	105.9	0.239985
4	34.68	113.5	27.32	4091.38	23.05	138.72	24.00	158.00	18.84	1343.00	15.52	96.00	0.239985

Load Summary

Structure:	CT02722-S-SBA	**Code:**	EIA/TIA-222-G	11/22/2021	
Site Name:	Waterbury	**Exposure:**	C		
Height:	158.00 (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

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	158.00	Low Profile Platform	1	1200.00	25.00	1.00	2252.58	46.052	1.00	0.00	0.00
2	148.00	DB844G65VTZASX	6	12.00	4.33	0.93	167.80	6.312	0.93	0.00	0.00
3	148.00	Low Profile Platform	1	1200.00	35.00	1.00	2245.72	64.280	1.00	0.00	0.00
4	148.00	MT6407-77A	3	79.40	4.69	0.70	198.75	5.636	0.70	0.00	0.00
5	148.00	JMA Wireless MX06FRO660-03	6	60.00	9.87	0.87	328.56	11.244	0.87	0.00	0.00
6	148.00	RF4439D-25A	3	84.40	1.88	0.67	135.59	2.430	0.67	0.00	0.00
7	148.00	RF4440D-13a	3	70.30	1.88	0.67	118.87	2.430	0.67	0.00	0.00
8	148.00	Raycap RCMDC-6627-PF-48-OVP	1	32.00	4.06	1.00	145.77	4.881	1.00	0.00	0.00
9	148.00	RFS FD9R6004/2C-3L Diplexer	6	3.10	0.37	0.50	11.12	0.825	0.50	0.00	0.00
10	148.00	VZWSMART-PLK6	1	329.00	10.00	1.00	787.72	20.457	1.00	0.00	0.00
11	148.00	VZWSMART-PLK7	1	136.70	2.25	1.00	327.30	4.603	1.00	0.00	0.00
12	148.00	VZWSMART-PLK3	1	514.00	12.25	1.00	1123.17	24.206	1.00	0.00	0.00
13	137.00	800 10965	3	97.40	10.22	0.77	392.46	15.376	0.75	0.00	0.00
14	137.00	Kaelus - DBC0037F1V2-1 - Diplexer	6	6.60	0.38	0.67	16.58	0.832	0.67	0.00	0.00
15	137.00	Ericsson - B14 4478 - RRU	3	60.00	1.65	0.67	101.51	2.164	0.67	0.00	0.00
16	137.00	Kaelus - DBC0061F1V51-2 -	6	18.30	0.33	0.67	35.14	0.622	0.67	0.00	0.00
17	137.00	CCI - OPA-65R-LCUU-H6	3	73.00	9.66	0.79	302.31	11.013	0.79	0.00	0.00
18	137.00	KMW - AM-X-CD-16-65-00T-RET	3	48.50	8.02	0.75	209.31	10.789	0.75	0.00	0.00
19	137.00	Ericsson - RRUS 32 B2 - RRU	3	53.00	2.74	0.67	140.02	3.462	0.67	0.00	0.00
20	137.00	CCI - DTMABP7819VG12A	6	19.00	1.14	0.67	44.03	1.903	0.67	0.00	0.00
21	137.00	Ericsson - RRUS-11 - RRU	6	55.00	2.52	0.67	132.24	3.148	0.67	0.00	0.00
22	137.00	Ericsson - RRUS-12 - RRU	6	58.00	3.15	0.67	152.34	3.857	0.67	0.00	0.00
23	137.00	Ericsson - RRU A2 - RRU	3	22.00	1.86	0.67	59.14	2.825	0.67	0.00	0.00
24	137.00	Ericsson - RRUS-32 - RRU	3	77.00	3.87	0.67	189.35	4.098	0.67	0.00	0.00
25	137.00	Quintel - QS66512-2	3	111.00	8.13	0.90	327.77	9.412	0.90	0.00	0.00
26	137.00	Raycap - DC6-48-60-18-8F - COVP	3	32.80	1.47	0.80	95.99	2.163	0.80	0.00	0.00
27	137.00	Platform w/ Hand Rails [MTC3607]	1	2000.00	40.00	1.00	4075.36	60.754	1.00	0.00	0.00
28	127.00	A-ANT-23G-2-C	2	12.30	8.43	1.00	56.17	10.108	1.00	0.00	0.00
29	127.00	ALU - 1900MHz - RRU	3	60.00	2.77	0.67	142.06	4.018	0.68	0.00	0.00
30	127.00	ALU - 800 MHz - RRU	6	53.00	2.49	0.67	125.74	3.615	0.67	0.00	0.00
31	127.00	AAHC	3	103.70	4.21	0.75	207.58	5.008	0.75	0.00	0.00
32	127.00	NNVV-65B-R4	3	84.70	12.27	0.74	392.03	13.702	0.75	0.00	0.00
33	127.00	PRK-1245 Reinforcement Kit	1	464.91	9.50	1.00	784.10	19.284	1.00	0.00	0.00
34	127.00	PRK-SFS-L Brace Kit	1	261.72	6.75	1.00	567.19	13.238	1.00	0.00	0.00
35	127.00	Low Profile Platform	1	1200.00	25.00	1.00	2229.84	45.597	1.00	0.00	0.00
36	122.00	CS72188.01 Omni	1	25.00	3.00	1.00	99.50	6.533	1.00	0.00	5.00
37	95.00	JMA Wireless MX08FRO665-21	3	64.50	12.49	0.74	342.38	13.889	0.74	0.00	0.00
38	95.00	MC-PK8-DSH	1	1727.00	37.59	1.00	3339.47	82.715	1.00	0.00	0.00
39	95.00	Fujitsu TA08025-B605 RRU	3	75.00	1.96	0.67	124.97	2.496	0.67	0.00	0.00
40	95.00	Fujitsu TA08025-B604 RRU	3	63.90	1.96	0.67	112.27	2.496	0.67	0.00	0.00
41	95.00	Raycap RDIDC-9181-PF-48-OVP	1	21.90	2.01	1.00	72.77	2.553	1.00	0.00	0.00
		Totals:	**123**	**14,628.63**			**35,021.13**				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed

Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice Weight (lb)	No Ice CaAa (sf)	No Ice CaAa Factor	Ice Weight (lb)	Ice CaAa (sf)	Ice CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
0.00	148.00	(11) 1-5/8"			0.00	Inside					
0.00	148.00	(2) 1-5/8" Hybrid			0.00	Inside					
0.00	137.00	(12) 1-5/8" Coax			0.00	Inside					
0.00	137.00	(2) 1/2" Fiber			0.00	Inside					
0.00	137.00	(4) 3/4" DC			0.00	Inside					
0.00	127.00	(3) 1-1/4" Fiber			0.00	Inside					
0.00	127.00	(1) 1-5/8" Fiber			0.00	Inside					
0.00	127.00	(2) 1/2"			0.00	Inside					
0.00	122.00	(1) 1/2" Coax			0.00	Inside					
0.00	95.00	(1) 1.6" Hybrid			0.00	Inside					

Shaft Section Properties

Structure:	CT02722-S-SBA	**Code:**	EIA/TIA-222-G	11/22/2021	
Site Name:	Waterbury	**Exposure:**	C		
Height:	158.00 (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

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		0.5000	59.980	94.391	42191.7	19.74	119.96	78.2	1385.	0.0
5.00		0.5000	58.780	92.487	39689.4	19.32	117.56	78.7	1329.	1589.8
10.00		0.5000	57.580	90.583	37288.1	18.90	115.16	79.2	1275.	1557.4
15.00		0.5000	56.380	88.679	34985.6	18.47	112.76	79.7	1222.	1525.0
20.00		0.5000	55.180	86.775	32779.9	18.05	110.36	80.2	1170.	1492.6
25.00		0.5000	53.980	84.870	30668.9	17.63	107.96	80.7	1119.	1460.2
30.00		0.5000	52.780	82.966	28650.5	17.20	105.56	81.2	1069.	1427.8
35.00		0.5000	51.581	81.062	26722.7	16.78	103.16	81.7	1020.	1395.4
38.50	Bot - Section 2	0.5000	50.741	79.729	25426.0	16.48	101.48	82.0	987.0	957.5
40.00		0.5000	50.381	79.158	24883.4	16.36	100.76	82.2	972.8	741.0
45.00	Top - Section 1	0.4063	49.993	63.945	19865.3	20.29	123.05	0.0	0.0	2431.7
50.00		0.4063	48.793	62.398	18457.8	19.76	120.09	78.2	745.1	1074.8
55.00		0.4063	47.593	60.850	17118.4	19.24	117.14	78.8	708.4	1048.5
60.00		0.4063	46.394	59.303	15845.4	18.72	114.19	79.4	672.7	1022.1
65.00		0.4063	45.194	57.755	14637.1	18.20	111.23	80.0	637.9	995.8
70.00		0.4063	43.994	56.208	13491.9	17.68	108.28	80.6	604.0	969.5
75.00		0.4063	42.794	54.661	12408.0	17.16	105.33	81.2	571.1	943.2
78.00	Bot - Section 3	0.4063	42.074	53.732	11786.5	16.85	103.55	81.6	551.8	553.3
80.00		0.4063	41.594	53.113	11383.8	16.64	102.37	81.8	539.1	648.1
83.50	Top - Section 2	0.3125	41.379	40.731	8678.7	21.94	132.41	0.0	0.0	1116.2
85.00		0.3125	41.019	40.374	8452.4	21.73	131.26	75.8	405.9	207.0
90.00		0.3125	39.819	39.184	7726.8	21.06	127.42	76.6	382.2	676.8
95.00		0.3125	38.619	37.994	7043.9	20.38	123.58	77.4	359.2	656.5
100.00		0.3125	37.419	36.804	6402.5	19.70	119.74	78.2	337.0	636.3
105.00		0.3125	36.219	35.614	5801.2	19.03	115.90	79.0	315.5	616.1
110.00		0.3125	35.019	34.424	5238.9	18.35	112.06	79.8	294.7	595.8
113.50	Bot - Section 4	0.3125	34.179	33.590	4867.6	17.87	109.37	80.4	280.5	405.0
115.00		0.3125	33.819	33.233	4714.1	17.67	108.22	80.6	274.5	309.3
118.00	Top - Section 3	0.2500	33.599	26.462	3718.3	22.29	134.40	0.0	0.0	608.7
120.00		0.2500	33.119	26.081	3560.1	21.95	132.48	75.6	211.7	178.8
122.00		0.2500	32.639	25.700	3406.4	21.61	130.56	76.0	205.6	176.2
125.00		0.2500	31.919	25.129	3184.3	21.10	127.68	76.6	196.5	259.4
127.00		0.2500	31.440	24.748	3041.7	20.76	125.76	77.0	190.6	169.7
130.00		0.2500	30.720	24.177	2835.9	20.26	122.88	77.6	181.8	249.7
135.00		0.2500	29.520	23.225	2513.8	19.41	118.08	78.6	167.7	403.2
137.00		0.2500	29.040	22.844	2392.2	19.07	116.16	79.0	162.2	156.8
140.00		0.2500	28.320	22.273	2217.2	18.56	113.28	79.6	154.2	230.3
145.00		0.2500	27.120	21.320	1944.8	17.72	108.48	80.6	141.2	370.8
148.00		0.2500	26.400	20.749	1792.6	17.21	105.60	81.2	133.7	214.7
150.00		0.2500	25.920	20.368	1695.7	16.87	103.68	81.6	128.9	139.9
155.00		0.2500	24.720	19.416	1468.9	16.02	98.88	82.5	117.0	338.4
158.00		0.2500	24.000	18.845	1343.0	15.52	96.00	82.5	110.2	195.3
										30744.2

Wind Loading - Shaft

Structure:	CT02722-S-SBA	**Code:**	EIA/TIA-222-G	11/22/2021	
Site Name:	Waterbury	**Exposure:**	C		
Height:	158.00 (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 97 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

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	0.85	19.450	21.40	453.89	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	19.450	21.40	444.81	0.650	0.000	5.00	25.123	16.33	559.0	0.0	1907.7
10.00		1.00	0.85	19.450	21.40	435.73	0.650	0.000	5.00	24.616	16.00	547.7	0.0	1868.8
15.00		1.00	0.85	19.450	21.40	426.65	0.650	0.000	5.00	24.108	15.67	536.4	0.0	1830.0
20.00		1.00	0.90	20.638	22.70	430.13	0.650	0.000	5.00	23.600	15.34	557.2	0.0	1791.1
25.00		1.00	0.95	21.630	23.79	430.78	0.650	0.000	5.00	23.093	15.01	571.4	0.0	1752.2
30.00		1.00	0.98	22.477	24.72	429.36	0.650	0.000	5.00	22.585	14.68	580.7	0.0	1713.3
35.00		1.00	1.01	23.218	25.54	426.47	0.650	0.000	5.00	22.077	14.35	586.4	0.0	1674.5
38.50	Bot - Section 2	1.00	1.04	23.689	26.06	423.75	0.650	0.000	3.50	15.152	9.85	410.6	0.0	1149.0
40.00		1.00	1.04	23.880	26.27	422.44	0.650	0.000	1.50	6.521	4.24	178.1	0.0	889.2
45.00	Top - Section 1	1.00	1.07	24.479	26.93	417.52	0.650	0.000	5.00	21.406	13.91	599.5	0.0	2918.0
50.00		1.00	1.09	25.029	27.53	418.86	0.650	0.000	5.00	20.898	13.58	598.4	0.0	1289.7
55.00		1.00	1.12	25.536	28.09	412.67	0.650	0.000	5.00	20.390	13.25	595.7	0.0	1258.2
60.00		1.00	1.14	26.008	28.61	405.97	0.650	0.000	5.00	19.883	12.92	591.6	0.0	1226.6
65.00		1.00	1.16	26.450	29.09	398.82	0.650	0.000	5.00	19.375	12.59	586.3	0.0	1195.0
70.00		1.00	1.17	26.866	29.55	391.27	0.650	0.000	5.00	18.867	12.26	579.9	0.0	1163.4
75.00		1.00	1.19	27.259	29.98	383.37	0.650	0.000	5.00	18.360	11.93	572.5	0.0	1131.8
78.00	Bot - Section 3	1.00	1.20	27.485	30.23	378.48	0.650	0.000	3.00	10.772	7.00	338.7	0.0	663.9
80.00		1.00	1.21	27.632	30.39	375.16	0.650	0.000	2.00	7.186	4.67	227.1	0.0	777.7
83.50	Top - Section 2	1.00	1.22	27.882	30.67	369.25	0.650	0.000	3.50	12.379	8.05	394.9	0.0	1339.4
85.00		1.00	1.22	27.987	30.79	372.34	0.650	0.000	1.50	5.229	3.40	167.4	0.0	248.4
90.00		1.00	1.24	28.325	31.16	363.63	0.650	0.000	5.00	17.101	11.12	554.1	0.0	812.2
95.00	Appurtenance(s)	1.00	1.25	28.650	31.51	354.69	0.650	0.000	5.00	16.593	10.79	543.9	0.0	787.9
100.00		1.00	1.27	28.961	31.86	345.53	0.650	0.000	5.00	16.086	10.46	532.9	0.0	763.6
105.00		1.00	1.28	29.260	32.19	336.17	0.650	0.000	5.00	15.578	10.13	521.4	0.0	739.3
110.00		1.00	1.29	29.548	32.50	326.63	0.650	0.000	5.00	15.070	9.80	509.4	0.0	715.0
113.50	Bot - Section 4	1.00	1.30	29.743	32.72	319.85	0.650	0.000	3.50	10.247	6.66	348.7	0.0	486.0
115.00		1.00	1.30	29.826	32.81	316.92	0.650	0.000	1.50	4.379	2.85	149.4	0.0	371.1
118.00	Top - Section 3	1.00	1.31	29.988	32.99	311.01	0.650	0.000	3.00	8.621	5.60	295.7	0.0	730.4
120.00		1.00	1.32	30.094	33.10	311.75	0.650	0.000	2.00	5.646	3.67	194.4	0.0	214.5
122.00	Appurtenance(s)	1.00	1.32	30.199	33.22	307.77	0.650	0.000	2.00	5.564	3.62	192.2	0.0	211.4
125.00		1.00	1.33	30.354	33.39	301.75	0.650	0.000	3.00	8.194	5.33	284.5	0.0	311.3
127.00	Appurtenance(s)	1.00	1.33	30.455	33.50	297.71	0.650	0.000	2.00	5.361	3.48	186.8	0.0	203.7
130.00		1.00	1.34	30.605	33.67	291.61	0.650	0.000	3.00	7.890	5.13	276.2	0.0	299.7
135.00		1.00	1.35	30.850	33.93	281.33	0.650	0.000	5.00	12.743	8.28	449.7	0.0	483.9
137.00	Appurtenance(s)	1.00	1.35	30.945	34.04	277.19	0.650	0.000	2.00	4.955	3.22	175.4	0.0	188.1
140.00		1.00	1.36	31.087	34.20	270.93	0.650	0.000	3.00	7.281	4.73	258.9	0.0	276.3
145.00		1.00	1.37	31.317	34.45	260.41	0.650	0.000	5.00	11.728	7.62	420.2	0.0	445.0
148.00	Appurtenance(s)	1.00	1.37	31.452	34.60	254.05	0.650	0.000	3.00	6.793	4.42	244.4	0.0	257.7
150.00		1.00	1.38	31.541	34.70	249.78	0.650	0.000	2.00	4.427	2.88	159.7	0.0	167.9
155.00		1.00	1.39	31.760	34.94	239.04	0.650	0.000	5.00	10.713	6.96	389.2	0.0	406.1
158.00	Appurtenance(s)	1.00	1.39	31.888	35.08	232.55	0.650	0.000	3.00	6.184	4.02	225.6	0.0	234.3
								Totals:	**158.00**			**16,692.6**		**36,893.1**

Discrete Appurtenance Forces

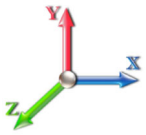
Structure:	CT02722-S-SBA	**Code:**	EIA/TIA-222-G	11/22/2021	
Site Name:	Waterbury	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 10	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 97 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



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	158.00	Low Profile Platform	1	31.888	35.077	1.00	1.00	25.00	1440.00	0.000	0.000	1403.09	0.00	0.00
2	148.00	VZWSMART-PLK3	1	31.452	34.598	1.00	1.00	12.25	616.80	0.000	0.000	678.11	0.00	0.00
3	148.00	DB844G65VTZASX	6	31.452	34.598	0.70	0.75	18.12	86.40	0.000	0.000	1003.11	0.00	0.00
4	148.00	Low Profile Platform	1	31.452	34.598	1.00	1.00	35.00	1440.00	0.000	0.000	1937.47	0.00	0.00
5	148.00	VZWSMART-PLK6	1	31.452	34.598	1.00	1.00	10.00	394.80	0.000	0.000	553.56	0.00	0.00
6	148.00	VZWSMART-PLK7	1	31.452	34.598	1.00	1.00	2.25	164.04	0.000	0.000	124.55	0.00	0.00
7	148.00	RFS FD9R6004/2C-3L	6	31.452	34.598	0.38	0.75	0.83	22.32	0.000	0.000	46.08	0.00	0.00
8	148.00	JMA Wireless	6	31.452	34.598	0.65	0.75	38.64	432.00	0.000	0.000	2139.03	0.00	0.00
9	148.00	RF4439D-25A	3	31.452	34.598	0.50	0.75	2.83	303.84	0.000	0.000	156.89	0.00	0.00
10	148.00	RF4440D-13a	3	31.452	34.598	0.50	0.75	2.83	253.08	0.000	0.000	156.89	0.00	0.00
11	148.00	Raycap	1	31.452	34.598	1.00	1.00	4.06	38.40	0.000	0.000	224.75	0.00	0.00
12	148.00	MT6407-77A	3	31.452	34.598	0.52	0.75	7.39	285.84	0.000	0.000	408.90	0.00	0.00
13	137.00	Raycap -	3	30.945	34.040	0.64	0.80	2.82	118.08	0.000	0.000	153.72	0.00	0.00
14	137.00	Ericsson - RRU A2 - RRU	3	30.945	34.040	0.54	0.80	2.99	79.20	0.000	0.000	162.89	0.00	0.00
15	137.00	Ericsson - RRUS-32 -	3	30.945	34.040	0.54	0.80	6.22	277.20	0.000	0.000	338.92	0.00	0.00
16	137.00	Quintel - QS66512-2	3	30.945	34.040	0.72	0.80	17.56	399.60	0.000	0.000	956.42	0.00	0.00
17	137.00	KMW -	3	30.945	34.040	0.60	0.80	14.44	174.60	0.000	0.000	786.24	0.00	0.00
18	137.00	Platform w/ Hand Rails	1	30.945	34.040	1.00	1.00	40.00	2400.00	0.000	0.000	2178.54	0.00	0.00
19	137.00	CCI - OPA-65R-LCUU-H6	3	30.945	34.040	0.63	0.80	18.32	262.80	0.000	0.000	997.52	0.00	0.00
20	137.00	Ericsson - RRUS 32 B2 -	3	30.945	34.040	0.54	0.80	4.41	190.80	0.000	0.000	239.96	0.00	0.00
21	137.00	Ericsson - RRUS-12 -	6	30.945	34.040	0.54	0.80	10.13	417.60	0.000	0.000	551.74	0.00	0.00
22	137.00	CCI -	6	30.945	34.040	0.54	0.80	3.67	136.80	0.000	0.000	199.68	0.00	0.00
23	137.00	Kaelus -	6	30.945	34.040	0.54	0.80	1.06	131.76	0.000	0.000	57.80	0.00	0.00
24	137.00	Ericsson - B14 4478 -	3	30.945	34.040	0.54	0.80	2.65	216.00	0.000	0.000	144.50	0.00	0.00
25	137.00	Kaelus - DBC0037F1V2-1	6	30.945	34.040	0.54	0.80	1.22	47.52	0.000	0.000	66.56	0.00	0.00
26	137.00	800 10965	3	30.945	34.040	0.62	0.80	18.89	350.64	0.000	0.000	1028.63	0.00	0.00
27	137.00	Ericsson - RRUS-11 -	6	30.945	34.040	0.54	0.80	8.10	396.00	0.000	0.000	441.39	0.00	0.00
28	127.00	NNVV-65B-R4	3	30.455	33.501	0.59	0.80	21.79	304.92	0.000	0.000	1168.06	0.00	0.00
29	127.00	ALU - 1900MHz - RRU	3	30.455	33.501	0.54	0.80	4.45	216.00	0.000	0.000	238.75	0.00	0.00
30	127.00	ALU - 800 MHz - RRU	6	30.455	33.501	0.54	0.80	8.01	381.60	0.000	0.000	429.23	0.00	0.00
31	127.00	AAHC	3	30.455	33.501	0.60	0.80	7.58	373.32	0.000	0.000	406.19	0.00	0.00
32	127.00	PRK-1245 Reinforcement	1	30.455	33.501	1.00	1.00	9.50	557.89	0.000	0.000	509.21	0.00	0.00
33	127.00	PRK-SFS-L Brace Kit	1	30.455	33.501	1.00	1.00	6.75	314.06	0.000	0.000	361.81	0.00	0.00
34	127.00	A-ANT-23G-2-C	2	30.455	33.501	1.00	1.00	16.86	29.52	0.000	0.000	903.72	0.00	0.00
35	127.00	Low Profile Platform	1	30.455	33.501	1.00	1.00	25.00	1440.00	0.000	0.000	1340.03	0.00	0.00
36	122.00	CS72188.01 Omni	1	30.455	33.501	1.00	1.00	3.00	30.00	0.000	5.000	160.80	0.00	804.02
37	95.00	Raycap	1	28.650	31.515	1.00	1.00	2.01	26.28	0.000	0.000	101.35	0.00	0.00
38	95.00	Fujitsu TA08025-B604	3	28.650	31.515	0.50	0.75	2.95	230.04	0.000	0.000	148.99	0.00	0.00
39	95.00	Fujitsu TA08025-B605	3	28.650	31.515	0.50	0.75	2.95	270.00	0.000	0.000	148.99	0.00	0.00
40	95.00	MC-PK8-DSH	1	28.650	31.515	1.00	1.00	37.59	2072.40	0.000	0.000	1895.42	0.00	0.00
41	95.00	JMA Wireless	3	28.650	31.515	0.55	0.75	20.80	232.20	0.000	0.000	1048.60	0.00	0.00
							Totals:		**17,554.36**			**25,998.10**		

Total Applied Force Summary

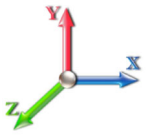
Structure:	CT02722-S-SBA		**Code:**	EIA/TIA-222-G	11/22/2021
Site Name:	Waterbury		**Exposure:**	C	
Height:	158.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 11

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 97 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



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		559.02	2113.53	0.00	0.00
10.00		547.73	2074.65	0.00	0.00
15.00		536.43	2035.77	0.00	0.00
20.00		557.19	1996.90	0.00	0.00
25.00		571.43	1958.02	0.00	0.00
30.00		580.73	1919.14	0.00	0.00
35.00		586.40	1880.26	0.00	0.00
38.50		410.62	1293.05	0.00	0.00
40.00		178.14	950.90	0.00	0.00
45.00		599.46	3123.85	0.00	0.00
50.00		598.37	1495.56	0.00	0.00
55.00		595.66	1463.97	0.00	0.00
60.00		591.57	1432.37	0.00	0.00
65.00		586.26	1400.78	0.00	0.00
70.00		579.88	1369.19	0.00	0.00
75.00		572.53	1337.60	0.00	0.00
78.00		338.70	787.39	0.00	0.00
80.00		227.14	860.00	0.00	0.00
83.50		394.86	1483.48	0.00	0.00
85.00		167.43	310.13	0.00	0.00
90.00		554.15	1017.97	0.00	0.00
95.00	(11) attachments	3887.19	3824.59	0.00	0.00
100.00		532.94	958.45	0.00	0.00
105.00		521.44	934.15	0.00	0.00
110.00		509.42	909.86	0.00	0.00
113.50		348.67	622.44	0.00	0.00
115.00		149.41	429.57	0.00	0.00
118.00		295.74	847.33	0.00	0.00
120.00		194.37	292.51	0.00	0.00
122.00	(1) attachments	353.04	319.40	0.00	804.02
125.00		284.55	427.69	0.00	0.00
127.00	(20) attachments	5543.80	3898.55	0.00	0.00
130.00		276.24	400.61	0.00	0.00
135.00		449.74	652.13	0.00	0.00
137.00	(58) attachments	8479.94	5854.01	0.00	0.00
140.00		258.92	325.44	0.00	0.00
145.00		420.18	526.85	0.00	0.00
148.00	(32) attachments	7673.77	4344.30	0.00	0.00
150.00		159.75	167.90	0.00	0.00
155.00		389.23	406.13	0.00	0.00
158.00	(1) attachments	1628.68	1674.35	0.00	0.00
	Totals:	**42,690.70**	**60,120.75**	**0.00**	**804.02**

Calculated Forces

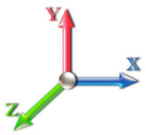
Structure:	CT02722-S-SBA	**Code:**	EIA/TIA-222-G	11/22/2021	
Site Name:	Waterbury	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 12	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 97 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



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	-60.06	-42.78	0.00	-4929.0	0.00	4929.04	6641.65	3320.83	16223.6	8123.90	0.00	0.000	0.000	0.616
5.00	-57.82	-42.38	0.00	-4715.1	0.00	4715.16	6549.09	3274.55	15672.1	7847.74	0.09	-0.163	0.000	0.610
10.00	-55.63	-41.99	0.00	-4503.2	0.00	4503.25	6454.83	3227.41	15125.8	7574.18	0.35	-0.328	0.000	0.603
15.00	-53.48	-41.59	0.00	-4293.3	0.00	4293.33	6358.86	3179.43	14585.0	7303.35	0.78	-0.496	0.000	0.596
20.00	-51.36	-41.17	0.00	-4085.3	0.00	4085.36	6261.18	3130.59	14049.8	7035.38	1.39	-0.666	0.000	0.589
25.00	-49.29	-40.72	0.00	-3879.5	0.00	3879.52	6161.80	3080.90	13520.6	6770.39	2.18	-0.839	0.000	0.581
30.00	-47.25	-40.26	0.00	-3675.9	0.00	3675.91	6060.71	3030.36	12997.7	6508.52	3.15	-1.014	0.000	0.573
35.00	-45.28	-39.75	0.00	-3474.6	0.00	3474.63	5957.92	2978.96	12481.2	6249.90	4.31	-1.191	0.000	0.564
38.50	-43.93	-39.39	0.00	-3335.4	0.00	3335.49	5884.95	2942.47	12123.6	6070.85	5.23	-1.318	0.000	0.557
40.00	-42.91	-39.27	0.00	-3276.4	0.00	3276.42	5853.42	2926.71	11971.4	5994.64	5.66	-1.374	0.000	0.554
45.00	-39.68	-38.72	0.00	-3080.0	0.00	3080.05	4462.52	2231.26	9089.55	4551.53	7.19	-1.556	0.000	0.686
50.00	-38.07	-38.21	0.00	-2886.4	0.00	2886.45	4388.93	2194.47	8721.58	4367.27	8.92	-1.739	0.000	0.670
55.00	-36.48	-37.71	0.00	-2695.3	0.00	2695.38	4313.64	2156.82	8357.61	4185.02	10.86	-1.954	0.000	0.653
60.00	-34.93	-37.20	0.00	-2506.8	0.00	2506.85	4236.64	2118.32	7997.90	4004.90	13.02	-2.170	0.000	0.634
65.00	-33.41	-36.68	0.00	-2320.8	0.00	2320.86	4157.93	2078.96	7642.72	3827.04	15.41	-2.387	0.000	0.615
70.00	-31.94	-36.16	0.00	-2137.4	0.00	2137.45	4077.51	2038.76	7292.30	3651.57	18.03	-2.604	0.000	0.593
75.00	-30.52	-35.62	0.00	-1956.6	0.00	1956.63	3995.39	1997.70	6946.91	3478.62	20.87	-2.819	0.000	0.570
78.00	-29.68	-35.30	0.00	-1849.7	0.00	1849.77	3945.30	1972.65	6742.20	3376.11	22.68	-2.950	0.000	0.556
80.00	-28.76	-35.09	0.00	-1779.1	0.00	1779.17	3911.57	1955.78	6606.80	3308.31	23.94	-3.038	0.000	0.545
83.50	-27.24	-34.66	0.00	-1656.3	0.00	1656.36	2771.30	1385.65	4677.52	2342.24	26.22	-3.188	0.000	0.718
85.00	-26.84	-34.56	0.00	-1604.3	0.00	1604.36	2755.69	1377.84	4610.09	2308.47	27.23	-3.253	0.000	0.705
90.00	-25.71	-34.06	0.00	-1431.5	0.00	1431.59	2702.54	1351.27	4386.89	2196.71	30.78	-3.509	0.000	0.662
95.00	-22.01	-30.03	0.00	-1261.3	0.00	1261.31	2647.69	1323.84	4166.29	2086.24	34.59	-3.757	0.000	0.613
100.00	-20.97	-29.52	0.00	-1111.1	0.00	1111.17	2591.13	1295.56	3948.53	1977.20	38.65	-3.996	0.000	0.571
105.00	-19.96	-29.01	0.00	-963.58	0.00	963.58	2532.86	1266.43	3733.89	1869.72	42.96	-4.227	0.000	0.524
110.00	-19.00	-28.49	0.00	-818.54	0.00	818.54	2472.89	1236.44	3522.60	1763.92	47.50	-4.445	0.000	0.472
113.50	-18.36	-28.13	0.00	-718.82	0.00	718.82	2429.89	1214.95	3376.84	1690.93	50.81	-4.591	0.000	0.433
115.00	-17.90	-27.97	0.00	-676.63	0.00	676.63	2411.21	1205.60	3314.94	1659.93	52.26	-4.652	0.000	0.416
118.00	-17.03	-27.64	0.00	-592.71	0.00	592.71	1790.62	895.31	2454.63	1229.14	55.22	-4.767	0.000	0.493
120.00	-16.72	-27.44	0.00	-537.44	0.00	537.44	1774.20	887.10	2396.85	1200.21	57.23	-4.840	0.000	0.458
122.00	-16.39	-27.09	0.00	-481.75	0.00	481.75	1757.50	878.75	2339.36	1171.42	59.28	-4.922	0.000	0.422
125.00	-15.94	-26.79	0.00	-400.48	0.00	400.48	1731.94	865.97	2253.71	1128.53	62.40	-5.032	0.000	0.365
127.00	-12.52	-20.94	0.00	-346.89	0.00	346.89	1714.56	857.28	2197.01	1100.14	64.52	-5.099	0.000	0.323
130.00	-12.11	-20.66	0.00	-284.06	0.00	284.06	1687.98	843.99	2112.62	1057.88	67.75	-5.187	0.000	0.276
135.00	-11.48	-20.16	0.00	-180.79	0.00	180.79	1642.31	821.15	1973.86	988.40	73.25	-5.304	0.000	0.191
137.00	-6.43	-11.18	0.00	-140.46	0.00	140.46	1623.56	811.78	1919.06	960.96	75.48	-5.340	0.000	0.150
140.00	-6.12	-10.90	0.00	-106.92	0.00	106.92	1594.93	797.47	1837.67	920.20	78.84	-5.384	0.000	0.120
145.00	-5.63	-10.43	0.00	-52.44	0.00	52.44	1545.85	772.93	1704.31	853.42	84.50	-5.436	0.000	0.065
148.00	-2.03	-2.38	0.00	-21.14	0.00	21.14	1515.59	757.79	1625.76	814.09	87.92	-5.452	0.000	0.027
150.00	-1.88	-2.21	0.00	-16.38	0.00	16.38	1495.07	747.53	1574.03	788.19	90.20	-5.458	0.000	0.022
155.00	-1.51	-1.78	0.00	-5.34	0.00	5.34	1442.53	721.26	1447.04	724.60	95.92	-5.467	0.000	0.008
158.00	0.00	-1.63	0.00	0.00	0.00	0.00	1400.09	700.04	1362.73	682.38	99.35	-5.468	0.000	0.000

Wind Loading - Shaft

Structure:	CT02722-S-SBA	**Code:**	EIA/TIA-222-G	11/22/2021	
Site Name:	Waterbury	**Exposure:**	C		
Height:	158.00 (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	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

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	0.85	19.450	21.40	453.89	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	19.450	21.40	444.81	0.650	0.000	5.00	25.123	16.33	559.0	0.0	1430.8
10.00		1.00	0.85	19.450	21.40	435.73	0.650	0.000	5.00	24.616	16.00	547.7	0.0	1401.6
15.00		1.00	0.85	19.450	21.40	426.65	0.650	0.000	5.00	24.108	15.67	536.4	0.0	1372.5
20.00		1.00	0.90	20.638	22.70	430.13	0.650	0.000	5.00	23.600	15.34	557.2	0.0	1343.3
25.00		1.00	0.95	21.630	23.79	430.78	0.650	0.000	5.00	23.093	15.01	571.4	0.0	1314.2
30.00		1.00	0.98	22.477	24.72	429.36	0.650	0.000	5.00	22.585	14.68	580.7	0.0	1285.0
35.00		1.00	1.01	23.218	25.54	426.47	0.650	0.000	5.00	22.077	14.35	586.4	0.0	1255.8
38.50	Bot - Section 2	1.00	1.04	23.689	26.06	423.75	0.650	0.000	3.50	15.152	9.85	410.6	0.0	861.7
40.00		1.00	1.04	23.880	26.27	422.44	0.650	0.000	1.50	6.521	4.24	178.1	0.0	666.9
45.00	Top - Section 1	1.00	1.07	24.479	26.93	417.52	0.650	0.000	5.00	21.406	13.91	599.5	0.0	2188.5
50.00		1.00	1.09	25.029	27.53	418.86	0.650	0.000	5.00	20.898	13.58	598.4	0.0	967.3
55.00		1.00	1.12	25.536	28.09	412.67	0.650	0.000	5.00	20.390	13.25	595.7	0.0	943.6
60.00		1.00	1.14	26.008	28.61	405.97	0.650	0.000	5.00	19.883	12.92	591.6	0.0	919.9
65.00		1.00	1.16	26.450	29.09	398.82	0.650	0.000	5.00	19.375	12.59	586.3	0.0	896.2
70.00		1.00	1.17	26.866	29.55	391.27	0.650	0.000	5.00	18.867	12.26	579.9	0.0	872.5
75.00		1.00	1.19	27.259	29.98	383.37	0.650	0.000	5.00	18.360	11.93	572.5	0.0	848.8
78.00	Bot - Section 3	1.00	1.20	27.485	30.23	378.48	0.650	0.000	3.00	10.772	7.00	338.7	0.0	497.9
80.00		1.00	1.21	27.632	30.39	375.16	0.650	0.000	2.00	7.186	4.67	227.1	0.0	583.3
83.50	Top - Section 2	1.00	1.22	27.882	30.67	369.25	0.650	0.000	3.50	12.379	8.05	394.9	0.0	1004.6
85.00		1.00	1.22	27.987	30.79	372.34	0.650	0.000	1.50	5.229	3.40	167.4	0.0	186.3
90.00		1.00	1.24	28.325	31.16	363.63	0.650	0.000	5.00	17.101	11.12	554.1	0.0	609.1
95.00	Appurtenance(s)	1.00	1.25	28.650	31.51	354.69	0.650	0.000	5.00	16.593	10.79	543.9	0.0	590.9
100.00		1.00	1.27	28.961	31.86	345.53	0.650	0.000	5.00	16.086	10.46	532.9	0.0	572.7
105.00		1.00	1.28	29.260	32.19	336.17	0.650	0.000	5.00	15.578	10.13	521.4	0.0	554.4
110.00		1.00	1.29	29.548	32.50	326.63	0.650	0.000	5.00	15.070	9.80	509.4	0.0	536.2
113.50	Bot - Section 4	1.00	1.30	29.743	32.72	319.85	0.650	0.000	3.50	10.247	6.66	348.7	0.0	364.5
115.00		1.00	1.30	29.826	32.81	316.92	0.650	0.000	1.50	4.379	2.85	149.4	0.0	278.3
118.00	Top - Section 3	1.00	1.31	29.988	32.99	311.01	0.650	0.000	3.00	8.621	5.60	295.7	0.0	547.8
120.00		1.00	1.32	30.094	33.10	311.75	0.650	0.000	2.00	5.646	3.67	194.4	0.0	160.9
122.00	Appurtenance(s)	1.00	1.32	30.199	33.22	307.77	0.650	0.000	2.00	5.564	3.62	192.2	0.0	158.6
125.00		1.00	1.33	30.354	33.39	301.75	0.650	0.000	3.00	8.194	5.33	284.5	0.0	233.5
127.00	Appurtenance(s)	1.00	1.33	30.455	33.50	297.71	0.650	0.000	2.00	5.361	3.48	186.8	0.0	152.7
130.00		1.00	1.34	30.605	33.67	291.61	0.650	0.000	3.00	7.890	5.13	276.2	0.0	224.7
135.00		1.00	1.35	30.850	33.93	281.33	0.650	0.000	5.00	12.743	8.28	449.7	0.0	362.9
137.00	Appurtenance(s)	1.00	1.35	30.945	34.04	277.19	0.650	0.000	2.00	4.955	3.22	175.4	0.0	141.1
140.00		1.00	1.36	31.087	34.20	270.93	0.650	0.000	3.00	7.281	4.73	258.9	0.0	207.3
145.00		1.00	1.37	31.317	34.45	260.41	0.650	0.000	5.00	11.728	7.62	420.2	0.0	333.8
148.00	Appurtenance(s)	1.00	1.37	31.452	34.60	254.05	0.650	0.000	3.00	6.793	4.42	244.4	0.0	193.3
150.00		1.00	1.38	31.541	34.70	249.78	0.650	0.000	2.00	4.427	2.88	159.7	0.0	125.9
155.00		1.00	1.39	31.760	34.94	239.04	0.650	0.000	5.00	10.713	6.96	389.2	0.0	304.6
158.00	Appurtenance(s)	1.00	1.39	31.888	35.08	232.55	0.650	0.000	3.00	6.184	4.02	225.6	0.0	175.8
								Totals:	**158.00**			**16,692.6**		**27,669.8**

Discrete Appurtenance Forces

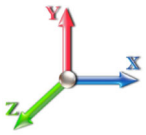
Structure:	CT02722-S-SBA	**Code:**	EIA/TIA-222-G	11/22/2021	
Site Name:	Waterbury	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 14	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



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	158.00	Low Profile Platform	1	31.888	35.077	1.00	1.00	25.00	1080.00	0.000	0.000	1403.09	0.00	0.00
2	148.00	VZWSMART-PLK3	1	31.452	34.598	1.00	1.00	12.25	462.60	0.000	0.000	678.11	0.00	0.00
3	148.00	DB844G65VTZASX	6	31.452	34.598	0.70	0.75	18.12	64.80	0.000	0.000	1003.11	0.00	0.00
4	148.00	Low Profile Platform	1	31.452	34.598	1.00	1.00	35.00	1080.00	0.000	0.000	1937.47	0.00	0.00
5	148.00	VZWSMART-PLK6	1	31.452	34.598	1.00	1.00	10.00	296.10	0.000	0.000	553.56	0.00	0.00
6	148.00	VZWSMART-PLK7	1	31.452	34.598	1.00	1.00	2.25	123.03	0.000	0.000	124.55	0.00	0.00
7	148.00	RFS FD9R6004/2C-3L	6	31.452	34.598	0.38	0.75	0.83	16.74	0.000	0.000	46.08	0.00	0.00
8	148.00	JMA Wireless	6	31.452	34.598	0.65	0.75	38.64	324.00	0.000	0.000	2139.03	0.00	0.00
9	148.00	RF4439D-25A	3	31.452	34.598	0.50	0.75	2.83	227.88	0.000	0.000	156.89	0.00	0.00
10	148.00	RF4440D-13a	3	31.452	34.598	0.50	0.75	2.83	189.81	0.000	0.000	156.89	0.00	0.00
11	148.00	Raycap	1	31.452	34.598	1.00	1.00	4.06	28.80	0.000	0.000	224.75	0.00	0.00
12	148.00	MT6407-77A	3	31.452	34.598	0.52	0.75	7.39	214.38	0.000	0.000	408.90	0.00	0.00
13	137.00	Raycap -	3	30.945	34.040	0.64	0.80	2.82	88.56	0.000	0.000	153.72	0.00	0.00
14	137.00	Ericsson - RRU A2 - RRU	3	30.945	34.040	0.54	0.80	2.99	59.40	0.000	0.000	162.89	0.00	0.00
15	137.00	Ericsson - RRUS-32 -	3	30.945	34.040	0.54	0.80	6.22	207.90	0.000	0.000	338.92	0.00	0.00
16	137.00	Quintel - QS66512-2	3	30.945	34.040	0.72	0.80	17.56	299.70	0.000	0.000	956.42	0.00	0.00
17	137.00	KMW -	3	30.945	34.040	0.60	0.80	14.44	130.95	0.000	0.000	786.24	0.00	0.00
18	137.00	Platform w/ Hand Rails	1	30.945	34.040	1.00	1.00	40.00	1800.00	0.000	0.000	2178.54	0.00	0.00
19	137.00	CCI - OPA-65R-LCUU-H6	3	30.945	34.040	0.63	0.80	18.32	197.10	0.000	0.000	997.52	0.00	0.00
20	137.00	Ericsson - RRUS 32 B2 -	3	30.945	34.040	0.54	0.80	4.41	143.10	0.000	0.000	239.96	0.00	0.00
21	137.00	Ericsson - RRUS-12 -	6	30.945	34.040	0.54	0.80	10.13	313.20	0.000	0.000	551.74	0.00	0.00
22	137.00	CCI -	6	30.945	34.040	0.54	0.80	3.67	102.60	0.000	0.000	199.68	0.00	0.00
23	137.00	Kaelus -	6	30.945	34.040	0.54	0.80	1.06	98.82	0.000	0.000	57.80	0.00	0.00
24	137.00	Ericsson - B14 4478 -	3	30.945	34.040	0.54	0.80	2.65	162.00	0.000	0.000	144.50	0.00	0.00
25	137.00	Kaelus - DBC0037F1V2-1	6	30.945	34.040	0.54	0.80	1.22	35.64	0.000	0.000	66.56	0.00	0.00
26	137.00	800 10965	3	30.945	34.040	0.62	0.80	18.89	262.98	0.000	0.000	1028.63	0.00	0.00
27	137.00	Ericsson - RRUS-11 -	6	30.945	34.040	0.54	0.80	8.10	297.00	0.000	0.000	441.39	0.00	0.00
28	127.00	NNVV-65B-R4	3	30.455	33.501	0.59	0.80	21.79	228.69	0.000	0.000	1168.06	0.00	0.00
29	127.00	ALU - 1900MHz - RRU	3	30.455	33.501	0.54	0.80	4.45	162.00	0.000	0.000	238.75	0.00	0.00
30	127.00	ALU - 800 MHz - RRU	6	30.455	33.501	0.54	0.80	8.01	286.20	0.000	0.000	429.23	0.00	0.00
31	127.00	AAHC	3	30.455	33.501	0.60	0.80	7.58	279.99	0.000	0.000	406.19	0.00	0.00
32	127.00	PRK-1245 Reinforcement	1	30.455	33.501	1.00	1.00	9.50	418.42	0.000	0.000	509.21	0.00	0.00
33	127.00	PRK-SFS-L Brace Kit	1	30.455	33.501	1.00	1.00	6.75	235.55	0.000	0.000	361.81	0.00	0.00
34	127.00	A-ANT-23G-2-C	2	30.455	33.501	1.00	1.00	16.86	22.14	0.000	0.000	903.72	0.00	0.00
35	127.00	Low Profile Platform	1	30.455	33.501	1.00	1.00	25.00	1080.00	0.000	0.000	1340.03	0.00	0.00
36	122.00	CS72188.01 Omni	1	30.455	33.501	1.00	1.00	3.00	22.50	0.000	5.000	160.80	0.00	804.02
37	95.00	Raycap	1	28.650	31.515	1.00	1.00	2.01	19.71	0.000	0.000	101.35	0.00	0.00
38	95.00	Fujitsu TA08025-B604	3	28.650	31.515	0.50	0.75	2.95	172.53	0.000	0.000	148.99	0.00	0.00
39	95.00	Fujitsu TA08025-B605	3	28.650	31.515	0.50	0.75	2.95	202.50	0.000	0.000	148.99	0.00	0.00
40	95.00	MC-PK8-DSH	1	28.650	31.515	1.00	1.00	37.59	1554.30	0.000	0.000	1895.42	0.00	0.00
41	95.00	JMA Wireless	3	28.650	31.515	0.55	0.75	20.80	174.15	0.000	0.000	1048.60	0.00	0.00
							Totals:		**13,165.77**			**25,998.10**		

Total Applied Force Summary

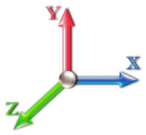
Structure:	CT02722-S-SBA		**Code:**	EIA/TIA-222-G	11/22/2021
Site Name:	Waterbury		**Exposure:**	C	
Height:	158.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 15

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



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		559.02	1585.15	0.00	0.00
10.00		547.73	1555.99	0.00	0.00
15.00		536.43	1526.83	0.00	0.00
20.00		557.19	1497.67	0.00	0.00
25.00		571.43	1468.51	0.00	0.00
30.00		580.73	1439.36	0.00	0.00
35.00		586.40	1410.20	0.00	0.00
38.50		410.62	969.79	0.00	0.00
40.00		178.14	713.17	0.00	0.00
45.00		599.46	2342.88	0.00	0.00
50.00		598.37	1121.67	0.00	0.00
55.00		595.66	1097.97	0.00	0.00
60.00		591.57	1074.28	0.00	0.00
65.00		586.26	1050.59	0.00	0.00
70.00		579.88	1026.89	0.00	0.00
75.00		572.53	1003.20	0.00	0.00
78.00		338.70	590.55	0.00	0.00
80.00		227.14	645.00	0.00	0.00
83.50		394.86	1112.61	0.00	0.00
85.00		167.43	232.60	0.00	0.00
90.00		554.15	763.48	0.00	0.00
95.00	(11) attachments	3887.19	2868.44	0.00	0.00
100.00		532.94	718.84	0.00	0.00
105.00		521.44	700.62	0.00	0.00
110.00		509.42	682.39	0.00	0.00
113.50		348.67	466.83	0.00	0.00
115.00		149.41	322.18	0.00	0.00
118.00		295.74	635.49	0.00	0.00
120.00		194.37	219.38	0.00	0.00
122.00	(1) attachments	353.04	239.55	0.00	804.02
125.00		284.55	320.76	0.00	0.00
127.00	(20) attachments	5543.80	2923.91	0.00	0.00
130.00		276.24	300.46	0.00	0.00
135.00		449.74	489.10	0.00	0.00
137.00	(58) attachments	8479.94	4390.51	0.00	0.00
140.00		258.92	244.08	0.00	0.00
145.00		420.18	395.14	0.00	0.00
148.00	(32) attachments	7673.77	3258.23	0.00	0.00
150.00		159.75	125.92	0.00	0.00
155.00		389.23	304.60	0.00	0.00
158.00	(1) attachments	1628.68	1255.76	0.00	0.00
	Totals:	**42,690.70**	**45,090.56**	**0.00**	**804.02**

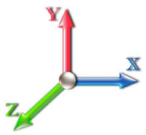
Calculated Forces

Structure:	CT02722-S-SBA	**Code:**	EIA/TIA-222-G	11/22/2021	
Site Name:	Waterbury	**Exposure:**	C		
Height:	158.00 (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: 0.9D + 1.6W 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



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	-45.03	-42.76	0.00	-4882.6	0.00	4882.69	6641.65	3320.83	16223.6	8123.90	0.00	0.000	0.000	0.608
5.00	-43.32	-42.32	0.00	-4668.9	0.00	4668.91	6549.09	3274.55	15672.1	7847.74	0.09	-0.161	0.000	0.602
10.00	-41.65	-41.88	0.00	-4457.3	0.00	4457.33	6454.83	3227.41	15125.8	7574.18	0.34	-0.325	0.000	0.595
15.00	-40.01	-41.45	0.00	-4247.9	0.00	4247.92	6358.86	3179.43	14585.0	7303.35	0.77	-0.491	0.000	0.588
20.00	-38.39	-40.99	0.00	-4040.6	0.00	4040.67	6261.18	3130.59	14049.8	7035.38	1.38	-0.659	0.000	0.581
25.00	-36.81	-40.51	0.00	-3835.7	0.00	3835.70	6161.80	3080.90	13520.6	6770.39	2.16	-0.830	0.000	0.573
30.00	-35.26	-40.02	0.00	-3633.1	0.00	3633.13	6060.71	3030.36	12997.7	6508.52	3.12	-1.003	0.000	0.564
35.00	-33.76	-39.49	0.00	-3433.0	0.00	3433.05	5957.92	2978.96	12481.2	6249.90	4.27	-1.179	0.000	0.555
38.50	-32.74	-39.11	0.00	-3294.8	0.00	3294.82	5884.95	2942.47	12123.6	6070.85	5.18	-1.304	0.000	0.548
40.00	-31.95	-38.98	0.00	-3236.1	0.00	3236.16	5853.42	2926.71	11971.4	5994.64	5.60	-1.359	0.000	0.545
45.00	-29.50	-38.42	0.00	-3041.2	0.00	3041.24	4462.52	2231.26	9089.55	4551.53	7.12	-1.538	0.000	0.675
50.00	-28.26	-37.89	0.00	-2849.1	0.00	2849.15	4388.93	2194.47	8721.58	4367.27	8.83	-1.719	0.000	0.659
55.00	-27.05	-37.36	0.00	-2659.7	0.00	2659.72	4313.64	2156.82	8357.61	4185.02	10.74	-1.932	0.000	0.642
60.00	-25.86	-36.82	0.00	-2472.9	0.00	2472.94	4236.64	2118.32	7997.90	4004.90	12.88	-2.145	0.000	0.624
65.00	-24.70	-36.29	0.00	-2288.8	0.00	2288.83	4157.93	2078.96	7642.72	3827.04	15.24	-2.359	0.000	0.604
70.00	-23.56	-35.75	0.00	-2107.3	0.00	2107.39	4077.51	2038.76	7292.30	3651.57	17.83	-2.572	0.000	0.583
75.00	-22.48	-35.20	0.00	-1928.6	0.00	1928.62	3995.39	1997.70	6946.91	3478.62	20.63	-2.785	0.000	0.560
78.00	-21.84	-34.87	0.00	-1823.0	0.00	1823.02	3945.30	1972.65	6742.20	3376.11	22.43	-2.914	0.000	0.546
80.00	-21.14	-34.66	0.00	-1753.2	0.00	1753.27	3911.57	1955.78	6606.80	3308.31	23.67	-3.000	0.000	0.536
83.50	-19.99	-34.24	0.00	-1631.9	0.00	1631.97	2771.30	1385.65	4677.52	2342.24	25.92	-3.148	0.000	0.705
85.00	-19.67	-34.12	0.00	-1580.6	0.00	1580.61	2755.69	1377.84	4610.09	2308.47	26.92	-3.213	0.000	0.692
90.00	-18.79	-33.60	0.00	-1410.0	0.00	1410.03	2702.54	1351.27	4386.89	2196.71	30.42	-3.464	0.000	0.649
95.00	-16.05	-29.61	0.00	-1242.0	0.00	1242.04	2647.69	1323.84	4166.29	2086.24	34.18	-3.708	0.000	0.602
100.00	-15.25	-29.09	0.00	-1094.0	0.00	1094.00	2591.13	1295.56	3948.53	1977.20	38.19	-3.944	0.000	0.560
105.00	-14.48	-28.58	0.00	-948.55	0.00	948.55	2532.86	1266.43	3733.89	1869.72	42.44	-4.171	0.000	0.514
110.00	-13.75	-28.06	0.00	-805.67	0.00	805.67	2472.89	1236.44	3522.60	1763.92	46.92	-4.386	0.000	0.463
113.50	-13.26	-27.70	0.00	-707.46	0.00	707.46	2429.89	1214.95	3376.84	1690.93	50.19	-4.530	0.000	0.424
115.00	-12.91	-27.55	0.00	-665.91	0.00	665.91	2411.21	1205.60	3314.94	1659.93	51.62	-4.590	0.000	0.407
118.00	-12.26	-27.22	0.00	-583.27	0.00	583.27	1790.62	895.31	2454.63	1229.14	54.54	-4.703	0.000	0.482
120.00	-12.02	-27.02	0.00	-528.84	0.00	528.84	1774.20	887.10	2396.85	1200.21	56.53	-4.775	0.000	0.448
122.00	-11.77	-26.67	0.00	-473.99	0.00	473.99	1757.50	878.75	2339.36	1171.42	58.54	-4.855	0.000	0.412
125.00	-11.43	-26.38	0.00	-393.98	0.00	393.98	1731.94	865.97	2253.71	1128.53	61.63	-4.964	0.000	0.357
127.00	-8.97	-20.61	0.00	-341.22	0.00	341.22	1714.56	857.28	2197.01	1100.14	63.72	-5.030	0.000	0.316
130.00	-8.66	-20.33	0.00	-279.39	0.00	279.39	1687.98	843.99	2112.62	1057.88	66.91	-5.117	0.000	0.270
135.00	-8.19	-19.84	0.00	-177.77	0.00	177.77	1642.31	821.15	1973.86	988.40	72.33	-5.231	0.000	0.185
137.00	-4.59	-11.00	0.00	-138.08	0.00	138.08	1623.56	811.78	1919.06	960.96	74.52	-5.267	0.000	0.147
140.00	-4.36	-10.72	0.00	-105.08	0.00	105.08	1594.93	797.47	1837.67	920.20	77.84	-5.310	0.000	0.117
145.00	-4.00	-10.27	0.00	-51.46	0.00	51.46	1545.85	772.93	1704.31	853.42	83.43	-5.361	0.000	0.063
148.00	-1.47	-2.33	0.00	-20.65	0.00	20.65	1515.59	757.79	1625.76	814.09	86.80	-5.376	0.000	0.026
150.00	-1.36	-2.16	0.00	-16.00	0.00	16.00	1495.07	747.53	1574.03	788.19	89.05	-5.382	0.000	0.021
155.00	-1.10	-1.74	0.00	-5.22	0.00	5.22	1442.53	721.26	1447.04	724.60	94.68	-5.391	0.000	0.008
158.00	0.00	-1.63	0.00	0.00	0.00	0.00	1400.09	700.04	1362.73	682.38	98.06	-5.393	0.000	0.000

Wind Loading - Shaft

Structure:	CT02722-S-SBA	**Code:**	EIA/TIA-222-G	11/22/2021	
Site Name:	Waterbury	**Exposure:**	C		
Height:	158.00 (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	

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 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	0.85	5.168	5.68	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	5.168	5.68	0.00	1.200	1.242	5.00	26.158	31.39	178.4	467.0	2374.8
10.00		1.00	0.85	5.168	5.68	0.00	1.200	1.331	5.00	25.725	30.87	175.5	491.3	2360.1
15.00		1.00	0.85	5.168	5.68	0.00	1.200	1.386	5.00	25.263	30.32	172.3	501.7	2331.6
20.00		1.00	0.90	5.483	6.03	0.00	1.200	1.427	5.00	24.789	29.75	179.4	505.9	2297.0
25.00		1.00	0.95	5.747	6.32	0.00	1.200	1.459	5.00	24.308	29.17	184.4	506.7	2258.9
30.00		1.00	0.98	5.972	6.57	0.00	1.200	1.486	5.00	23.823	28.59	187.8	505.1	2218.4
35.00		1.00	1.01	6.169	6.79	0.00	1.200	1.509	5.00	23.335	28.00	190.0	501.8	2176.2
38.50	Bot - Section 2	1.00	1.04	6.294	6.92	0.00	1.200	1.523	3.50	16.041	19.25	133.3	349.1	1498.1
40.00		1.00	1.04	6.345	6.98	0.00	1.200	1.529	1.50	6.903	8.28	57.8	151.5	1040.6
45.00	Top - Section 1	1.00	1.07	6.504	7.15	0.00	1.200	1.547	5.00	22.695	27.23	194.9	499.5	3417.5
50.00		1.00	1.09	6.650	7.32	0.00	1.200	1.564	5.00	22.201	26.64	194.9	493.2	1782.9
55.00		1.00	1.12	6.785	7.46	0.00	1.200	1.579	5.00	21.706	26.05	194.4	486.2	1744.4
60.00		1.00	1.14	6.910	7.60	0.00	1.200	1.592	5.00	21.210	25.45	193.5	478.6	1705.2
65.00		1.00	1.16	7.028	7.73	0.00	1.200	1.605	5.00	20.713	24.86	192.1	470.5	1665.5
70.00		1.00	1.17	7.138	7.85	0.00	1.200	1.617	5.00	20.215	24.26	190.5	462.0	1625.4
75.00		1.00	1.19	7.243	7.97	0.00	1.200	1.628	5.00	19.717	23.66	188.5	453.0	1584.8
78.00	Bot - Section 3	1.00	1.20	7.303	8.03	0.00	1.200	1.635	3.00	11.589	13.91	111.7	268.5	932.4
80.00		1.00	1.21	7.342	8.08	0.00	1.200	1.639	2.00	7.732	9.28	74.9	180.1	957.7
83.50	Top - Section 2	1.00	1.22	7.408	8.15	0.00	1.200	1.646	3.50	13.340	16.01	130.4	310.5	1649.9
85.00		1.00	1.22	7.436	8.18	0.00	1.200	1.649	1.50	5.642	6.77	55.4	132.2	380.6
90.00		1.00	1.24	7.526	8.28	0.00	1.200	1.658	5.00	18.483	22.18	183.6	430.8	1242.9
95.00	Appurtenance(s)	1.00	1.25	7.612	8.37	0.00	1.200	1.667	5.00	17.983	21.58	180.7	420.7	1208.5
100.00		1.00	1.27	7.695	8.46	0.00	1.200	1.676	5.00	17.482	20.98	177.6	410.3	1173.9
105.00		1.00	1.28	7.774	8.55	0.00	1.200	1.684	5.00	16.981	20.38	174.3	399.7	1139.0
110.00		1.00	1.29	7.851	8.64	0.00	1.200	1.692	5.00	16.480	19.78	170.8	389.0	1103.9
113.50	Bot - Section 4	1.00	1.30	7.903	8.69	0.00	1.200	1.697	3.50	11.237	13.48	117.2	266.9	752.9
115.00		1.00	1.30	7.925	8.72	0.00	1.200	1.699	1.50	4.804	5.76	50.3	115.0	486.1
118.00	Top - Section 3	1.00	1.31	7.968	8.76	0.00	1.200	1.704	3.00	9.473	11.37	99.6	226.0	956.4
120.00		1.00	1.32	7.996	8.80	0.00	1.200	1.707	2.00	6.215	7.46	65.6	148.9	363.4
122.00	Appurtenance(s)	1.00	1.32	8.024	8.83	0.00	1.200	1.710	2.00	6.134	7.36	65.0	147.1	358.5
125.00		1.00	1.33	8.065	8.87	0.00	1.200	1.714	3.00	9.051	10.86	96.4	216.5	527.9
127.00	Appurtenance(s)	1.00	1.33	8.092	8.90	0.00	1.200	1.716	2.00	5.934	7.12	63.4	142.5	346.2
130.00		1.00	1.34	8.132	8.95	0.00	1.200	1.720	3.00	8.750	10.50	93.9	209.7	509.3
135.00		1.00	1.35	8.197	9.02	0.00	1.200	1.727	5.00	14.183	17.02	153.5	337.9	821.8
137.00	Appurtenance(s)	1.00	1.35	8.222	9.04	0.00	1.200	1.729	2.00	5.532	6.64	60.0	133.3	321.4
140.00		1.00	1.36	8.260	9.09	0.00	1.200	1.733	3.00	8.147	9.78	88.8	195.7	472.0
145.00		1.00	1.37	8.321	9.15	0.00	1.200	1.739	5.00	13.178	15.81	144.7	314.3	759.3
148.00	Appurtenance(s)	1.00	1.37	8.357	9.19	0.00	1.200	1.743	3.00	7.665	9.20	84.6	184.3	441.9
150.00		1.00	1.38	8.381	9.22	0.00	1.200	1.745	2.00	5.009	6.01	55.4	120.9	288.8
155.00		1.00	1.39	8.439	9.28	0.00	1.200	1.751	5.00	12.172	14.61	135.6	290.2	696.3
158.00	Appurtenance(s)	1.00	1.39	8.473	9.32	0.00	1.200	1.754	3.00	7.061	8.47	79.0	169.7	404.1
								Totals:	**158.00**			**5,520.1**		**50,376.5**

Discrete Appurtenance Forces

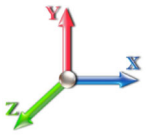
Structure:	CT02722-S-SBA	**Code:**	EIA/TIA-222-G	11/22/2021	
Site Name:	Waterbury	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 18	

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 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	158.00	Low Profile Platform	1	8.473	9.320	1.00	1.00	46.05	2192.58	0.000	0.000	429.21	0.00	0.00
2	148.00	VZWSMART-PLK3	1	8.357	9.193	1.00	1.00	24.21	1739.97	0.000	0.000	222.52	0.00	0.00
3	148.00	DB844G65VTZASX	6	8.357	9.193	0.70	0.75	26.41	1021.17	0.000	0.000	242.82	0.00	0.00
4	148.00	Low Profile Platform	1	8.357	9.193	1.00	1.00	64.28	2185.72	0.000	0.000	590.91	0.00	0.00
5	148.00	VZWSMART-PLK6	1	8.357	9.193	1.00	1.00	20.46	708.52	0.000	0.000	188.06	0.00	0.00
6	148.00	VZWSMART-PLK7	1	8.357	9.193	1.00	1.00	4.60	294.54	0.000	0.000	42.31	0.00	0.00
7	148.00	RFS FD9R6004/2C-3L	6	8.357	9.193	0.38	0.75	1.86	56.61	0.000	0.000	17.06	0.00	0.00
8	148.00	JMA Wireless	6	8.357	9.193	0.65	0.75	44.02	2043.35	0.000	0.000	404.66	0.00	0.00
9	148.00	RF4439D-25A	3	8.357	9.193	0.50	0.75	3.66	351.81	0.000	0.000	33.68	0.00	0.00
10	148.00	RF4440D-13a	3	8.357	9.193	0.50	0.75	3.66	363.99	0.000	0.000	33.68	0.00	0.00
11	148.00	Raycap	1	8.357	9.193	1.00	1.00	4.88	126.97	0.000	0.000	44.87	0.00	0.00
12	148.00	MT6407-77A	3	8.357	9.193	0.52	0.75	8.88	643.88	0.000	0.000	81.60	0.00	0.00
13	137.00	Raycap -	3	8.222	9.044	0.64	0.80	4.15	257.56	0.000	0.000	37.57	0.00	0.00
14	137.00	Ericsson - RRU A2 - RRU	3	8.222	9.044	0.54	0.80	4.54	162.41	0.000	0.000	41.09	0.00	0.00
15	137.00	Ericsson - RRUS-32 -	3	8.222	9.044	0.54	0.80	6.59	614.27	0.000	0.000	59.61	0.00	0.00
16	137.00	Quintel - QS66512-2	3	8.222	9.044	0.72	0.80	20.33	998.92	0.000	0.000	183.88	0.00	0.00
17	137.00	KMW -	3	8.222	9.044	0.60	0.80	19.42	517.54	0.000	0.000	175.64	0.00	0.00
18	137.00	Platform w/ Hand Rails	1	8.222	9.044	1.00	1.00	60.75	3875.36	0.000	0.000	549.48	0.00	0.00
19	137.00	CCI - OPA-65R-LCUU-H6	3	8.222	9.044	0.63	0.80	20.88	950.74	0.000	0.000	188.86	0.00	0.00
20	137.00	Ericsson - RRUS 32 B2 -	3	8.222	9.044	0.54	0.80	5.57	451.87	0.000	0.000	50.34	0.00	0.00
21	137.00	Ericsson - RRUS-12 -	6	8.222	9.044	0.54	0.80	12.40	983.64	0.000	0.000	112.20	0.00	0.00
22	137.00	CCI -	6	8.222	9.044	0.54	0.80	6.12	241.96	0.000	0.000	55.34	0.00	0.00
23	137.00	Kaelus -	6	8.222	9.044	0.54	0.80	2.00	247.78	0.000	0.000	18.10	0.00	0.00
24	137.00	Ericsson - B14 4478 -	3	8.222	9.044	0.54	0.80	3.48	314.12	0.000	0.000	31.47	0.00	0.00
25	137.00	Kaelus - DBC0037F1V2-1	6	8.222	9.044	0.54	0.80	2.68	91.78	0.000	0.000	24.20	0.00	0.00
26	137.00	800 10965	3	8.222	9.044	0.60	0.80	27.68	1235.83	0.000	0.000	250.32	0.00	0.00
27	137.00	Ericsson - RRUS-11 -	6	8.222	9.044	0.54	0.80	10.12	787.43	0.000	0.000	91.55	0.00	0.00
28	127.00	NNVV-65B-R4	3	8.092	8.901	0.60	0.80	24.66	1051.42	0.000	0.000	219.54	0.00	0.00
29	127.00	ALU - 1900MHz - RRU	3	8.092	8.901	0.54	0.80	6.56	390.47	0.000	0.000	58.36	0.00	0.00
30	127.00	ALU - 800 MHz - RRU	6	8.092	8.901	0.54	0.80	11.63	691.44	0.000	0.000	103.48	0.00	0.00
31	127.00	AAHC	3	8.092	8.901	0.60	0.80	9.01	609.95	0.000	0.000	80.24	0.00	0.00
32	127.00	PRK-1245 Reinforcement	1	8.092	8.901	1.00	1.00	19.28	781.99	0.000	0.000	171.65	0.00	0.00
33	127.00	PRK-SFS-L Brace Kit	1	8.092	8.901	1.00	1.00	13.24	315.29	0.000	0.000	117.84	0.00	0.00
34	127.00	A-ANT-23G-2-C	2	8.092	8.901	1.00	1.00	20.22	-52.34	0.000	0.000	179.96	0.00	0.00
35	127.00	Low Profile Platform	1	8.092	8.901	1.00	1.00	45.60	2169.84	0.000	0.000	405.87	0.00	0.00
36	122.00	CS72188.01 Omni	1	8.092	8.901	1.00	1.00	6.53	82.80	0.000	5.000	58.15	0.00	290.74
37	95.00	Raycap	1	7.612	8.374	1.00	1.00	2.55	64.45	0.000	0.000	21.38	0.00	0.00
38	95.00	Fujitsu TA08025-B604	3	7.612	8.374	0.50	0.75	3.76	338.85	0.000	0.000	31.51	0.00	0.00
39	95.00	Fujitsu TA08025-B605	3	7.612	8.374	0.50	0.75	3.76	382.11	0.000	0.000	31.51	0.00	0.00
40	95.00	MC-PK8-DSH	1	7.612	8.374	1.00	1.00	82.71	3311.87	0.000	0.000	692.62	0.00	0.00
41	95.00	JMA Wireless	3	7.612	8.374	0.55	0.75	23.13	864.25	0.000	0.000	193.65	0.00	0.00
							Totals:		**34,462.72**			**6,566.76**		

Total Applied Force Summary

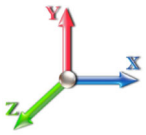
Structure:	CT02722-S-SBA		**Code:**	EIA/TIA-222-G	11/22/2021
Site Name:	Waterbury		**Exposure:**	C	
Height:	158.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 19

IES 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 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		178.45	2580.56	0.00	0.00
10.00		175.49	2565.93	0.00	0.00
15.00		172.34	2537.43	0.00	0.00
20.00		179.43	2502.82	0.00	0.00
25.00		184.41	2464.68	0.00	0.00
30.00		187.80	2424.19	0.00	0.00
35.00		190.02	2382.03	0.00	0.00
38.50		133.27	1642.14	0.00	0.00
40.00		57.82	1102.39	0.00	0.00
45.00		194.85	3623.36	0.00	0.00
50.00		194.89	1988.76	0.00	0.00
55.00		194.40	1950.17	0.00	0.00
60.00		193.47	1910.99	0.00	0.00
65.00		192.15	1871.30	0.00	0.00
70.00		190.48	1831.16	0.00	0.00
75.00		188.50	1790.64	0.00	0.00
78.00		111.72	1055.90	0.00	0.00
80.00		74.93	1040.07	0.00	0.00
83.50		130.45	1793.94	0.00	0.00
85.00		55.38	442.31	0.00	0.00
90.00		183.62	1448.74	0.00	0.00
95.00	(11) attachments	1151.35	6375.86	0.00	0.00
100.00		177.57	1368.76	0.00	0.00
105.00		174.27	1333.89	0.00	0.00
110.00		170.79	1298.82	0.00	0.00
113.50		117.22	889.35	0.00	0.00
115.00		50.25	544.56	0.00	0.00
118.00		99.63	1073.33	0.00	0.00
120.00		65.59	441.39	0.00	0.00
122.00	(1) attachments	123.12	519.28	0.00	290.74
125.00		96.36	644.23	0.00	0.00
127.00	(20) attachments	1400.31	6381.84	0.00	0.00
130.00		93.92	610.29	0.00	0.00
135.00		153.45	990.00	0.00	0.00
137.00	(58) attachments	1929.68	12119.88	0.00	0.00
140.00		88.83	521.12	0.00	0.00
145.00		144.74	841.12	0.00	0.00
148.00	(32) attachments	1986.72	10027.58	0.00	0.00
150.00		55.41	288.81	0.00	0.00
155.00		135.58	696.30	0.00	0.00
158.00	(1) attachments	508.18	2596.64	0.00	0.00
	Totals:	**12,086.83**	**90,512.54**	**0.00**	**290.74**

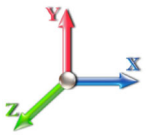
Calculated Forces

Structure:	CT02722-S-SBA	**Code:**	EIA/TIA-222-G	11/22/2021	
Site Name:	Waterbury	**Exposure:**	C		
Height:	158.00 (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	

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

Dead Load Factor 1.20

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	-90.51	-12.12	0.00	-1392.0	0.00	1392.07	6641.65	3320.83	16223.6	8123.90	0.00	0.000	0.000	0.185
5.00	-87.92	-12.01	0.00	-1331.4	0.00	1331.46	6549.09	3274.55	15672.1	7847.74	0.02	-0.046	0.000	0.183
10.00	-85.34	-11.91	0.00	-1271.3	0.00	1271.39	6454.83	3227.41	15125.8	7574.18	0.10	-0.093	0.000	0.181
15.00	-82.80	-11.80	0.00	-1211.8	0.00	1211.86	6358.86	3179.43	14585.0	7303.35	0.22	-0.140	0.000	0.179
20.00	-80.28	-11.68	0.00	-1152.8	0.00	1152.87	6261.18	3130.59	14049.8	7035.38	0.39	-0.188	0.000	0.177
25.00	-77.81	-11.55	0.00	-1094.4	0.00	1094.48	6161.80	3080.90	13520.6	6770.39	0.62	-0.237	0.000	0.174
30.00	-75.38	-11.42	0.00	-1036.7	0.00	1036.72	6060.71	3030.36	12997.7	6508.52	0.89	-0.286	0.000	0.172
35.00	-72.99	-11.27	0.00	-979.63	0.00	979.63	5957.92	2978.96	12481.2	6249.90	1.22	-0.336	0.000	0.169
38.50	-71.34	-11.16	0.00	-940.19	0.00	940.19	5884.95	2942.47	12123.6	6070.85	1.48	-0.372	0.000	0.167
40.00	-70.23	-11.13	0.00	-923.45	0.00	923.45	5853.42	2926.71	11971.4	5994.64	1.60	-0.388	0.000	0.166
45.00	-66.60	-10.97	0.00	-867.78	0.00	867.78	4462.52	2231.26	9089.55	4551.53	2.03	-0.439	0.000	0.206
50.00	-64.60	-10.83	0.00	-812.91	0.00	812.91	4388.93	2194.47	8721.58	4367.27	2.52	-0.491	0.000	0.201
55.00	-62.64	-10.68	0.00	-758.78	0.00	758.78	4313.64	2156.82	8357.61	4185.02	3.06	-0.551	0.000	0.196
60.00	-60.72	-10.53	0.00	-705.38	0.00	705.38	4236.64	2118.32	7997.90	4004.90	3.67	-0.612	0.000	0.190
65.00	-58.84	-10.38	0.00	-652.73	0.00	652.73	4157.93	2078.96	7642.72	3827.04	4.35	-0.673	0.000	0.185
70.00	-57.00	-10.23	0.00	-600.82	0.00	600.82	4077.51	2038.76	7292.30	3651.57	5.09	-0.734	0.000	0.179
75.00	-55.21	-10.06	0.00	-549.68	0.00	549.68	3995.39	1997.70	6946.91	3478.62	5.89	-0.794	0.000	0.172
78.00	-54.15	-9.97	0.00	-519.49	0.00	519.49	3945.30	1972.65	6742.20	3376.11	6.40	-0.831	0.000	0.168
80.00	-53.10	-9.91	0.00	-499.56	0.00	499.56	3911.57	1955.78	6606.80	3308.31	6.75	-0.856	0.000	0.165
83.50	-51.31	-9.78	0.00	-464.89	0.00	464.89	2771.30	1385.65	4677.52	2342.24	7.40	-0.898	0.000	0.217
85.00	-50.86	-9.75	0.00	-450.23	0.00	450.23	2755.69	1377.84	4610.09	2308.47	7.68	-0.916	0.000	0.214
90.00	-49.40	-9.61	0.00	-401.46	0.00	401.46	2702.54	1351.27	4386.89	2196.71	8.68	-0.988	0.000	0.201
95.00	-43.03	-8.39	0.00	-353.43	0.00	353.43	2647.69	1323.84	4166.29	2086.24	9.75	-1.057	0.000	0.186
100.00	-41.66	-8.24	0.00	-311.47	0.00	311.47	2591.13	1295.56	3948.53	1977.20	10.90	-1.125	0.000	0.174
105.00	-40.32	-8.08	0.00	-270.28	0.00	270.28	2532.86	1266.43	3733.89	1869.72	12.11	-1.189	0.000	0.161
110.00	-39.02	-7.92	0.00	-229.88	0.00	229.88	2472.89	1236.44	3522.60	1763.92	13.39	-1.251	0.000	0.146
113.50	-38.13	-7.80	0.00	-202.17	0.00	202.17	2429.89	1214.95	3376.84	1690.93	14.32	-1.292	0.000	0.135
115.00	-37.58	-7.75	0.00	-190.48	0.00	190.48	2411.21	1205.60	3314.94	1659.93	14.73	-1.309	0.000	0.130
118.00	-36.51	-7.65	0.00	-167.22	0.00	167.22	1790.62	895.31	2454.63	1229.14	15.56	-1.341	0.000	0.157
120.00	-36.07	-7.58	0.00	-151.93	0.00	151.93	1774.20	887.10	2396.85	1200.21	16.13	-1.362	0.000	0.147
122.00	-35.55	-7.46	0.00	-136.47	0.00	136.47	1757.50	878.75	2339.36	1171.42	16.71	-1.385	0.000	0.137
125.00	-34.90	-7.37	0.00	-114.08	0.00	114.08	1731.94	865.97	2253.71	1128.53	17.59	-1.416	0.000	0.121
127.00	-28.55	-5.82	0.00	-99.35	0.00	99.35	1714.56	857.28	2197.01	1100.14	18.18	-1.435	0.000	0.107
130.00	-27.94	-5.73	0.00	-81.89	0.00	81.89	1687.98	843.99	2112.62	1057.88	19.09	-1.461	0.000	0.094
135.00	-26.96	-5.56	0.00	-53.26	0.00	53.26	1642.31	821.15	1973.86	988.40	20.64	-1.495	0.000	0.070
137.00	-14.89	-3.31	0.00	-42.15	0.00	42.15	1623.56	811.78	1919.06	960.96	21.27	-1.505	0.000	0.053
140.00	-14.37	-3.21	0.00	-32.21	0.00	32.21	1594.93	797.47	1837.67	920.20	22.22	-1.519	0.000	0.044
145.00	-13.53	-3.05	0.00	-16.13	0.00	16.13	1545.85	772.93	1704.31	853.42	23.82	-1.534	0.000	0.028
148.00	-3.56	-0.80	0.00	-6.98	0.00	6.98	1515.59	757.79	1625.76	814.09	24.79	-1.539	0.000	0.011
150.00	-3.27	-0.73	0.00	-5.39	0.00	5.39	1495.07	747.53	1574.03	788.19	25.43	-1.541	0.000	0.009
155.00	-2.58	-0.58	0.00	-1.73	0.00	1.73	1442.53	721.26	1447.04	724.60	27.05	-1.544	0.000	0.004
158.00	0.00	-0.51	0.00	0.00	0.00	0.00	1400.09	700.04	1362.73	682.38	28.02	-1.545	0.000	0.000

Seismic Segment Forces (Factored)

Structure:	CT02722-S-SBA	**Code:**	EIA/TIA-222-G	11/22/2021	
Site Name:	Waterbury	**Exposure:**	C		
Height:	158.00 (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:	1.2D + 1.0E					**Iterations**	21
Gust Response Factor	1.10			**Sds**	0.20	**Ss**	0.19
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.10	**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.37	**SA**	0.04	**Seismic Importance Factor**	1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		1589.7	0.00	0.03	0.02	29.38	
10.00		1557.3	0.01	0.05	0.03	42.28	
15.00		1524.9	0.02	0.06	0.04	48.16	
20.00		1492.5	0.03	0.07	0.04	50.63	
25.00		1460.1	0.05	0.07	0.04	51.50	
30.00		1427.7	0.07	0.07	0.04	51.72	
35.00		1395.3	0.09	0.07	0.04	51.75	
38.50	Bot - Section 2	957.49	0.11	0.07	0.04	36.07	
40.00		740.96	0.12	0.07	0.03	28.10	
45.00	Top - Section 1	2431.7	0.15	0.07	0.03	93.97	
50.00		1074.7	0.19	0.06	0.02	41.89	
55.00		1048.4	0.23	0.06	0.02	40.35	
60.00		1022.1	0.27	0.05	0.01	37.40	
65.00		995.81	0.32	0.04	0.01	32.49	
70.00		969.48	0.37	0.03	0.01	25.18	
75.00		943.15	0.43	0.01	0.01	15.41	
78.00	Bot - Section 3	553.26	0.46	0.00	0.01	5.13	
80.00		648.06	0.48	-0.01	0.01	2.69	
83.50	Top - Section 2	1116.1	0.53	-0.03	0.01	-5.80	
85.00		206.99	0.55	-0.03	0.01	-1.91	
90.00		676.80	0.61	-0.06	0.02	-14.70	
95.00	Appurtenance(s)	3015.6	0.68	-0.08	0.03	-94.74	
100.00		636.30	0.76	-0.10	0.04	-23.52	
105.00		616.05	0.83	-0.12	0.06	-23.26	
110.00		595.80	0.92	-0.12	0.09	-20.04	
113.50	Bot - Section 4	405.01	0.98	-0.12	0.12	-11.28	
115.00		309.25	1.00	-0.11	0.13	-7.62	
118.00	Top - Section 3	608.66	1.05	-0.09	0.16	-10.30	
120.00		178.79	1.09	-0.08	0.18	-1.94	
122.00	Appurtenance(s)	201.20	1.13	-0.05	0.20	-0.80	
125.00		259.44	1.18	-0.01	0.24	2.01	
127.00	Appurtenance(s)	3184.1	1.22	0.03	0.27	52.59	
130.00		249.72	1.28	0.09	0.32	7.77	
135.00		403.24	1.38	0.25	0.41	23.91	
137.00	Appurtenance(s)	4822.2	1.42	0.32	0.45	346.90	
140.00		230.28	1.48	0.46	0.52	21.27	
145.00		370.84	1.59	0.75	0.66	48.39	
148.00	Appurtenance(s)	3579.3	1.66	0.97	0.75	557.55	
150.00		139.91	1.70	1.14	0.82	24.30	
155.00		338.44	1.82	1.63	1.01	75.16	
158.00	Appurtenance(s)	1395.2	1.89	1.98	1.14	353.93	
	Totals:	**45,372.9**				**1,982.0**	**Total Wind:** **42,690.7**

Seismic Base Shear is Less Than 50% of Wind Force - An Analysis is NOT Required

Calculated Forces

Structure:	CT02722-S-SBA	**Code:**	EIA/TIA-222-G	11/22/2021	
Site Name:	Waterbury	**Exposure:**	C		
Height:	158.00 (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	

Tower Engineering Solutions

Load Case:	1.2D + 1.0E							**Iterations**	21
Gust Response Factor	1.10			**Sds**	0.20			**Ss**	0.19
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.37	**SA**	0.04	**Seismic Importance Factor**			1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-60.12	-2.20	0.00	-258.34	0.00	258.34	6641.65	3320.83	16223.6	8123.90		0.00	0.00	0.041
5.00	-58.01	-2.18	0.00	-247.33	0.00	247.33	6549.09	3274.55	15672.1	7847.74		0.00	-0.01	0.040
10.00	-55.93	-2.15	0.00	-236.42	0.00	236.42	6454.83	3227.41	15125.8	7574.18		0.02	-0.02	0.040
15.00	-53.90	-2.11	0.00	-225.69	0.00	225.69	6358.86	3179.43	14585.0	7303.35		0.04	-0.03	0.039
20.00	-51.90	-2.06	0.00	-215.16	0.00	215.16	6261.18	3130.59	14049.8	7035.38		0.07	-0.03	0.039
25.00	-49.94	-2.02	0.00	-204.84	0.00	204.84	6161.80	3080.90	13520.6	6770.39		0.11	-0.04	0.038
30.00	-48.02	-1.97	0.00	-194.75	0.00	194.75	6060.71	3030.36	12997.7	6508.52		0.17	-0.05	0.038
35.00	-46.14	-1.93	0.00	-184.89	0.00	184.89	5957.92	2978.96	12481.2	6249.90		0.23	-0.06	0.037
38.50	-44.85	-1.89	0.00	-178.15	0.00	178.15	5884.95	2942.47	12123.6	6070.85		0.28	-0.07	0.037
40.00	-43.90	-1.87	0.00	-175.32	0.00	175.32	5853.42	2926.71	11971.4	5994.64		0.30	-0.07	0.037
45.00	-40.77	-1.78	0.00	-165.98	0.00	165.98	4462.52	2231.26	9089.55	4551.53		0.38	-0.08	0.046
50.00	-39.28	-1.74	0.00	-157.10	0.00	157.10	4388.93	2194.47	8721.58	4367.27		0.47	-0.09	0.045
55.00	-37.81	-1.70	0.00	-148.41	0.00	148.41	4313.64	2156.82	8357.61	4185.02		0.57	-0.10	0.044
60.00	-36.38	-1.67	0.00	-139.88	0.00	139.88	4236.64	2118.32	7997.90	4004.90		0.69	-0.12	0.044
65.00	-34.98	-1.64	0.00	-131.53	0.00	131.53	4157.93	2078.96	7642.72	3827.04		0.82	-0.13	0.043
70.00	-33.61	-1.62	0.00	-123.31	0.00	123.31	4077.51	2038.76	7292.30	3651.57		0.96	-0.14	0.042
75.00	-32.27	-1.61	0.00	-115.19	0.00	115.19	3995.39	1997.70	6946.91	3478.62		1.11	-0.15	0.041
78.00	-31.48	-1.61	0.00	-110.37	0.00	110.37	3945.30	1972.65	6742.20	3376.11		1.21	-0.16	0.041
80.00	-30.62	-1.60	0.00	-107.15	0.00	107.15	3911.57	1955.78	6606.80	3308.31		1.28	-0.17	0.040
83.50	-29.14	-1.60	0.00	-101.54	0.00	101.54	2771.30	1385.65	4677.52	2342.24		1.40	-0.18	0.054
85.00	-28.83	-1.61	0.00	-99.13	0.00	99.13	2755.69	1377.84	4610.09	2308.47		1.46	-0.18	0.053
90.00	-27.81	-1.61	0.00	-91.10	0.00	91.10	2702.54	1351.27	4386.89	2196.71		1.66	-0.20	0.052
95.00	-23.99	-1.61	0.00	-83.04	0.00	83.04	2647.69	1323.84	4166.29	2086.24		1.87	-0.21	0.049
100.00	-23.03	-1.61	0.00	-75.01	0.00	75.01	2591.13	1295.56	3948.53	1977.20		2.10	-0.23	0.047
105.00	-22.09	-1.61	0.00	-66.97	0.00	66.97	2532.86	1266.43	3733.89	1869.72		2.35	-0.24	0.045
110.00	-21.18	-1.61	0.00	-58.92	0.00	58.92	2472.89	1236.44	3522.60	1763.92		2.61	-0.26	0.042
113.50	-20.56	-1.61	0.00	-53.28	0.00	53.28	2429.89	1214.95	3376.84	1690.93		2.80	-0.27	0.040
115.00	-20.13	-1.61	0.00	-50.86	0.00	50.86	2411.21	1205.60	3314.94	1659.93		2.89	-0.27	0.039
118.00	-19.28	-1.61	0.00	-46.03	0.00	46.03	1790.62	895.31	2454.63	1229.14		3.06	-0.28	0.048
120.00	-18.99	-1.61	0.00	-42.81	0.00	42.81	1774.20	887.10	2396.85	1200.21		3.18	-0.29	0.046
122.00	-18.67	-1.61	0.00	-39.59	0.00	39.59	1757.50	878.75	2339.36	1171.42		3.30	-0.29	0.044
125.00	-18.24	-1.61	0.00	-34.76	0.00	34.76	1731.94	865.97	2253.71	1128.53		3.49	-0.30	0.041
127.00	-14.34	-1.54	0.00	-31.54	0.00	31.54	1714.56	857.28	2197.01	1100.14		3.62	-0.31	0.037
130.00	-13.94	-1.53	0.00	-26.93	0.00	26.93	1687.98	843.99	2112.62	1057.88		3.82	-0.32	0.034
135.00	-13.29	-1.50	0.00	-19.28	0.00	19.28	1642.31	821.15	1973.86	988.40		4.16	-0.33	0.028
137.00	-7.44	-1.12	0.00	-16.27	0.00	16.27	1623.56	811.78	1919.06	960.96		4.30	-0.33	0.022
140.00	-7.11	-1.10	0.00	-12.90	0.00	12.90	1594.93	797.47	1837.67	920.20		4.51	-0.34	0.018
145.00	-6.59	-1.05	0.00	-7.39	0.00	7.39	1545.85	772.93	1704.31	853.42		4.87	-0.35	0.013
148.00	-2.25	-0.47	0.00	-4.24	0.00	4.24	1515.59	757.79	1625.76	814.09		5.09	-0.35	0.007
150.00	-2.08	-0.44	0.00	-3.30	0.00	3.30	1495.07	747.53	1574.03	788.19		5.23	-0.35	0.006
155.00	-1.67	-0.36	0.00	-1.09	0.00	1.09	1442.53	721.26	1447.04	724.60		5.60	-0.35	0.003
158.00	0.00	-0.35	0.00	0.00	0.00	0.00	1400.09	700.04	1362.73	682.38		5.82	-0.35	0.000

Seismic Segment Forces (Factored)

Structure:	CT02722-S-SBA	**Code:**	EIA/TIA-222-G	11/22/2021	
Site Name:	Waterbury	**Exposure:**	C		
Height:	158.00 (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

Load Case:	0.9D + 1.0E					**Iterations**	21
Gust Response Factor	1.10			**Sds**	0.20	**Ss**	0.19
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10	**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.37	**SA**	0.04	**Seismic Importance Factor**	1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		1589.7	0.00	0.03	0.02	29.38	
10.00		1557.3	0.01	0.05	0.03	42.28	
15.00		1524.9	0.02	0.06	0.04	48.16	
20.00		1492.5	0.03	0.07	0.04	50.63	
25.00		1460.1	0.05	0.07	0.04	51.50	
30.00		1427.7	0.07	0.07	0.04	51.72	
35.00		1395.3	0.09	0.07	0.04	51.75	
38.50	Bot - Section 2	957.49	0.11	0.07	0.04	36.07	
40.00		740.96	0.12	0.07	0.03	28.10	
45.00	Top - Section 1	2431.7	0.15	0.07	0.03	93.97	
50.00		1074.7	0.19	0.06	0.02	41.89	
55.00		1048.4	0.23	0.06	0.02	40.35	
60.00		1022.1	0.27	0.05	0.01	37.40	
65.00		995.81	0.32	0.04	0.01	32.49	
70.00		969.48	0.37	0.03	0.01	25.18	
75.00		943.15	0.43	0.01	0.01	15.41	
78.00	Bot - Section 3	553.26	0.46	0.00	0.01	5.13	
80.00		648.06	0.48	-0.01	0.01	2.69	
83.50	Top - Section 2	1116.1	0.53	-0.03	0.01	-5.80	
85.00		206.99	0.55	-0.03	0.01	-1.91	
90.00		676.80	0.61	-0.06	0.02	-14.70	
95.00	Appurtenance(s)	3015.6	0.68	-0.08	0.03	-94.74	
100.00		636.30	0.76	-0.10	0.04	-23.52	
105.00		616.05	0.83	-0.12	0.06	-23.26	
110.00		595.80	0.92	-0.12	0.09	-20.04	
113.50	Bot - Section 4	405.01	0.98	-0.12	0.12	-11.28	
115.00		309.25	1.00	-0.11	0.13	-7.62	
118.00	Top - Section 3	608.66	1.05	-0.09	0.16	-10.30	
120.00		178.79	1.09	-0.08	0.18	-1.94	
122.00	Appurtenance(s)	201.20	1.13	-0.05	0.20	-0.80	
125.00		259.44	1.18	-0.01	0.24	2.01	
127.00	Appurtenance(s)	3184.1	1.22	0.03	0.27	52.59	
130.00		249.72	1.28	0.09	0.32	7.77	
135.00		403.24	1.38	0.25	0.41	23.91	
137.00	Appurtenance(s)	4822.2	1.42	0.32	0.45	346.90	
140.00		230.28	1.48	0.46	0.52	21.27	
145.00		370.84	1.59	0.75	0.66	48.39	
148.00	Appurtenance(s)	3579.3	1.66	0.97	0.75	557.55	
150.00		139.91	1.70	1.14	0.82	24.30	
155.00		338.44	1.82	1.63	1.01	75.16	
158.00	Appurtenance(s)	1395.2	1.89	1.98	1.14	353.93	
	Totals:	**45,372.9**				**1,982.0**	**Total Wind:** **42,690.7**

Seismic Base Shear is Less Than 50% of Wind Force - An Analysis is NOT Required

Calculated Forces

Structure:	CT02722-S-SBA	**Code:**	EIA/TIA-222-G	11/22/2021	
Site Name:	Waterbury	**Exposure:**	C		
Height:	158.00 (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

Load Case:	0.9D + 1.0E							**Iterations**	21
Gust Response Factor	1.10			**Sds**	0.20			**Ss**	0.19
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.37	**SA**	0.04	**Seismic Importance Factor**			1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-45.09	-2.20	0.00	-255.72	0.00	255.72	6641.65	3320.83	16223.6	8123.90		0.00	0.00	0.038
5.00	-43.50	-2.18	0.00	-244.72	0.00	244.72	6549.09	3274.55	15672.1	7847.74		0.00	-0.01	0.038
10.00	-41.95	-2.14	0.00	-233.83	0.00	233.83	6454.83	3227.41	15125.8	7574.18		0.02	-0.02	0.037
15.00	-40.42	-2.10	0.00	-223.12	0.00	223.12	6358.86	3179.43	14585.0	7303.35		0.04	-0.03	0.037
20.00	-38.92	-2.05	0.00	-212.63	0.00	212.63	6261.18	3130.59	14049.8	7035.38		0.07	-0.03	0.036
25.00	-37.45	-2.01	0.00	-202.36	0.00	202.36	6161.80	3080.90	13520.6	6770.39		0.11	-0.04	0.036
30.00	-36.02	-1.96	0.00	-192.33	0.00	192.33	6060.71	3030.36	12997.7	6508.52		0.16	-0.05	0.035
35.00	-34.60	-1.91	0.00	-182.53	0.00	182.53	5957.92	2978.96	12481.2	6249.90		0.22	-0.06	0.035
38.50	-33.63	-1.88	0.00	-175.84	0.00	175.84	5884.95	2942.47	12123.6	6070.85		0.27	-0.07	0.035
40.00	-32.92	-1.85	0.00	-173.02	0.00	173.02	5853.42	2926.71	11971.4	5994.64		0.29	-0.07	0.034
45.00	-30.58	-1.76	0.00	-163.76	0.00	163.76	4462.52	2231.26	9089.55	4551.53		0.37	-0.08	0.043
50.00	-29.46	-1.72	0.00	-154.97	0.00	154.97	4388.93	2194.47	8721.58	4367.27		0.46	-0.09	0.042
55.00	-28.36	-1.69	0.00	-146.36	0.00	146.36	4313.64	2156.82	8357.61	4185.02		0.57	-0.10	0.042
60.00	-27.28	-1.65	0.00	-137.93	0.00	137.93	4236.64	2118.32	7997.90	4004.90		0.68	-0.11	0.041
65.00	-26.23	-1.62	0.00	-129.67	0.00	129.67	4157.93	2078.96	7642.72	3827.04		0.81	-0.13	0.040
70.00	-25.21	-1.60	0.00	-121.56	0.00	121.56	4077.51	2038.76	7292.30	3651.57		0.95	-0.14	0.039
75.00	-24.20	-1.59	0.00	-113.56	0.00	113.56	3995.39	1997.70	6946.91	3478.62		1.10	-0.15	0.039
78.00	-23.61	-1.58	0.00	-108.80	0.00	108.80	3945.30	1972.65	6742.20	3376.11		1.20	-0.16	0.038
80.00	-22.97	-1.58	0.00	-105.63	0.00	105.63	3911.57	1955.78	6606.80	3308.31		1.26	-0.16	0.038
83.50	-21.85	-1.58	0.00	-100.10	0.00	100.10	2771.30	1385.65	4677.52	2342.24		1.39	-0.17	0.051
85.00	-21.62	-1.58	0.00	-97.73	0.00	97.73	2755.69	1377.84	4610.09	2308.47		1.44	-0.18	0.050
90.00	-20.86	-1.59	0.00	-89.81	0.00	89.81	2702.54	1351.27	4386.89	2196.71		1.64	-0.19	0.049
95.00	-17.99	-1.58	0.00	-81.88	0.00	81.88	2647.69	1323.84	4166.29	2086.24		1.85	-0.21	0.046
100.00	-17.27	-1.58	0.00	-73.98	0.00	73.98	2591.13	1295.56	3948.53	1977.20		2.07	-0.22	0.044
105.00	-16.57	-1.59	0.00	-66.06	0.00	66.06	2532.86	1266.43	3733.89	1869.72		2.32	-0.24	0.042
110.00	-15.88	-1.59	0.00	-58.13	0.00	58.13	2472.89	1236.44	3522.60	1763.92		2.58	-0.25	0.039
113.50	-15.42	-1.59	0.00	-52.58	0.00	52.58	2429.89	1214.95	3376.84	1690.93		2.77	-0.27	0.037
115.00	-15.10	-1.59	0.00	-50.21	0.00	50.21	2411.21	1205.60	3314.94	1659.93		2.85	-0.27	0.037
118.00	-14.46	-1.58	0.00	-45.45	0.00	45.45	1790.62	895.31	2454.63	1229.14		3.02	-0.28	0.045
120.00	-14.24	-1.59	0.00	-42.28	0.00	42.28	1774.20	887.10	2396.85	1200.21		3.14	-0.28	0.043
122.00	-14.00	-1.59	0.00	-39.11	0.00	39.11	1757.50	878.75	2339.36	1171.42		3.26	-0.29	0.041
125.00	-13.68	-1.58	0.00	-34.35	0.00	34.35	1731.94	865.97	2253.71	1128.53		3.45	-0.30	0.038
127.00	-10.76	-1.52	0.00	-31.18	0.00	31.18	1714.56	857.28	2197.01	1100.14		3.57	-0.31	0.035
130.00	-10.46	-1.51	0.00	-26.63	0.00	26.63	1687.98	843.99	2112.62	1057.88		3.77	-0.31	0.031
135.00	-9.97	-1.48	0.00	-19.08	0.00	19.08	1642.31	821.15	1973.86	988.40		4.10	-0.33	0.025
137.00	-5.58	-1.11	0.00	-16.12	0.00	16.12	1623.56	811.78	1919.06	960.96		4.24	-0.33	0.020
140.00	-5.33	-1.09	0.00	-12.78	0.00	12.78	1594.93	797.47	1837.67	920.20		4.45	-0.33	0.017
145.00	-4.94	-1.04	0.00	-7.32	0.00	7.32	1545.85	772.93	1704.31	853.42		4.80	-0.34	0.012
148.00	-1.68	-0.46	0.00	-4.20	0.00	4.20	1515.59	757.79	1625.76	814.09		5.02	-0.34	0.006
150.00	-1.56	-0.44	0.00	-3.28	0.00	3.28	1495.07	747.53	1574.03	788.19		5.16	-0.34	0.005
155.00	-1.25	-0.36	0.00	-1.08	0.00	1.08	1442.53	721.26	1447.04	724.60		5.53	-0.35	0.002
158.00	0.00	-0.35	0.00	0.00	0.00	0.00	1400.09	700.04	1362.73	682.38		5.74	-0.35	0.000

Wind Loading - Shaft

Structure:	CT02722-S-SBA	**Code:**	EIA/TIA-222-G	11/22/2021	
Site Name:	Waterbury	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 25	

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	0.85	7.442	8.19	280.76	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	7.442	8.19	275.14	0.650	0.000	5.00	25.123	16.33	133.7	0.0	1589.8
10.00		1.00	0.85	7.442	8.19	269.53	0.650	0.000	5.00	24.616	16.00	131.0	0.0	1557.4
15.00		1.00	0.85	7.442	8.19	263.91	0.650	0.000	5.00	24.108	15.67	128.3	0.0	1525.0
20.00		1.00	0.90	7.896	8.69	266.06	0.650	0.000	5.00	23.600	15.34	133.2	0.0	1492.6
25.00		1.00	0.95	8.276	9.10	266.46	0.650	0.000	5.00	23.093	15.01	136.6	0.0	1460.2
30.00		1.00	0.98	8.600	9.46	265.58	0.650	0.000	5.00	22.585	14.68	138.9	0.0	1427.8
35.00		1.00	1.01	8.883	9.77	263.79	0.650	0.000	5.00	22.077	14.35	140.2	0.0	1395.4
38.50	Bot - Section 2	1.00	1.04	9.064	9.97	262.11	0.650	0.000	3.50	15.152	9.85	98.2	0.0	957.5
40.00		1.00	1.04	9.137	10.05	261.30	0.650	0.000	1.50	6.521	4.24	42.6	0.0	741.0
45.00	Top - Section 1	1.00	1.07	9.366	10.30	258.26	0.650	0.000	5.00	21.406	13.91	143.3	0.0	2431.7
50.00		1.00	1.09	9.576	10.53	259.09	0.650	0.000	5.00	20.898	13.58	143.1	0.0	1074.8
55.00		1.00	1.12	9.770	10.75	255.26	0.650	0.000	5.00	20.390	13.25	142.4	0.0	1048.5
60.00		1.00	1.14	9.951	10.95	251.12	0.650	0.000	5.00	19.883	12.92	141.5	0.0	1022.1
65.00		1.00	1.16	10.120	11.13	246.69	0.650	0.000	5.00	19.375	12.59	140.2	0.0	995.8
70.00		1.00	1.17	10.279	11.31	242.02	0.650	0.000	5.00	18.867	12.26	138.7	0.0	969.5
75.00		1.00	1.19	10.430	11.47	237.14	0.650	0.000	5.00	18.360	11.93	136.9	0.0	943.2
78.00	Bot - Section 3	1.00	1.20	10.516	11.57	234.11	0.650	0.000	3.00	10.772	7.00	81.0	0.0	553.3
80.00		1.00	1.21	10.572	11.63	232.06	0.650	0.000	2.00	7.186	4.67	54.3	0.0	648.1
83.50	Top - Section 2	1.00	1.22	10.668	11.73	228.40	0.650	0.000	3.50	12.379	8.05	94.4	0.0	1116.2
85.00		1.00	1.22	10.708	11.78	230.32	0.650	0.000	1.50	5.229	3.40	40.0	0.0	207.0
90.00		1.00	1.24	10.838	11.92	224.93	0.650	0.000	5.00	17.101	11.12	132.5	0.0	676.8
95.00	Appurtenance(s)	1.00	1.25	10.962	12.06	219.39	0.650	0.000	5.00	16.593	10.79	130.1	0.0	656.5
100.00		1.00	1.27	11.081	12.19	213.73	0.650	0.000	5.00	16.086	10.46	127.4	0.0	636.3
105.00		1.00	1.28	11.195	12.31	207.94	0.650	0.000	5.00	15.578	10.13	124.7	0.0	616.1
110.00		1.00	1.29	11.305	12.44	202.04	0.650	0.000	5.00	15.070	9.80	121.8	0.0	595.8
113.50	Bot - Section 4	1.00	1.30	11.380	12.52	197.84	0.650	0.000	3.50	10.247	6.66	83.4	0.0	405.0
115.00		1.00	1.30	11.412	12.55	196.03	0.650	0.000	1.50	4.379	2.85	35.7	0.0	309.3
118.00	Top - Section 3	1.00	1.31	11.474	12.62	192.38	0.650	0.000	3.00	8.621	5.60	70.7	0.0	608.7
120.00		1.00	1.32	11.514	12.67	192.84	0.650	0.000	2.00	5.646	3.67	46.5	0.0	178.8
122.00	Appurtenance(s)	1.00	1.32	11.554	12.71	190.37	0.650	0.000	2.00	5.564	3.62	46.0	0.0	176.2
125.00		1.00	1.33	11.614	12.78	186.65	0.650	0.000	3.00	8.194	5.33	68.0	0.0	259.4
127.00	Appurtenance(s)	1.00	1.33	11.653	12.82	184.15	0.650	0.000	2.00	5.361	3.48	44.7	0.0	169.7
130.00		1.00	1.34	11.710	12.88	180.38	0.650	0.000	3.00	7.890	5.13	66.1	0.0	249.7
135.00		1.00	1.35	11.803	12.98	174.02	0.650	0.000	5.00	12.743	8.28	107.5	0.0	403.2
137.00	Appurtenance(s)	1.00	1.35	11.840	13.02	171.46	0.650	0.000	2.00	4.955	3.22	41.9	0.0	156.8
140.00		1.00	1.36	11.894	13.08	167.59	0.650	0.000	3.00	7.281	4.73	61.9	0.0	230.3
145.00		1.00	1.37	11.982	13.18	161.08	0.650	0.000	5.00	11.728	7.62	100.5	0.0	370.8
148.00	Appurtenance(s)	1.00	1.37	12.034	13.24	157.14	0.650	0.000	3.00	6.793	4.42	58.5	0.0	214.7
150.00		1.00	1.38	12.068	13.27	154.50	0.650	0.000	2.00	4.427	2.88	38.2	0.0	139.9
155.00		1.00	1.39	12.152	13.37	147.86	0.650	0.000	5.00	10.713	6.96	93.1	0.0	338.4
158.00	Appurtenance(s)	1.00	1.39	12.201	13.42	143.84	0.650	0.000	3.00	6.184	4.02	53.9	0.0	195.3
								Totals:	**158.00**			**3,991.7**		**30,744.2**

Discrete Appurtenance Forces

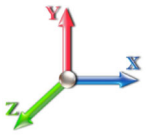
Structure:	CT02722-S-SBA	**Code:**	EIA/TIA-222-G	11/22/2021	
Site Name:	Waterbury	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 26	

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	158.00	Low Profile Platform	1	12.201	13.421	1.00	1.00	25.00	1200.00	0.000	0.000	335.52	0.00	0.00
2	148.00	VZWSMART-PLK3	1	12.034	13.238	1.00	1.00	12.25	514.00	0.000	0.000	162.16	0.00	0.00
3	148.00	DB844G65VTZASX	6	12.034	13.238	0.70	0.75	18.12	72.00	0.000	0.000	239.88	0.00	0.00
4	148.00	Low Profile Platform	1	12.034	13.238	1.00	1.00	35.00	1200.00	0.000	0.000	463.31	0.00	0.00
5	148.00	VZWSMART-PLK6	1	12.034	13.238	1.00	1.00	10.00	329.00	0.000	0.000	132.38	0.00	0.00
6	148.00	VZWSMART-PLK7	1	12.034	13.238	1.00	1.00	2.25	136.70	0.000	0.000	29.78	0.00	0.00
7	148.00	RFS FD9R6004/2C-3L	6	12.034	13.238	0.38	0.75	0.83	18.60	0.000	0.000	11.02	0.00	0.00
8	148.00	JMA Wireless	6	12.034	13.238	0.65	0.75	38.64	360.00	0.000	0.000	511.51	0.00	0.00
9	148.00	RF4439D-25A	3	12.034	13.238	0.50	0.75	2.83	253.20	0.000	0.000	37.52	0.00	0.00
10	148.00	RF4440D-13a	3	12.034	13.238	0.50	0.75	2.83	210.90	0.000	0.000	37.52	0.00	0.00
11	148.00	Raycap	1	12.034	13.238	1.00	1.00	4.06	32.00	0.000	0.000	53.74	0.00	0.00
12	148.00	MT6407-77A	3	12.034	13.238	0.52	0.75	7.39	238.20	0.000	0.000	97.78	0.00	0.00
13	137.00	Raycap -	3	11.840	13.024	0.64	0.80	2.82	98.40	0.000	0.000	36.76	0.00	0.00
14	137.00	Ericsson - RRU A2 - RRU	3	11.840	13.024	0.54	0.80	2.99	66.00	0.000	0.000	38.95	0.00	0.00
15	137.00	Ericsson - RRUS-32 -	3	11.840	13.024	0.54	0.80	6.22	231.00	0.000	0.000	81.05	0.00	0.00
16	137.00	Quintel - QS66512-2	3	11.840	13.024	0.72	0.80	17.56	333.00	0.000	0.000	228.71	0.00	0.00
17	137.00	KMW -	3	11.840	13.024	0.60	0.80	14.44	145.50	0.000	0.000	188.01	0.00	0.00
18	137.00	Platform w/ Hand Rails	1	11.840	13.024	1.00	1.00	40.00	2000.00	0.000	0.000	520.96	0.00	0.00
19	137.00	CCI - OPA-65R-LCUU-H6	3	11.840	13.024	0.63	0.80	18.32	219.00	0.000	0.000	238.54	0.00	0.00
20	137.00	Ericsson - RRUS 32 B2 -	3	11.840	13.024	0.54	0.80	4.41	159.00	0.000	0.000	57.38	0.00	0.00
21	137.00	Ericsson - RRUS-12 -	6	11.840	13.024	0.54	0.80	10.13	348.00	0.000	0.000	131.94	0.00	0.00
22	137.00	CCI -	6	11.840	13.024	0.54	0.80	3.67	114.00	0.000	0.000	47.75	0.00	0.00
23	137.00	Kaelus -	6	11.840	13.024	0.54	0.80	1.06	109.80	0.000	0.000	13.82	0.00	0.00
24	137.00	Ericsson - B14 4478 -	3	11.840	13.024	0.54	0.80	2.65	180.00	0.000	0.000	34.56	0.00	0.00
25	137.00	Kaelus - DBC0037F1V2-1	6	11.840	13.024	0.54	0.80	1.22	39.60	0.000	0.000	15.92	0.00	0.00
26	137.00	800 10965	3	11.840	13.024	0.62	0.80	18.89	292.20	0.000	0.000	245.98	0.00	0.00
27	137.00	Ericsson - RRUS-11 -	6	11.840	13.024	0.54	0.80	8.10	330.00	0.000	0.000	105.55	0.00	0.00
28	127.00	NNVV-65B-R4	3	11.653	12.818	0.59	0.80	21.79	254.10	0.000	0.000	279.32	0.00	0.00
29	127.00	ALU - 1900MHz - RRU	3	11.653	12.818	0.54	0.80	4.45	180.00	0.000	0.000	57.09	0.00	0.00
30	127.00	ALU - 800 MHz - RRU	6	11.653	12.818	0.54	0.80	8.01	318.00	0.000	0.000	102.64	0.00	0.00
31	127.00	AAHC	3	11.653	12.818	0.60	0.80	7.58	311.10	0.000	0.000	97.13	0.00	0.00
32	127.00	PRK-1245 Reinforcement	1	11.653	12.818	1.00	1.00	9.50	464.91	0.000	0.000	121.77	0.00	0.00
33	127.00	PRK-SFS-L Brace Kit	1	11.653	12.818	1.00	1.00	6.75	261.72	0.000	0.000	86.52	0.00	0.00
34	127.00	A-ANT-23G-2-C	2	11.653	12.818	1.00	1.00	16.86	24.60	0.000	0.000	216.11	0.00	0.00
35	127.00	Low Profile Platform	1	11.653	12.818	1.00	1.00	25.00	1200.00	0.000	0.000	320.45	0.00	0.00
36	122.00	CS72188.01 Omni	1	11.653	12.818	1.00	1.00	3.00	25.00	0.000	5.000	38.45	0.00	192.27
37	95.00	Raycap	1	10.962	12.058	1.00	1.00	2.01	21.90	0.000	0.000	24.24	0.00	0.00
38	95.00	Fujitsu TA08025-B604	3	10.962	12.058	0.50	0.75	2.95	191.70	0.000	0.000	35.63	0.00	0.00
39	95.00	Fujitsu TA08025-B605	3	10.962	12.058	0.50	0.75	2.95	225.00	0.000	0.000	35.63	0.00	0.00
40	95.00	MC-PK8-DSH	1	10.962	12.058	1.00	1.00	37.59	1727.00	0.000	0.000	453.26	0.00	0.00
41	95.00	JMA Wireless	3	10.962	12.058	0.55	0.75	20.80	193.50	0.000	0.000	250.75	0.00	0.00
							Totals:		**14,628.63**			**6,217.00**		

Total Applied Force Summary

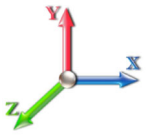
Structure:	CT02722-S-SBA		**Code:**	EIA/TIA-222-G	11/22/2021
Site Name:	Waterbury		**Exposure:**	C	
Height:	158.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 27

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		133.68	1761.28	0.00	0.00
10.00		130.98	1728.88	0.00	0.00
15.00		128.28	1696.48	0.00	0.00
20.00		133.24	1664.08	0.00	0.00
25.00		136.65	1631.68	0.00	0.00
30.00		138.87	1599.28	0.00	0.00
35.00		140.23	1566.89	0.00	0.00
38.50		98.19	1077.54	0.00	0.00
40.00		42.60	792.41	0.00	0.00
45.00		143.35	2603.21	0.00	0.00
50.00		143.09	1246.30	0.00	0.00
55.00		142.44	1219.97	0.00	0.00
60.00		141.46	1193.64	0.00	0.00
65.00		140.19	1167.32	0.00	0.00
70.00		138.67	1140.99	0.00	0.00
75.00		136.91	1114.66	0.00	0.00
78.00		80.99	656.16	0.00	0.00
80.00		54.32	716.66	0.00	0.00
83.50		94.43	1236.23	0.00	0.00
85.00		40.04	258.44	0.00	0.00
90.00		132.51	848.31	0.00	0.00
95.00	(11) attachments	929.56	3187.16	0.00	0.00
100.00		127.44	798.71	0.00	0.00
105.00		124.69	778.46	0.00	0.00
110.00		121.82	758.21	0.00	0.00
113.50		83.38	518.70	0.00	0.00
115.00		35.73	357.97	0.00	0.00
118.00		70.72	706.11	0.00	0.00
120.00		46.48	243.76	0.00	0.00
122.00	(1) attachments	84.42	266.16	0.00	192.27
125.00		68.04	356.41	0.00	0.00
127.00	(20) attachments	1325.70	3248.79	0.00	0.00
130.00		66.06	333.84	0.00	0.00
135.00		107.55	543.44	0.00	0.00
137.00	(58) attachments	2027.83	4878.34	0.00	0.00
140.00		61.92	271.20	0.00	0.00
145.00		100.48	439.04	0.00	0.00
148.00	(32) attachments	1835.05	3620.25	0.00	0.00
150.00		38.20	139.91	0.00	0.00
155.00		93.08	338.44	0.00	0.00
158.00	(1) attachments	389.47	1395.29	0.00	0.00
	Totals:	**10,208.74**	**50,100.63**	**0.00**	**192.27**

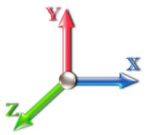
Calculated Forces

Structure:	CT02722-S-SBA	**Code:**	EIA/TIA-222-G	11/22/2021	
Site Name:	Waterbury	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 28	

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	-50.10	-10.23	0.00	-1172.6	0.00	1172.66	6641.65	3320.83	16223.6	8123.90	0.00	0.000	0.000	0.152
5.00	-48.33	-10.12	0.00	-1121.5	0.00	1121.53	6549.09	3274.55	15672.1	7847.74	0.02	-0.039	0.000	0.150
10.00	-46.59	-10.02	0.00	-1070.9	0.00	1070.92	6454.83	3227.41	15125.8	7574.18	0.08	-0.078	0.000	0.149
15.00	-44.89	-9.92	0.00	-1020.8	0.00	1020.80	6358.86	3179.43	14585.0	7303.35	0.19	-0.118	0.000	0.147
20.00	-43.22	-9.82	0.00	-971.18	0.00	971.18	6261.18	3130.59	14049.8	7035.38	0.33	-0.158	0.000	0.145
25.00	-41.58	-9.71	0.00	-922.09	0.00	922.09	6161.80	3080.90	13520.6	6770.39	0.52	-0.199	0.000	0.143
30.00	-39.98	-9.59	0.00	-873.57	0.00	873.57	6060.71	3030.36	12997.7	6508.52	0.75	-0.241	0.000	0.141
35.00	-38.40	-9.47	0.00	-825.62	0.00	825.62	5957.92	2978.96	12481.2	6249.90	1.03	-0.283	0.000	0.139
38.50	-37.32	-9.38	0.00	-792.49	0.00	792.49	5884.95	2942.47	12123.6	6070.85	1.24	-0.313	0.000	0.137
40.00	-36.53	-9.35	0.00	-778.42	0.00	778.42	5853.42	2926.71	11971.4	5994.64	1.35	-0.327	0.000	0.136
45.00	-33.92	-9.21	0.00	-731.68	0.00	731.68	4462.52	2231.26	9089.55	4551.53	1.71	-0.370	0.000	0.168
50.00	-32.66	-9.09	0.00	-685.61	0.00	685.61	4388.93	2194.47	8721.58	4367.27	2.12	-0.413	0.000	0.164
55.00	-31.44	-8.97	0.00	-640.16	0.00	640.16	4313.64	2156.82	8357.61	4185.02	2.58	-0.464	0.000	0.160
60.00	-30.24	-8.84	0.00	-595.33	0.00	595.33	4236.64	2118.32	7997.90	4004.90	3.10	-0.516	0.000	0.156
65.00	-29.06	-8.72	0.00	-551.12	0.00	551.12	4157.93	2078.96	7642.72	3827.04	3.66	-0.567	0.000	0.151
70.00	-27.92	-8.59	0.00	-507.54	0.00	507.54	4077.51	2038.76	7292.30	3651.57	4.29	-0.619	0.000	0.146
75.00	-26.80	-8.46	0.00	-464.59	0.00	464.59	3995.39	1997.70	6946.91	3478.62	4.96	-0.670	0.000	0.140
78.00	-26.14	-8.38	0.00	-439.20	0.00	439.20	3945.30	1972.65	6742.20	3376.11	5.39	-0.701	0.000	0.137
80.00	-25.42	-8.33	0.00	-422.44	0.00	422.44	3911.57	1955.78	6606.80	3308.31	5.69	-0.722	0.000	0.134
83.50	-24.18	-8.23	0.00	-393.27	0.00	393.27	2771.30	1385.65	4677.52	2342.24	6.23	-0.757	0.000	0.177
85.00	-23.92	-8.21	0.00	-380.92	0.00	380.92	2755.69	1377.84	4610.09	2308.47	6.47	-0.773	0.000	0.174
90.00	-23.06	-8.09	0.00	-339.89	0.00	339.89	2702.54	1351.27	4386.89	2196.71	7.32	-0.834	0.000	0.163
95.00	-19.88	-7.13	0.00	-299.46	0.00	299.46	2647.69	1323.84	4166.29	2086.24	8.22	-0.892	0.000	0.151
100.00	-19.08	-7.01	0.00	-263.82	0.00	263.82	2591.13	1295.56	3948.53	1977.20	9.19	-0.949	0.000	0.141
105.00	-18.29	-6.89	0.00	-228.79	0.00	228.79	2532.86	1266.43	3733.89	1869.72	10.21	-1.004	0.000	0.130
110.00	-17.53	-6.76	0.00	-194.36	0.00	194.36	2472.89	1236.44	3522.60	1763.92	11.29	-1.056	0.000	0.117
113.50	-17.01	-6.68	0.00	-170.69	0.00	170.69	2429.89	1214.95	3376.84	1690.93	12.08	-1.091	0.000	0.108
115.00	-16.65	-6.64	0.00	-160.67	0.00	160.67	2411.21	1205.60	3314.94	1659.93	12.42	-1.105	0.000	0.104
118.00	-15.95	-6.56	0.00	-140.75	0.00	140.75	1790.62	895.31	2454.63	1229.14	13.13	-1.132	0.000	0.123
120.00	-15.70	-6.52	0.00	-127.62	0.00	127.62	1774.20	887.10	2396.85	1200.21	13.61	-1.150	0.000	0.115
122.00	-15.44	-6.43	0.00	-114.39	0.00	114.39	1757.50	878.75	2339.36	1171.42	14.09	-1.169	0.000	0.106
125.00	-15.08	-6.36	0.00	-95.09	0.00	95.09	1731.94	865.97	2253.71	1128.53	14.84	-1.195	0.000	0.093
127.00	-11.86	-4.97	0.00	-82.37	0.00	82.37	1714.56	857.28	2197.01	1100.14	15.34	-1.211	0.000	0.082
130.00	-11.52	-4.91	0.00	-67.45	0.00	67.45	1687.98	843.99	2112.62	1057.88	16.11	-1.232	0.000	0.071
135.00	-10.98	-4.79	0.00	-42.92	0.00	42.92	1642.31	821.15	1973.86	988.40	17.42	-1.260	0.000	0.050
137.00	-6.15	-2.66	0.00	-33.34	0.00	33.34	1623.56	811.78	1919.06	960.96	17.95	-1.268	0.000	0.038
140.00	-5.88	-2.59	0.00	-25.38	0.00	25.38	1594.93	797.47	1837.67	920.20	18.75	-1.279	0.000	0.031
145.00	-5.44	-2.48	0.00	-12.43	0.00	12.43	1545.85	772.93	1704.31	853.42	20.09	-1.291	0.000	0.018
148.00	-1.86	-0.56	0.00	-5.00	0.00	5.00	1515.59	757.79	1625.76	814.09	20.91	-1.295	0.000	0.007
150.00	-1.72	-0.52	0.00	-3.87	0.00	3.87	1495.07	747.53	1574.03	788.19	21.45	-1.296	0.000	0.006
155.00	-1.39	-0.42	0.00	-1.26	0.00	1.26	1442.53	721.26	1447.04	724.60	22.81	-1.298	0.000	0.003
158.00	0.00	-0.39	0.00	0.00	0.00	0.00	1400.09	700.04	1362.73	682.38	23.62	-1.299	0.000	0.000

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 97 mph Wind	42.8	0.00	60.06	0.00	0.00	4929.04
0.9D + 1.6W 97 mph Wind	42.8	0.00	45.03	0.00	0.00	4882.69
1.2D + 1.0Di + 1.0Wi 50 mph Wind	12.1	0.00	90.51	0.00	0.00	1392.07
1.2D + 1.0E	2.2	0.00	60.12	0.00	0.00	258.34
0.9D + 1.0E	2.2	0.00	45.09	0.00	0.00	255.72
1.0D + 1.0W 60 mph Wind	10.2	0.00	50.10	0.00	0.00	1172.66

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 97 mph Wind	-27.24	-34.66	0.00	-1656.3	0.00	-1656.3	2771.30	1385.6	4677.52	2342.24	83.50	0.718
0.9D + 1.6W 97 mph Wind	-19.99	-34.24	0.00	-1631.9	0.00	-1631.9	2771.30	1385.6	4677.52	2342.24	83.50	0.705
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-51.31	-9.78	0.00	-464.89	0.00	-464.89	2771.30	1385.6	4677.52	2342.24	83.50	0.217
1.2D + 1.0E	-29.14	-1.60	0.00	-101.54	0.00	-101.54	2771.30	1385.6	4677.52	2342.24	83.50	0.054
0.9D + 1.0E	-21.85	-1.58	0.00	-100.10	0.00	-100.10	2771.30	1385.6	4677.52	2342.24	83.50	0.051
1.0D + 1.0W 60 mph Wind	-24.18	-8.23	0.00	-393.27	0.00	-393.27	2771.30	1385.6	4677.52	2342.24	83.50	0.177

Base Plate Summary

Structure:	CT02722-S-SB		**Code:**	EIA/TIA-222-G	11/22/2021
Site Name:	Waterbury		**Exposure:**	C	
Height:	158.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 30

Tower Engineering Solutions

Reactions	
Original Design	
Moment (kip-ft):	5150.00
Axial (kip):	41.00
Shear (kip):	44.00
Analysis (1.2D + 1.6W)	
Moment (kip-ft):	4929.04
Axial (kip):	60.06
Shear (kip):	42.78

Base Plate	
Yield (ksi):	50.00
Width (in):	66.00
Style:	Clipped
Polygon Sides:	4.00
Clip Length (in):	12.00
Effective Len (in):	9.25
Moment (kip-in):	635.62
Allow Stress (ksi):	67.50
Applied Stress (ksi):	39.15
Stress Ratio:	0.58

Anchor Bolts	
Bolt Circle:	67.00
Number Bolts:	20.00
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):	181.09
Allowable (kip):	260.00
Ratio:	0.71
Tension	
Force (kip):	172.04
Allowable (kip):	260.00
Ratio:	0.68

Monopole Mat Foundation Design

				Date
				11/22/2021
	Customer Name:	Verizon	**EIA/TIA Standard:**	EIA-222-G
	Site Name:		**Structure Height (Ft.):**	158
	Site Number:	CT02722-S-SBA	**Engineer Name:**	J. Chen
	Engr. Number:	119530	**Engineer Login ID:**	

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

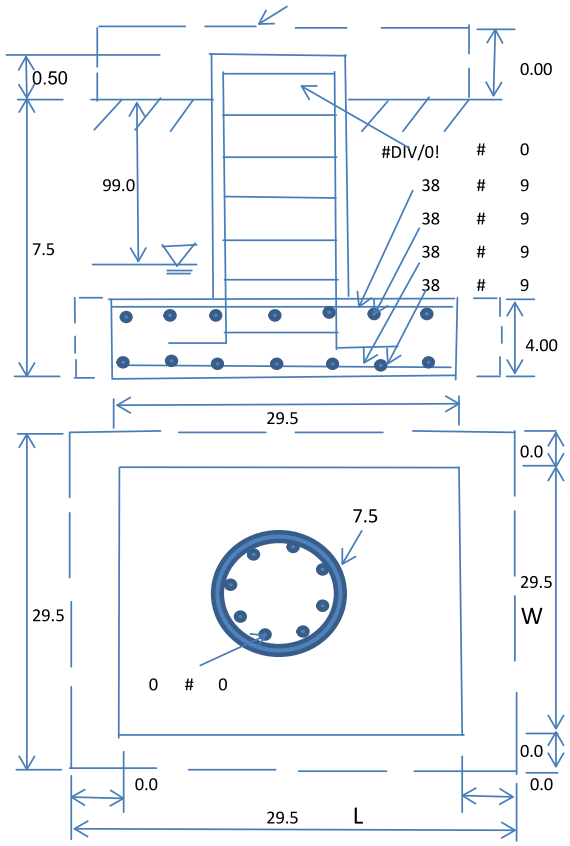
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	60.1	Shear Force (Kips):	42.8
Uplift Force (Kips):	0.0	Moment (Kips-ft):	4929.0
Allowable overstress %:	5.0%		

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	7.5	Depth of Base BG (ft.):	7.5
Pier Height A. G. (ft.):	0.50	Thickness of Pad (ft):	4.00
Length of Pad (ft.):	29.5	Width of Pad (ft.):	29.5
Final Length of pad (ft)	29.5	Final width of pad (ft):	29.5



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 #:		Tie / Stirrup Size #:		
Qty. of Vertical Rebars:		Tie Spacing (in):		
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	9	
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):	38	Qty. of Rebar in Pad (W):	38	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	38	Qty. of Rebar in Pad (W):	38	
Apply 1.35 factor for e/w Per G:	1.35			

Soil Design Parameters:

Soil Unit Weight (pcf):	100.0	Soil Buoyant Weight:	50.0	Pcf		
Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	40000	Ultimate Skin Friction:		Psf	Angle from Bottm of Pad:	25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	Yes		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.):	2891.25	Total Dry Soil Weight (Kips):	289.12
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	289.12	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	3657.71	Total Dry Concrete Weight (Kips):	548.66
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	548.66	Total Vertical Load on Base (Kips):	897.88

Check Soil Capacities:

					Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	2328	<	Allowable Factored Soil Bearing (psf):	30000	0.08	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	12008.0	>	Design Factored Momont (kips-ft):	5271	0.44	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	2.28	OK!				

Check the capacities of Reinforceing Concrete:

Strength reduction factor (Flexure and axial tension):	0.90		Strength reduction factor (Shear):	0.75		
Strength reduction factor (Axial compresion):	0.65		Wind Load Factor on Concrete Design:	1.00		
					Load/ Capacity Ratio	
(1) Concrete Pier:						
Vertical Steel Rebar Area (sq. in./each):	#N/A		Tie / Stirrup Area (sq. in./each):	#N/A		
Calculated Moment Capacity (Mn,Kips-Ft):	#N/A	#N/A	Design Factored Moment (Mu, Kips-F	5100.2	#N/A	####
Calculated Shear Capacity (Kips):	#N/A	#N/A	Design Factored Shear (Kips):	42.8	#N/A	####
Calculated Tension Capacity (Tn, Kips):	#N/A	#N/A	Design Factored Tension (Tu Kips):	0.0	#N/A	####
Calculated Compression Capacity (Pn, Kips):	#N/A	#N/A	Design Factored Axial Load (Pu Kips):	60.1	#N/A	####
Moment & Axial Strength Combination:	#N/A	#N/A	Check Tie Spacing (Design/Required):		######	####
Pier Reinforcement Ratio:	#N/A		#N/A			
(2).Concrete Pad:						
One-Way Design Shear Capacity (L-Direction, Kips):	1292.4	>	One-Way Factored Shear (L-D. Kips):	311.7	0.24	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	1292.4	>	One-Way Factored Shear (W-D., Kips)	311.7	0.24	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	1174.7	>	One-Way Factored Shear (C-C, Kips):	288.9	0.25	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0024	OK!	Lower Steel Pad Reinf. Ratio (W-Direc	0.0024		
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	7382.9	>	Moment at Bottom (L-Dir. K-Ft):	2216.1	0.30	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	7382.9	>	Moment at Bottom (W-Dir. K-Ft):	2216.1	0.30	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	10374.0	>	Moment at Bottom (C-C Dir. K-Ft):	3134.1	0.30	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0024	OK!	Upper Steel Reinf. Ratio (W-Dir.):	0.0024		
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	7382.9	>	Moment at the top (L-Dir K-Ft):	893.2	0.12	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	7382.9	>	Moment at the top (W-Dir K-Ft):	893.2	0.12	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	10374.0	>	Moment at the top (C-C Dir. K-Ft):	835.5	0.08	OK!
(3).Check Punching Shear Capacity due to Moment in the Pier:						
Moment transferred by punching shear:	1971.6	k-ft.	Max. factored shear stress v_{u_CD}:		3.7	Psi
Max. factored shear stress v_{u_AB}:	8.6	Psi	Factored shear Strength ϕv_n:		164.3	Psi
Max. factored shear stress v_u:	8.6	Psi	Check Usage of Punching Shear Capacity:		0.05	OK!

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Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10109012
Maser Consulting Connecticut Project #: 21781085A

October 22, 2021

Site Information	*Site ID:*	*467353-VZW / WATERBURY 3 CT*
	Site Name:	*WATERBURY 3 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*299 Sheffield St* *Waterbury, Connecticut 06704* *New Haven County*
	Latitude:	*41.593817°*
	Longitude:	*-73.050917°*
Structure Information	*Tower Type:*	*Self-Support*
	Mount Type:	*13.67-Ft Platform*

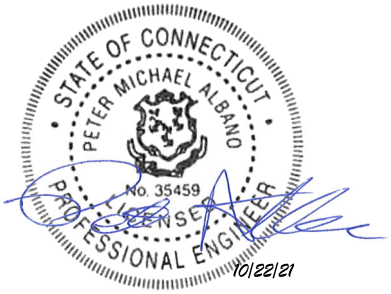
FUZE ID # 16244608

Analysis Results

Platform: **71.0% 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
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Abigail Enriquez



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 PSLC: 467353, dated October 1, 2021*
Mount Mapping Report	*OnSight Services, LLC, Site ID: 467353, dated October 1, 2021*
Previous Mount Analysis Report	*Maser Consulting Connecticut, Project #: 21781085, dated October 13, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21781085A, dated October 22, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	117 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:	0.967
Seismic Parameters:	S_S:	0.190
	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
147.00	147.00	6	JMA Wireless	MX06FRO660-03	Added
		3	Samsung	MT6407-77A	
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF440d-13A	
		6	Decibel	DB844G65ZAXY	Retained

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

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

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

BASELINE mount weight per SBA agreement: 388.04 lbs

Increase in mount weight due to Verizon loading change per SBA agreement: 347.80 lbs

The weights listed above include 3 sector(s).

Standard Conditions:

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

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	28.4 %	Pass
Face Horizontal	15.2 %	Pass
Antenna Pipe	59.0 %	Pass
Cross Brace	71.0 %	Pass
Grating Brace	4.7 %	Pass
End Plate	22.1 %	Pass
Support Rail	28.9 %	Pass
Support Rail Corner	29.0 %	Pass
V-Bracing	18.2 %	Pass
Connection Check	27.1 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**71.0%**

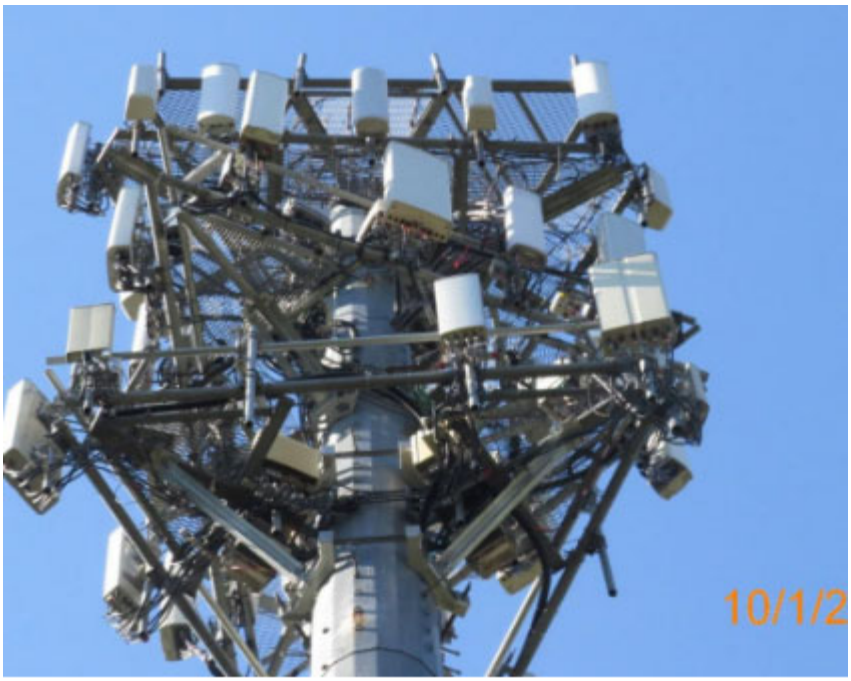
Recommendation:

The existing mounts 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


10/1/2


10/1/202

V4.0 Updated on 3-31-2021

Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1220789

Tower Owner:	SBA	**Mapping Date:**	10/1/2021
Site Name:	Waterbury 3 CT	**Tower Type:**	Monopole
Site Number or ID:	467353	**Tower Height (Ft.):**	
Mapping Contractor:	Colliers	**Mount Elevation (Ft.):**	149

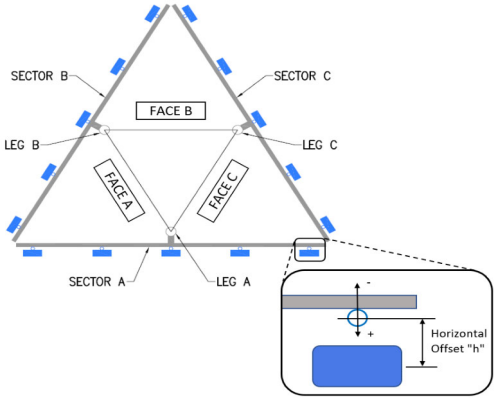
Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.

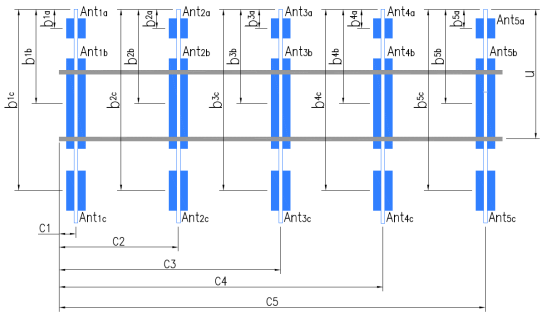
Mount Pipe Configuration and Geometries [Unit = Inches]

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	84"x2.4"x3/16"	41.50	7.00	C1	84"x2.4"x3/16"	41.50	7.00
A2	84"x2.4"x3/16"	41.50	33.50	C2	84"x2.4"x3/16"	41.50	33.50
A3	84"x2.4"x3/16"	41.50	82.00	C3	84"x2.4"x3/16"	41.50	82.00
A4	84"x2.4"x3/16"	41.50	130.50	C4	84"x2.4"x3/16"	41.50	130.50
A5	84"x2.4"x3/16"	41.50	157.00	C5	84"x2.4"x3/16"	41.50	157.00
A6				C6			
B1	84"x2.4"x3/16"	41.50	7.00	D1			
B2	84"x2.4"x3/16"	41.50	33.50	D2			
B3	84"x2.4"x3/16"	41.50	82.00	D3			
B4	84"x2.4"x3/16"	41.50	130.50	D4			
B5	84"x2.4"x3/16"	41.50	157.00	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.):	13.66	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			0.59





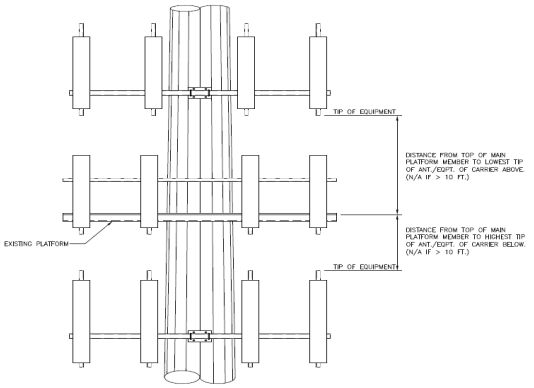
Antenna Layout (Looking Out From Tower)

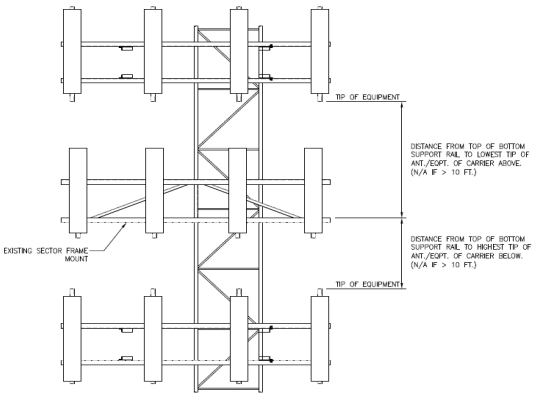
Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}	B4 RRH2x60-4R					151.375	13.00	-7.00		47
Ant_{1b}	1270-09-5344					150.208	27.00	8.50		47
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	Unknown	9.75	8.00	48.00		150.792	20.00	7.00		48
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	Unknown	11.00	5.50	71.00		149.083	40.50	11.00		49
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	1270-09-5344					150.208	27.00	-7.00		50
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	Unknown	9.75	8.00	48.00		150.792	20.00	7.00		50
Ant_{5c}										
Ant on Standoff										
Ant on Standoff	RRFDC-3315PF-48						9.00	7.00		66
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	60.00	Deg	Leg A:		Deg
Sector B:	180.00	Deg	Leg B:		Deg
Sector C:	300.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

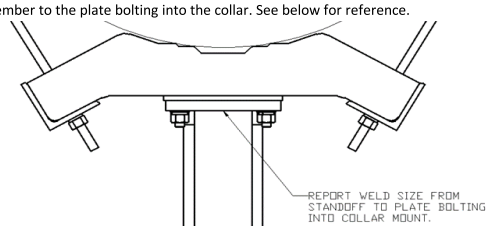
Climbing Facility Information		
Location:	Deg	N/A
Climbing Facility	Corrosion Type:	N/A
	Access:	N/A
	Condition:	N/A

Please insert a photo of the mount centerline measurement here.





For T-Arms/Platforms on monopoles, record the weld size from the main standoff member to the plate bolting into the collar. See below for reference.



Sector B										
Ant_{1a}	B4 RRH2x60-4R					151.375	13.00	-7.00		47
Ant_{1b}	1270-09-5344					150.208	27.00	8.50		47
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	Unknown	9.75	8.00	48.00		150.792	20.00	7.00		48
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	Unknown	11.00	5.50	71.00		149.083	40.50	11.00		49
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	1270-09-5344					150.208	27.00	-7.00		50
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	Unknown	9.75	8.00	48.00		150.792	20.00	7.00		50
Ant_{5c}										
Ant on Standoff										
Ant on Standoff	RRFDC-3315PF-48						9.00	7.00		66
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	B4 RRH2x60-4R					151.375	13.00	-7.00		47
Ant_{1b}	1270-09-5344					150.208	27.00	8.50		47
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	Unknown	9.75	8.00	48.00		150.792	20.00	7.00		48
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	Unknown	11.00	5.50	71.00		149.083	40.50	11.00		49
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	1270-09-5344					150.208	27.00	-7.00		50
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	Unknown	9.75	8.00	48.00		150.792	20.00	7.00		50
Ant_{5c}										
Ant on Standoff										
Ant on Standoff	RRFDC-3315PF-48						9.00	7.00		66
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

Observed Obstructions to Tower Lighting System					
If the tower lighting system is being obstructed by the carrier's equipment (for example: a light nested by the antennas), please provide photos and fill in the information below.					Photo #
Description of Obstruction:					
Type of Light:		Photo #		Additional Comments:	
Lighting Technology:		Photo #			
Elevation (AGL) at base of light (Ft.):		Photo #			
Is a service loop available?		Photo #			
Is beacon installed on an extension?		Photo #			

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

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

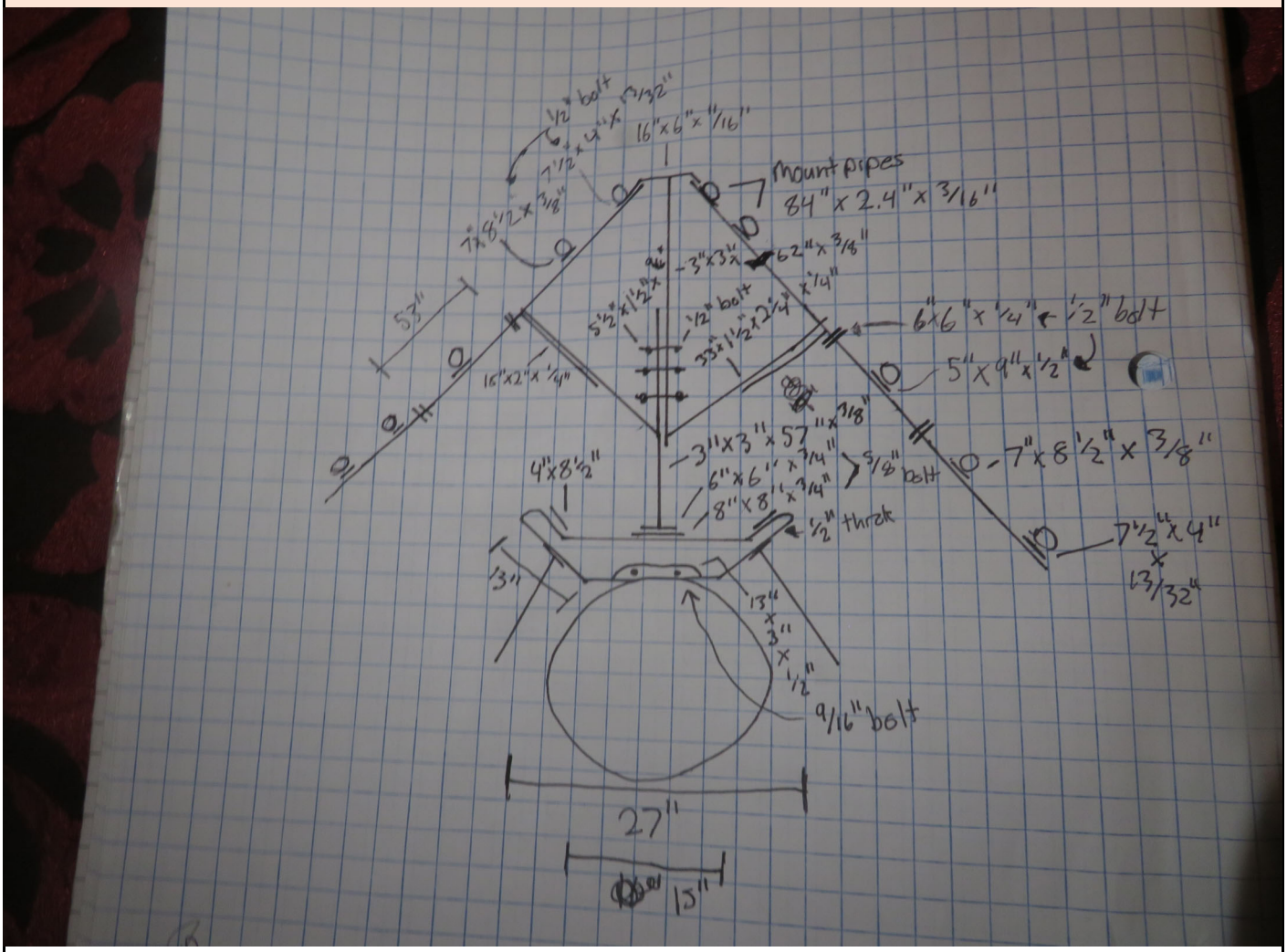
V4.0 Updated on 3-31-2021

Antenna Mount Mapping Form (PATENT PENDING)

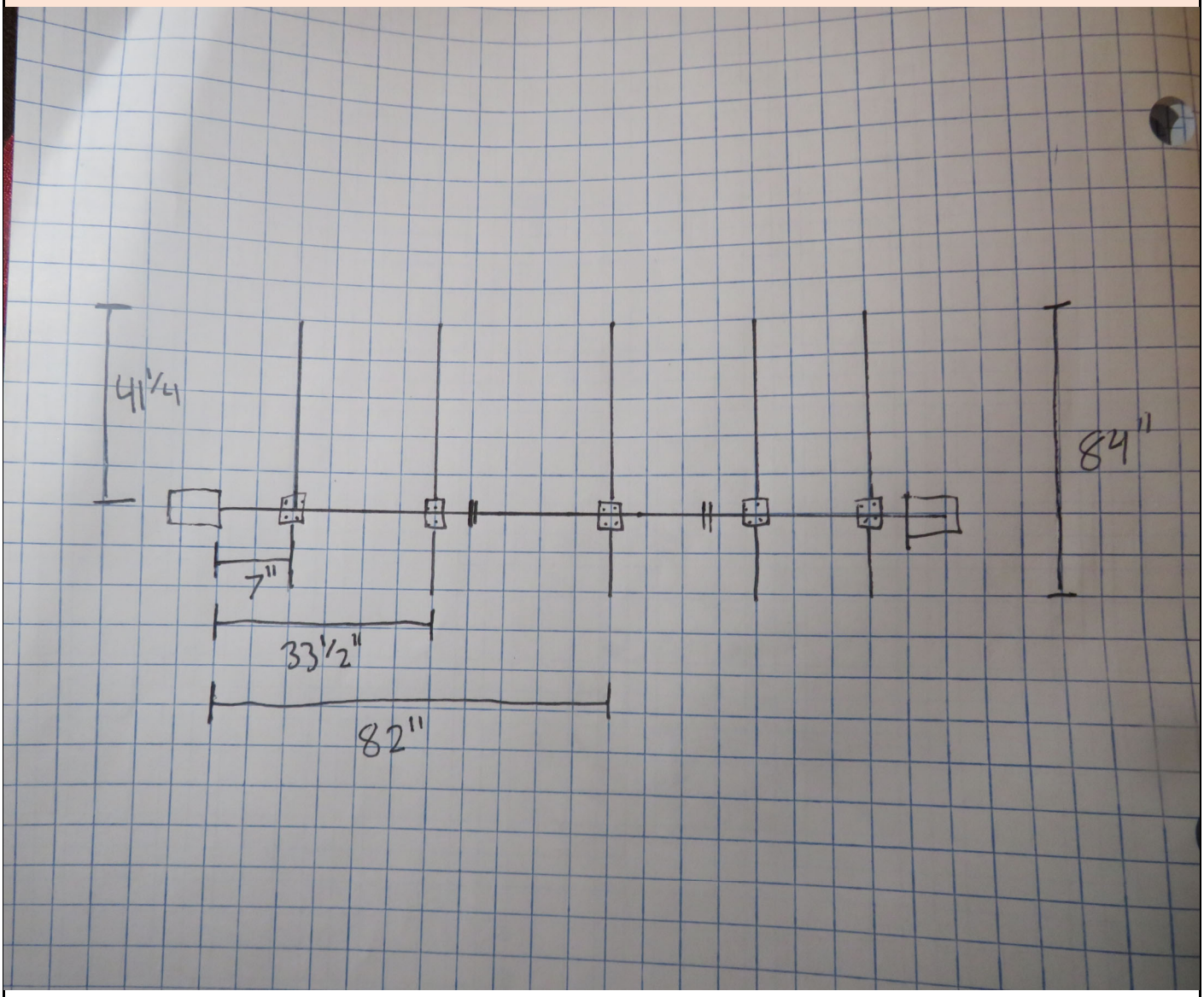
FCC #
1220789

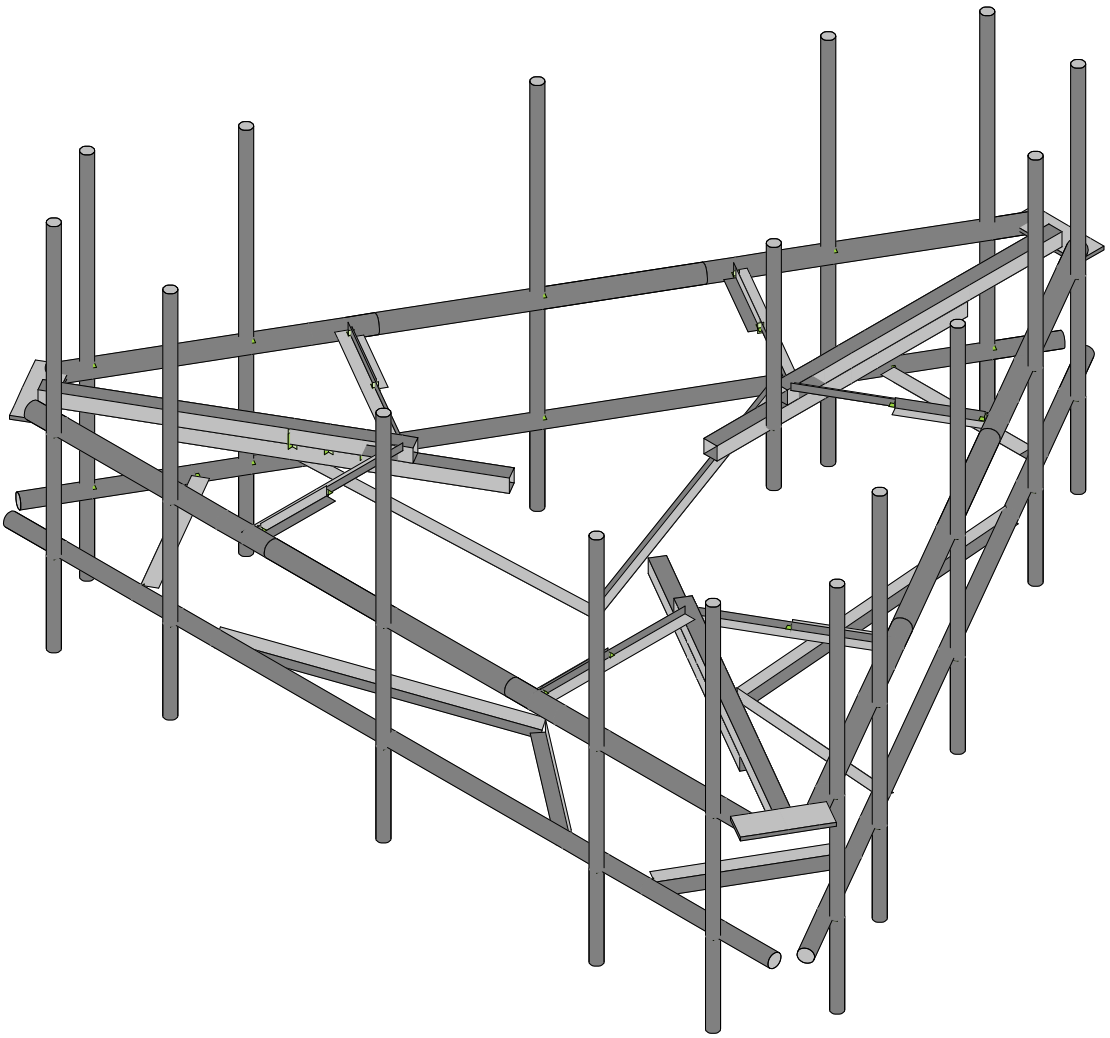
Tower Owner:	SBA	**Mapping Date:**	10/1/2021
Site Name:	Waterbury 3 CT	**Tower Type:**	Monopole
Site Number or ID:	467353	**Tower Height (Ft.):**	
Mapping Contractor:	Colliers	**Mount Elevation (Ft.):**	149

Please Insert Sketches of the Antenna Mount

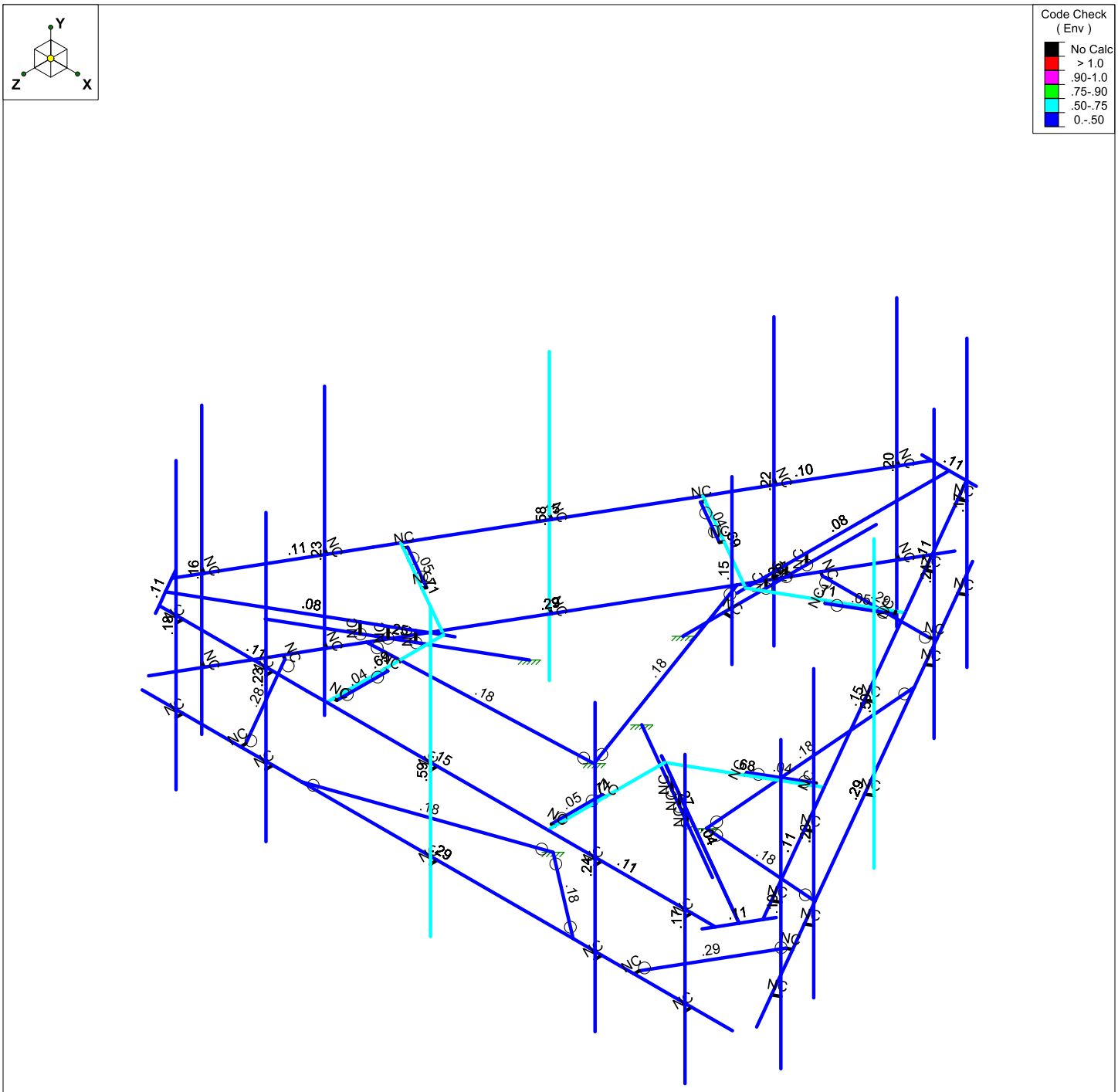


Please Insert Sketches of the Antenna Mount, cont'd



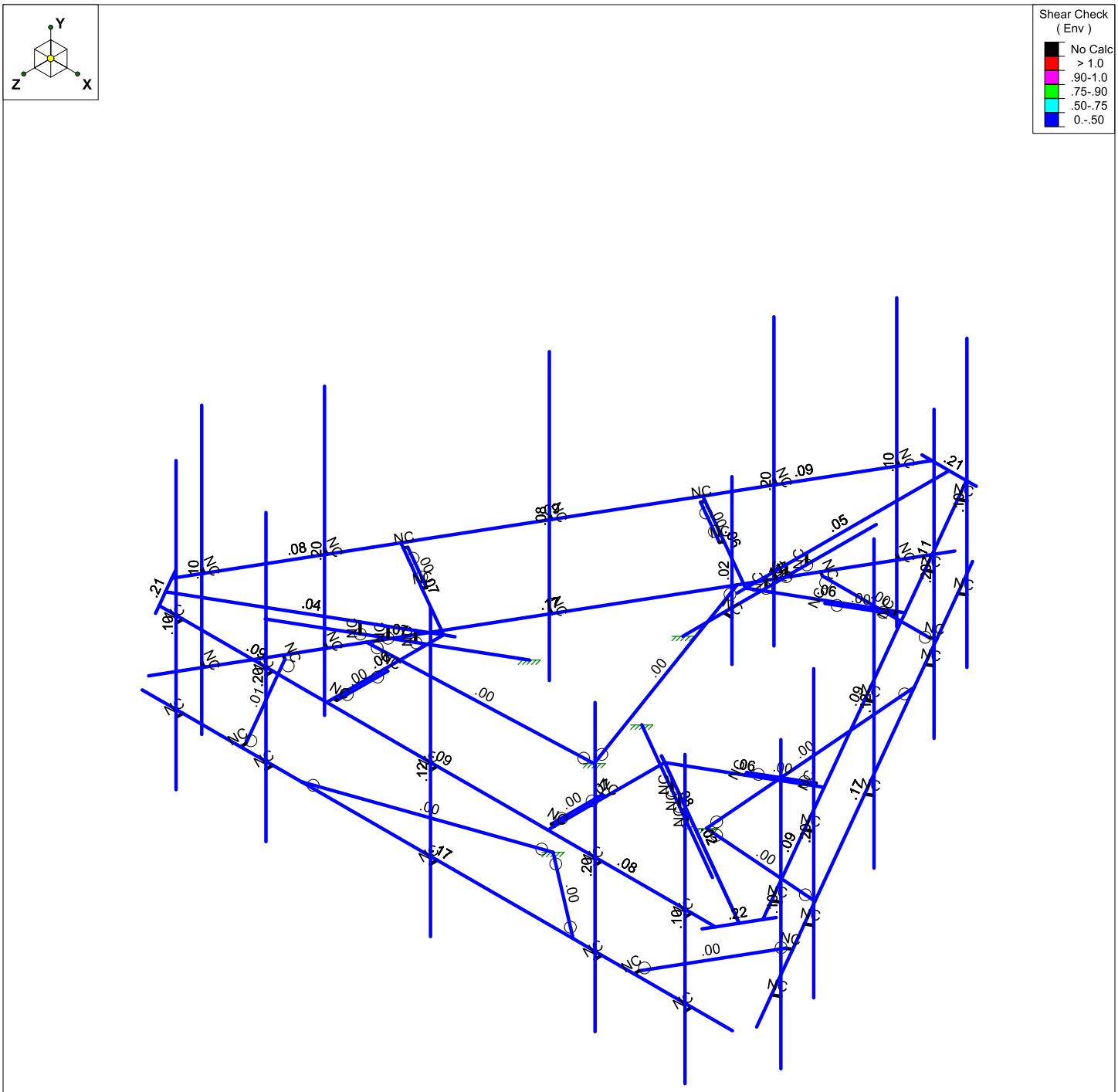


		SK - 1
		Oct 21, 2021 at 10:50 AM
		467353-VZW_MT_LO_H.r3d



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

		SK - 2
		Oct 21, 2021 at 10:50 AM
		467353-VZW_MT_LO_H.r3d



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

		SK - 3
		Oct 21, 2021 at 10:50 AM
		467353-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					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					9	
40	Structure Di	None						59	9	
41	Structure Wo (0 Deg)	None						118		
42	Structure Wo (30 Deg)	None						118		
43	Structure Wo (60 Deg)	None						118		
44	Structure Wo (90 Deg)	None						118		
45	Structure Wo (120 D...	None						118		
46	Structure Wo (150 D...	None						118		
47	Structure Wo (180 D...	None						118		
48	Structure Wo (210 D...	None						118		
49	Structure Wo (240 D...	None						118		
50	Structure Wo (270 D...	None						118		
51	Structure Wo (300 D...	None						118		
52	Structure Wo (330 D...	None						118		
53	Structure Wi (0 Deg)	None						118		
54	Structure Wi (30 Deg)	None						118		
55	Structure Wi (60 Deg)	None						118		
56	Structure Wi (90 Deg)	None						118		

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						118		
58	Structure Wi (150 De...	None						118		
59	Structure Wi (180 De...	None						118		
60	Structure Wi (210 De...	None						118		
61	Structure Wi (240 De...	None						118		
62	Structure Wi (270 De...	None						118		
63	Structure Wi (300 De...	None						118		
64	Structure Wi (330 De...	None						118		
65	Structure Wm (0 Deg)	None						118		
66	Structure Wm (30 De...	None						118		
67	Structure Wm (60 De...	None						118		
68	Structure Wm (90 De...	None						118		
69	Structure Wm (120 D...	None						118		
70	Structure Wm (150 D...	None						118		
71	Structure Wm (180 D...	None						118		
72	Structure Wm (210 D...	None						118		
73	Structure Wm (240 D...	None						118		
74	Structure Wm (270 D...	None						118		
75	Structure Wm (300 D...	None						118		
76	Structure Wm (330 D...	None						118		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					111			
82	Antenna Eh (0 Deg)	None					74			
83	Antenna Eh (90 Deg)	None					74			
84	Structure Ev	ELY								
85	Structure Eh (0 Deg)	ELZ	-.03							
86	Structure Eh (90 Deg)	ELX			.03					
87	BLC 39 Transient Are...	None						69		
88	BLC 40 Transient Are...	None						69		

Load Combinations

	Description	Solve	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1														
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1														
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1														
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1														
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1														
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1														
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1														
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1														
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1														
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1														
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1														
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1														
13	1.2D + 1.0Di + 1.0Wi (0 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0Wi (30 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0Di + 1.0Wi (60 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1.0Wi (90 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										
17	1.2D + 1.0Di + 1.0Wi (120 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0Di + 1.0Wi (150 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1.0Wi (180 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1.0Wi (210 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
21	1.2D + 1.0Di + 1.0Wi (240 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (270 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (300 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (330 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0Wm (0 ...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0Wm (60...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0Wm (90...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0Wm (12...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0Wm (15...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0Wm (18...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0Wm (21...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0Wm (24...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0Wm (27...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0Wm (33...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0Wm (0 ...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0Wm (60...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0Wm (90...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0Wm (12...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0Wm (15...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0Wm (18...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0Wm (21...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0Wm (24...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0Wm (27...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0Wm (33...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0Eh (0 Deg)		Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		E...	1	E...					
53	1.2D + 1.0Ev + 1.0Eh (30 D...		Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	E...	.866	E...	.5				
54	1.2D + 1.0Ev + 1.0Eh (60 D...		Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	E...	.5	E...	.866				
55	1.2D + 1.0Ev + 1.0Eh (90 D...		Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	E...		E...	1				
56	1.2D + 1.0Ev + 1.0Eh (120 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	E...	-.5	E...	.866				
57	1.2D + 1.0Ev + 1.0Eh (150 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	.5	E...	-.8...	E...	.5				
58	1.2D + 1.0Ev + 1.0Eh (180 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		E...	-1	E...					
59	1.2D + 1.0Ev + 1.0Eh (210 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	-.5	E...	-.8...	E...	-.5				
60	1.2D + 1.0Ev + 1.0Eh (240 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.8...	E...	-.5	E...	-.8...				
61	1.2D + 1.0Ev + 1.0Eh (270 ...		Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	E...		E...	-1				
62	1.2D + 1.0Ev + 1.0Eh (300 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.8...	E...	.5	E...	-.8...				
63	1.2D + 1.0Ev + 1.0Eh (330 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	E...	.866	E...	-.5				
64	0.9D - 1.0Ev + 1.0Eh (0 Deg)		Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		E...	1	E...					
65	0.9D - 1.0Ev + 1.0Eh (30 De...		Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	E...	.866	E...	.5				
66	0.9D - 1.0Ev + 1.0Eh (60 De...		Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	E...	.5	E...	.866				
67	0.9D - 1.0Ev + 1.0Eh (90 De...		Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	E...		E...	1				
68	0.9D - 1.0Ev + 1.0Eh (120 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	E...	-.5	E...	.866				
69	0.9D - 1.0Ev + 1.0Eh (150 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	.5	E...	-.8...	E...	.5				
70	0.9D - 1.0Ev + 1.0Eh (180 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		E...	-1	E...					
71	0.9D - 1.0Ev + 1.0Eh (210 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	-.5	E...	-.8...	E...	-.5				
72	0.9D - 1.0Ev + 1.0Eh (240 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.8...	E...	-.5	E...	-.8...				
73	0.9D - 1.0Ev + 1.0Eh (270 D...		Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	E...		E...	-1				
74	0.9D - 1.0Ev + 1.0Eh (300 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.8...	E...	.5	E...	-.8...				
75	0.9D - 1.0Ev + 1.0Eh (330 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	E...	.866	E...	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	0	0	0	
2	N2	6.833333	0	4.4375	0	
3	N3	-6.833333	0	4.4375	0	
4	N14	0.426321	0	-8.13659	0	
5	N15	7.259654	0	3.69909	0	
6	N26	-7.259654	0	3.69909	0	
7	N27	-0.426321	0	-8.13659	0	
8	N38	-0.	0	-8.13659	0	
9	N39	-0.	0	-2.928257	0	
10	N40	-7.046494	0	4.068295	0	
11	N41	-2.535945	0	1.464128	0	
12	N42	7.046494	0	4.068295	0	
13	N43	2.535945	0	1.464128	0	
14	N44	-0.	-.25	-6.344924	0	
15	N45	-0.	-.25	-1.594924	0	
16	N46	-0.	0	-4.63659	0	
17	N47	-0.	0	-4.13659	0	
18	N48	-0.	0	-3.63659	0	
19	N49	-0.	-.25	-4.63659	0	
20	N50	-0.	-.25	-4.13659	0	
21	N51	-0.	-.25	-3.63659	0	
22	N71	-3.208333	0	4.4375	0	
23	N69	-0.	0	-3.13659	0	
24	N70	-2.716367	0	1.568295	0	
25	N71A	2.716367	0	1.568295	0	
26	N72	3.208333	0	4.4375	0	
27	N73	5.447154	0	0.559748	0	
28	N76	2.238821	0	-4.997248	0	
29	N77	-2.238821	0	-4.997248	0	
30	N80	-5.447154	0	0.559748	0	
31	N97	-6.25	0	4.4375	0	
32	N98	-6.25	0	4.604167	0	
33	N103	0.	0	4.4375	0	
34	N104	0.	0	4.604167	0	
35	N109	4.041667	0	4.4375	0	
36	N110	4.041667	0	4.604167	0	
37	N115	6.25	0	4.4375	0	
38	N116	6.25	0	4.604167	0	
39	N72A	-4.041667	0	4.4375	0	
40	N77A	-4.041667	0	4.604167	0	
41	N60A	-6.25	3.458333	4.604167	0	
42	N61A	0.	3.458333	4.604167	0	
43	N62A	4.041667	3.458333	4.604167	0	
44	N63A	6.25	3.458333	4.604167	0	
45	N64A	-4.041667	3.458333	4.604167	0	
46	N65A	-6.25	-3.541667	4.604167	0	
47	N66A	0.	-3.541667	4.604167	0	
48	N67A	4.041667	-3.541667	4.604167	0	
49	N68	6.25	-3.541667	4.604167	0	
50	N69A	-4.041667	-3.541667	4.604167	0	
51	N71B	6.967988	0	3.193909	0	
52	N72B	7.112325	0	3.110575	0	
53	N73A	3.842988	0	-2.21875	0	
54	N74	3.987325	0	-2.302083	0	
55	N75	1.822154	0	-5.718936	0	
56	N76A	1.966492	0	-5.802269	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
57	N77B	0.717988	0	-7.631409	0	
58	N78	0.862325	0	-7.714742	0	
59	N79	5.863821	0	1.281436	0	
60	N80A	6.008159	0	1.198103	0	
61	N81	7.112325	3.458333	3.110575	0	
62	N82	3.987325	3.458333	-2.302083	0	
63	N83	1.966492	3.458333	-5.802269	0	
64	N84	0.862325	3.458333	-7.714742	0	
65	N85	6.008159	3.458333	1.198103	0	
66	N86	7.112325	-3.541667	3.110575	0	
67	N87	3.987325	-3.541667	-2.302083	0	
68	N88	1.966492	-3.541667	-5.802269	0	
69	N89	0.862325	-3.541667	-7.714742	0	
70	N90	6.008159	-3.541667	1.198103	0	
71	N95	-0.717988	0	-7.631409	0	
72	N96	-0.862325	0	-7.714742	0	
73	N97A	-3.842988	0	-2.21875	0	
74	N98A	-3.987325	0	-2.302083	0	
75	N99	-5.863821	0	1.281436	0	
76	N100	-6.008159	0	1.198103	0	
77	N101	-6.967988	0	3.193909	0	
78	N102	-7.112325	0	3.110575	0	
79	N103A	-1.822154	0	-5.718936	0	
80	N104A	-1.966492	0	-5.802269	0	
81	N105	-0.862325	3.458333	-7.714742	0	
82	N106	-3.987325	3.458333	-2.302083	0	
83	N107	-6.008159	3.458333	1.198103	0	
84	N108	-7.112325	3.458333	3.110575	0	
85	N109A	-1.966492	3.458333	-5.802269	0	
86	N110A	-0.862325	-3.541667	-7.714742	0	
87	N111	-3.987325	-3.541667	-2.302083	0	
88	N112	-6.008159	-3.541667	1.198103	0	
89	N113	-7.112325	-3.541667	3.110575	0	
90	N114	-1.966492	-3.541667	-5.802269	0	
91	N94	-4.015405	0	2.318295	0	
92	N95A	-3.582392	0	2.068295	0	
93	N96A	-3.14938	0	1.818295	0	
94	N97B	-4.015405	-.25	2.318295	0	
95	N98B	-3.582392	-.25	2.068295	0	
96	N99A	-3.14938	-.25	1.818295	0	
97	N102A	4.015405	0	2.318295	0	
98	N103B	3.582392	0	2.068295	0	
99	N104B	3.14938	0	1.818295	0	
100	N105A	4.015405	-.25	2.318295	0	
101	N106A	3.582392	-.25	2.068295	0	
102	N107B	3.14938	-.25	1.818295	0	
103	N107A	-2.716367	0	4.4375	0	
104	N111A	2.716367	0	4.4375	0	
105	N110B	5.201171	0	0.133693	0	
106	N112A	-2.484804	0	-4.571193	0	
107	N112B	2.484804	0	-4.571193	0	
108	N115A	-5.201171	0	0.133693	0	
109	N113A	-2.716367	0	3.020833	0	
110	N115B	2.716367	0	3.020833	0	
111	N115C	-5.520912	0	3.1875	0	
112	N116A	5.520912	0	3.1875	0	
113	N117	-0.	0	-6.375	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
114	N122	-2.633034	0	4.270833	0	
115	N123	-2.633034	0	3.020833	0	
116	N124	2.633034	0	4.270833	0	
117	N125	2.633034	0	3.020833	0	
118	N134A	-0.666667	0	-8.13659	0	
119	N135A	0.666667	0	-8.13659	0	
120	N136	-6.713161	0	4.645645	0	
121	N137	-7.379827	0	3.490945	0	
122	N138	7.379827	0	3.490945	0	
123	N139	6.713161	0	4.645645	0	
124	N140	-0.	-.25	-2.594924	0	
125	N141	0.208333	-.25	-2.594924	0	
126	N142	0.208333	-1.25	-2.594924	0	
127	N143	0.208333	2.75	-2.594924	0	
128	N144	-5.542978	0	3.20024	0	
129	N145	-2.716367	0	4.270833	0	
130	N146	2.716367	0	4.270833	0	
131	N147	3.974302	0	0.842026	0	
132	N148	1.257935	0	-3.862859	0	
133	N149	5.015167	0	0.144857	0	
134	N150	3.932635	0	0.769857	0	
135	N151	2.382133	0	-4.415691	0	
136	N152	1.299602	0	-3.790691	0	
137	N153	5.056834	0	0.217026	0	
138	N154	2.340467	0	-4.487859	0	
139	N155	-1.257935	0	-3.862859	0	
140	N156	-3.974302	0	0.842026	0	
141	N157	-2.382133	0	-4.415691	0	
142	N158	-1.299602	0	-3.790691	0	
143	N159	-5.015167	0	0.144857	0	
144	N160	-3.932635	0	0.769857	0	
145	N161	-2.340467	0	-4.487859	0	
146	N162	-5.056834	0	0.217026	0	
147	N151A	-1.242402	0	-3.853891	0	
148	N148A	-5.494865	-.25	3.172462	0	
149	N149A	-1.381244	-.25	0.797462	0	
150	N150A	5.494865	-.25	3.172462	0	
151	N151B	1.381244	-.25	0.797462	0	
152	N152A	-2.277778	0	4.4375	0	
153	N153A	2.277778	0	4.4375	0	
154	N154A	4.981877	0	-0.246137	0	
155	N155A	2.704099	0	-4.191363	0	
156	N156A	-2.704099	0	-4.191363	0	
157	N157A	-4.981877	0	-0.246137	0	
158	N158A	7.25	-2	4.4375	0	
159	N159A	-7.25	-2	4.4375	0	
160	N160A	-6.25	-2	4.4375	0	
161	N161A	-6.25	-2	4.604167	0	
162	N162A	0.	-2	4.4375	0	
163	N163	0.	-2	4.604167	0	
164	N164	4.041667	-2	4.4375	0	
165	N165	4.041667	-2	4.604167	0	
166	N166	6.25	-2	4.4375	0	
167	N167	6.25	-2	4.604167	0	
168	N168	-4.041667	-2	4.4375	0	
169	N169	-4.041667	-2	4.604167	0	
170	N170	0.217988	-2	-8.497434	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
171	N171	7.467988	-2	4.059934	0	
172	N172	6.967988	-2	3.193909	0	
173	N173	7.112325	-2	3.110575	0	
174	N174	3.842988	-2	-2.21875	0	
175	N175	3.987325	-2	-2.302083	0	
176	N176	1.822154	-2	-5.718936	0	
177	N177	1.966492	-2	-5.802269	0	
178	N178	0.717988	-2	-7.631409	0	
179	N179	0.862325	-2	-7.714742	0	
180	N180	5.863821	-2	1.281436	0	
181	N181	6.008159	-2	1.198103	0	
182	N182	-7.467988	-2	4.059934	0	
183	N183	-0.217988	-2	-8.497434	0	
184	N184	-0.717988	-2	-7.631409	0	
185	N185	-0.862325	-2	-7.714742	0	
186	N186	-3.842988	-2	-2.21875	0	
187	N187	-3.987325	-2	-2.302083	0	
188	N188	-5.863821	-2	1.281436	0	
189	N189	-6.008159	-2	1.198103	0	
190	N190	-6.967988	-2	3.193909	0	
191	N191	-7.112325	-2	3.110575	0	
192	N192	-1.822154	-2	-5.718936	0	
193	N193	-1.966492	-2	-5.802269	0	
194	N194	-4.833333	-2	4.4375	0	
195	N195	-4.833333	-2	4.3125	0	
196	N196	4.833333	-2	4.4375	0	
197	N197	4.833333	-2	4.3125	0	
198	N198	6.259654	-2	1.967039	0	
199	N199	6.151401	-2	2.029539	0	
200	N200	1.426321	-2	-6.404539	0	
201	N201	1.318068	-2	-6.342039	0	
202	N202	-1.426321	-2	-6.404539	0	
203	N203	-1.318068	-2	-6.342039	0	
204	N204	-6.259654	-2	1.967039	0	
205	N205	-6.151401	-2	2.029539	0	
206	N207	-3.333333	-2	4.4375	0	
207	N208	3.333333	-2	4.4375	0	
208	N212A	0.	-3.25	1.594924	0	
209	N209	5.509654	-2	0.668001	0	
210	N210	2.176321	-2	-5.105501	0	
211	N211	1.381244	-3.25	-0.797462	0	
212	N212	-2.176321	-2	-5.105501	0	
213	N213	-5.509654	-2	0.668001	0	
214	N214	-1.381244	-3.25	-0.797462	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr. B	Typical	2.07	2.85	2.85	5.69
3	Connector Pipe	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
4	Standoff Horizontal	HSS3X3X6	Beam	Tube	A500 Gr. B 42	Typical	3.39	3.78	3.78	6.64
5	Cross Brace	L2.25X1.5X4	Beam	Single Angle	A36 Gr.36	Typical	.875	.157	.44	.017
6	TES CB	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
7	Grating Brace	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical	.944	.346	.346	.021
8	Corner Plate	PL3/4x6	Beam	RECT	A36 Gr.36	Typical	4.5	.211	13.5	.777

Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
9	End Plate	PL3/4x6	Beam	RECT	A36 Gr.36	Typical	4.5	.211	13.5	.777
10	V-Bracing	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
11	Support Rail	PIPE 2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
12	Support Rail Corner	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M40	N38	N39			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
2	M41	N40	N41			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
3	M42	N42	N43			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
4	M43	N44	N45			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
5	M44	N48	N51			RIGID	None	None	RIGID	Typical
6	M45	N47	N50			RIGID	None	None	RIGID	Typical
7	M46	N46	N49			RIGID	None	None	RIGID	Typical
8	M74	N98	N97			RIGID	None	None	RIGID	Typical
9	M77	N104	N103			RIGID	None	None	RIGID	Typical
10	M80	N110	N109			RIGID	None	None	RIGID	Typical
11	M107	N116	N115			RIGID	None	None	RIGID	Typical
12	M37A	N3	N152A			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
13	M38A	N15	N154A			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
14	M39A	N27	N156A			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
15	M40A	N77A	N72A			RIGID	None	None	RIGID	Typical
16	MP5A	N60A	N65A			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
17	MP4A	N64A	N69A			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
18	MP3A	N61A	N66A			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
19	MP2A	N62A	N67A			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
20	MP1A	N63A	N68			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
21	M38B	N72B	N71B			RIGID	None	None	RIGID	Typical
22	M39B	N74	N73A			RIGID	None	None	RIGID	Typical
23	M40B	N76A	N75			RIGID	None	None	RIGID	Typical
24	M41A	N78	N77B			RIGID	None	None	RIGID	Typical
25	M43A	N80A	N79			RIGID	None	None	RIGID	Typical
26	MP5C	N81	N86			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
27	MP4C	N85	N90			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
28	MP3C	N82	N87			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
29	MP2C	N83	N88			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
30	MP1C	N84	N89			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
31	M49A	N96	N95			RIGID	None	None	RIGID	Typical
32	M50A	N98A	N97A			RIGID	None	None	RIGID	Typical
33	M51A	N100	N99			RIGID	None	None	RIGID	Typical
34	M52A	N102	N101			RIGID	None	None	RIGID	Typical
35	M54A	N104A	N103A			RIGID	None	None	RIGID	Typical
36	MP5B	N105	N110A			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
37	MP4B	N109A	N114			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
38	MP3B	N106	N111			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
39	MP2B	N107	N112			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
40	MP1B	N108	N113			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
41	M53	N96A	N99A			RIGID	None	None	RIGID	Typical
42	M54	N95A	N98B			RIGID	None	None	RIGID	Typical
43	M55B	N94	N97B			RIGID	None	None	RIGID	Typical
44	M57B	N104B	N107B			RIGID	None	None	RIGID	Typical
45	M58B	N103B	N106A			RIGID	None	None	RIGID	Typical
46	M59B	N102A	N105A			RIGID	None	None	RIGID	Typical
47	M61	N42	N43			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
48	M62	N71A	N111A		270	Cross Brace	Beam	Single Angle	A36 Gr.36	Typical
49	M63	N110B	N71A		270	Cross Brace	Beam	Single Angle	A36 Gr.36	Typical
50	M57	N69	N112B		270	Cross Brace	Beam	Single Angle	A36 Gr.36	Typical
51	M58	N112A	N69		270	Cross Brace	Beam	Single Angle	A36 Gr.36	Typical
52	M59	N70	N115A		270	Cross Brace	Beam	Single Angle	A36 Gr.36	Typical
53	M60	N107A	N70		270	Cross Brace	Beam	Single Angle	A36 Gr.36	Typical
54	M61A	N122	N123			Grating Brace	Beam	Single Angle	A36 Gr.36	Typical
55	M62A	N123	N113A			RIGID	None	None	RIGID	Typical
56	M63A	N124	N125		270	Grating Brace	Beam	Single Angle	A36 Gr.36	Typical
57	M64	N125	N115B			RIGID	None	None	RIGID	Typical
58	M72A	N134A	N135A		90	End Plate	Beam	RECT	A36 Gr.36	Typical
59	M71A	N136	N137		90	End Plate	Beam	RECT	A36 Gr.36	Typical
60	M72B	N138	N139		90	End Plate	Beam	RECT	A36 Gr.36	Typical
61	M73	N140	N141			RIGID	None	None	RIGID	Typical
62	M74A	N143	N142			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
63	M75	N122	N145			RIGID	None	None	RIGID	Typical
64	M76	N146	N124			RIGID	None	None	RIGID	Typical
65	M69	N149	N150			Grating Brace	Beam	Single Angle	A36 Gr.36	Typical
66	M70	N150	N147			RIGID	None	None	RIGID	Typical
67	M71	N151	N152		270	Grating Brace	Beam	Single Angle	A36 Gr.36	Typical
68	M72	N152	N148			RIGID	None	None	RIGID	Typical
69	M73A	N149	N153			RIGID	None	None	RIGID	Typical
70	M74B	N154	N151			RIGID	None	None	RIGID	Typical
71	M75A	N157	N158			Grating Brace	Beam	Single Angle	A36 Gr.36	Typical
72	M76A	N158	N155			RIGID	None	None	RIGID	Typical
73	M77A	N159	N160		270	Grating Brace	Beam	Single Angle	A36 Gr.36	Typical
74	M78	N160	N156			RIGID	None	None	RIGID	Typical
75	M79	N157	N161			RIGID	None	None	RIGID	Typical
76	M80A	N162	N159			RIGID	None	None	RIGID	Typical
77	M79A	N148A	N149A			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
78	M80B	N150A	N151B			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
79	M81	N152A	N153A			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
80	M82	N153A	N2			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
81	M83	N154A	N155A			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
82	M84	N155A	N14			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
83	M85	N156A	N157A			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
84	M86	N157A	N26			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
85	M85A	N161A	N160A			RIGID	None	None	RIGID	Typical
86	M86A	N163	N162A			RIGID	None	None	RIGID	Typical
87	M87	N165	N164			RIGID	None	None	RIGID	Typical
88	M88	N167	N166			RIGID	None	None	RIGID	Typical
89	M89	N169	N168			RIGID	None	None	RIGID	Typical
90	M90	N159A	N158A			Support Rail	Beam	Pipe	A53 Gr. B	Typical
91	M91	N173	N172			RIGID	None	None	RIGID	Typical
92	M92	N175	N174			RIGID	None	None	RIGID	Typical
93	M93	N177	N176			RIGID	None	None	RIGID	Typical
94	M94	N179	N178			RIGID	None	None	RIGID	Typical
95	M95	N181	N180			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
96	M96	N171	N170			Support Rail	Beam	Pipe	A53 Gr. B	Typical
97	M97	N185	N184			RIGID	None	None	RIGID	Typical
98	M98	N187	N186			RIGID	None	None	RIGID	Typical
99	M99	N189	N188			RIGID	None	None	RIGID	Typical
100	M100	N191	N190			RIGID	None	None	RIGID	Typical
101	M101	N193	N192			RIGID	None	None	RIGID	Typical
102	M102	N183	N182			Support Rail	Beam	Pipe	A53 Gr. B	Typical
103	M103	N194	N195			RIGID	None	None	RIGID	Typical
104	M104	N196	N197			RIGID	None	None	RIGID	Typical
105	M105	N198	N199			RIGID	None	None	RIGID	Typical
106	M106	N200	N201			RIGID	None	None	RIGID	Typical
107	M107A	N202	N203			RIGID	None	None	RIGID	Typical
108	M108	N204	N205			RIGID	None	None	RIGID	Typical
109	M109	N195	N205		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
110	M110	N199	N197		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
111	M111	N203	N201		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
112	M112	N207	N212A			V-Bracing	Beam	Single Angle	A36 Gr.36	Typical
113	M113	N212A	N208			V-Bracing	Beam	Single Angle	A36 Gr.36	Typical
114	M114	N209	N211			V-Bracing	Beam	Single Angle	A36 Gr.36	Typical
115	M115	N211	N210			V-Bracing	Beam	Single Angle	A36 Gr.36	Typical
116	M116	N212	N214			V-Bracing	Beam	Single Angle	A36 Gr.36	Typical
117	M117	N214	N213			V-Bracing	Beam	Single Angle	A36 Gr.36	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M40	Standoff Ho...	5.208			Lbyy						Lateral
2	M41	Standoff Ho...	5.208			Lbyy						Lateral
3	M42	Standoff Ho...	5.208			Lbyy						Lateral
4	M43	Standoff Ho...	4.75			Lbyy						Lateral
5	M37A	Face Horizo...	4.556			Lbyy						Lateral
6	M38A	Face Horizo...	4.556			Lbyy						Lateral
7	M39A	Face Horizo...	4.556			Lbyy						Lateral
8	MP5A	Antenna Pipe	7									Lateral
9	MP4A	Antenna Pipe	7									Lateral
10	MP3A	Antenna Pipe	7									Lateral
11	MP2A	Antenna Pipe	7									Lateral
12	MP1A	Antenna Pipe	7									Lateral
13	MP5C	Antenna Pipe	7									Lateral
14	MP4C	Antenna Pipe	7									Lateral
15	MP3C	Antenna Pipe	7									Lateral
16	MP2C	Antenna Pipe	7									Lateral
17	MP1C	Antenna Pipe	7									Lateral
18	MP5B	Antenna Pipe	7									Lateral
19	MP4B	Antenna Pipe	7									Lateral
20	MP3B	Antenna Pipe	7									Lateral
21	MP2B	Antenna Pipe	7									Lateral
22	MP1B	Antenna Pipe	7									Lateral
23	M61	Standoff Ho...	5.208			Lbyy						Lateral
24	M62	Cross Brace	2.869			Lbyy						Lateral
25	M63	Cross Brace	2.869			Lbyy						Lateral
26	M57	Cross Brace	2.869			Lbyy						Lateral
27	M58	Cross Brace	2.869			Lbyy						Lateral
28	M59	Cross Brace	2.869			Lbyy						Lateral
29	M60	Cross Brace	2.869			Lbyy						Lateral
30	M61A	Grating Brace	1.25			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
31	M63A	Grating Brace	1.25			Lbyy						Lateral
32	M72A	End Plate	1.333			Lbyy						Lateral
33	M71A	End Plate	1.333			Lbyy						Lateral
34	M72B	End Plate	1.333			Lbyy						Lateral
35	M74A	Antenna Pipe	4									Lateral
36	M69	Grating Brace	1.25			Lbyy						Lateral
37	M71	Grating Brace	1.25			Lbyy						Lateral
38	M75A	Grating Brace	1.25			Lbyy						Lateral
39	M77A	Grating Brace	1.25			Lbyy						Lateral
40	M79A	Standoff Ho...	4.75			Lbyy						Lateral
41	M80B	Standoff Ho...	4.75			Lbyy						Lateral
42	M81	Face Horizo...	4.556			Lbyy						Lateral
43	M82	Face Horizo...	4.556			Lbyy						Lateral
44	M83	Face Horizo...	4.556			Lbyy						Lateral
45	M84	Face Horizo...	4.556			Lbyy						Lateral
46	M85	Face Horizo...	4.556			Lbyy						Lateral
47	M86	Face Horizo...	4.556			Lbyy						Lateral
48	M90	Support Rail	14.5			Lbyy						Lateral
49	M96	Support Rail	14.5			Lbyy						Lateral
50	M102	Support Rail	14.5			Lbyy						Lateral
51	M109	Support Rail...	2.636			Lbyy						Lateral
52	M110	Support Rail...	2.636			Lbyy						Lateral
53	M111	Support Rail...	2.636			Lbyy						Lateral
54	M112	V-Bracing	4.556			Lbyy						Lateral
55	M113	V-Bracing	4.556			Lbyy						Lateral
56	M114	V-Bracing	4.556			Lbyy						Lateral
57	M115	V-Bracing	4.556			Lbyy						Lateral
58	M116	V-Bracing	4.556			Lbyy						Lateral
59	M117	V-Bracing	4.556			Lbyy						Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-70.3	2.5
2	MP3A	My	.035	2.5
3	MP3A	Mz	0	2.5
4	MP3B	Y	-70.3	2.5
5	MP3B	My	.018	2.5
6	MP3B	Mz	.03	2.5
7	MP3C	Y	-70.3	2.5
8	MP3C	My	-.018	2.5
9	MP3C	Mz	-.03	2.5
10	MP3A	Y	-23	1
11	MP3A	My	-.011	1
12	MP3A	Mz	.017	1
13	MP3A	Y	-23	6
14	MP3A	My	-.011	6
15	MP3A	Mz	.017	6
16	MP3B	Y	-23	1
17	MP3B	My	-.021	1
18	MP3B	Mz	-.001	1
19	MP3B	Y	-23	6
20	MP3B	My	-.021	6
21	MP3B	Mz	-.001	6
22	MP3C	Y	-23	1
23	MP3C	My	.021	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3C	Mz	.001	1
25	MP3C	Y	-23	6
26	MP3C	My	.021	6
27	MP3C	Mz	.001	6
28	MP3A	Y	-23	1
29	MP3A	My	-.011	1
30	MP3A	Mz	-.017	1
31	MP3A	Y	-23	6
32	MP3A	My	-.011	6
33	MP3A	Mz	-.017	6
34	MP3B	Y	-23	1
35	MP3B	My	.017	1
36	MP3B	Mz	-.011	1
37	MP3B	Y	-23	6
38	MP3B	My	.017	6
39	MP3B	Mz	-.011	6
40	MP3C	Y	-23	1
41	MP3C	My	-.009	1
42	MP3C	Mz	.019	1
43	MP3C	Y	-23	6
44	MP3C	My	-.009	6
45	MP3C	Mz	.019	6
46	MP4A	Y	-43.55	2.5
47	MP4A	My	-.022	2.5
48	MP4A	Mz	0	2.5
49	MP4A	Y	-43.55	4.5
50	MP4A	My	-.022	4.5
51	MP4A	Mz	0	4.5
52	MP4B	Y	-43.55	2.5
53	MP4B	My	-.011	2.5
54	MP4B	Mz	-.019	2.5
55	MP4B	Y	-43.55	4.5
56	MP4B	My	-.011	4.5
57	MP4B	Mz	-.019	4.5
58	MP4C	Y	-43.55	2.5
59	MP4C	My	.011	2.5
60	MP4C	Mz	.019	2.5
61	MP4C	Y	-43.55	4.5
62	MP4C	My	.011	4.5
63	MP4C	Mz	.019	4.5
64	M74A	Y	-32	1.5
65	M74A	My	0	1.5
66	M74A	Mz	0	1.5
67	MP2A	Y	-74.7	2.5
68	MP2A	My	.037	2.5
69	MP2A	Mz	0	2.5
70	MP2B	Y	-74.7	2.5
71	MP2B	My	.019	2.5
72	MP2B	Mz	.032	2.5
73	MP2C	Y	-74.7	2.5
74	MP2C	My	-.019	2.5
75	MP2C	Mz	-.032	2.5
76	MP2A	Y	-6	2
77	MP2A	My	-.003	2
78	MP2A	Mz	0	2
79	MP2A	Y	-6	5
80	MP2A	My	-.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2A	Mz	0	5
82	MP2B	Y	-6	2
83	MP2B	My	.002	2
84	MP2B	Mz	-.003	2
85	MP2B	Y	-6	5
86	MP2B	My	.002	5
87	MP2B	Mz	-.003	5
88	MP2C	Y	-6	2
89	MP2C	My	.002	2
90	MP2C	Mz	.003	2
91	MP2C	Y	-6	5
92	MP2C	My	.002	5
93	MP2C	Mz	.003	5
94	MP5A	Y	-6	2
95	MP5A	My	-.003	2
96	MP5A	Mz	0	2
97	MP5A	Y	-6	5
98	MP5A	My	-.003	5
99	MP5A	Mz	0	5
100	MP5B	Y	-6	2
101	MP5B	My	.002	2
102	MP5B	Mz	-.003	2
103	MP5B	Y	-6	5
104	MP5B	My	.002	5
105	MP5B	Mz	-.003	5
106	MP5C	Y	-6	2
107	MP5C	My	.002	2
108	MP5C	Mz	.003	2
109	MP5C	Y	-6	5
110	MP5C	My	.002	5
111	MP5C	Mz	.003	5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-43.058	2.5
2	MP3A	My	.022	2.5
3	MP3A	Mz	0	2.5
4	MP3B	Y	-43.058	2.5
5	MP3B	My	.011	2.5
6	MP3B	Mz	.019	2.5
7	MP3C	Y	-43.058	2.5
8	MP3C	My	-.011	2.5
9	MP3C	Mz	-.019	2.5
10	MP3A	Y	-83.017	1
11	MP3A	My	-.042	1
12	MP3A	Mz	.062	1
13	MP3A	Y	-83.017	6
14	MP3A	My	-.042	6
15	MP3A	Mz	.062	6
16	MP3B	Y	-83.017	1
17	MP3B	My	-.075	1
18	MP3B	Mz	-.005	1
19	MP3B	Y	-83.017	6
20	MP3B	My	-.075	6
21	MP3B	Mz	-.005	6
22	MP3C	Y	-83.017	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3C	My	.075	1
24	MP3C	Mz	.005	1
25	MP3C	Y	-83.017	6
26	MP3C	My	.075	6
27	MP3C	Mz	.005	6
28	MP3A	Y	-83.017	1
29	MP3A	My	-.042	1
30	MP3A	Mz	-.062	1
31	MP3A	Y	-83.017	6
32	MP3A	My	-.042	6
33	MP3A	Mz	-.062	6
34	MP3B	Y	-83.017	1
35	MP3B	My	.062	1
36	MP3B	Mz	-.042	1
37	MP3B	Y	-83.017	6
38	MP3B	My	.062	6
39	MP3B	Mz	-.042	6
40	MP3C	Y	-83.017	1
41	MP3C	My	-.033	1
42	MP3C	Mz	.067	1
43	MP3C	Y	-83.017	6
44	MP3C	My	-.033	6
45	MP3C	Mz	.067	6
46	MP4A	Y	-35.859	2.5
47	MP4A	My	-.018	2.5
48	MP4A	Mz	0	2.5
49	MP4A	Y	-35.859	4.5
50	MP4A	My	-.018	4.5
51	MP4A	Mz	0	4.5
52	MP4B	Y	-35.859	2.5
53	MP4B	My	-.009	2.5
54	MP4B	Mz	-.016	2.5
55	MP4B	Y	-35.859	4.5
56	MP4B	My	-.009	4.5
57	MP4B	Mz	-.016	4.5
58	MP4C	Y	-35.859	2.5
59	MP4C	My	.009	2.5
60	MP4C	Mz	.016	2.5
61	MP4C	Y	-35.859	4.5
62	MP4C	My	.009	4.5
63	MP4C	Mz	.016	4.5
64	M74A	Y	-88.508	1.5
65	M74A	My	0	1.5
66	M74A	Mz	0	1.5
67	MP2A	Y	-45.214	2.5
68	MP2A	My	.023	2.5
69	MP2A	Mz	0	2.5
70	MP2B	Y	-45.214	2.5
71	MP2B	My	.011	2.5
72	MP2B	Mz	.02	2.5
73	MP2C	Y	-45.214	2.5
74	MP2C	My	-.011	2.5
75	MP2C	Mz	-.02	2.5
76	MP2A	Y	-40.158	2
77	MP2A	My	-.02	2
78	MP2A	Mz	0	2
79	MP2A	Y	-40.158	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP2A	My	-.02	5
81	MP2A	Mz	0	5
82	MP2B	Y	-40.158	2
83	MP2B	My	.01	2
84	MP2B	Mz	-.017	2
85	MP2B	Y	-40.158	5
86	MP2B	My	.01	5
87	MP2B	Mz	-.017	5
88	MP2C	Y	-40.158	2
89	MP2C	My	.01	2
90	MP2C	Mz	.017	2
91	MP2C	Y	-40.158	5
92	MP2C	My	.01	5
93	MP2C	Mz	.017	5
94	MP5A	Y	-40.158	2
95	MP5A	My	-.02	2
96	MP5A	Mz	0	2
97	MP5A	Y	-40.158	5
98	MP5A	My	-.02	5
99	MP5A	Mz	0	5
100	MP5B	Y	-40.158	2
101	MP5B	My	.01	2
102	MP5B	Mz	-.017	2
103	MP5B	Y	-40.158	5
104	MP5B	My	.01	5
105	MP5B	Mz	-.017	5
106	MP5C	Y	-40.158	2
107	MP5C	My	.01	2
108	MP5C	Mz	.017	2
109	MP5C	Y	-40.158	5
110	MP5C	My	.01	5
111	MP5C	Mz	.017	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2.5
2	MP3A	Z	-74.392	2.5
3	MP3A	Mx	0	2.5
4	MP3B	X	0	2.5
5	MP3B	Z	-52.537	2.5
6	MP3B	Mx	-.023	2.5
7	MP3C	X	0	2.5
8	MP3C	Z	-52.537	2.5
9	MP3C	Mx	.023	2.5
10	MP3A	X	0	1
11	MP3A	Z	-196.324	1
12	MP3A	Mx	-.147	1
13	MP3A	X	0	6
14	MP3A	Z	-196.324	6
15	MP3A	Mx	-.147	6
16	MP3B	X	0	1
17	MP3B	Z	-158.55	1
18	MP3B	Mx	.009	1
19	MP3B	X	0	6
20	MP3B	Z	-158.55	6
21	MP3B	Mx	.009	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP3C	X	0	1
23	MP3C	Z	-158.55	1
24	MP3C	Mx	-.009	1
25	MP3C	X	0	6
26	MP3C	Z	-158.55	6
27	MP3C	Mx	-.009	6
28	MP3A	X	0	1
29	MP3A	Z	-196.324	1
30	MP3A	Mx	.147	1
31	MP3A	X	0	6
32	MP3A	Z	-196.324	6
33	MP3A	Mx	.147	6
34	MP3B	X	0	1
35	MP3B	Z	-145.959	1
36	MP3B	Mx	.073	1
37	MP3B	X	0	6
38	MP3B	Z	-145.959	6
39	MP3B	Mx	.073	6
40	MP3C	X	0	1
41	MP3C	Z	-158.55	1
42	MP3C	Mx	-.128	1
43	MP3C	X	0	6
44	MP3C	Z	-158.55	6
45	MP3C	Mx	-.128	6
46	MP4A	X	0	2.5
47	MP4A	Z	-93.487	2.5
48	MP4A	Mx	0	2.5
49	MP4A	X	0	4.5
50	MP4A	Z	-93.487	4.5
51	MP4A	Mx	0	4.5
52	MP4B	X	0	2.5
53	MP4B	Z	-50.822	2.5
54	MP4B	Mx	.022	2.5
55	MP4B	X	0	4.5
56	MP4B	Z	-50.822	4.5
57	MP4B	Mx	.022	4.5
58	MP4C	X	0	2.5
59	MP4C	Z	-50.822	2.5
60	MP4C	Mx	-.022	2.5
61	MP4C	X	0	4.5
62	MP4C	Z	-50.822	4.5
63	MP4C	Mx	-.022	4.5
64	M74A	X	0	1.5
65	M74A	Z	-132.797	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	0	2.5
68	MP2A	Z	-74.392	2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	-55.894	2.5
72	MP2B	Mx	-.024	2.5
73	MP2C	X	0	2.5
74	MP2C	Z	-55.894	2.5
75	MP2C	Mx	.024	2.5
76	MP2A	X	0	2
77	MP2A	Z	-86.128	2
78	MP2A	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP2A	X	0	5
80	MP2A	Z	-86.128	5
81	MP2A	Mx	0	5
82	MP2B	X	0	2
83	MP2B	Z	-75.459	2
84	MP2B	Mx	.033	2
85	MP2B	X	0	5
86	MP2B	Z	-75.459	5
87	MP2B	Mx	.033	5
88	MP2C	X	0	2
89	MP2C	Z	-75.459	2
90	MP2C	Mx	-.033	2
91	MP2C	X	0	5
92	MP2C	Z	-75.459	5
93	MP2C	Mx	-.033	5
94	MP5A	X	0	2
95	MP5A	Z	-86.128	2
96	MP5A	Mx	0	2
97	MP5A	X	0	5
98	MP5A	Z	-86.128	5
99	MP5A	Mx	0	5
100	MP5B	X	0	2
101	MP5B	Z	-75.459	2
102	MP5B	Mx	.033	2
103	MP5B	X	0	5
104	MP5B	Z	-75.459	5
105	MP5B	Mx	.033	5
106	MP5C	X	0	2
107	MP5C	Z	-75.459	2
108	MP5C	Mx	-.033	2
109	MP5C	X	0	5
110	MP5C	Z	-75.459	5
111	MP5C	Mx	-.033	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	33.554	2.5
2	MP3A	Z	-58.116	2.5
3	MP3A	Mx	.017	2.5
4	MP3B	X	33.554	2.5
5	MP3B	Z	-58.116	2.5
6	MP3B	Mx	-.017	2.5
7	MP3C	X	33.554	2.5
8	MP3C	Z	-58.116	2.5
9	MP3C	Mx	.017	2.5
10	MP3A	X	91.866	1
11	MP3A	Z	-159.117	1
12	MP3A	Mx	-.165	1
13	MP3A	X	91.866	6
14	MP3A	Z	-159.117	6
15	MP3A	Mx	-.165	6
16	MP3B	X	91.866	1
17	MP3B	Z	-159.117	1
18	MP3B	Mx	-.073	1
19	MP3B	X	91.866	6
20	MP3B	Z	-159.117	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3B	Mx	-.073	6
22	MP3C	X	91.866	1
23	MP3C	Z	-159.117	1
24	MP3C	Mx	.073	1
25	MP3C	X	91.866	6
26	MP3C	Z	-159.117	6
27	MP3C	Mx	.073	6
28	MP3A	X	91.866	1
29	MP3A	Z	-159.117	1
30	MP3A	Mx	.073	1
31	MP3A	X	91.866	6
32	MP3A	Z	-159.117	6
33	MP3A	Mx	.073	6
34	MP3B	X	79.275	1
35	MP3B	Z	-137.308	1
36	MP3B	Mx	.128	1
37	MP3B	X	79.275	6
38	MP3B	Z	-137.308	6
39	MP3B	Mx	.128	6
40	MP3C	X	91.866	1
41	MP3C	Z	-159.117	1
42	MP3C	Mx	-.165	1
43	MP3C	X	91.866	6
44	MP3C	Z	-159.117	6
45	MP3C	Mx	-.165	6
46	MP4A	X	39.633	2.5
47	MP4A	Z	-68.646	2.5
48	MP4A	Mx	-.02	2.5
49	MP4A	X	39.633	4.5
50	MP4A	Z	-68.646	4.5
51	MP4A	Mx	-.02	4.5
52	MP4B	X	39.633	2.5
53	MP4B	Z	-68.646	2.5
54	MP4B	Mx	.02	2.5
55	MP4B	X	39.633	4.5
56	MP4B	Z	-68.646	4.5
57	MP4B	Mx	.02	4.5
58	MP4C	X	39.633	2.5
59	MP4C	Z	-68.646	2.5
60	MP4C	Mx	-.02	2.5
61	MP4C	X	39.633	4.5
62	MP4C	Z	-68.646	4.5
63	MP4C	Mx	-.02	4.5
64	M74A	X	61.612	1.5
65	M74A	Z	-106.716	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	34.113	2.5
68	MP2A	Z	-59.085	2.5
69	MP2A	Mx	.017	2.5
70	MP2B	X	34.113	2.5
71	MP2B	Z	-59.085	2.5
72	MP2B	Mx	-.017	2.5
73	MP2C	X	34.113	2.5
74	MP2C	Z	-59.085	2.5
75	MP2C	Mx	.017	2.5
76	MP2A	X	41.286	2
77	MP2A	Z	-71.509	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP2A	Mx	-.021	2
79	MP2A	X	41.286	5
80	MP2A	Z	-71.509	5
81	MP2A	Mx	-.021	5
82	MP2B	X	35.951	2
83	MP2B	Z	-62.269	2
84	MP2B	Mx	.036	2
85	MP2B	X	35.951	5
86	MP2B	Z	-62.269	5
87	MP2B	Mx	.036	5
88	MP2C	X	41.286	2
89	MP2C	Z	-71.509	2
90	MP2C	Mx	-.021	2
91	MP2C	X	41.286	5
92	MP2C	Z	-71.509	5
93	MP2C	Mx	-.021	5
94	MP5A	X	41.286	2
95	MP5A	Z	-71.509	2
96	MP5A	Mx	-.021	2
97	MP5A	X	41.286	5
98	MP5A	Z	-71.509	5
99	MP5A	Mx	-.021	5
100	MP5B	X	35.951	2
101	MP5B	Z	-62.269	2
102	MP5B	Mx	.036	2
103	MP5B	X	35.951	5
104	MP5B	Z	-62.269	5
105	MP5B	Mx	.036	5
106	MP5C	X	41.286	2
107	MP5C	Z	-71.509	2
108	MP5C	Mx	-.021	2
109	MP5C	X	41.286	5
110	MP5C	Z	-71.509	5
111	MP5C	Mx	-.021	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	45.498	2.5
2	MP3A	Z	-26.268	2.5
3	MP3A	Mx	.023	2.5
4	MP3B	X	64.426	2.5
5	MP3B	Z	-37.196	2.5
6	MP3B	Mx	0	2.5
7	MP3C	X	64.426	2.5
8	MP3C	Z	-37.196	2.5
9	MP3C	Mx	0	2.5
10	MP3A	X	137.308	1
11	MP3A	Z	-79.275	1
12	MP3A	Mx	-.128	1
13	MP3A	X	137.308	6
14	MP3A	Z	-79.275	6
15	MP3A	Mx	-.128	6
16	MP3B	X	170.021	1
17	MP3B	Z	-98.162	1
18	MP3B	Mx	-.147	1
19	MP3B	X	170.021	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP3B	Z	-98.162	6
21	MP3B	Mx	-.147	6
22	MP3C	X	170.021	1
23	MP3C	Z	-98.162	1
24	MP3C	Mx	.147	1
25	MP3C	X	170.021	6
26	MP3C	Z	-98.162	6
27	MP3C	Mx	.147	6
28	MP3A	X	137.308	1
29	MP3A	Z	-79.275	1
30	MP3A	Mx	-.009	1
31	MP3A	X	137.308	6
32	MP3A	Z	-79.275	6
33	MP3A	Mx	-.009	6
34	MP3B	X	159.117	1
35	MP3B	Z	-91.866	1
36	MP3B	Mx	.165	1
37	MP3B	X	159.117	6
38	MP3B	Z	-91.866	6
39	MP3B	Mx	.165	6
40	MP3C	X	170.021	1
41	MP3C	Z	-98.162	1
42	MP3C	Mx	-.147	1
43	MP3C	X	170.021	6
44	MP3C	Z	-98.162	6
45	MP3C	Mx	-.147	6
46	MP4A	X	44.013	2.5
47	MP4A	Z	-25.411	2.5
48	MP4A	Mx	-.022	2.5
49	MP4A	X	44.013	4.5
50	MP4A	Z	-25.411	4.5
51	MP4A	Mx	-.022	4.5
52	MP4B	X	80.963	2.5
53	MP4B	Z	-46.744	2.5
54	MP4B	Mx	0	2.5
55	MP4B	X	80.963	4.5
56	MP4B	Z	-46.744	4.5
57	MP4B	Mx	0	4.5
58	MP4C	X	80.963	2.5
59	MP4C	Z	-46.744	2.5
60	MP4C	Mx	0	2.5
61	MP4C	X	80.963	4.5
62	MP4C	Z	-46.744	4.5
63	MP4C	Mx	0	4.5
64	M74A	X	115.006	1.5
65	M74A	Z	-66.399	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	48.405	2.5
68	MP2A	Z	-27.947	2.5
69	MP2A	Mx	.024	2.5
70	MP2B	X	64.426	2.5
71	MP2B	Z	-37.196	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	64.426	2.5
74	MP2C	Z	-37.196	2.5
75	MP2C	Mx	0	2.5
76	MP2A	X	65.349	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP2A	Z	-37.729	2
78	MP2A	Mx	-.033	2
79	MP2A	X	65.349	5
80	MP2A	Z	-37.729	5
81	MP2A	Mx	-.033	5
82	MP2B	X	65.349	2
83	MP2B	Z	-37.729	2
84	MP2B	Mx	.033	2
85	MP2B	X	65.349	5
86	MP2B	Z	-37.729	5
87	MP2B	Mx	.033	5
88	MP2C	X	74.589	2
89	MP2C	Z	-43.064	2
90	MP2C	Mx	0	2
91	MP2C	X	74.589	5
92	MP2C	Z	-43.064	5
93	MP2C	Mx	0	5
94	MP5A	X	65.349	2
95	MP5A	Z	-37.729	2
96	MP5A	Mx	-.033	2
97	MP5A	X	65.349	5
98	MP5A	Z	-37.729	5
99	MP5A	Mx	-.033	5
100	MP5B	X	65.349	2
101	MP5B	Z	-37.729	2
102	MP5B	Mx	.033	2
103	MP5B	X	65.349	5
104	MP5B	Z	-37.729	5
105	MP5B	Mx	.033	5
106	MP5C	X	74.589	2
107	MP5C	Z	-43.064	2
108	MP5C	Mx	0	2
109	MP5C	X	74.589	5
110	MP5C	Z	-43.064	5
111	MP5C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	45.252	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	.023	2.5
4	MP3B	X	67.107	2.5
5	MP3B	Z	0	2.5
6	MP3B	Mx	.017	2.5
7	MP3C	X	67.107	2.5
8	MP3C	Z	0	2.5
9	MP3C	Mx	-.017	2.5
10	MP3A	X	145.959	1
11	MP3A	Z	0	1
12	MP3A	Mx	-.073	1
13	MP3A	X	145.959	6
14	MP3A	Z	0	6
15	MP3A	Mx	-.073	6
16	MP3B	X	183.733	1
17	MP3B	Z	0	1
18	MP3B	Mx	-.165	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP3B	X	183.733	6
20	MP3B	Z	0	6
21	MP3B	Mx	-.165	6
22	MP3C	X	183.733	1
23	MP3C	Z	0	1
24	MP3C	Mx	.165	1
25	MP3C	X	183.733	6
26	MP3C	Z	0	6
27	MP3C	Mx	.165	6
28	MP3A	X	145.959	1
29	MP3A	Z	0	1
30	MP3A	Mx	-.073	1
31	MP3A	X	145.959	6
32	MP3A	Z	0	6
33	MP3A	Mx	-.073	6
34	MP3B	X	196.324	1
35	MP3B	Z	0	1
36	MP3B	Mx	.147	1
37	MP3B	X	196.324	6
38	MP3B	Z	0	6
39	MP3B	Mx	.147	6
40	MP3C	X	183.733	1
41	MP3C	Z	0	1
42	MP3C	Mx	-.073	1
43	MP3C	X	183.733	6
44	MP3C	Z	0	6
45	MP3C	Mx	-.073	6
46	MP4A	X	36.6	2.5
47	MP4A	Z	0	2.5
48	MP4A	Mx	-.018	2.5
49	MP4A	X	36.6	4.5
50	MP4A	Z	0	4.5
51	MP4A	Mx	-.018	4.5
52	MP4B	X	79.266	2.5
53	MP4B	Z	0	2.5
54	MP4B	Mx	-.02	2.5
55	MP4B	X	79.266	4.5
56	MP4B	Z	0	4.5
57	MP4B	Mx	-.02	4.5
58	MP4C	X	79.266	2.5
59	MP4C	Z	0	2.5
60	MP4C	Mx	.02	2.5
61	MP4C	X	79.266	4.5
62	MP4C	Z	0	4.5
63	MP4C	Mx	.02	4.5
64	M74A	X	151.942	1.5
65	M74A	Z	0	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	49.727	2.5
68	MP2A	Z	0	2.5
69	MP2A	Mx	.025	2.5
70	MP2B	X	68.226	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	.017	2.5
73	MP2C	X	68.226	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	-.017	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP2A	X	71.902	2
77	MP2A	Z	0	2
78	MP2A	Mx	-.036	2
79	MP2A	X	71.902	5
80	MP2A	Z	0	5
81	MP2A	Mx	-.036	5
82	MP2B	X	82.571	2
83	MP2B	Z	0	2
84	MP2B	Mx	.021	2
85	MP2B	X	82.571	5
86	MP2B	Z	0	5
87	MP2B	Mx	.021	5
88	MP2C	X	82.571	2
89	MP2C	Z	0	2
90	MP2C	Mx	.021	2
91	MP2C	X	82.571	5
92	MP2C	Z	0	5
93	MP2C	Mx	.021	5
94	MP5A	X	71.902	2
95	MP5A	Z	0	2
96	MP5A	Mx	-.036	2
97	MP5A	X	71.902	5
98	MP5A	Z	0	5
99	MP5A	Mx	-.036	5
100	MP5B	X	82.571	2
101	MP5B	Z	0	2
102	MP5B	Mx	.021	2
103	MP5B	X	82.571	5
104	MP5B	Z	0	5
105	MP5B	Mx	.021	5
106	MP5C	X	82.571	2
107	MP5C	Z	0	2
108	MP5C	Mx	.021	2
109	MP5C	X	82.571	5
110	MP5C	Z	0	5
111	MP5C	Mx	.021	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	45.498	2.5
2	MP3A	Z	26.268	2.5
3	MP3A	Mx	.023	2.5
4	MP3B	X	45.498	2.5
5	MP3B	Z	26.268	2.5
6	MP3B	Mx	.023	2.5
7	MP3C	X	45.498	2.5
8	MP3C	Z	26.268	2.5
9	MP3C	Mx	-.023	2.5
10	MP3A	X	137.308	1
11	MP3A	Z	79.275	1
12	MP3A	Mx	-.009	1
13	MP3A	X	137.308	6
14	MP3A	Z	79.275	6
15	MP3A	Mx	-.009	6
16	MP3B	X	137.308	1
17	MP3B	Z	79.275	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3B	Mx	-.128	1
19	MP3B	X	137.308	6
20	MP3B	Z	79.275	6
21	MP3B	Mx	-.128	6
22	MP3C	X	137.308	1
23	MP3C	Z	79.275	1
24	MP3C	Mx	.128	1
25	MP3C	X	137.308	6
26	MP3C	Z	79.275	6
27	MP3C	Mx	.128	6
28	MP3A	X	137.308	1
29	MP3A	Z	79.275	1
30	MP3A	Mx	-.128	1
31	MP3A	X	137.308	6
32	MP3A	Z	79.275	6
33	MP3A	Mx	-.128	6
34	MP3B	X	159.117	1
35	MP3B	Z	91.866	1
36	MP3B	Mx	.073	1
37	MP3B	X	159.117	6
38	MP3B	Z	91.866	6
39	MP3B	Mx	.073	6
40	MP3C	X	137.308	1
41	MP3C	Z	79.275	1
42	MP3C	Mx	.009	1
43	MP3C	X	137.308	6
44	MP3C	Z	79.275	6
45	MP3C	Mx	.009	6
46	MP4A	X	44.013	2.5
47	MP4A	Z	25.411	2.5
48	MP4A	Mx	-.022	2.5
49	MP4A	X	44.013	4.5
50	MP4A	Z	25.411	4.5
51	MP4A	Mx	-.022	4.5
52	MP4B	X	44.013	2.5
53	MP4B	Z	25.411	2.5
54	MP4B	Mx	-.022	2.5
55	MP4B	X	44.013	4.5
56	MP4B	Z	25.411	4.5
57	MP4B	Mx	-.022	4.5
58	MP4C	X	44.013	2.5
59	MP4C	Z	25.411	2.5
60	MP4C	Mx	.022	2.5
61	MP4C	X	44.013	4.5
62	MP4C	Z	25.411	4.5
63	MP4C	Mx	.022	4.5
64	M74A	X	139.876	1.5
65	M74A	Z	80.757	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	48.405	2.5
68	MP2A	Z	27.947	2.5
69	MP2A	Mx	.024	2.5
70	MP2B	X	48.405	2.5
71	MP2B	Z	27.947	2.5
72	MP2B	Mx	.024	2.5
73	MP2C	X	48.405	2.5
74	MP2C	Z	27.947	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2C	Mx	-.024	2.5
76	MP2A	X	65.349	2
77	MP2A	Z	37.729	2
78	MP2A	Mx	-.033	2
79	MP2A	X	65.349	5
80	MP2A	Z	37.729	5
81	MP2A	Mx	-.033	5
82	MP2B	X	74.589	2
83	MP2B	Z	43.064	2
84	MP2B	Mx	0	2
85	MP2B	X	74.589	5
86	MP2B	Z	43.064	5
87	MP2B	Mx	0	5
88	MP2C	X	65.349	2
89	MP2C	Z	37.729	2
90	MP2C	Mx	.033	2
91	MP2C	X	65.349	5
92	MP2C	Z	37.729	5
93	MP2C	Mx	.033	5
94	MP5A	X	65.349	2
95	MP5A	Z	37.729	2
96	MP5A	Mx	-.033	2
97	MP5A	X	65.349	5
98	MP5A	Z	37.729	5
99	MP5A	Mx	-.033	5
100	MP5B	X	74.589	2
101	MP5B	Z	43.064	2
102	MP5B	Mx	0	2
103	MP5B	X	74.589	5
104	MP5B	Z	43.064	5
105	MP5B	Mx	0	5
106	MP5C	X	65.349	2
107	MP5C	Z	37.729	2
108	MP5C	Mx	.033	2
109	MP5C	X	65.349	5
110	MP5C	Z	37.729	5
111	MP5C	Mx	.033	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	33.554	2.5
2	MP3A	Z	58.116	2.5
3	MP3A	Mx	.017	2.5
4	MP3B	X	22.626	2.5
5	MP3B	Z	39.189	2.5
6	MP3B	Mx	.023	2.5
7	MP3C	X	22.626	2.5
8	MP3C	Z	39.189	2.5
9	MP3C	Mx	-.023	2.5
10	MP3A	X	91.866	1
11	MP3A	Z	159.117	1
12	MP3A	Mx	.073	1
13	MP3A	X	91.866	6
14	MP3A	Z	159.117	6
15	MP3A	Mx	.073	6
16	MP3B	X	72.98	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3B	Z	126.404	1
18	MP3B	Mx	-.073	1
19	MP3B	X	72.98	6
20	MP3B	Z	126.404	6
21	MP3B	Mx	-.073	6
22	MP3C	X	72.98	1
23	MP3C	Z	126.404	1
24	MP3C	Mx	.073	1
25	MP3C	X	72.98	6
26	MP3C	Z	126.404	6
27	MP3C	Mx	.073	6
28	MP3A	X	91.866	1
29	MP3A	Z	159.117	1
30	MP3A	Mx	-.165	1
31	MP3A	X	91.866	6
32	MP3A	Z	159.117	6
33	MP3A	Mx	-.165	6
34	MP3B	X	79.275	1
35	MP3B	Z	137.308	1
36	MP3B	Mx	-.009	1
37	MP3B	X	79.275	6
38	MP3B	Z	137.308	6
39	MP3B	Mx	-.009	6
40	MP3C	X	72.98	1
41	MP3C	Z	126.404	1
42	MP3C	Mx	.073	1
43	MP3C	X	72.98	6
44	MP3C	Z	126.404	6
45	MP3C	Mx	.073	6
46	MP4A	X	39.633	2.5
47	MP4A	Z	68.646	2.5
48	MP4A	Mx	-.02	2.5
49	MP4A	X	39.633	4.5
50	MP4A	Z	68.646	4.5
51	MP4A	Mx	-.02	4.5
52	MP4B	X	18.3	2.5
53	MP4B	Z	31.697	2.5
54	MP4B	Mx	-.018	2.5
55	MP4B	X	18.3	4.5
56	MP4B	Z	31.697	4.5
57	MP4B	Mx	-.018	4.5
58	MP4C	X	18.3	2.5
59	MP4C	Z	31.697	2.5
60	MP4C	Mx	.018	2.5
61	MP4C	X	18.3	4.5
62	MP4C	Z	31.697	4.5
63	MP4C	Mx	.018	4.5
64	M74A	X	75.971	1.5
65	M74A	Z	131.586	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	34.113	2.5
68	MP2A	Z	59.085	2.5
69	MP2A	Mx	.017	2.5
70	MP2B	X	24.864	2.5
71	MP2B	Z	43.065	2.5
72	MP2B	Mx	.025	2.5
73	MP2C	X	24.864	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2C	Z	43.065	2.5
75	MP2C	Mx	-.025	2.5
76	MP2A	X	41.286	2
77	MP2A	Z	71.509	2
78	MP2A	Mx	-.021	2
79	MP2A	X	41.286	5
80	MP2A	Z	71.509	5
81	MP2A	Mx	-.021	5
82	MP2B	X	41.286	2
83	MP2B	Z	71.509	2
84	MP2B	Mx	-.021	2
85	MP2B	X	41.286	5
86	MP2B	Z	71.509	5
87	MP2B	Mx	-.021	5
88	MP2C	X	35.951	2
89	MP2C	Z	62.269	2
90	MP2C	Mx	.036	2
91	MP2C	X	35.951	5
92	MP2C	Z	62.269	5
93	MP2C	Mx	.036	5
94	MP5A	X	41.286	2
95	MP5A	Z	71.509	2
96	MP5A	Mx	-.021	2
97	MP5A	X	41.286	5
98	MP5A	Z	71.509	5
99	MP5A	Mx	-.021	5
100	MP5B	X	41.286	2
101	MP5B	Z	71.509	2
102	MP5B	Mx	-.021	2
103	MP5B	X	41.286	5
104	MP5B	Z	71.509	5
105	MP5B	Mx	-.021	5
106	MP5C	X	35.951	2
107	MP5C	Z	62.269	2
108	MP5C	Mx	.036	2
109	MP5C	X	35.951	5
110	MP5C	Z	62.269	5
111	MP5C	Mx	.036	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2.5
2	MP3A	Z	74.392	2.5
3	MP3A	Mx	0	2.5
4	MP3B	X	0	2.5
5	MP3B	Z	52.537	2.5
6	MP3B	Mx	.023	2.5
7	MP3C	X	0	2.5
8	MP3C	Z	52.537	2.5
9	MP3C	Mx	-.023	2.5
10	MP3A	X	0	1
11	MP3A	Z	196.324	1
12	MP3A	Mx	.147	1
13	MP3A	X	0	6
14	MP3A	Z	196.324	6
15	MP3A	Mx	.147	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3B	X	0	1
17	MP3B	Z	158.55	1
18	MP3B	Mx	-.009	1
19	MP3B	X	0	6
20	MP3B	Z	158.55	6
21	MP3B	Mx	-.009	6
22	MP3C	X	0	1
23	MP3C	Z	158.55	1
24	MP3C	Mx	.009	1
25	MP3C	X	0	6
26	MP3C	Z	158.55	6
27	MP3C	Mx	.009	6
28	MP3A	X	0	1
29	MP3A	Z	196.324	1
30	MP3A	Mx	-.147	1
31	MP3A	X	0	6
32	MP3A	Z	196.324	6
33	MP3A	Mx	-.147	6
34	MP3B	X	0	1
35	MP3B	Z	145.959	1
36	MP3B	Mx	-.073	1
37	MP3B	X	0	6
38	MP3B	Z	145.959	6
39	MP3B	Mx	-.073	6
40	MP3C	X	0	1
41	MP3C	Z	158.55	1
42	MP3C	Mx	.128	1
43	MP3C	X	0	6
44	MP3C	Z	158.55	6
45	MP3C	Mx	.128	6
46	MP4A	X	0	2.5
47	MP4A	Z	93.487	2.5
48	MP4A	Mx	0	2.5
49	MP4A	X	0	4.5
50	MP4A	Z	93.487	4.5
51	MP4A	Mx	0	4.5
52	MP4B	X	0	2.5
53	MP4B	Z	50.822	2.5
54	MP4B	Mx	-.022	2.5
55	MP4B	X	0	4.5
56	MP4B	Z	50.822	4.5
57	MP4B	Mx	-.022	4.5
58	MP4C	X	0	2.5
59	MP4C	Z	50.822	2.5
60	MP4C	Mx	.022	2.5
61	MP4C	X	0	4.5
62	MP4C	Z	50.822	4.5
63	MP4C	Mx	.022	4.5
64	M74A	X	0	1.5
65	M74A	Z	132.797	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	0	2.5
68	MP2A	Z	74.392	2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	55.894	2.5
72	MP2B	Mx	.024	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP2C	X	0	2.5
74	MP2C	Z	55.894	2.5
75	MP2C	Mx	-.024	2.5
76	MP2A	X	0	2
77	MP2A	Z	86.128	2
78	MP2A	Mx	0	2
79	MP2A	X	0	5
80	MP2A	Z	86.128	5
81	MP2A	Mx	0	5
82	MP2B	X	0	2
83	MP2B	Z	75.459	2
84	MP2B	Mx	-.033	2
85	MP2B	X	0	5
86	MP2B	Z	75.459	5
87	MP2B	Mx	-.033	5
88	MP2C	X	0	2
89	MP2C	Z	75.459	2
90	MP2C	Mx	.033	2
91	MP2C	X	0	5
92	MP2C	Z	75.459	5
93	MP2C	Mx	.033	5
94	MP5A	X	0	2
95	MP5A	Z	86.128	2
96	MP5A	Mx	0	2
97	MP5A	X	0	5
98	MP5A	Z	86.128	5
99	MP5A	Mx	0	5
100	MP5B	X	0	2
101	MP5B	Z	75.459	2
102	MP5B	Mx	-.033	2
103	MP5B	X	0	5
104	MP5B	Z	75.459	5
105	MP5B	Mx	-.033	5
106	MP5C	X	0	2
107	MP5C	Z	75.459	2
108	MP5C	Mx	.033	2
109	MP5C	X	0	5
110	MP5C	Z	75.459	5
111	MP5C	Mx	.033	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-33.554	2.5
2	MP3A	Z	58.116	2.5
3	MP3A	Mx	-.017	2.5
4	MP3B	X	-33.554	2.5
5	MP3B	Z	58.116	2.5
6	MP3B	Mx	.017	2.5
7	MP3C	X	-33.554	2.5
8	MP3C	Z	58.116	2.5
9	MP3C	Mx	-.017	2.5
10	MP3A	X	-91.866	1
11	MP3A	Z	159.117	1
12	MP3A	Mx	.165	1
13	MP3A	X	-91.866	6
14	MP3A	Z	159.117	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3A	Mx	.165	6
16	MP3B	X	-91.866	1
17	MP3B	Z	159.117	1
18	MP3B	Mx	.073	1
19	MP3B	X	-91.866	6
20	MP3B	Z	159.117	6
21	MP3B	Mx	.073	6
22	MP3C	X	-91.866	1
23	MP3C	Z	159.117	1
24	MP3C	Mx	-.073	1
25	MP3C	X	-91.866	6
26	MP3C	Z	159.117	6
27	MP3C	Mx	-.073	6
28	MP3A	X	-91.866	1
29	MP3A	Z	159.117	1
30	MP3A	Mx	-.073	1
31	MP3A	X	-91.866	6
32	MP3A	Z	159.117	6
33	MP3A	Mx	-.073	6
34	MP3B	X	-79.275	1
35	MP3B	Z	137.308	1
36	MP3B	Mx	-.128	1
37	MP3B	X	-79.275	6
38	MP3B	Z	137.308	6
39	MP3B	Mx	-.128	6
40	MP3C	X	-91.866	1
41	MP3C	Z	159.117	1
42	MP3C	Mx	.165	1
43	MP3C	X	-91.866	6
44	MP3C	Z	159.117	6
45	MP3C	Mx	.165	6
46	MP4A	X	-39.633	2.5
47	MP4A	Z	68.646	2.5
48	MP4A	Mx	.02	2.5
49	MP4A	X	-39.633	4.5
50	MP4A	Z	68.646	4.5
51	MP4A	Mx	.02	4.5
52	MP4B	X	-39.633	2.5
53	MP4B	Z	68.646	2.5
54	MP4B	Mx	-.02	2.5
55	MP4B	X	-39.633	4.5
56	MP4B	Z	68.646	4.5
57	MP4B	Mx	-.02	4.5
58	MP4C	X	-39.633	2.5
59	MP4C	Z	68.646	2.5
60	MP4C	Mx	.02	2.5
61	MP4C	X	-39.633	4.5
62	MP4C	Z	68.646	4.5
63	MP4C	Mx	.02	4.5
64	M74A	X	-61.612	1.5
65	M74A	Z	106.716	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-34.113	2.5
68	MP2A	Z	59.085	2.5
69	MP2A	Mx	-.017	2.5
70	MP2B	X	-34.113	2.5
71	MP2B	Z	59.085	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2B	Mx	.017	2.5
73	MP2C	X	-34.113	2.5
74	MP2C	Z	59.085	2.5
75	MP2C	Mx	-.017	2.5
76	MP2A	X	-41.286	2
77	MP2A	Z	71.509	2
78	MP2A	Mx	.021	2
79	MP2A	X	-41.286	5
80	MP2A	Z	71.509	5
81	MP2A	Mx	.021	5
82	MP2B	X	-35.951	2
83	MP2B	Z	62.269	2
84	MP2B	Mx	-.036	2
85	MP2B	X	-35.951	5
86	MP2B	Z	62.269	5
87	MP2B	Mx	-.036	5
88	MP2C	X	-41.286	2
89	MP2C	Z	71.509	2
90	MP2C	Mx	.021	2
91	MP2C	X	-41.286	5
92	MP2C	Z	71.509	5
93	MP2C	Mx	.021	5
94	MP5A	X	-41.286	2
95	MP5A	Z	71.509	2
96	MP5A	Mx	.021	2
97	MP5A	X	-41.286	5
98	MP5A	Z	71.509	5
99	MP5A	Mx	.021	5
100	MP5B	X	-35.951	2
101	MP5B	Z	62.269	2
102	MP5B	Mx	-.036	2
103	MP5B	X	-35.951	5
104	MP5B	Z	62.269	5
105	MP5B	Mx	-.036	5
106	MP5C	X	-41.286	2
107	MP5C	Z	71.509	2
108	MP5C	Mx	.021	2
109	MP5C	X	-41.286	5
110	MP5C	Z	71.509	5
111	MP5C	Mx	.021	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-45.498	2.5
2	MP3A	Z	26.268	2.5
3	MP3A	Mx	-.023	2.5
4	MP3B	X	-64.426	2.5
5	MP3B	Z	37.196	2.5
6	MP3B	Mx	0	2.5
7	MP3C	X	-64.426	2.5
8	MP3C	Z	37.196	2.5
9	MP3C	Mx	0	2.5
10	MP3A	X	-137.308	1
11	MP3A	Z	79.275	1
12	MP3A	Mx	.128	1
13	MP3A	X	-137.308	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP3A	Z	79.275	6
15	MP3A	Mx	.128	6
16	MP3B	X	-170.021	1
17	MP3B	Z	98.162	1
18	MP3B	Mx	.147	1
19	MP3B	X	-170.021	6
20	MP3B	Z	98.162	6
21	MP3B	Mx	.147	6
22	MP3C	X	-170.021	1
23	MP3C	Z	98.162	1
24	MP3C	Mx	-.147	1
25	MP3C	X	-170.021	6
26	MP3C	Z	98.162	6
27	MP3C	Mx	-.147	6
28	MP3A	X	-137.308	1
29	MP3A	Z	79.275	1
30	MP3A	Mx	.009	1
31	MP3A	X	-137.308	6
32	MP3A	Z	79.275	6
33	MP3A	Mx	.009	6
34	MP3B	X	-159.117	1
35	MP3B	Z	91.866	1
36	MP3B	Mx	-.165	1
37	MP3B	X	-159.117	6
38	MP3B	Z	91.866	6
39	MP3B	Mx	-.165	6
40	MP3C	X	-170.021	1
41	MP3C	Z	98.162	1
42	MP3C	Mx	.147	1
43	MP3C	X	-170.021	6
44	MP3C	Z	98.162	6
45	MP3C	Mx	.147	6
46	MP4A	X	-44.013	2.5
47	MP4A	Z	25.411	2.5
48	MP4A	Mx	.022	2.5
49	MP4A	X	-44.013	4.5
50	MP4A	Z	25.411	4.5
51	MP4A	Mx	.022	4.5
52	MP4B	X	-80.963	2.5
53	MP4B	Z	46.744	2.5
54	MP4B	Mx	0	2.5
55	MP4B	X	-80.963	4.5
56	MP4B	Z	46.744	4.5
57	MP4B	Mx	0	4.5
58	MP4C	X	-80.963	2.5
59	MP4C	Z	46.744	2.5
60	MP4C	Mx	0	2.5
61	MP4C	X	-80.963	4.5
62	MP4C	Z	46.744	4.5
63	MP4C	Mx	0	4.5
64	M74A	X	-115.006	1.5
65	M74A	Z	66.399	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-48.405	2.5
68	MP2A	Z	27.947	2.5
69	MP2A	Mx	-.024	2.5
70	MP2B	X	-64.426	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP2B	Z	37.196	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	-64.426	2.5
74	MP2C	Z	37.196	2.5
75	MP2C	Mx	0	2.5
76	MP2A	X	-65.349	2
77	MP2A	Z	37.729	2
78	MP2A	Mx	.033	2
79	MP2A	X	-65.349	5
80	MP2A	Z	37.729	5
81	MP2A	Mx	.033	5
82	MP2B	X	-65.349	2
83	MP2B	Z	37.729	2
84	MP2B	Mx	-.033	2
85	MP2B	X	-65.349	5
86	MP2B	Z	37.729	5
87	MP2B	Mx	-.033	5
88	MP2C	X	-74.589	2
89	MP2C	Z	43.064	2
90	MP2C	Mx	0	2
91	MP2C	X	-74.589	5
92	MP2C	Z	43.064	5
93	MP2C	Mx	0	5
94	MP5A	X	-65.349	2
95	MP5A	Z	37.729	2
96	MP5A	Mx	.033	2
97	MP5A	X	-65.349	5
98	MP5A	Z	37.729	5
99	MP5A	Mx	.033	5
100	MP5B	X	-65.349	2
101	MP5B	Z	37.729	2
102	MP5B	Mx	-.033	2
103	MP5B	X	-65.349	5
104	MP5B	Z	37.729	5
105	MP5B	Mx	-.033	5
106	MP5C	X	-74.589	2
107	MP5C	Z	43.064	2
108	MP5C	Mx	0	2
109	MP5C	X	-74.589	5
110	MP5C	Z	43.064	5
111	MP5C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-45.252	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	-.023	2.5
4	MP3B	X	-67.107	2.5
5	MP3B	Z	0	2.5
6	MP3B	Mx	-.017	2.5
7	MP3C	X	-67.107	2.5
8	MP3C	Z	0	2.5
9	MP3C	Mx	.017	2.5
10	MP3A	X	-145.959	1
11	MP3A	Z	0	1
12	MP3A	Mx	.073	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3A	X	-145.959	6
14	MP3A	Z	0	6
15	MP3A	Mx	.073	6
16	MP3B	X	-183.733	1
17	MP3B	Z	0	1
18	MP3B	Mx	.165	1
19	MP3B	X	-183.733	6
20	MP3B	Z	0	6
21	MP3B	Mx	.165	6
22	MP3C	X	-183.733	1
23	MP3C	Z	0	1
24	MP3C	Mx	-.165	1
25	MP3C	X	-183.733	6
26	MP3C	Z	0	6
27	MP3C	Mx	-.165	6
28	MP3A	X	-145.959	1
29	MP3A	Z	0	1
30	MP3A	Mx	.073	1
31	MP3A	X	-145.959	6
32	MP3A	Z	0	6
33	MP3A	Mx	.073	6
34	MP3B	X	-196.324	1
35	MP3B	Z	0	1
36	MP3B	Mx	-.147	1
37	MP3B	X	-196.324	6
38	MP3B	Z	0	6
39	MP3B	Mx	-.147	6
40	MP3C	X	-183.733	1
41	MP3C	Z	0	1
42	MP3C	Mx	.073	1
43	MP3C	X	-183.733	6
44	MP3C	Z	0	6
45	MP3C	Mx	.073	6
46	MP4A	X	-36.6	2.5
47	MP4A	Z	0	2.5
48	MP4A	Mx	.018	2.5
49	MP4A	X	-36.6	4.5
50	MP4A	Z	0	4.5
51	MP4A	Mx	.018	4.5
52	MP4B	X	-79.266	2.5
53	MP4B	Z	0	2.5
54	MP4B	Mx	.02	2.5
55	MP4B	X	-79.266	4.5
56	MP4B	Z	0	4.5
57	MP4B	Mx	.02	4.5
58	MP4C	X	-79.266	2.5
59	MP4C	Z	0	2.5
60	MP4C	Mx	-.02	2.5
61	MP4C	X	-79.266	4.5
62	MP4C	Z	0	4.5
63	MP4C	Mx	-.02	4.5
64	M74A	X	-151.942	1.5
65	M74A	Z	0	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-49.727	2.5
68	MP2A	Z	0	2.5
69	MP2A	Mx	-.025	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP2B	X	-68.226	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	-.017	2.5
73	MP2C	X	-68.226	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	.017	2.5
76	MP2A	X	-71.902	2
77	MP2A	Z	0	2
78	MP2A	Mx	.036	2
79	MP2A	X	-71.902	5
80	MP2A	Z	0	5
81	MP2A	Mx	.036	5
82	MP2B	X	-82.571	2
83	MP2B	Z	0	2
84	MP2B	Mx	-.021	2
85	MP2B	X	-82.571	5
86	MP2B	Z	0	5
87	MP2B	Mx	-.021	5
88	MP2C	X	-82.571	2
89	MP2C	Z	0	2
90	MP2C	Mx	-.021	2
91	MP2C	X	-82.571	5
92	MP2C	Z	0	5
93	MP2C	Mx	-.021	5
94	MP5A	X	-71.902	2
95	MP5A	Z	0	2
96	MP5A	Mx	.036	2
97	MP5A	X	-71.902	5
98	MP5A	Z	0	5
99	MP5A	Mx	.036	5
100	MP5B	X	-82.571	2
101	MP5B	Z	0	2
102	MP5B	Mx	-.021	2
103	MP5B	X	-82.571	5
104	MP5B	Z	0	5
105	MP5B	Mx	-.021	5
106	MP5C	X	-82.571	2
107	MP5C	Z	0	2
108	MP5C	Mx	-.021	2
109	MP5C	X	-82.571	5
110	MP5C	Z	0	5
111	MP5C	Mx	-.021	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-45.498	2.5
2	MP3A	Z	-26.268	2.5
3	MP3A	Mx	-.023	2.5
4	MP3B	X	-45.498	2.5
5	MP3B	Z	-26.268	2.5
6	MP3B	Mx	-.023	2.5
7	MP3C	X	-45.498	2.5
8	MP3C	Z	-26.268	2.5
9	MP3C	Mx	.023	2.5
10	MP3A	X	-137.308	1
11	MP3A	Z	-79.275	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3A	Mx	.009	1
13	MP3A	X	-137.308	6
14	MP3A	Z	-79.275	6
15	MP3A	Mx	.009	6
16	MP3B	X	-137.308	1
17	MP3B	Z	-79.275	1
18	MP3B	Mx	.128	1
19	MP3B	X	-137.308	6
20	MP3B	Z	-79.275	6
21	MP3B	Mx	.128	6
22	MP3C	X	-137.308	1
23	MP3C	Z	-79.275	1
24	MP3C	Mx	-.128	1
25	MP3C	X	-137.308	6
26	MP3C	Z	-79.275	6
27	MP3C	Mx	-.128	6
28	MP3A	X	-137.308	1
29	MP3A	Z	-79.275	1
30	MP3A	Mx	.128	1
31	MP3A	X	-137.308	6
32	MP3A	Z	-79.275	6
33	MP3A	Mx	.128	6
34	MP3B	X	-159.117	1
35	MP3B	Z	-91.866	1
36	MP3B	Mx	-.073	1
37	MP3B	X	-159.117	6
38	MP3B	Z	-91.866	6
39	MP3B	Mx	-.073	6
40	MP3C	X	-137.308	1
41	MP3C	Z	-79.275	1
42	MP3C	Mx	-.009	1
43	MP3C	X	-137.308	6
44	MP3C	Z	-79.275	6
45	MP3C	Mx	-.009	6
46	MP4A	X	-44.013	2.5
47	MP4A	Z	-25.411	2.5
48	MP4A	Mx	.022	2.5
49	MP4A	X	-44.013	4.5
50	MP4A	Z	-25.411	4.5
51	MP4A	Mx	.022	4.5
52	MP4B	X	-44.013	2.5
53	MP4B	Z	-25.411	2.5
54	MP4B	Mx	.022	2.5
55	MP4B	X	-44.013	4.5
56	MP4B	Z	-25.411	4.5
57	MP4B	Mx	.022	4.5
58	MP4C	X	-44.013	2.5
59	MP4C	Z	-25.411	2.5
60	MP4C	Mx	-.022	2.5
61	MP4C	X	-44.013	4.5
62	MP4C	Z	-25.411	4.5
63	MP4C	Mx	-.022	4.5
64	M74A	X	-139.876	1.5
65	M74A	Z	-80.757	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-48.405	2.5
68	MP2A	Z	-27.947	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2A	Mx	-.024	2.5
70	MP2B	X	-48.405	2.5
71	MP2B	Z	-27.947	2.5
72	MP2B	Mx	-.024	2.5
73	MP2C	X	-48.405	2.5
74	MP2C	Z	-27.947	2.5
75	MP2C	Mx	.024	2.5
76	MP2A	X	-65.349	2
77	MP2A	Z	-37.729	2
78	MP2A	Mx	.033	2
79	MP2A	X	-65.349	5
80	MP2A	Z	-37.729	5
81	MP2A	Mx	.033	5
82	MP2B	X	-74.589	2
83	MP2B	Z	-43.064	2
84	MP2B	Mx	0	2
85	MP2B	X	-74.589	5
86	MP2B	Z	-43.064	5
87	MP2B	Mx	0	5
88	MP2C	X	-65.349	2
89	MP2C	Z	-37.729	2
90	MP2C	Mx	-.033	2
91	MP2C	X	-65.349	5
92	MP2C	Z	-37.729	5
93	MP2C	Mx	-.033	5
94	MP5A	X	-65.349	2
95	MP5A	Z	-37.729	2
96	MP5A	Mx	.033	2
97	MP5A	X	-65.349	5
98	MP5A	Z	-37.729	5
99	MP5A	Mx	.033	5
100	MP5B	X	-74.589	2
101	MP5B	Z	-43.064	2
102	MP5B	Mx	0	2
103	MP5B	X	-74.589	5
104	MP5B	Z	-43.064	5
105	MP5B	Mx	0	5
106	MP5C	X	-65.349	2
107	MP5C	Z	-37.729	2
108	MP5C	Mx	-.033	2
109	MP5C	X	-65.349	5
110	MP5C	Z	-37.729	5
111	MP5C	Mx	-.033	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-33.554	2.5
2	MP3A	Z	-58.116	2.5
3	MP3A	Mx	-.017	2.5
4	MP3B	X	-22.626	2.5
5	MP3B	Z	-39.189	2.5
6	MP3B	Mx	-.023	2.5
7	MP3C	X	-22.626	2.5
8	MP3C	Z	-39.189	2.5
9	MP3C	Mx	.023	2.5
10	MP3A	X	-91.866	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP3A	Z	-159.117	1
12	MP3A	Mx	-.073	1
13	MP3A	X	-91.866	6
14	MP3A	Z	-159.117	6
15	MP3A	Mx	-.073	6
16	MP3B	X	-72.98	1
17	MP3B	Z	-126.404	1
18	MP3B	Mx	.073	1
19	MP3B	X	-72.98	6
20	MP3B	Z	-126.404	6
21	MP3B	Mx	.073	6
22	MP3C	X	-72.98	1
23	MP3C	Z	-126.404	1
24	MP3C	Mx	-.073	1
25	MP3C	X	-72.98	6
26	MP3C	Z	-126.404	6
27	MP3C	Mx	-.073	6
28	MP3A	X	-91.866	1
29	MP3A	Z	-159.117	1
30	MP3A	Mx	.165	1
31	MP3A	X	-91.866	6
32	MP3A	Z	-159.117	6
33	MP3A	Mx	.165	6
34	MP3B	X	-79.275	1
35	MP3B	Z	-137.308	1
36	MP3B	Mx	.009	1
37	MP3B	X	-79.275	6
38	MP3B	Z	-137.308	6
39	MP3B	Mx	.009	6
40	MP3C	X	-72.98	1
41	MP3C	Z	-126.404	1
42	MP3C	Mx	-.073	1
43	MP3C	X	-72.98	6
44	MP3C	Z	-126.404	6
45	MP3C	Mx	-.073	6
46	MP4A	X	-39.633	2.5
47	MP4A	Z	-68.646	2.5
48	MP4A	Mx	.02	2.5
49	MP4A	X	-39.633	4.5
50	MP4A	Z	-68.646	4.5
51	MP4A	Mx	.02	4.5
52	MP4B	X	-18.3	2.5
53	MP4B	Z	-31.697	2.5
54	MP4B	Mx	.018	2.5
55	MP4B	X	-18.3	4.5
56	MP4B	Z	-31.697	4.5
57	MP4B	Mx	.018	4.5
58	MP4C	X	-18.3	2.5
59	MP4C	Z	-31.697	2.5
60	MP4C	Mx	-.018	2.5
61	MP4C	X	-18.3	4.5
62	MP4C	Z	-31.697	4.5
63	MP4C	Mx	-.018	4.5
64	M74A	X	-75.971	1.5
65	M74A	Z	-131.586	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-34.113	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP2A	Z	-59.085	2.5
69	MP2A	Mx	-.017	2.5
70	MP2B	X	-24.864	2.5
71	MP2B	Z	-43.065	2.5
72	MP2B	Mx	-.025	2.5
73	MP2C	X	-24.864	2.5
74	MP2C	Z	-43.065	2.5
75	MP2C	Mx	.025	2.5
76	MP2A	X	-41.286	2
77	MP2A	Z	-71.509	2
78	MP2A	Mx	.021	2
79	MP2A	X	-41.286	5
80	MP2A	Z	-71.509	5
81	MP2A	Mx	.021	5
82	MP2B	X	-41.286	2
83	MP2B	Z	-71.509	2
84	MP2B	Mx	.021	2
85	MP2B	X	-41.286	5
86	MP2B	Z	-71.509	5
87	MP2B	Mx	.021	5
88	MP2C	X	-35.951	2
89	MP2C	Z	-62.269	2
90	MP2C	Mx	-.036	2
91	MP2C	X	-35.951	5
92	MP2C	Z	-62.269	5
93	MP2C	Mx	-.036	5
94	MP5A	X	-41.286	2
95	MP5A	Z	-71.509	2
96	MP5A	Mx	.021	2
97	MP5A	X	-41.286	5
98	MP5A	Z	-71.509	5
99	MP5A	Mx	.021	5
100	MP5B	X	-41.286	2
101	MP5B	Z	-71.509	2
102	MP5B	Mx	.021	2
103	MP5B	X	-41.286	5
104	MP5B	Z	-71.509	5
105	MP5B	Mx	.021	5
106	MP5C	X	-35.951	2
107	MP5C	Z	-62.269	2
108	MP5C	Mx	-.036	2
109	MP5C	X	-35.951	5
110	MP5C	Z	-62.269	5
111	MP5C	Mx	-.036	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2.5
2	MP3A	Z	-16.273	2.5
3	MP3A	Mx	0	2.5
4	MP3B	X	0	2.5
5	MP3B	Z	-11.892	2.5
6	MP3B	Mx	-.005	2.5
7	MP3C	X	0	2.5
8	MP3C	Z	-11.892	2.5
9	MP3C	Mx	.005	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP3A	X	0	1
11	MP3A	Z	-39.118	1
12	MP3A	Mx	-.029	1
13	MP3A	X	0	6
14	MP3A	Z	-39.118	6
15	MP3A	Mx	-.029	6
16	MP3B	X	0	1
17	MP3B	Z	-31.977	1
18	MP3B	Mx	.002	1
19	MP3B	X	0	6
20	MP3B	Z	-31.977	6
21	MP3B	Mx	.002	6
22	MP3C	X	0	1
23	MP3C	Z	-31.977	1
24	MP3C	Mx	-.002	1
25	MP3C	X	0	6
26	MP3C	Z	-31.977	6
27	MP3C	Mx	-.002	6
28	MP3A	X	0	1
29	MP3A	Z	-39.118	1
30	MP3A	Mx	.029	1
31	MP3A	X	0	6
32	MP3A	Z	-39.118	6
33	MP3A	Mx	.029	6
34	MP3B	X	0	1
35	MP3B	Z	-29.596	1
36	MP3B	Mx	.015	1
37	MP3B	X	0	6
38	MP3B	Z	-29.596	6
39	MP3B	Mx	.015	6
40	MP3C	X	0	1
41	MP3C	Z	-31.977	1
42	MP3C	Mx	-.026	1
43	MP3C	X	0	6
44	MP3C	Z	-31.977	6
45	MP3C	Mx	-.026	6
46	MP4A	X	0	2.5
47	MP4A	Z	-19.302	2.5
48	MP4A	Mx	0	2.5
49	MP4A	X	0	4.5
50	MP4A	Z	-19.302	4.5
51	MP4A	Mx	0	4.5
52	MP4B	X	0	2.5
53	MP4B	Z	-10.995	2.5
54	MP4B	Mx	.005	2.5
55	MP4B	X	0	4.5
56	MP4B	Z	-10.995	4.5
57	MP4B	Mx	.005	4.5
58	MP4C	X	0	2.5
59	MP4C	Z	-10.995	2.5
60	MP4C	Mx	-.005	2.5
61	MP4C	X	0	4.5
62	MP4C	Z	-10.995	4.5
63	MP4C	Mx	-.005	4.5
64	M74A	X	0	1.5
65	M74A	Z	-27.969	1.5
66	M74A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP2A	X	0	2.5
68	MP2A	Z	-16.273	2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	-12.56	2.5
72	MP2B	Mx	-.005	2.5
73	MP2C	X	0	2.5
74	MP2C	Z	-12.56	2.5
75	MP2C	Mx	.005	2.5
76	MP2A	X	0	2
77	MP2A	Z	-17.981	2
78	MP2A	Mx	0	2
79	MP2A	X	0	5
80	MP2A	Z	-17.981	5
81	MP2A	Mx	0	5
82	MP2B	X	0	2
83	MP2B	Z	-15.91	2
84	MP2B	Mx	.007	2
85	MP2B	X	0	5
86	MP2B	Z	-15.91	5
87	MP2B	Mx	.007	5
88	MP2C	X	0	2
89	MP2C	Z	-15.91	2
90	MP2C	Mx	-.007	2
91	MP2C	X	0	5
92	MP2C	Z	-15.91	5
93	MP2C	Mx	-.007	5
94	MP5A	X	0	2
95	MP5A	Z	-17.981	2
96	MP5A	Mx	0	2
97	MP5A	X	0	5
98	MP5A	Z	-17.981	5
99	MP5A	Mx	0	5
100	MP5B	X	0	2
101	MP5B	Z	-15.91	2
102	MP5B	Mx	.007	2
103	MP5B	X	0	5
104	MP5B	Z	-15.91	5
105	MP5B	Mx	.007	5
106	MP5C	X	0	2
107	MP5C	Z	-15.91	2
108	MP5C	Mx	-.007	2
109	MP5C	X	0	5
110	MP5C	Z	-15.91	5
111	MP5C	Mx	-.007	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.406	2.5
2	MP3A	Z	-12.828	2.5
3	MP3A	Mx	.004	2.5
4	MP3B	X	7.406	2.5
5	MP3B	Z	-12.828	2.5
6	MP3B	Mx	-.004	2.5
7	MP3C	X	7.406	2.5
8	MP3C	Z	-12.828	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3C	Mx	.004	2.5
10	MP3A	X	18.369	1
11	MP3A	Z	-31.816	1
12	MP3A	Mx	-.033	1
13	MP3A	X	18.369	6
14	MP3A	Z	-31.816	6
15	MP3A	Mx	-.033	6
16	MP3B	X	18.369	1
17	MP3B	Z	-31.816	1
18	MP3B	Mx	-.015	1
19	MP3B	X	18.369	6
20	MP3B	Z	-31.816	6
21	MP3B	Mx	-.015	6
22	MP3C	X	18.369	1
23	MP3C	Z	-31.816	1
24	MP3C	Mx	.015	1
25	MP3C	X	18.369	6
26	MP3C	Z	-31.816	6
27	MP3C	Mx	.015	6
28	MP3A	X	18.369	1
29	MP3A	Z	-31.816	1
30	MP3A	Mx	.015	1
31	MP3A	X	18.369	6
32	MP3A	Z	-31.816	6
33	MP3A	Mx	.015	6
34	MP3B	X	15.988	1
35	MP3B	Z	-27.693	1
36	MP3B	Mx	.026	1
37	MP3B	X	15.988	6
38	MP3B	Z	-27.693	6
39	MP3B	Mx	.026	6
40	MP3C	X	18.369	1
41	MP3C	Z	-31.816	1
42	MP3C	Mx	-.033	1
43	MP3C	X	18.369	6
44	MP3C	Z	-31.816	6
45	MP3C	Mx	-.033	6
46	MP4A	X	8.266	2.5
47	MP4A	Z	-14.318	2.5
48	MP4A	Mx	-.004	2.5
49	MP4A	X	8.266	4.5
50	MP4A	Z	-14.318	4.5
51	MP4A	Mx	-.004	4.5
52	MP4B	X	8.266	2.5
53	MP4B	Z	-14.318	2.5
54	MP4B	Mx	.004	2.5
55	MP4B	X	8.266	4.5
56	MP4B	Z	-14.318	4.5
57	MP4B	Mx	.004	4.5
58	MP4C	X	8.266	2.5
59	MP4C	Z	-14.318	2.5
60	MP4C	Mx	-.004	2.5
61	MP4C	X	8.266	4.5
62	MP4C	Z	-14.318	4.5
63	MP4C	Mx	-.004	4.5
64	M74A	X	13.074	1.5
65	M74A	Z	-22.645	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	M74A	Mx	0	1.5
67	MP2A	X	7.518	2.5
68	MP2A	Z	-13.021	2.5
69	MP2A	Mx	.004	2.5
70	MP2B	X	7.518	2.5
71	MP2B	Z	-13.021	2.5
72	MP2B	Mx	-.004	2.5
73	MP2C	X	7.518	2.5
74	MP2C	Z	-13.021	2.5
75	MP2C	Mx	.004	2.5
76	MP2A	X	8.645	2
77	MP2A	Z	-14.974	2
78	MP2A	Mx	-.004	2
79	MP2A	X	8.645	5
80	MP2A	Z	-14.974	5
81	MP2A	Mx	-.004	5
82	MP2B	X	7.61	2
83	MP2B	Z	-13.18	2
84	MP2B	Mx	.008	2
85	MP2B	X	7.61	5
86	MP2B	Z	-13.18	5
87	MP2B	Mx	.008	5
88	MP2C	X	8.645	2
89	MP2C	Z	-14.974	2
90	MP2C	Mx	-.004	2
91	MP2C	X	8.645	5
92	MP2C	Z	-14.974	5
93	MP2C	Mx	-.004	5
94	MP5A	X	8.645	2
95	MP5A	Z	-14.974	2
96	MP5A	Mx	-.004	2
97	MP5A	X	8.645	5
98	MP5A	Z	-14.974	5
99	MP5A	Mx	-.004	5
100	MP5B	X	7.61	2
101	MP5B	Z	-13.18	2
102	MP5B	Mx	.008	2
103	MP5B	X	7.61	5
104	MP5B	Z	-13.18	5
105	MP5B	Mx	.008	5
106	MP5C	X	8.645	2
107	MP5C	Z	-14.974	2
108	MP5C	Mx	-.004	2
109	MP5C	X	8.645	5
110	MP5C	Z	-14.974	5
111	MP5C	Mx	-.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	10.299	2.5
2	MP3A	Z	-5.946	2.5
3	MP3A	Mx	.005	2.5
4	MP3B	X	14.093	2.5
5	MP3B	Z	-8.137	2.5
6	MP3B	Mx	0	2.5
7	MP3C	X	14.093	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3C	Z	-8.137	2.5
9	MP3C	Mx	0	2.5
10	MP3A	X	27.693	1
11	MP3A	Z	-15.988	1
12	MP3A	Mx	-.026	1
13	MP3A	X	27.693	6
14	MP3A	Z	-15.988	6
15	MP3A	Mx	-.026	6
16	MP3B	X	33.877	1
17	MP3B	Z	-19.559	1
18	MP3B	Mx	-.029	1
19	MP3B	X	33.877	6
20	MP3B	Z	-19.559	6
21	MP3B	Mx	-.029	6
22	MP3C	X	33.877	1
23	MP3C	Z	-19.559	1
24	MP3C	Mx	.029	1
25	MP3C	X	33.877	6
26	MP3C	Z	-19.559	6
27	MP3C	Mx	.029	6
28	MP3A	X	27.693	1
29	MP3A	Z	-15.988	1
30	MP3A	Mx	-.002	1
31	MP3A	X	27.693	6
32	MP3A	Z	-15.988	6
33	MP3A	Mx	-.002	6
34	MP3B	X	31.816	1
35	MP3B	Z	-18.369	1
36	MP3B	Mx	.033	1
37	MP3B	X	31.816	6
38	MP3B	Z	-18.369	6
39	MP3B	Mx	.033	6
40	MP3C	X	33.877	1
41	MP3C	Z	-19.559	1
42	MP3C	Mx	-.029	1
43	MP3C	X	33.877	6
44	MP3C	Z	-19.559	6
45	MP3C	Mx	-.029	6
46	MP4A	X	9.522	2.5
47	MP4A	Z	-5.498	2.5
48	MP4A	Mx	-.005	2.5
49	MP4A	X	9.522	4.5
50	MP4A	Z	-5.498	4.5
51	MP4A	Mx	-.005	4.5
52	MP4B	X	16.716	2.5
53	MP4B	Z	-9.651	2.5
54	MP4B	Mx	0	2.5
55	MP4B	X	16.716	4.5
56	MP4B	Z	-9.651	4.5
57	MP4B	Mx	0	4.5
58	MP4C	X	16.716	2.5
59	MP4C	Z	-9.651	2.5
60	MP4C	Mx	0	2.5
61	MP4C	X	16.716	4.5
62	MP4C	Z	-9.651	4.5
63	MP4C	Mx	0	4.5
64	M74A	X	24.222	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	M74A	Z	-13.985	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	10.877	2.5
68	MP2A	Z	-6.28	2.5
69	MP2A	Mx	.005	2.5
70	MP2B	X	14.093	2.5
71	MP2B	Z	-8.137	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	14.093	2.5
74	MP2C	Z	-8.137	2.5
75	MP2C	Mx	0	2.5
76	MP2A	X	13.778	2
77	MP2A	Z	-7.955	2
78	MP2A	Mx	-.007	2
79	MP2A	X	13.778	5
80	MP2A	Z	-7.955	5
81	MP2A	Mx	-.007	5
82	MP2B	X	13.778	2
83	MP2B	Z	-7.955	2
84	MP2B	Mx	.007	2
85	MP2B	X	13.778	5
86	MP2B	Z	-7.955	5
87	MP2B	Mx	.007	5
88	MP2C	X	15.572	2
89	MP2C	Z	-8.991	2
90	MP2C	Mx	0	2
91	MP2C	X	15.572	5
92	MP2C	Z	-8.991	5
93	MP2C	Mx	0	5
94	MP5A	X	13.778	2
95	MP5A	Z	-7.955	2
96	MP5A	Mx	-.007	2
97	MP5A	X	13.778	5
98	MP5A	Z	-7.955	5
99	MP5A	Mx	-.007	5
100	MP5B	X	13.778	2
101	MP5B	Z	-7.955	2
102	MP5B	Mx	.007	2
103	MP5B	X	13.778	5
104	MP5B	Z	-7.955	5
105	MP5B	Mx	.007	5
106	MP5C	X	15.572	2
107	MP5C	Z	-8.991	2
108	MP5C	Mx	0	2
109	MP5C	X	15.572	5
110	MP5C	Z	-8.991	5
111	MP5C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	10.431	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	.005	2.5
4	MP3B	X	14.813	2.5
5	MP3B	Z	0	2.5
6	MP3B	Mx	.004	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP3C	X	14.813	2.5
8	MP3C	Z	0	2.5
9	MP3C	Mx	-.004	2.5
10	MP3A	X	29.596	1
11	MP3A	Z	0	1
12	MP3A	Mx	-.015	1
13	MP3A	X	29.596	6
14	MP3A	Z	0	6
15	MP3A	Mx	-.015	6
16	MP3B	X	36.738	1
17	MP3B	Z	0	1
18	MP3B	Mx	-.033	1
19	MP3B	X	36.738	6
20	MP3B	Z	0	6
21	MP3B	Mx	-.033	6
22	MP3C	X	36.738	1
23	MP3C	Z	0	1
24	MP3C	Mx	.033	1
25	MP3C	X	36.738	6
26	MP3C	Z	0	6
27	MP3C	Mx	.033	6
28	MP3A	X	29.596	1
29	MP3A	Z	0	1
30	MP3A	Mx	-.015	1
31	MP3A	X	29.596	6
32	MP3A	Z	0	6
33	MP3A	Mx	-.015	6
34	MP3B	X	39.118	1
35	MP3B	Z	0	1
36	MP3B	Mx	.029	1
37	MP3B	X	39.118	6
38	MP3B	Z	0	6
39	MP3B	Mx	.029	6
40	MP3C	X	36.738	1
41	MP3C	Z	0	1
42	MP3C	Mx	-.015	1
43	MP3C	X	36.738	6
44	MP3C	Z	0	6
45	MP3C	Mx	-.015	6
46	MP4A	X	8.226	2.5
47	MP4A	Z	0	2.5
48	MP4A	Mx	-.004	2.5
49	MP4A	X	8.226	4.5
50	MP4A	Z	0	4.5
51	MP4A	Mx	-.004	4.5
52	MP4B	X	16.533	2.5
53	MP4B	Z	0	2.5
54	MP4B	Mx	-.004	2.5
55	MP4B	X	16.533	4.5
56	MP4B	Z	0	4.5
57	MP4B	Mx	-.004	4.5
58	MP4C	X	16.533	2.5
59	MP4C	Z	0	2.5
60	MP4C	Mx	.004	2.5
61	MP4C	X	16.533	4.5
62	MP4C	Z	0	4.5
63	MP4C	Mx	.004	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	M74A	X	31.612	1.5
65	M74A	Z	0	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	11.323	2.5
68	MP2A	Z	0	2.5
69	MP2A	Mx	.006	2.5
70	MP2B	X	15.036	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	.004	2.5
73	MP2C	X	15.036	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	-.004	2.5
76	MP2A	X	15.219	2
77	MP2A	Z	0	2
78	MP2A	Mx	-.008	2
79	MP2A	X	15.219	5
80	MP2A	Z	0	5
81	MP2A	Mx	-.008	5
82	MP2B	X	17.291	2
83	MP2B	Z	0	2
84	MP2B	Mx	.004	2
85	MP2B	X	17.291	5
86	MP2B	Z	0	5
87	MP2B	Mx	.004	5
88	MP2C	X	17.291	2
89	MP2C	Z	0	2
90	MP2C	Mx	.004	2
91	MP2C	X	17.291	5
92	MP2C	Z	0	5
93	MP2C	Mx	.004	5
94	MP5A	X	15.219	2
95	MP5A	Z	0	2
96	MP5A	Mx	-.008	2
97	MP5A	X	15.219	5
98	MP5A	Z	0	5
99	MP5A	Mx	-.008	5
100	MP5B	X	17.291	2
101	MP5B	Z	0	2
102	MP5B	Mx	.004	2
103	MP5B	X	17.291	5
104	MP5B	Z	0	5
105	MP5B	Mx	.004	5
106	MP5C	X	17.291	2
107	MP5C	Z	0	2
108	MP5C	Mx	.004	2
109	MP5C	X	17.291	5
110	MP5C	Z	0	5
111	MP5C	Mx	.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	10.299	2.5
2	MP3A	Z	5.946	2.5
3	MP3A	Mx	.005	2.5
4	MP3B	X	10.299	2.5
5	MP3B	Z	5.946	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP3B	Mx	.005	2.5
7	MP3C	X	10.299	2.5
8	MP3C	Z	5.946	2.5
9	MP3C	Mx	-.005	2.5
10	MP3A	X	27.693	1
11	MP3A	Z	15.988	1
12	MP3A	Mx	-.002	1
13	MP3A	X	27.693	6
14	MP3A	Z	15.988	6
15	MP3A	Mx	-.002	6
16	MP3B	X	27.693	1
17	MP3B	Z	15.988	1
18	MP3B	Mx	-.026	1
19	MP3B	X	27.693	6
20	MP3B	Z	15.988	6
21	MP3B	Mx	-.026	6
22	MP3C	X	27.693	1
23	MP3C	Z	15.988	1
24	MP3C	Mx	.026	1
25	MP3C	X	27.693	6
26	MP3C	Z	15.988	6
27	MP3C	Mx	.026	6
28	MP3A	X	27.693	1
29	MP3A	Z	15.988	1
30	MP3A	Mx	-.026	1
31	MP3A	X	27.693	6
32	MP3A	Z	15.988	6
33	MP3A	Mx	-.026	6
34	MP3B	X	31.816	1
35	MP3B	Z	18.369	1
36	MP3B	Mx	.015	1
37	MP3B	X	31.816	6
38	MP3B	Z	18.369	6
39	MP3B	Mx	.015	6
40	MP3C	X	27.693	1
41	MP3C	Z	15.988	1
42	MP3C	Mx	.002	1
43	MP3C	X	27.693	6
44	MP3C	Z	15.988	6
45	MP3C	Mx	.002	6
46	MP4A	X	9.522	2.5
47	MP4A	Z	5.498	2.5
48	MP4A	Mx	-.005	2.5
49	MP4A	X	9.522	4.5
50	MP4A	Z	5.498	4.5
51	MP4A	Mx	-.005	4.5
52	MP4B	X	9.522	2.5
53	MP4B	Z	5.498	2.5
54	MP4B	Mx	-.005	2.5
55	MP4B	X	9.522	4.5
56	MP4B	Z	5.498	4.5
57	MP4B	Mx	-.005	4.5
58	MP4C	X	9.522	2.5
59	MP4C	Z	5.498	2.5
60	MP4C	Mx	.005	2.5
61	MP4C	X	9.522	4.5
62	MP4C	Z	5.498	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP4C	Mx	.005	4.5
64	M74A	X	28.954	1.5
65	M74A	Z	16.717	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	10.877	2.5
68	MP2A	Z	6.28	2.5
69	MP2A	Mx	.005	2.5
70	MP2B	X	10.877	2.5
71	MP2B	Z	6.28	2.5
72	MP2B	Mx	.005	2.5
73	MP2C	X	10.877	2.5
74	MP2C	Z	6.28	2.5
75	MP2C	Mx	-.005	2.5
76	MP2A	X	13.778	2
77	MP2A	Z	7.955	2
78	MP2A	Mx	-.007	2
79	MP2A	X	13.778	5
80	MP2A	Z	7.955	5
81	MP2A	Mx	-.007	5
82	MP2B	X	15.572	2
83	MP2B	Z	8.991	2
84	MP2B	Mx	0	2
85	MP2B	X	15.572	5
86	MP2B	Z	8.991	5
87	MP2B	Mx	0	5
88	MP2C	X	13.778	2
89	MP2C	Z	7.955	2
90	MP2C	Mx	.007	2
91	MP2C	X	13.778	5
92	MP2C	Z	7.955	5
93	MP2C	Mx	.007	5
94	MP5A	X	13.778	2
95	MP5A	Z	7.955	2
96	MP5A	Mx	-.007	2
97	MP5A	X	13.778	5
98	MP5A	Z	7.955	5
99	MP5A	Mx	-.007	5
100	MP5B	X	15.572	2
101	MP5B	Z	8.991	2
102	MP5B	Mx	0	2
103	MP5B	X	15.572	5
104	MP5B	Z	8.991	5
105	MP5B	Mx	0	5
106	MP5C	X	13.778	2
107	MP5C	Z	7.955	2
108	MP5C	Mx	.007	2
109	MP5C	X	13.778	5
110	MP5C	Z	7.955	5
111	MP5C	Mx	.007	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.406	2.5
2	MP3A	Z	12.828	2.5
3	MP3A	Mx	.004	2.5
4	MP3B	X	5.216	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP3B	Z	9.034	2.5
6	MP3B	Mx	.005	2.5
7	MP3C	X	5.216	2.5
8	MP3C	Z	9.034	2.5
9	MP3C	Mx	-.005	2.5
10	MP3A	X	18.369	1
11	MP3A	Z	31.816	1
12	MP3A	Mx	.015	1
13	MP3A	X	18.369	6
14	MP3A	Z	31.816	6
15	MP3A	Mx	.015	6
16	MP3B	X	14.798	1
17	MP3B	Z	25.631	1
18	MP3B	Mx	-.015	1
19	MP3B	X	14.798	6
20	MP3B	Z	25.631	6
21	MP3B	Mx	-.015	6
22	MP3C	X	14.798	1
23	MP3C	Z	25.631	1
24	MP3C	Mx	.015	1
25	MP3C	X	14.798	6
26	MP3C	Z	25.631	6
27	MP3C	Mx	.015	6
28	MP3A	X	18.369	1
29	MP3A	Z	31.816	1
30	MP3A	Mx	-.033	1
31	MP3A	X	18.369	6
32	MP3A	Z	31.816	6
33	MP3A	Mx	-.033	6
34	MP3B	X	15.988	1
35	MP3B	Z	27.693	1
36	MP3B	Mx	-.002	1
37	MP3B	X	15.988	6
38	MP3B	Z	27.693	6
39	MP3B	Mx	-.002	6
40	MP3C	X	14.798	1
41	MP3C	Z	25.631	1
42	MP3C	Mx	.015	1
43	MP3C	X	14.798	6
44	MP3C	Z	25.631	6
45	MP3C	Mx	.015	6
46	MP4A	X	8.266	2.5
47	MP4A	Z	14.318	2.5
48	MP4A	Mx	-.004	2.5
49	MP4A	X	8.266	4.5
50	MP4A	Z	14.318	4.5
51	MP4A	Mx	-.004	4.5
52	MP4B	X	4.113	2.5
53	MP4B	Z	7.124	2.5
54	MP4B	Mx	-.004	2.5
55	MP4B	X	4.113	4.5
56	MP4B	Z	7.124	4.5
57	MP4B	Mx	-.004	4.5
58	MP4C	X	4.113	2.5
59	MP4C	Z	7.124	2.5
60	MP4C	Mx	.004	2.5
61	MP4C	X	4.113	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP4C	Z	7.124	4.5
63	MP4C	Mx	.004	4.5
64	M74A	X	15.806	1.5
65	M74A	Z	27.377	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	7.518	2.5
68	MP2A	Z	13.021	2.5
69	MP2A	Mx	.004	2.5
70	MP2B	X	5.661	2.5
71	MP2B	Z	9.806	2.5
72	MP2B	Mx	.006	2.5
73	MP2C	X	5.661	2.5
74	MP2C	Z	9.806	2.5
75	MP2C	Mx	-.006	2.5
76	MP2A	X	8.645	2
77	MP2A	Z	14.974	2
78	MP2A	Mx	-.004	2
79	MP2A	X	8.645	5
80	MP2A	Z	14.974	5
81	MP2A	Mx	-.004	5
82	MP2B	X	8.645	2
83	MP2B	Z	14.974	2
84	MP2B	Mx	-.004	2
85	MP2B	X	8.645	5
86	MP2B	Z	14.974	5
87	MP2B	Mx	-.004	5
88	MP2C	X	7.61	2
89	MP2C	Z	13.18	2
90	MP2C	Mx	.008	2
91	MP2C	X	7.61	5
92	MP2C	Z	13.18	5
93	MP2C	Mx	.008	5
94	MP5A	X	8.645	2
95	MP5A	Z	14.974	2
96	MP5A	Mx	-.004	2
97	MP5A	X	8.645	5
98	MP5A	Z	14.974	5
99	MP5A	Mx	-.004	5
100	MP5B	X	8.645	2
101	MP5B	Z	14.974	2
102	MP5B	Mx	-.004	2
103	MP5B	X	8.645	5
104	MP5B	Z	14.974	5
105	MP5B	Mx	-.004	5
106	MP5C	X	7.61	2
107	MP5C	Z	13.18	2
108	MP5C	Mx	.008	2
109	MP5C	X	7.61	5
110	MP5C	Z	13.18	5
111	MP5C	Mx	.008	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2.5
2	MP3A	Z	16.273	2.5
3	MP3A	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3B	X	0	2.5
5	MP3B	Z	11.892	2.5
6	MP3B	Mx	.005	2.5
7	MP3C	X	0	2.5
8	MP3C	Z	11.892	2.5
9	MP3C	Mx	-.005	2.5
10	MP3A	X	0	1
11	MP3A	Z	39.118	1
12	MP3A	Mx	.029	1
13	MP3A	X	0	6
14	MP3A	Z	39.118	6
15	MP3A	Mx	.029	6
16	MP3B	X	0	1
17	MP3B	Z	31.977	1
18	MP3B	Mx	-.002	1
19	MP3B	X	0	6
20	MP3B	Z	31.977	6
21	MP3B	Mx	-.002	6
22	MP3C	X	0	1
23	MP3C	Z	31.977	1
24	MP3C	Mx	.002	1
25	MP3C	X	0	6
26	MP3C	Z	31.977	6
27	MP3C	Mx	.002	6
28	MP3A	X	0	1
29	MP3A	Z	39.118	1
30	MP3A	Mx	-.029	1
31	MP3A	X	0	6
32	MP3A	Z	39.118	6
33	MP3A	Mx	-.029	6
34	MP3B	X	0	1
35	MP3B	Z	29.596	1
36	MP3B	Mx	-.015	1
37	MP3B	X	0	6
38	MP3B	Z	29.596	6
39	MP3B	Mx	-.015	6
40	MP3C	X	0	1
41	MP3C	Z	31.977	1
42	MP3C	Mx	.026	1
43	MP3C	X	0	6
44	MP3C	Z	31.977	6
45	MP3C	Mx	.026	6
46	MP4A	X	0	2.5
47	MP4A	Z	19.302	2.5
48	MP4A	Mx	0	2.5
49	MP4A	X	0	4.5
50	MP4A	Z	19.302	4.5
51	MP4A	Mx	0	4.5
52	MP4B	X	0	2.5
53	MP4B	Z	10.995	2.5
54	MP4B	Mx	-.005	2.5
55	MP4B	X	0	4.5
56	MP4B	Z	10.995	4.5
57	MP4B	Mx	-.005	4.5
58	MP4C	X	0	2.5
59	MP4C	Z	10.995	2.5
60	MP4C	Mx	.005	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP4C	X	0	4.5
62	MP4C	Z	10.995	4.5
63	MP4C	Mx	.005	4.5
64	M74A	X	0	1.5
65	M74A	Z	27.969	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	0	2.5
68	MP2A	Z	16.273	2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	12.56	2.5
72	MP2B	Mx	.005	2.5
73	MP2C	X	0	2.5
74	MP2C	Z	12.56	2.5
75	MP2C	Mx	-.005	2.5
76	MP2A	X	0	2
77	MP2A	Z	17.981	2
78	MP2A	Mx	0	2
79	MP2A	X	0	5
80	MP2A	Z	17.981	5
81	MP2A	Mx	0	5
82	MP2B	X	0	2
83	MP2B	Z	15.91	2
84	MP2B	Mx	-.007	2
85	MP2B	X	0	5
86	MP2B	Z	15.91	5
87	MP2B	Mx	-.007	5
88	MP2C	X	0	2
89	MP2C	Z	15.91	2
90	MP2C	Mx	.007	2
91	MP2C	X	0	5
92	MP2C	Z	15.91	5
93	MP2C	Mx	.007	5
94	MP5A	X	0	2
95	MP5A	Z	17.981	2
96	MP5A	Mx	0	2
97	MP5A	X	0	5
98	MP5A	Z	17.981	5
99	MP5A	Mx	0	5
100	MP5B	X	0	2
101	MP5B	Z	15.91	2
102	MP5B	Mx	-.007	2
103	MP5B	X	0	5
104	MP5B	Z	15.91	5
105	MP5B	Mx	-.007	5
106	MP5C	X	0	2
107	MP5C	Z	15.91	2
108	MP5C	Mx	.007	2
109	MP5C	X	0	5
110	MP5C	Z	15.91	5
111	MP5C	Mx	.007	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.406	2.5
2	MP3A	Z	12.828	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP3A	Mx	-.004	2.5
4	MP3B	X	-7.406	2.5
5	MP3B	Z	12.828	2.5
6	MP3B	Mx	.004	2.5
7	MP3C	X	-7.406	2.5
8	MP3C	Z	12.828	2.5
9	MP3C	Mx	-.004	2.5
10	MP3A	X	-18.369	1
11	MP3A	Z	31.816	1
12	MP3A	Mx	.033	1
13	MP3A	X	-18.369	6
14	MP3A	Z	31.816	6
15	MP3A	Mx	.033	6
16	MP3B	X	-18.369	1
17	MP3B	Z	31.816	1
18	MP3B	Mx	.015	1
19	MP3B	X	-18.369	6
20	MP3B	Z	31.816	6
21	MP3B	Mx	.015	6
22	MP3C	X	-18.369	1
23	MP3C	Z	31.816	1
24	MP3C	Mx	-.015	1
25	MP3C	X	-18.369	6
26	MP3C	Z	31.816	6
27	MP3C	Mx	-.015	6
28	MP3A	X	-18.369	1
29	MP3A	Z	31.816	1
30	MP3A	Mx	-.015	1
31	MP3A	X	-18.369	6
32	MP3A	Z	31.816	6
33	MP3A	Mx	-.015	6
34	MP3B	X	-15.988	1
35	MP3B	Z	27.693	1
36	MP3B	Mx	-.026	1
37	MP3B	X	-15.988	6
38	MP3B	Z	27.693	6
39	MP3B	Mx	-.026	6
40	MP3C	X	-18.369	1
41	MP3C	Z	31.816	1
42	MP3C	Mx	.033	1
43	MP3C	X	-18.369	6
44	MP3C	Z	31.816	6
45	MP3C	Mx	.033	6
46	MP4A	X	-8.266	2.5
47	MP4A	Z	14.318	2.5
48	MP4A	Mx	.004	2.5
49	MP4A	X	-8.266	4.5
50	MP4A	Z	14.318	4.5
51	MP4A	Mx	.004	4.5
52	MP4B	X	-8.266	2.5
53	MP4B	Z	14.318	2.5
54	MP4B	Mx	-.004	2.5
55	MP4B	X	-8.266	4.5
56	MP4B	Z	14.318	4.5
57	MP4B	Mx	-.004	4.5
58	MP4C	X	-8.266	2.5
59	MP4C	Z	14.318	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP4C	Mx	.004	2.5
61	MP4C	X	-8.266	4.5
62	MP4C	Z	14.318	4.5
63	MP4C	Mx	.004	4.5
64	M74A	X	-13.074	1.5
65	M74A	Z	22.645	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-7.518	2.5
68	MP2A	Z	13.021	2.5
69	MP2A	Mx	-.004	2.5
70	MP2B	X	-7.518	2.5
71	MP2B	Z	13.021	2.5
72	MP2B	Mx	.004	2.5
73	MP2C	X	-7.518	2.5
74	MP2C	Z	13.021	2.5
75	MP2C	Mx	-.004	2.5
76	MP2A	X	-8.645	2
77	MP2A	Z	14.974	2
78	MP2A	Mx	.004	2
79	MP2A	X	-8.645	5
80	MP2A	Z	14.974	5
81	MP2A	Mx	.004	5
82	MP2B	X	-7.61	2
83	MP2B	Z	13.18	2
84	MP2B	Mx	-.008	2
85	MP2B	X	-7.61	5
86	MP2B	Z	13.18	5
87	MP2B	Mx	-.008	5
88	MP2C	X	-8.645	2
89	MP2C	Z	14.974	2
90	MP2C	Mx	.004	2
91	MP2C	X	-8.645	5
92	MP2C	Z	14.974	5
93	MP2C	Mx	.004	5
94	MP5A	X	-8.645	2
95	MP5A	Z	14.974	2
96	MP5A	Mx	.004	2
97	MP5A	X	-8.645	5
98	MP5A	Z	14.974	5
99	MP5A	Mx	.004	5
100	MP5B	X	-7.61	2
101	MP5B	Z	13.18	2
102	MP5B	Mx	-.008	2
103	MP5B	X	-7.61	5
104	MP5B	Z	13.18	5
105	MP5B	Mx	-.008	5
106	MP5C	X	-8.645	2
107	MP5C	Z	14.974	2
108	MP5C	Mx	.004	2
109	MP5C	X	-8.645	5
110	MP5C	Z	14.974	5
111	MP5C	Mx	.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-10.299	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP3A	Z	5.946	2.5
3	MP3A	Mx	-.005	2.5
4	MP3B	X	-14.093	2.5
5	MP3B	Z	8.137	2.5
6	MP3B	Mx	0	2.5
7	MP3C	X	-14.093	2.5
8	MP3C	Z	8.137	2.5
9	MP3C	Mx	0	2.5
10	MP3A	X	-27.693	1
11	MP3A	Z	15.988	1
12	MP3A	Mx	.026	1
13	MP3A	X	-27.693	6
14	MP3A	Z	15.988	6
15	MP3A	Mx	.026	6
16	MP3B	X	-33.877	1
17	MP3B	Z	19.559	1
18	MP3B	Mx	.029	1
19	MP3B	X	-33.877	6
20	MP3B	Z	19.559	6
21	MP3B	Mx	.029	6
22	MP3C	X	-33.877	1
23	MP3C	Z	19.559	1
24	MP3C	Mx	-.029	1
25	MP3C	X	-33.877	6
26	MP3C	Z	19.559	6
27	MP3C	Mx	-.029	6
28	MP3A	X	-27.693	1
29	MP3A	Z	15.988	1
30	MP3A	Mx	.002	1
31	MP3A	X	-27.693	6
32	MP3A	Z	15.988	6
33	MP3A	Mx	.002	6
34	MP3B	X	-31.816	1
35	MP3B	Z	18.369	1
36	MP3B	Mx	-.033	1
37	MP3B	X	-31.816	6
38	MP3B	Z	18.369	6
39	MP3B	Mx	-.033	6
40	MP3C	X	-33.877	1
41	MP3C	Z	19.559	1
42	MP3C	Mx	.029	1
43	MP3C	X	-33.877	6
44	MP3C	Z	19.559	6
45	MP3C	Mx	.029	6
46	MP4A	X	-9.522	2.5
47	MP4A	Z	5.498	2.5
48	MP4A	Mx	.005	2.5
49	MP4A	X	-9.522	4.5
50	MP4A	Z	5.498	4.5
51	MP4A	Mx	.005	4.5
52	MP4B	X	-16.716	2.5
53	MP4B	Z	9.651	2.5
54	MP4B	Mx	0	2.5
55	MP4B	X	-16.716	4.5
56	MP4B	Z	9.651	4.5
57	MP4B	Mx	0	4.5
58	MP4C	X	-16.716	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP4C	Z	9.651	2.5
60	MP4C	Mx	0	2.5
61	MP4C	X	-16.716	4.5
62	MP4C	Z	9.651	4.5
63	MP4C	Mx	0	4.5
64	M74A	X	-24.222	1.5
65	M74A	Z	13.985	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-10.877	2.5
68	MP2A	Z	6.28	2.5
69	MP2A	Mx	-.005	2.5
70	MP2B	X	-14.093	2.5
71	MP2B	Z	8.137	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	-14.093	2.5
74	MP2C	Z	8.137	2.5
75	MP2C	Mx	0	2.5
76	MP2A	X	-13.778	2
77	MP2A	Z	7.955	2
78	MP2A	Mx	.007	2
79	MP2A	X	-13.778	5
80	MP2A	Z	7.955	5
81	MP2A	Mx	.007	5
82	MP2B	X	-13.778	2
83	MP2B	Z	7.955	2
84	MP2B	Mx	-.007	2
85	MP2B	X	-13.778	5
86	MP2B	Z	7.955	5
87	MP2B	Mx	-.007	5
88	MP2C	X	-15.572	2
89	MP2C	Z	8.991	2
90	MP2C	Mx	0	2
91	MP2C	X	-15.572	5
92	MP2C	Z	8.991	5
93	MP2C	Mx	0	5
94	MP5A	X	-13.778	2
95	MP5A	Z	7.955	2
96	MP5A	Mx	.007	2
97	MP5A	X	-13.778	5
98	MP5A	Z	7.955	5
99	MP5A	Mx	.007	5
100	MP5B	X	-13.778	2
101	MP5B	Z	7.955	2
102	MP5B	Mx	-.007	2
103	MP5B	X	-13.778	5
104	MP5B	Z	7.955	5
105	MP5B	Mx	-.007	5
106	MP5C	X	-15.572	2
107	MP5C	Z	8.991	2
108	MP5C	Mx	0	2
109	MP5C	X	-15.572	5
110	MP5C	Z	8.991	5
111	MP5C	Mx	0	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-10.431	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	-.005	2.5
4	MP3B	X	-14.813	2.5
5	MP3B	Z	0	2.5
6	MP3B	Mx	-.004	2.5
7	MP3C	X	-14.813	2.5
8	MP3C	Z	0	2.5
9	MP3C	Mx	.004	2.5
10	MP3A	X	-29.596	1
11	MP3A	Z	0	1
12	MP3A	Mx	.015	1
13	MP3A	X	-29.596	6
14	MP3A	Z	0	6
15	MP3A	Mx	.015	6
16	MP3B	X	-36.738	1
17	MP3B	Z	0	1
18	MP3B	Mx	.033	1
19	MP3B	X	-36.738	6
20	MP3B	Z	0	6
21	MP3B	Mx	.033	6
22	MP3C	X	-36.738	1
23	MP3C	Z	0	1
24	MP3C	Mx	-.033	1
25	MP3C	X	-36.738	6
26	MP3C	Z	0	6
27	MP3C	Mx	-.033	6
28	MP3A	X	-29.596	1
29	MP3A	Z	0	1
30	MP3A	Mx	.015	1
31	MP3A	X	-29.596	6
32	MP3A	Z	0	6
33	MP3A	Mx	.015	6
34	MP3B	X	-39.118	1
35	MP3B	Z	0	1
36	MP3B	Mx	-.029	1
37	MP3B	X	-39.118	6
38	MP3B	Z	0	6
39	MP3B	Mx	-.029	6
40	MP3C	X	-36.738	1
41	MP3C	Z	0	1
42	MP3C	Mx	.015	1
43	MP3C	X	-36.738	6
44	MP3C	Z	0	6
45	MP3C	Mx	.015	6
46	MP4A	X	-8.226	2.5
47	MP4A	Z	0	2.5
48	MP4A	Mx	.004	2.5
49	MP4A	X	-8.226	4.5
50	MP4A	Z	0	4.5
51	MP4A	Mx	.004	4.5
52	MP4B	X	-16.533	2.5
53	MP4B	Z	0	2.5
54	MP4B	Mx	.004	2.5
55	MP4B	X	-16.533	4.5
56	MP4B	Z	0	4.5
57	MP4B	Mx	.004	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	-16.533	2.5
59	MP4C	Z	0	2.5
60	MP4C	Mx	-.004	2.5
61	MP4C	X	-16.533	4.5
62	MP4C	Z	0	4.5
63	MP4C	Mx	-.004	4.5
64	M74A	X	-31.612	1.5
65	M74A	Z	0	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-11.323	2.5
68	MP2A	Z	0	2.5
69	MP2A	Mx	-.006	2.5
70	MP2B	X	-15.036	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	-.004	2.5
73	MP2C	X	-15.036	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	.004	2.5
76	MP2A	X	-15.219	2
77	MP2A	Z	0	2
78	MP2A	Mx	.008	2
79	MP2A	X	-15.219	5
80	MP2A	Z	0	5
81	MP2A	Mx	.008	5
82	MP2B	X	-17.291	2
83	MP2B	Z	0	2
84	MP2B	Mx	-.004	2
85	MP2B	X	-17.291	5
86	MP2B	Z	0	5
87	MP2B	Mx	-.004	5
88	MP2C	X	-17.291	2
89	MP2C	Z	0	2
90	MP2C	Mx	-.004	2
91	MP2C	X	-17.291	5
92	MP2C	Z	0	5
93	MP2C	Mx	-.004	5
94	MP5A	X	-15.219	2
95	MP5A	Z	0	2
96	MP5A	Mx	.008	2
97	MP5A	X	-15.219	5
98	MP5A	Z	0	5
99	MP5A	Mx	.008	5
100	MP5B	X	-17.291	2
101	MP5B	Z	0	2
102	MP5B	Mx	-.004	2
103	MP5B	X	-17.291	5
104	MP5B	Z	0	5
105	MP5B	Mx	-.004	5
106	MP5C	X	-17.291	2
107	MP5C	Z	0	2
108	MP5C	Mx	-.004	2
109	MP5C	X	-17.291	5
110	MP5C	Z	0	5
111	MP5C	Mx	-.004	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-10.299	2.5
2	MP3A	Z	-5.946	2.5
3	MP3A	Mx	-.005	2.5
4	MP3B	X	-10.299	2.5
5	MP3B	Z	-5.946	2.5
6	MP3B	Mx	-.005	2.5
7	MP3C	X	-10.299	2.5
8	MP3C	Z	-5.946	2.5
9	MP3C	Mx	.005	2.5
10	MP3A	X	-27.693	1
11	MP3A	Z	-15.988	1
12	MP3A	Mx	.002	1
13	MP3A	X	-27.693	6
14	MP3A	Z	-15.988	6
15	MP3A	Mx	.002	6
16	MP3B	X	-27.693	1
17	MP3B	Z	-15.988	1
18	MP3B	Mx	.026	1
19	MP3B	X	-27.693	6
20	MP3B	Z	-15.988	6
21	MP3B	Mx	.026	6
22	MP3C	X	-27.693	1
23	MP3C	Z	-15.988	1
24	MP3C	Mx	-.026	1
25	MP3C	X	-27.693	6
26	MP3C	Z	-15.988	6
27	MP3C	Mx	-.026	6
28	MP3A	X	-27.693	1
29	MP3A	Z	-15.988	1
30	MP3A	Mx	.026	1
31	MP3A	X	-27.693	6
32	MP3A	Z	-15.988	6
33	MP3A	Mx	.026	6
34	MP3B	X	-31.816	1
35	MP3B	Z	-18.369	1
36	MP3B	Mx	-.015	1
37	MP3B	X	-31.816	6
38	MP3B	Z	-18.369	6
39	MP3B	Mx	-.015	6
40	MP3C	X	-27.693	1
41	MP3C	Z	-15.988	1
42	MP3C	Mx	-.002	1
43	MP3C	X	-27.693	6
44	MP3C	Z	-15.988	6
45	MP3C	Mx	-.002	6
46	MP4A	X	-9.522	2.5
47	MP4A	Z	-5.498	2.5
48	MP4A	Mx	.005	2.5
49	MP4A	X	-9.522	4.5
50	MP4A	Z	-5.498	4.5
51	MP4A	Mx	.005	4.5
52	MP4B	X	-9.522	2.5
53	MP4B	Z	-5.498	2.5
54	MP4B	Mx	.005	2.5
55	MP4B	X	-9.522	4.5
56	MP4B	Z	-5.498	4.5
57	MP4B	Mx	.005	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	-9.522	2.5
59	MP4C	Z	-5.498	2.5
60	MP4C	Mx	-.005	2.5
61	MP4C	X	-9.522	4.5
62	MP4C	Z	-5.498	4.5
63	MP4C	Mx	-.005	4.5
64	M74A	X	-28.954	1.5
65	M74A	Z	-16.717	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-10.877	2.5
68	MP2A	Z	-6.28	2.5
69	MP2A	Mx	-.005	2.5
70	MP2B	X	-10.877	2.5
71	MP2B	Z	-6.28	2.5
72	MP2B	Mx	-.005	2.5
73	MP2C	X	-10.877	2.5
74	MP2C	Z	-6.28	2.5
75	MP2C	Mx	.005	2.5
76	MP2A	X	-13.778	2
77	MP2A	Z	-7.955	2
78	MP2A	Mx	.007	2
79	MP2A	X	-13.778	5
80	MP2A	Z	-7.955	5
81	MP2A	Mx	.007	5
82	MP2B	X	-15.572	2
83	MP2B	Z	-8.991	2
84	MP2B	Mx	0	2
85	MP2B	X	-15.572	5
86	MP2B	Z	-8.991	5
87	MP2B	Mx	0	5
88	MP2C	X	-13.778	2
89	MP2C	Z	-7.955	2
90	MP2C	Mx	-.007	2
91	MP2C	X	-13.778	5
92	MP2C	Z	-7.955	5
93	MP2C	Mx	-.007	5
94	MP5A	X	-13.778	2
95	MP5A	Z	-7.955	2
96	MP5A	Mx	.007	2
97	MP5A	X	-13.778	5
98	MP5A	Z	-7.955	5
99	MP5A	Mx	.007	5
100	MP5B	X	-15.572	2
101	MP5B	Z	-8.991	2
102	MP5B	Mx	0	2
103	MP5B	X	-15.572	5
104	MP5B	Z	-8.991	5
105	MP5B	Mx	0	5
106	MP5C	X	-13.778	2
107	MP5C	Z	-7.955	2
108	MP5C	Mx	-.007	2
109	MP5C	X	-13.778	5
110	MP5C	Z	-7.955	5
111	MP5C	Mx	-.007	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.406	2.5
2	MP3A	Z	-12.828	2.5
3	MP3A	Mx	-.004	2.5
4	MP3B	X	-5.216	2.5
5	MP3B	Z	-9.034	2.5
6	MP3B	Mx	-.005	2.5
7	MP3C	X	-5.216	2.5
8	MP3C	Z	-9.034	2.5
9	MP3C	Mx	.005	2.5
10	MP3A	X	-18.369	1
11	MP3A	Z	-31.816	1
12	MP3A	Mx	-.015	1
13	MP3A	X	-18.369	6
14	MP3A	Z	-31.816	6
15	MP3A	Mx	-.015	6
16	MP3B	X	-14.798	1
17	MP3B	Z	-25.631	1
18	MP3B	Mx	.015	1
19	MP3B	X	-14.798	6
20	MP3B	Z	-25.631	6
21	MP3B	Mx	.015	6
22	MP3C	X	-14.798	1
23	MP3C	Z	-25.631	1
24	MP3C	Mx	-.015	1
25	MP3C	X	-14.798	6
26	MP3C	Z	-25.631	6
27	MP3C	Mx	-.015	6
28	MP3A	X	-18.369	1
29	MP3A	Z	-31.816	1
30	MP3A	Mx	.033	1
31	MP3A	X	-18.369	6
32	MP3A	Z	-31.816	6
33	MP3A	Mx	.033	6
34	MP3B	X	-15.988	1
35	MP3B	Z	-27.693	1
36	MP3B	Mx	.002	1
37	MP3B	X	-15.988	6
38	MP3B	Z	-27.693	6
39	MP3B	Mx	.002	6
40	MP3C	X	-14.798	1
41	MP3C	Z	-25.631	1
42	MP3C	Mx	-.015	1
43	MP3C	X	-14.798	6
44	MP3C	Z	-25.631	6
45	MP3C	Mx	-.015	6
46	MP4A	X	-8.266	2.5
47	MP4A	Z	-14.318	2.5
48	MP4A	Mx	.004	2.5
49	MP4A	X	-8.266	4.5
50	MP4A	Z	-14.318	4.5
51	MP4A	Mx	.004	4.5
52	MP4B	X	-4.113	2.5
53	MP4B	Z	-7.124	2.5
54	MP4B	Mx	.004	2.5
55	MP4B	X	-4.113	4.5
56	MP4B	Z	-7.124	4.5
57	MP4B	Mx	.004	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	-4.113	2.5
59	MP4C	Z	-7.124	2.5
60	MP4C	Mx	-.004	2.5
61	MP4C	X	-4.113	4.5
62	MP4C	Z	-7.124	4.5
63	MP4C	Mx	-.004	4.5
64	M74A	X	-15.806	1.5
65	M74A	Z	-27.377	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-7.518	2.5
68	MP2A	Z	-13.021	2.5
69	MP2A	Mx	-.004	2.5
70	MP2B	X	-5.661	2.5
71	MP2B	Z	-9.806	2.5
72	MP2B	Mx	-.006	2.5
73	MP2C	X	-5.661	2.5
74	MP2C	Z	-9.806	2.5
75	MP2C	Mx	.006	2.5
76	MP2A	X	-8.645	2
77	MP2A	Z	-14.974	2
78	MP2A	Mx	.004	2
79	MP2A	X	-8.645	5
80	MP2A	Z	-14.974	5
81	MP2A	Mx	.004	5
82	MP2B	X	-8.645	2
83	MP2B	Z	-14.974	2
84	MP2B	Mx	.004	2
85	MP2B	X	-8.645	5
86	MP2B	Z	-14.974	5
87	MP2B	Mx	.004	5
88	MP2C	X	-7.61	2
89	MP2C	Z	-13.18	2
90	MP2C	Mx	-.008	2
91	MP2C	X	-7.61	5
92	MP2C	Z	-13.18	5
93	MP2C	Mx	-.008	5
94	MP5A	X	-8.645	2
95	MP5A	Z	-14.974	2
96	MP5A	Mx	.004	2
97	MP5A	X	-8.645	5
98	MP5A	Z	-14.974	5
99	MP5A	Mx	.004	5
100	MP5B	X	-8.645	2
101	MP5B	Z	-14.974	2
102	MP5B	Mx	.004	2
103	MP5B	X	-8.645	5
104	MP5B	Z	-14.974	5
105	MP5B	Mx	.004	5
106	MP5C	X	-7.61	2
107	MP5C	Z	-13.18	2
108	MP5C	Mx	-.008	2
109	MP5C	X	-7.61	5
110	MP5C	Z	-13.18	5
111	MP5C	Mx	-.008	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2.5
2	MP3A	Z	-4.891	2.5
3	MP3A	Mx	0	2.5
4	MP3B	X	0	2.5
5	MP3B	Z	-3.454	2.5
6	MP3B	Mx	-.001	2.5
7	MP3C	X	0	2.5
8	MP3C	Z	-3.454	2.5
9	MP3C	Mx	.001	2.5
10	MP3A	X	0	1
11	MP3A	Z	-12.908	1
12	MP3A	Mx	-.01	1
13	MP3A	X	0	6
14	MP3A	Z	-12.908	6
15	MP3A	Mx	-.01	6
16	MP3B	X	0	1
17	MP3B	Z	-10.424	1
18	MP3B	Mx	.000605	1
19	MP3B	X	0	6
20	MP3B	Z	-10.424	6
21	MP3B	Mx	.000605	6
22	MP3C	X	0	1
23	MP3C	Z	-10.424	1
24	MP3C	Mx	-.000605	1
25	MP3C	X	0	6
26	MP3C	Z	-10.424	6
27	MP3C	Mx	-.000605	6
28	MP3A	X	0	1
29	MP3A	Z	-12.908	1
30	MP3A	Mx	.01	1
31	MP3A	X	0	6
32	MP3A	Z	-12.908	6
33	MP3A	Mx	.01	6
34	MP3B	X	0	1
35	MP3B	Z	-9.596	1
36	MP3B	Mx	.005	1
37	MP3B	X	0	6
38	MP3B	Z	-9.596	6
39	MP3B	Mx	.005	6
40	MP3C	X	0	1
41	MP3C	Z	-10.424	1
42	MP3C	Mx	-.008	1
43	MP3C	X	0	6
44	MP3C	Z	-10.424	6
45	MP3C	Mx	-.008	6
46	MP4A	X	0	2.5
47	MP4A	Z	-6.146	2.5
48	MP4A	Mx	0	2.5
49	MP4A	X	0	4.5
50	MP4A	Z	-6.146	4.5
51	MP4A	Mx	0	4.5
52	MP4B	X	0	2.5
53	MP4B	Z	-3.341	2.5
54	MP4B	Mx	.001	2.5
55	MP4B	X	0	4.5
56	MP4B	Z	-3.341	4.5
57	MP4B	Mx	.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	0	2.5
59	MP4C	Z	-3.341	2.5
60	MP4C	Mx	-.001	2.5
61	MP4C	X	0	4.5
62	MP4C	Z	-3.341	4.5
63	MP4C	Mx	-.001	4.5
64	M74A	X	0	1.5
65	M74A	Z	-8.731	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	0	2.5
68	MP2A	Z	-4.891	2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	-3.675	2.5
72	MP2B	Mx	-.002	2.5
73	MP2C	X	0	2.5
74	MP2C	Z	-3.675	2.5
75	MP2C	Mx	.002	2.5
76	MP2A	X	0	2
77	MP2A	Z	-5.663	2
78	MP2A	Mx	0	2
79	MP2A	X	0	5
80	MP2A	Z	-5.663	5
81	MP2A	Mx	0	5
82	MP2B	X	0	2
83	MP2B	Z	-4.961	2
84	MP2B	Mx	.002	2
85	MP2B	X	0	5
86	MP2B	Z	-4.961	5
87	MP2B	Mx	.002	5
88	MP2C	X	0	2
89	MP2C	Z	-4.961	2
90	MP2C	Mx	-.002	2
91	MP2C	X	0	5
92	MP2C	Z	-4.961	5
93	MP2C	Mx	-.002	5
94	MP5A	X	0	2
95	MP5A	Z	-5.663	2
96	MP5A	Mx	0	2
97	MP5A	X	0	5
98	MP5A	Z	-5.663	5
99	MP5A	Mx	0	5
100	MP5B	X	0	2
101	MP5B	Z	-4.961	2
102	MP5B	Mx	.002	2
103	MP5B	X	0	5
104	MP5B	Z	-4.961	5
105	MP5B	Mx	.002	5
106	MP5C	X	0	2
107	MP5C	Z	-4.961	2
108	MP5C	Mx	-.002	2
109	MP5C	X	0	5
110	MP5C	Z	-4.961	5
111	MP5C	Mx	-.002	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.206	2.5
2	MP3A	Z	-3.821	2.5
3	MP3A	Mx	.001	2.5
4	MP3B	X	2.206	2.5
5	MP3B	Z	-3.821	2.5
6	MP3B	Mx	-.001	2.5
7	MP3C	X	2.206	2.5
8	MP3C	Z	-3.821	2.5
9	MP3C	Mx	.001	2.5
10	MP3A	X	6.04	1
11	MP3A	Z	-10.461	1
12	MP3A	Mx	-.011	1
13	MP3A	X	6.04	6
14	MP3A	Z	-10.461	6
15	MP3A	Mx	-.011	6
16	MP3B	X	6.04	1
17	MP3B	Z	-10.461	1
18	MP3B	Mx	-.005	1
19	MP3B	X	6.04	6
20	MP3B	Z	-10.461	6
21	MP3B	Mx	-.005	6
22	MP3C	X	6.04	1
23	MP3C	Z	-10.461	1
24	MP3C	Mx	.005	1
25	MP3C	X	6.04	6
26	MP3C	Z	-10.461	6
27	MP3C	Mx	.005	6
28	MP3A	X	6.04	1
29	MP3A	Z	-10.461	1
30	MP3A	Mx	.005	1
31	MP3A	X	6.04	6
32	MP3A	Z	-10.461	6
33	MP3A	Mx	.005	6
34	MP3B	X	5.212	1
35	MP3B	Z	-9.028	1
36	MP3B	Mx	.008	1
37	MP3B	X	5.212	6
38	MP3B	Z	-9.028	6
39	MP3B	Mx	.008	6
40	MP3C	X	6.04	1
41	MP3C	Z	-10.461	1
42	MP3C	Mx	-.011	1
43	MP3C	X	6.04	6
44	MP3C	Z	-10.461	6
45	MP3C	Mx	-.011	6
46	MP4A	X	2.606	2.5
47	MP4A	Z	-4.513	2.5
48	MP4A	Mx	-.001	2.5
49	MP4A	X	2.606	4.5
50	MP4A	Z	-4.513	4.5
51	MP4A	Mx	-.001	4.5
52	MP4B	X	2.606	2.5
53	MP4B	Z	-4.513	2.5
54	MP4B	Mx	.001	2.5
55	MP4B	X	2.606	4.5
56	MP4B	Z	-4.513	4.5
57	MP4B	Mx	.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	2.606	2.5
59	MP4C	Z	-4.513	2.5
60	MP4C	Mx	-.001	2.5
61	MP4C	X	2.606	4.5
62	MP4C	Z	-4.513	4.5
63	MP4C	Mx	-.001	4.5
64	M74A	X	4.051	1.5
65	M74A	Z	-7.016	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	2.243	2.5
68	MP2A	Z	-3.885	2.5
69	MP2A	Mx	.001	2.5
70	MP2B	X	2.243	2.5
71	MP2B	Z	-3.885	2.5
72	MP2B	Mx	-.001	2.5
73	MP2C	X	2.243	2.5
74	MP2C	Z	-3.885	2.5
75	MP2C	Mx	.001	2.5
76	MP2A	X	2.714	2
77	MP2A	Z	-4.701	2
78	MP2A	Mx	-.001	2
79	MP2A	X	2.714	5
80	MP2A	Z	-4.701	5
81	MP2A	Mx	-.001	5
82	MP2B	X	2.364	2
83	MP2B	Z	-4.094	2
84	MP2B	Mx	.002	2
85	MP2B	X	2.364	5
86	MP2B	Z	-4.094	5
87	MP2B	Mx	.002	5
88	MP2C	X	2.714	2
89	MP2C	Z	-4.701	2
90	MP2C	Mx	-.001	2
91	MP2C	X	2.714	5
92	MP2C	Z	-4.701	5
93	MP2C	Mx	-.001	5
94	MP5A	X	2.714	2
95	MP5A	Z	-4.701	2
96	MP5A	Mx	-.001	2
97	MP5A	X	2.714	5
98	MP5A	Z	-4.701	5
99	MP5A	Mx	-.001	5
100	MP5B	X	2.364	2
101	MP5B	Z	-4.094	2
102	MP5B	Mx	.002	2
103	MP5B	X	2.364	5
104	MP5B	Z	-4.094	5
105	MP5B	Mx	.002	5
106	MP5C	X	2.714	2
107	MP5C	Z	-4.701	2
108	MP5C	Mx	-.001	2
109	MP5C	X	2.714	5
110	MP5C	Z	-4.701	5
111	MP5C	Mx	-.001	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.991	2.5
2	MP3A	Z	-1.727	2.5
3	MP3A	Mx	.001	2.5
4	MP3B	X	4.236	2.5
5	MP3B	Z	-2.446	2.5
6	MP3B	Mx	0	2.5
7	MP3C	X	4.236	2.5
8	MP3C	Z	-2.446	2.5
9	MP3C	Mx	0	2.5
10	MP3A	X	9.028	1
11	MP3A	Z	-5.212	1
12	MP3A	Mx	-.008	1
13	MP3A	X	9.028	6
14	MP3A	Z	-5.212	6
15	MP3A	Mx	-.008	6
16	MP3B	X	11.178	1
17	MP3B	Z	-6.454	1
18	MP3B	Mx	-.01	1
19	MP3B	X	11.178	6
20	MP3B	Z	-6.454	6
21	MP3B	Mx	-.01	6
22	MP3C	X	11.178	1
23	MP3C	Z	-6.454	1
24	MP3C	Mx	.01	1
25	MP3C	X	11.178	6
26	MP3C	Z	-6.454	6
27	MP3C	Mx	.01	6
28	MP3A	X	9.028	1
29	MP3A	Z	-5.212	1
30	MP3A	Mx	-.000605	1
31	MP3A	X	9.028	6
32	MP3A	Z	-5.212	6
33	MP3A	Mx	-.000605	6
34	MP3B	X	10.461	1
35	MP3B	Z	-6.04	1
36	MP3B	Mx	.011	1
37	MP3B	X	10.461	6
38	MP3B	Z	-6.04	6
39	MP3B	Mx	.011	6
40	MP3C	X	11.178	1
41	MP3C	Z	-6.454	1
42	MP3C	Mx	-.01	1
43	MP3C	X	11.178	6
44	MP3C	Z	-6.454	6
45	MP3C	Mx	-.01	6
46	MP4A	X	2.894	2.5
47	MP4A	Z	-1.671	2.5
48	MP4A	Mx	-.001	2.5
49	MP4A	X	2.894	4.5
50	MP4A	Z	-1.671	4.5
51	MP4A	Mx	-.001	4.5
52	MP4B	X	5.323	2.5
53	MP4B	Z	-3.073	2.5
54	MP4B	Mx	0	2.5
55	MP4B	X	5.323	4.5
56	MP4B	Z	-3.073	4.5
57	MP4B	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	5.323	2.5
59	MP4C	Z	-3.073	2.5
60	MP4C	Mx	0	2.5
61	MP4C	X	5.323	4.5
62	MP4C	Z	-3.073	4.5
63	MP4C	Mx	0	4.5
64	M74A	X	7.561	1.5
65	M74A	Z	-4.365	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	3.182	2.5
68	MP2A	Z	-1.837	2.5
69	MP2A	Mx	.002	2.5
70	MP2B	X	4.236	2.5
71	MP2B	Z	-2.446	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	4.236	2.5
74	MP2C	Z	-2.446	2.5
75	MP2C	Mx	0	2.5
76	MP2A	X	4.296	2
77	MP2A	Z	-2.481	2
78	MP2A	Mx	-.002	2
79	MP2A	X	4.296	5
80	MP2A	Z	-2.481	5
81	MP2A	Mx	-.002	5
82	MP2B	X	4.296	2
83	MP2B	Z	-2.481	2
84	MP2B	Mx	.002	2
85	MP2B	X	4.296	5
86	MP2B	Z	-2.481	5
87	MP2B	Mx	.002	5
88	MP2C	X	4.904	2
89	MP2C	Z	-2.831	2
90	MP2C	Mx	0	2
91	MP2C	X	4.904	5
92	MP2C	Z	-2.831	5
93	MP2C	Mx	0	5
94	MP5A	X	4.296	2
95	MP5A	Z	-2.481	2
96	MP5A	Mx	-.002	2
97	MP5A	X	4.296	5
98	MP5A	Z	-2.481	5
99	MP5A	Mx	-.002	5
100	MP5B	X	4.296	2
101	MP5B	Z	-2.481	2
102	MP5B	Mx	.002	2
103	MP5B	X	4.296	5
104	MP5B	Z	-2.481	5
105	MP5B	Mx	.002	5
106	MP5C	X	4.904	2
107	MP5C	Z	-2.831	2
108	MP5C	Mx	0	2
109	MP5C	X	4.904	5
110	MP5C	Z	-2.831	5
111	MP5C	Mx	0	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.975	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	.001	2.5
4	MP3B	X	4.412	2.5
5	MP3B	Z	0	2.5
6	MP3B	Mx	.001	2.5
7	MP3C	X	4.412	2.5
8	MP3C	Z	0	2.5
9	MP3C	Mx	-.001	2.5
10	MP3A	X	9.596	1
11	MP3A	Z	0	1
12	MP3A	Mx	-.005	1
13	MP3A	X	9.596	6
14	MP3A	Z	0	6
15	MP3A	Mx	-.005	6
16	MP3B	X	12.08	1
17	MP3B	Z	0	1
18	MP3B	Mx	-.011	1
19	MP3B	X	12.08	6
20	MP3B	Z	0	6
21	MP3B	Mx	-.011	6
22	MP3C	X	12.08	1
23	MP3C	Z	0	1
24	MP3C	Mx	.011	1
25	MP3C	X	12.08	6
26	MP3C	Z	0	6
27	MP3C	Mx	.011	6
28	MP3A	X	9.596	1
29	MP3A	Z	0	1
30	MP3A	Mx	-.005	1
31	MP3A	X	9.596	6
32	MP3A	Z	0	6
33	MP3A	Mx	-.005	6
34	MP3B	X	12.908	1
35	MP3B	Z	0	1
36	MP3B	Mx	.01	1
37	MP3B	X	12.908	6
38	MP3B	Z	0	6
39	MP3B	Mx	.01	6
40	MP3C	X	12.08	1
41	MP3C	Z	0	1
42	MP3C	Mx	-.005	1
43	MP3C	X	12.08	6
44	MP3C	Z	0	6
45	MP3C	Mx	-.005	6
46	MP4A	X	2.406	2.5
47	MP4A	Z	0	2.5
48	MP4A	Mx	-.001	2.5
49	MP4A	X	2.406	4.5
50	MP4A	Z	0	4.5
51	MP4A	Mx	-.001	4.5
52	MP4B	X	5.211	2.5
53	MP4B	Z	0	2.5
54	MP4B	Mx	-.001	2.5
55	MP4B	X	5.211	4.5
56	MP4B	Z	0	4.5
57	MP4B	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	5.211	2.5
59	MP4C	Z	0	2.5
60	MP4C	Mx	.001	2.5
61	MP4C	X	5.211	4.5
62	MP4C	Z	0	4.5
63	MP4C	Mx	.001	4.5
64	M74A	X	9.99	1.5
65	M74A	Z	0	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	3.269	2.5
68	MP2A	Z	0	2.5
69	MP2A	Mx	.002	2.5
70	MP2B	X	4.486	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	.001	2.5
73	MP2C	X	4.486	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	-.001	2.5
76	MP2A	X	4.727	2
77	MP2A	Z	0	2
78	MP2A	Mx	-.002	2
79	MP2A	X	4.727	5
80	MP2A	Z	0	5
81	MP2A	Mx	-.002	5
82	MP2B	X	5.429	2
83	MP2B	Z	0	2
84	MP2B	Mx	.001	2
85	MP2B	X	5.429	5
86	MP2B	Z	0	5
87	MP2B	Mx	.001	5
88	MP2C	X	5.429	2
89	MP2C	Z	0	2
90	MP2C	Mx	.001	2
91	MP2C	X	5.429	5
92	MP2C	Z	0	5
93	MP2C	Mx	.001	5
94	MP5A	X	4.727	2
95	MP5A	Z	0	2
96	MP5A	Mx	-.002	2
97	MP5A	X	4.727	5
98	MP5A	Z	0	5
99	MP5A	Mx	-.002	5
100	MP5B	X	5.429	2
101	MP5B	Z	0	2
102	MP5B	Mx	.001	2
103	MP5B	X	5.429	5
104	MP5B	Z	0	5
105	MP5B	Mx	.001	5
106	MP5C	X	5.429	2
107	MP5C	Z	0	2
108	MP5C	Mx	.001	2
109	MP5C	X	5.429	5
110	MP5C	Z	0	5
111	MP5C	Mx	.001	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.991	2.5
2	MP3A	Z	1.727	2.5
3	MP3A	Mx	.001	2.5
4	MP3B	X	2.991	2.5
5	MP3B	Z	1.727	2.5
6	MP3B	Mx	.001	2.5
7	MP3C	X	2.991	2.5
8	MP3C	Z	1.727	2.5
9	MP3C	Mx	-.001	2.5
10	MP3A	X	9.028	1
11	MP3A	Z	5.212	1
12	MP3A	Mx	-.000605	1
13	MP3A	X	9.028	6
14	MP3A	Z	5.212	6
15	MP3A	Mx	-.000605	6
16	MP3B	X	9.028	1
17	MP3B	Z	5.212	1
18	MP3B	Mx	-.008	1
19	MP3B	X	9.028	6
20	MP3B	Z	5.212	6
21	MP3B	Mx	-.008	6
22	MP3C	X	9.028	1
23	MP3C	Z	5.212	1
24	MP3C	Mx	.008	1
25	MP3C	X	9.028	6
26	MP3C	Z	5.212	6
27	MP3C	Mx	.008	6
28	MP3A	X	9.028	1
29	MP3A	Z	5.212	1
30	MP3A	Mx	-.008	1
31	MP3A	X	9.028	6
32	MP3A	Z	5.212	6
33	MP3A	Mx	-.008	6
34	MP3B	X	10.461	1
35	MP3B	Z	6.04	1
36	MP3B	Mx	.005	1
37	MP3B	X	10.461	6
38	MP3B	Z	6.04	6
39	MP3B	Mx	.005	6
40	MP3C	X	9.028	1
41	MP3C	Z	5.212	1
42	MP3C	Mx	.000605	1
43	MP3C	X	9.028	6
44	MP3C	Z	5.212	6
45	MP3C	Mx	.000605	6
46	MP4A	X	2.894	2.5
47	MP4A	Z	1.671	2.5
48	MP4A	Mx	-.001	2.5
49	MP4A	X	2.894	4.5
50	MP4A	Z	1.671	4.5
51	MP4A	Mx	-.001	4.5
52	MP4B	X	2.894	2.5
53	MP4B	Z	1.671	2.5
54	MP4B	Mx	-.001	2.5
55	MP4B	X	2.894	4.5
56	MP4B	Z	1.671	4.5
57	MP4B	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	2.894	2.5
59	MP4C	Z	1.671	2.5
60	MP4C	Mx	.001	2.5
61	MP4C	X	2.894	4.5
62	MP4C	Z	1.671	4.5
63	MP4C	Mx	.001	4.5
64	M74A	X	9.196	1.5
65	M74A	Z	5.309	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	3.182	2.5
68	MP2A	Z	1.837	2.5
69	MP2A	Mx	.002	2.5
70	MP2B	X	3.182	2.5
71	MP2B	Z	1.837	2.5
72	MP2B	Mx	.002	2.5
73	MP2C	X	3.182	2.5
74	MP2C	Z	1.837	2.5
75	MP2C	Mx	-.002	2.5
76	MP2A	X	4.296	2
77	MP2A	Z	2.481	2
78	MP2A	Mx	-.002	2
79	MP2A	X	4.296	5
80	MP2A	Z	2.481	5
81	MP2A	Mx	-.002	5
82	MP2B	X	4.904	2
83	MP2B	Z	2.831	2
84	MP2B	Mx	0	2
85	MP2B	X	4.904	5
86	MP2B	Z	2.831	5
87	MP2B	Mx	0	5
88	MP2C	X	4.296	2
89	MP2C	Z	2.481	2
90	MP2C	Mx	.002	2
91	MP2C	X	4.296	5
92	MP2C	Z	2.481	5
93	MP2C	Mx	.002	5
94	MP5A	X	4.296	2
95	MP5A	Z	2.481	2
96	MP5A	Mx	-.002	2
97	MP5A	X	4.296	5
98	MP5A	Z	2.481	5
99	MP5A	Mx	-.002	5
100	MP5B	X	4.904	2
101	MP5B	Z	2.831	2
102	MP5B	Mx	0	2
103	MP5B	X	4.904	5
104	MP5B	Z	2.831	5
105	MP5B	Mx	0	5
106	MP5C	X	4.296	2
107	MP5C	Z	2.481	2
108	MP5C	Mx	.002	2
109	MP5C	X	4.296	5
110	MP5C	Z	2.481	5
111	MP5C	Mx	.002	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.206	2.5
2	MP3A	Z	3.821	2.5
3	MP3A	Mx	.001	2.5
4	MP3B	X	1.488	2.5
5	MP3B	Z	2.577	2.5
6	MP3B	Mx	.001	2.5
7	MP3C	X	1.488	2.5
8	MP3C	Z	2.577	2.5
9	MP3C	Mx	-.001	2.5
10	MP3A	X	6.04	1
11	MP3A	Z	10.461	1
12	MP3A	Mx	.005	1
13	MP3A	X	6.04	6
14	MP3A	Z	10.461	6
15	MP3A	Mx	.005	6
16	MP3B	X	4.798	1
17	MP3B	Z	8.311	1
18	MP3B	Mx	-.005	1
19	MP3B	X	4.798	6
20	MP3B	Z	8.311	6
21	MP3B	Mx	-.005	6
22	MP3C	X	4.798	1
23	MP3C	Z	8.311	1
24	MP3C	Mx	.005	1
25	MP3C	X	4.798	6
26	MP3C	Z	8.311	6
27	MP3C	Mx	.005	6
28	MP3A	X	6.04	1
29	MP3A	Z	10.461	1
30	MP3A	Mx	-.011	1
31	MP3A	X	6.04	6
32	MP3A	Z	10.461	6
33	MP3A	Mx	-.011	6
34	MP3B	X	5.212	1
35	MP3B	Z	9.028	1
36	MP3B	Mx	-.000605	1
37	MP3B	X	5.212	6
38	MP3B	Z	9.028	6
39	MP3B	Mx	-.000605	6
40	MP3C	X	4.798	1
41	MP3C	Z	8.311	1
42	MP3C	Mx	.005	1
43	MP3C	X	4.798	6
44	MP3C	Z	8.311	6
45	MP3C	Mx	.005	6
46	MP4A	X	2.606	2.5
47	MP4A	Z	4.513	2.5
48	MP4A	Mx	-.001	2.5
49	MP4A	X	2.606	4.5
50	MP4A	Z	4.513	4.5
51	MP4A	Mx	-.001	4.5
52	MP4B	X	1.203	2.5
53	MP4B	Z	2.084	2.5
54	MP4B	Mx	-.001	2.5
55	MP4B	X	1.203	4.5
56	MP4B	Z	2.084	4.5
57	MP4B	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	1.203	2.5
59	MP4C	Z	2.084	2.5
60	MP4C	Mx	.001	2.5
61	MP4C	X	1.203	4.5
62	MP4C	Z	2.084	4.5
63	MP4C	Mx	.001	4.5
64	M74A	X	4.995	1.5
65	M74A	Z	8.651	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	2.243	2.5
68	MP2A	Z	3.885	2.5
69	MP2A	Mx	.001	2.5
70	MP2B	X	1.635	2.5
71	MP2B	Z	2.831	2.5
72	MP2B	Mx	.002	2.5
73	MP2C	X	1.635	2.5
74	MP2C	Z	2.831	2.5
75	MP2C	Mx	-.002	2.5
76	MP2A	X	2.714	2
77	MP2A	Z	4.701	2
78	MP2A	Mx	-.001	2
79	MP2A	X	2.714	5
80	MP2A	Z	4.701	5
81	MP2A	Mx	-.001	5
82	MP2B	X	2.714	2
83	MP2B	Z	4.701	2
84	MP2B	Mx	-.001	2
85	MP2B	X	2.714	5
86	MP2B	Z	4.701	5
87	MP2B	Mx	-.001	5
88	MP2C	X	2.364	2
89	MP2C	Z	4.094	2
90	MP2C	Mx	.002	2
91	MP2C	X	2.364	5
92	MP2C	Z	4.094	5
93	MP2C	Mx	.002	5
94	MP5A	X	2.714	2
95	MP5A	Z	4.701	2
96	MP5A	Mx	-.001	2
97	MP5A	X	2.714	5
98	MP5A	Z	4.701	5
99	MP5A	Mx	-.001	5
100	MP5B	X	2.714	2
101	MP5B	Z	4.701	2
102	MP5B	Mx	-.001	2
103	MP5B	X	2.714	5
104	MP5B	Z	4.701	5
105	MP5B	Mx	-.001	5
106	MP5C	X	2.364	2
107	MP5C	Z	4.094	2
108	MP5C	Mx	.002	2
109	MP5C	X	2.364	5
110	MP5C	Z	4.094	5
111	MP5C	Mx	.002	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2.5
2	MP3A	Z	4.891	2.5
3	MP3A	Mx	0	2.5
4	MP3B	X	0	2.5
5	MP3B	Z	3.454	2.5
6	MP3B	Mx	.001	2.5
7	MP3C	X	0	2.5
8	MP3C	Z	3.454	2.5
9	MP3C	Mx	-.001	2.5
10	MP3A	X	0	1
11	MP3A	Z	12.908	1
12	MP3A	Mx	.01	1
13	MP3A	X	0	6
14	MP3A	Z	12.908	6
15	MP3A	Mx	.01	6
16	MP3B	X	0	1
17	MP3B	Z	10.424	1
18	MP3B	Mx	-.000605	1
19	MP3B	X	0	6
20	MP3B	Z	10.424	6
21	MP3B	Mx	-.000605	6
22	MP3C	X	0	1
23	MP3C	Z	10.424	1
24	MP3C	Mx	.000605	1
25	MP3C	X	0	6
26	MP3C	Z	10.424	6
27	MP3C	Mx	.000605	6
28	MP3A	X	0	1
29	MP3A	Z	12.908	1
30	MP3A	Mx	-.01	1
31	MP3A	X	0	6
32	MP3A	Z	12.908	6
33	MP3A	Mx	-.01	6
34	MP3B	X	0	1
35	MP3B	Z	9.596	1
36	MP3B	Mx	-.005	1
37	MP3B	X	0	6
38	MP3B	Z	9.596	6
39	MP3B	Mx	-.005	6
40	MP3C	X	0	1
41	MP3C	Z	10.424	1
42	MP3C	Mx	.008	1
43	MP3C	X	0	6
44	MP3C	Z	10.424	6
45	MP3C	Mx	.008	6
46	MP4A	X	0	2.5
47	MP4A	Z	6.146	2.5
48	MP4A	Mx	0	2.5
49	MP4A	X	0	4.5
50	MP4A	Z	6.146	4.5
51	MP4A	Mx	0	4.5
52	MP4B	X	0	2.5
53	MP4B	Z	3.341	2.5
54	MP4B	Mx	-.001	2.5
55	MP4B	X	0	4.5
56	MP4B	Z	3.341	4.5
57	MP4B	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	0	2.5
59	MP4C	Z	3.341	2.5
60	MP4C	Mx	.001	2.5
61	MP4C	X	0	4.5
62	MP4C	Z	3.341	4.5
63	MP4C	Mx	.001	4.5
64	M74A	X	0	1.5
65	M74A	Z	8.731	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	0	2.5
68	MP2A	Z	4.891	2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	3.675	2.5
72	MP2B	Mx	.002	2.5
73	MP2C	X	0	2.5
74	MP2C	Z	3.675	2.5
75	MP2C	Mx	-.002	2.5
76	MP2A	X	0	2
77	MP2A	Z	5.663	2
78	MP2A	Mx	0	2
79	MP2A	X	0	5
80	MP2A	Z	5.663	5
81	MP2A	Mx	0	5
82	MP2B	X	0	2
83	MP2B	Z	4.961	2
84	MP2B	Mx	-.002	2
85	MP2B	X	0	5
86	MP2B	Z	4.961	5
87	MP2B	Mx	-.002	5
88	MP2C	X	0	2
89	MP2C	Z	4.961	2
90	MP2C	Mx	.002	2
91	MP2C	X	0	5
92	MP2C	Z	4.961	5
93	MP2C	Mx	.002	5
94	MP5A	X	0	2
95	MP5A	Z	5.663	2
96	MP5A	Mx	0	2
97	MP5A	X	0	5
98	MP5A	Z	5.663	5
99	MP5A	Mx	0	5
100	MP5B	X	0	2
101	MP5B	Z	4.961	2
102	MP5B	Mx	-.002	2
103	MP5B	X	0	5
104	MP5B	Z	4.961	5
105	MP5B	Mx	-.002	5
106	MP5C	X	0	2
107	MP5C	Z	4.961	2
108	MP5C	Mx	.002	2
109	MP5C	X	0	5
110	MP5C	Z	4.961	5
111	MP5C	Mx	.002	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.206	2.5
2	MP3A	Z	3.821	2.5
3	MP3A	Mx	-.001	2.5
4	MP3B	X	-2.206	2.5
5	MP3B	Z	3.821	2.5
6	MP3B	Mx	.001	2.5
7	MP3C	X	-2.206	2.5
8	MP3C	Z	3.821	2.5
9	MP3C	Mx	-.001	2.5
10	MP3A	X	-6.04	1
11	MP3A	Z	10.461	1
12	MP3A	Mx	.011	1
13	MP3A	X	-6.04	6
14	MP3A	Z	10.461	6
15	MP3A	Mx	.011	6
16	MP3B	X	-6.04	1
17	MP3B	Z	10.461	1
18	MP3B	Mx	.005	1
19	MP3B	X	-6.04	6
20	MP3B	Z	10.461	6
21	MP3B	Mx	.005	6
22	MP3C	X	-6.04	1
23	MP3C	Z	10.461	1
24	MP3C	Mx	-.005	1
25	MP3C	X	-6.04	6
26	MP3C	Z	10.461	6
27	MP3C	Mx	-.005	6
28	MP3A	X	-6.04	1
29	MP3A	Z	10.461	1
30	MP3A	Mx	-.005	1
31	MP3A	X	-6.04	6
32	MP3A	Z	10.461	6
33	MP3A	Mx	-.005	6
34	MP3B	X	-5.212	1
35	MP3B	Z	9.028	1
36	MP3B	Mx	-.008	1
37	MP3B	X	-5.212	6
38	MP3B	Z	9.028	6
39	MP3B	Mx	-.008	6
40	MP3C	X	-6.04	1
41	MP3C	Z	10.461	1
42	MP3C	Mx	.011	1
43	MP3C	X	-6.04	6
44	MP3C	Z	10.461	6
45	MP3C	Mx	.011	6
46	MP4A	X	-2.606	2.5
47	MP4A	Z	4.513	2.5
48	MP4A	Mx	.001	2.5
49	MP4A	X	-2.606	4.5
50	MP4A	Z	4.513	4.5
51	MP4A	Mx	.001	4.5
52	MP4B	X	-2.606	2.5
53	MP4B	Z	4.513	2.5
54	MP4B	Mx	-.001	2.5
55	MP4B	X	-2.606	4.5
56	MP4B	Z	4.513	4.5
57	MP4B	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	-2.606	2.5
59	MP4C	Z	4.513	2.5
60	MP4C	Mx	.001	2.5
61	MP4C	X	-2.606	4.5
62	MP4C	Z	4.513	4.5
63	MP4C	Mx	.001	4.5
64	M74A	X	-4.051	1.5
65	M74A	Z	7.016	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-2.243	2.5
68	MP2A	Z	3.885	2.5
69	MP2A	Mx	-.001	2.5
70	MP2B	X	-2.243	2.5
71	MP2B	Z	3.885	2.5
72	MP2B	Mx	.001	2.5
73	MP2C	X	-2.243	2.5
74	MP2C	Z	3.885	2.5
75	MP2C	Mx	-.001	2.5
76	MP2A	X	-2.714	2
77	MP2A	Z	4.701	2
78	MP2A	Mx	.001	2
79	MP2A	X	-2.714	5
80	MP2A	Z	4.701	5
81	MP2A	Mx	.001	5
82	MP2B	X	-2.364	2
83	MP2B	Z	4.094	2
84	MP2B	Mx	-.002	2
85	MP2B	X	-2.364	5
86	MP2B	Z	4.094	5
87	MP2B	Mx	-.002	5
88	MP2C	X	-2.714	2
89	MP2C	Z	4.701	2
90	MP2C	Mx	.001	2
91	MP2C	X	-2.714	5
92	MP2C	Z	4.701	5
93	MP2C	Mx	.001	5
94	MP5A	X	-2.714	2
95	MP5A	Z	4.701	2
96	MP5A	Mx	.001	2
97	MP5A	X	-2.714	5
98	MP5A	Z	4.701	5
99	MP5A	Mx	.001	5
100	MP5B	X	-2.364	2
101	MP5B	Z	4.094	2
102	MP5B	Mx	-.002	2
103	MP5B	X	-2.364	5
104	MP5B	Z	4.094	5
105	MP5B	Mx	-.002	5
106	MP5C	X	-2.714	2
107	MP5C	Z	4.701	2
108	MP5C	Mx	.001	2
109	MP5C	X	-2.714	5
110	MP5C	Z	4.701	5
111	MP5C	Mx	.001	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.991	2.5
2	MP3A	Z	1.727	2.5
3	MP3A	Mx	-.001	2.5
4	MP3B	X	-4.236	2.5
5	MP3B	Z	2.446	2.5
6	MP3B	Mx	0	2.5
7	MP3C	X	-4.236	2.5
8	MP3C	Z	2.446	2.5
9	MP3C	Mx	0	2.5
10	MP3A	X	-9.028	1
11	MP3A	Z	5.212	1
12	MP3A	Mx	.008	1
13	MP3A	X	-9.028	6
14	MP3A	Z	5.212	6
15	MP3A	Mx	.008	6
16	MP3B	X	-11.178	1
17	MP3B	Z	6.454	1
18	MP3B	Mx	.01	1
19	MP3B	X	-11.178	6
20	MP3B	Z	6.454	6
21	MP3B	Mx	.01	6
22	MP3C	X	-11.178	1
23	MP3C	Z	6.454	1
24	MP3C	Mx	-.01	1
25	MP3C	X	-11.178	6
26	MP3C	Z	6.454	6
27	MP3C	Mx	-.01	6
28	MP3A	X	-9.028	1
29	MP3A	Z	5.212	1
30	MP3A	Mx	.000605	1
31	MP3A	X	-9.028	6
32	MP3A	Z	5.212	6
33	MP3A	Mx	.000605	6
34	MP3B	X	-10.461	1
35	MP3B	Z	6.04	1
36	MP3B	Mx	-.011	1
37	MP3B	X	-10.461	6
38	MP3B	Z	6.04	6
39	MP3B	Mx	-.011	6
40	MP3C	X	-11.178	1
41	MP3C	Z	6.454	1
42	MP3C	Mx	.01	1
43	MP3C	X	-11.178	6
44	MP3C	Z	6.454	6
45	MP3C	Mx	.01	6
46	MP4A	X	-2.894	2.5
47	MP4A	Z	1.671	2.5
48	MP4A	Mx	.001	2.5
49	MP4A	X	-2.894	4.5
50	MP4A	Z	1.671	4.5
51	MP4A	Mx	.001	4.5
52	MP4B	X	-5.323	2.5
53	MP4B	Z	3.073	2.5
54	MP4B	Mx	0	2.5
55	MP4B	X	-5.323	4.5
56	MP4B	Z	3.073	4.5
57	MP4B	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	-5.323	2.5
59	MP4C	Z	3.073	2.5
60	MP4C	Mx	0	2.5
61	MP4C	X	-5.323	4.5
62	MP4C	Z	3.073	4.5
63	MP4C	Mx	0	4.5
64	M74A	X	-7.561	1.5
65	M74A	Z	4.365	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-3.182	2.5
68	MP2A	Z	1.837	2.5
69	MP2A	Mx	-.002	2.5
70	MP2B	X	-4.236	2.5
71	MP2B	Z	2.446	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	-4.236	2.5
74	MP2C	Z	2.446	2.5
75	MP2C	Mx	0	2.5
76	MP2A	X	-4.296	2
77	MP2A	Z	2.481	2
78	MP2A	Mx	.002	2
79	MP2A	X	-4.296	5
80	MP2A	Z	2.481	5
81	MP2A	Mx	.002	5
82	MP2B	X	-4.296	2
83	MP2B	Z	2.481	2
84	MP2B	Mx	-.002	2
85	MP2B	X	-4.296	5
86	MP2B	Z	2.481	5
87	MP2B	Mx	-.002	5
88	MP2C	X	-4.904	2
89	MP2C	Z	2.831	2
90	MP2C	Mx	0	2
91	MP2C	X	-4.904	5
92	MP2C	Z	2.831	5
93	MP2C	Mx	0	5
94	MP5A	X	-4.296	2
95	MP5A	Z	2.481	2
96	MP5A	Mx	.002	2
97	MP5A	X	-4.296	5
98	MP5A	Z	2.481	5
99	MP5A	Mx	.002	5
100	MP5B	X	-4.296	2
101	MP5B	Z	2.481	2
102	MP5B	Mx	-.002	2
103	MP5B	X	-4.296	5
104	MP5B	Z	2.481	5
105	MP5B	Mx	-.002	5
106	MP5C	X	-4.904	2
107	MP5C	Z	2.831	2
108	MP5C	Mx	0	2
109	MP5C	X	-4.904	5
110	MP5C	Z	2.831	5
111	MP5C	Mx	0	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.975	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	-.001	2.5
4	MP3B	X	-4.412	2.5
5	MP3B	Z	0	2.5
6	MP3B	Mx	-.001	2.5
7	MP3C	X	-4.412	2.5
8	MP3C	Z	0	2.5
9	MP3C	Mx	.001	2.5
10	MP3A	X	-9.596	1
11	MP3A	Z	0	1
12	MP3A	Mx	.005	1
13	MP3A	X	-9.596	6
14	MP3A	Z	0	6
15	MP3A	Mx	.005	6
16	MP3B	X	-12.08	1
17	MP3B	Z	0	1
18	MP3B	Mx	.011	1
19	MP3B	X	-12.08	6
20	MP3B	Z	0	6
21	MP3B	Mx	.011	6
22	MP3C	X	-12.08	1
23	MP3C	Z	0	1
24	MP3C	Mx	-.011	1
25	MP3C	X	-12.08	6
26	MP3C	Z	0	6
27	MP3C	Mx	-.011	6
28	MP3A	X	-9.596	1
29	MP3A	Z	0	1
30	MP3A	Mx	.005	1
31	MP3A	X	-9.596	6
32	MP3A	Z	0	6
33	MP3A	Mx	.005	6
34	MP3B	X	-12.908	1
35	MP3B	Z	0	1
36	MP3B	Mx	-.01	1
37	MP3B	X	-12.908	6
38	MP3B	Z	0	6
39	MP3B	Mx	-.01	6
40	MP3C	X	-12.08	1
41	MP3C	Z	0	1
42	MP3C	Mx	.005	1
43	MP3C	X	-12.08	6
44	MP3C	Z	0	6
45	MP3C	Mx	.005	6
46	MP4A	X	-2.406	2.5
47	MP4A	Z	0	2.5
48	MP4A	Mx	.001	2.5
49	MP4A	X	-2.406	4.5
50	MP4A	Z	0	4.5
51	MP4A	Mx	.001	4.5
52	MP4B	X	-5.211	2.5
53	MP4B	Z	0	2.5
54	MP4B	Mx	.001	2.5
55	MP4B	X	-5.211	4.5
56	MP4B	Z	0	4.5
57	MP4B	Mx	.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	-5.211	2.5
59	MP4C	Z	0	2.5
60	MP4C	Mx	-.001	2.5
61	MP4C	X	-5.211	4.5
62	MP4C	Z	0	4.5
63	MP4C	Mx	-.001	4.5
64	M74A	X	-9.99	1.5
65	M74A	Z	0	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-3.269	2.5
68	MP2A	Z	0	2.5
69	MP2A	Mx	-.002	2.5
70	MP2B	X	-4.486	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	-.001	2.5
73	MP2C	X	-4.486	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	.001	2.5
76	MP2A	X	-4.727	2
77	MP2A	Z	0	2
78	MP2A	Mx	.002	2
79	MP2A	X	-4.727	5
80	MP2A	Z	0	5
81	MP2A	Mx	.002	5
82	MP2B	X	-5.429	2
83	MP2B	Z	0	2
84	MP2B	Mx	-.001	2
85	MP2B	X	-5.429	5
86	MP2B	Z	0	5
87	MP2B	Mx	-.001	5
88	MP2C	X	-5.429	2
89	MP2C	Z	0	2
90	MP2C	Mx	-.001	2
91	MP2C	X	-5.429	5
92	MP2C	Z	0	5
93	MP2C	Mx	-.001	5
94	MP5A	X	-4.727	2
95	MP5A	Z	0	2
96	MP5A	Mx	.002	2
97	MP5A	X	-4.727	5
98	MP5A	Z	0	5
99	MP5A	Mx	.002	5
100	MP5B	X	-5.429	2
101	MP5B	Z	0	2
102	MP5B	Mx	-.001	2
103	MP5B	X	-5.429	5
104	MP5B	Z	0	5
105	MP5B	Mx	-.001	5
106	MP5C	X	-5.429	2
107	MP5C	Z	0	2
108	MP5C	Mx	-.001	2
109	MP5C	X	-5.429	5
110	MP5C	Z	0	5
111	MP5C	Mx	-.001	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.991	2.5
2	MP3A	Z	-1.727	2.5
3	MP3A	Mx	-.001	2.5
4	MP3B	X	-2.991	2.5
5	MP3B	Z	-1.727	2.5
6	MP3B	Mx	-.001	2.5
7	MP3C	X	-2.991	2.5
8	MP3C	Z	-1.727	2.5
9	MP3C	Mx	.001	2.5
10	MP3A	X	-9.028	1
11	MP3A	Z	-5.212	1
12	MP3A	Mx	.000605	1
13	MP3A	X	-9.028	6
14	MP3A	Z	-5.212	6
15	MP3A	Mx	.000605	6
16	MP3B	X	-9.028	1
17	MP3B	Z	-5.212	1
18	MP3B	Mx	.008	1
19	MP3B	X	-9.028	6
20	MP3B	Z	-5.212	6
21	MP3B	Mx	.008	6
22	MP3C	X	-9.028	1
23	MP3C	Z	-5.212	1
24	MP3C	Mx	-.008	1
25	MP3C	X	-9.028	6
26	MP3C	Z	-5.212	6
27	MP3C	Mx	-.008	6
28	MP3A	X	-9.028	1
29	MP3A	Z	-5.212	1
30	MP3A	Mx	.008	1
31	MP3A	X	-9.028	6
32	MP3A	Z	-5.212	6
33	MP3A	Mx	.008	6
34	MP3B	X	-10.461	1
35	MP3B	Z	-6.04	1
36	MP3B	Mx	-.005	1
37	MP3B	X	-10.461	6
38	MP3B	Z	-6.04	6
39	MP3B	Mx	-.005	6
40	MP3C	X	-9.028	1
41	MP3C	Z	-5.212	1
42	MP3C	Mx	-.000605	1
43	MP3C	X	-9.028	6
44	MP3C	Z	-5.212	6
45	MP3C	Mx	-.000605	6
46	MP4A	X	-2.894	2.5
47	MP4A	Z	-1.671	2.5
48	MP4A	Mx	.001	2.5
49	MP4A	X	-2.894	4.5
50	MP4A	Z	-1.671	4.5
51	MP4A	Mx	.001	4.5
52	MP4B	X	-2.894	2.5
53	MP4B	Z	-1.671	2.5
54	MP4B	Mx	.001	2.5
55	MP4B	X	-2.894	4.5
56	MP4B	Z	-1.671	4.5
57	MP4B	Mx	.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	-2.894	2.5
59	MP4C	Z	-1.671	2.5
60	MP4C	Mx	-.001	2.5
61	MP4C	X	-2.894	4.5
62	MP4C	Z	-1.671	4.5
63	MP4C	Mx	-.001	4.5
64	M74A	X	-9.196	1.5
65	M74A	Z	-5.309	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-3.182	2.5
68	MP2A	Z	-1.837	2.5
69	MP2A	Mx	-.002	2.5
70	MP2B	X	-3.182	2.5
71	MP2B	Z	-1.837	2.5
72	MP2B	Mx	-.002	2.5
73	MP2C	X	-3.182	2.5
74	MP2C	Z	-1.837	2.5
75	MP2C	Mx	.002	2.5
76	MP2A	X	-4.296	2
77	MP2A	Z	-2.481	2
78	MP2A	Mx	.002	2
79	MP2A	X	-4.296	5
80	MP2A	Z	-2.481	5
81	MP2A	Mx	.002	5
82	MP2B	X	-4.904	2
83	MP2B	Z	-2.831	2
84	MP2B	Mx	0	2
85	MP2B	X	-4.904	5
86	MP2B	Z	-2.831	5
87	MP2B	Mx	0	5
88	MP2C	X	-4.296	2
89	MP2C	Z	-2.481	2
90	MP2C	Mx	-.002	2
91	MP2C	X	-4.296	5
92	MP2C	Z	-2.481	5
93	MP2C	Mx	-.002	5
94	MP5A	X	-4.296	2
95	MP5A	Z	-2.481	2
96	MP5A	Mx	.002	2
97	MP5A	X	-4.296	5
98	MP5A	Z	-2.481	5
99	MP5A	Mx	.002	5
100	MP5B	X	-4.904	2
101	MP5B	Z	-2.831	2
102	MP5B	Mx	0	2
103	MP5B	X	-4.904	5
104	MP5B	Z	-2.831	5
105	MP5B	Mx	0	5
106	MP5C	X	-4.296	2
107	MP5C	Z	-2.481	2
108	MP5C	Mx	-.002	2
109	MP5C	X	-4.296	5
110	MP5C	Z	-2.481	5
111	MP5C	Mx	-.002	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.206	2.5
2	MP3A	Z	-3.821	2.5
3	MP3A	Mx	-.001	2.5
4	MP3B	X	-1.488	2.5
5	MP3B	Z	-2.577	2.5
6	MP3B	Mx	-.001	2.5
7	MP3C	X	-1.488	2.5
8	MP3C	Z	-2.577	2.5
9	MP3C	Mx	.001	2.5
10	MP3A	X	-6.04	1
11	MP3A	Z	-10.461	1
12	MP3A	Mx	-.005	1
13	MP3A	X	-6.04	6
14	MP3A	Z	-10.461	6
15	MP3A	Mx	-.005	6
16	MP3B	X	-4.798	1
17	MP3B	Z	-8.311	1
18	MP3B	Mx	.005	1
19	MP3B	X	-4.798	6
20	MP3B	Z	-8.311	6
21	MP3B	Mx	.005	6
22	MP3C	X	-4.798	1
23	MP3C	Z	-8.311	1
24	MP3C	Mx	-.005	1
25	MP3C	X	-4.798	6
26	MP3C	Z	-8.311	6
27	MP3C	Mx	-.005	6
28	MP3A	X	-6.04	1
29	MP3A	Z	-10.461	1
30	MP3A	Mx	.011	1
31	MP3A	X	-6.04	6
32	MP3A	Z	-10.461	6
33	MP3A	Mx	.011	6
34	MP3B	X	-5.212	1
35	MP3B	Z	-9.028	1
36	MP3B	Mx	.000605	1
37	MP3B	X	-5.212	6
38	MP3B	Z	-9.028	6
39	MP3B	Mx	.000605	6
40	MP3C	X	-4.798	1
41	MP3C	Z	-8.311	1
42	MP3C	Mx	-.005	1
43	MP3C	X	-4.798	6
44	MP3C	Z	-8.311	6
45	MP3C	Mx	-.005	6
46	MP4A	X	-2.606	2.5
47	MP4A	Z	-4.513	2.5
48	MP4A	Mx	.001	2.5
49	MP4A	X	-2.606	4.5
50	MP4A	Z	-4.513	4.5
51	MP4A	Mx	.001	4.5
52	MP4B	X	-1.203	2.5
53	MP4B	Z	-2.084	2.5
54	MP4B	Mx	.001	2.5
55	MP4B	X	-1.203	4.5
56	MP4B	Z	-2.084	4.5
57	MP4B	Mx	.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	-1.203	2.5
59	MP4C	Z	-2.084	2.5
60	MP4C	Mx	-.001	2.5
61	MP4C	X	-1.203	4.5
62	MP4C	Z	-2.084	4.5
63	MP4C	Mx	-.001	4.5
64	M74A	X	-4.995	1.5
65	M74A	Z	-8.651	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-2.243	2.5
68	MP2A	Z	-3.885	2.5
69	MP2A	Mx	-.001	2.5
70	MP2B	X	-1.635	2.5
71	MP2B	Z	-2.831	2.5
72	MP2B	Mx	-.002	2.5
73	MP2C	X	-1.635	2.5
74	MP2C	Z	-2.831	2.5
75	MP2C	Mx	.002	2.5
76	MP2A	X	-2.714	2
77	MP2A	Z	-4.701	2
78	MP2A	Mx	.001	2
79	MP2A	X	-2.714	5
80	MP2A	Z	-4.701	5
81	MP2A	Mx	.001	5
82	MP2B	X	-2.714	2
83	MP2B	Z	-4.701	2
84	MP2B	Mx	.001	2
85	MP2B	X	-2.714	5
86	MP2B	Z	-4.701	5
87	MP2B	Mx	.001	5
88	MP2C	X	-2.364	2
89	MP2C	Z	-4.094	2
90	MP2C	Mx	-.002	2
91	MP2C	X	-2.364	5
92	MP2C	Z	-4.094	5
93	MP2C	Mx	-.002	5
94	MP5A	X	-2.714	2
95	MP5A	Z	-4.701	2
96	MP5A	Mx	.001	2
97	MP5A	X	-2.714	5
98	MP5A	Z	-4.701	5
99	MP5A	Mx	.001	5
100	MP5B	X	-2.714	2
101	MP5B	Z	-4.701	2
102	MP5B	Mx	.001	2
103	MP5B	X	-2.714	5
104	MP5B	Z	-4.701	5
105	MP5B	Mx	.001	5
106	MP5C	X	-2.364	2
107	MP5C	Z	-4.094	2
108	MP5C	Mx	-.002	2
109	MP5C	X	-2.364	5
110	MP5C	Z	-4.094	5
111	MP5C	Mx	-.002	5

Member Point Loads (BLC 77 : Lm1)

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M84	Y	-500	%40

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M83	Y	-500	%50

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M83	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M37A	Y	-250	0

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	0	2.5
2	MP3A	My	0	2.5
3	MP3A	Mz	0	2.5
4	MP3B	Y	0	2.5
5	MP3B	My	0	2.5
6	MP3B	Mz	0	2.5
7	MP3C	Y	0	2.5
8	MP3C	My	0	2.5
9	MP3C	Mz	0	2.5
10	MP3A	Y	0	1
11	MP3A	My	0	1
12	MP3A	Mz	0	1
13	MP3A	Y	0	6
14	MP3A	My	0	6
15	MP3A	Mz	0	6
16	MP3B	Y	0	1
17	MP3B	My	0	1
18	MP3B	Mz	0	1
19	MP3B	Y	0	6
20	MP3B	My	0	6
21	MP3B	Mz	0	6
22	MP3C	Y	0	1
23	MP3C	My	0	1
24	MP3C	Mz	0	1
25	MP3C	Y	0	6
26	MP3C	My	0	6
27	MP3C	Mz	0	6
28	MP3A	Y	0	1
29	MP3A	My	0	1
30	MP3A	Mz	0	1
31	MP3A	Y	0	6
32	MP3A	My	0	6
33	MP3A	Mz	0	6
34	MP3B	Y	0	1
35	MP3B	My	0	1
36	MP3B	Mz	0	1
37	MP3B	Y	0	6
38	MP3B	My	0	6
39	MP3B	Mz	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP3C	Y	0	1
41	MP3C	My	0	1
42	MP3C	Mz	0	1
43	MP3C	Y	0	6
44	MP3C	My	0	6
45	MP3C	Mz	0	6
46	MP4A	Y	0	2.5
47	MP4A	My	0	2.5
48	MP4A	Mz	0	2.5
49	MP4A	Y	0	4.5
50	MP4A	My	0	4.5
51	MP4A	Mz	0	4.5
52	MP4B	Y	0	2.5
53	MP4B	My	0	2.5
54	MP4B	Mz	0	2.5
55	MP4B	Y	0	4.5
56	MP4B	My	0	4.5
57	MP4B	Mz	0	4.5
58	MP4C	Y	0	2.5
59	MP4C	My	0	2.5
60	MP4C	Mz	0	2.5
61	MP4C	Y	0	4.5
62	MP4C	My	0	4.5
63	MP4C	Mz	0	4.5
64	M74A	Y	0	1.5
65	M74A	My	0	1.5
66	M74A	Mz	0	1.5
67	MP2A	Y	0	2.5
68	MP2A	My	0	2.5
69	MP2A	Mz	0	2.5
70	MP2B	Y	0	2.5
71	MP2B	My	0	2.5
72	MP2B	Mz	0	2.5
73	MP2C	Y	0	2.5
74	MP2C	My	0	2.5
75	MP2C	Mz	0	2.5
76	MP2A	Y	0	2
77	MP2A	My	0	2
78	MP2A	Mz	0	2
79	MP2A	Y	0	5
80	MP2A	My	0	5
81	MP2A	Mz	0	5
82	MP2B	Y	0	2
83	MP2B	My	0	2
84	MP2B	Mz	0	2
85	MP2B	Y	0	5
86	MP2B	My	0	5
87	MP2B	Mz	0	5
88	MP2C	Y	0	2
89	MP2C	My	0	2
90	MP2C	Mz	0	2
91	MP2C	Y	0	5
92	MP2C	My	0	5
93	MP2C	Mz	0	5
94	MP5A	Y	0	2
95	MP5A	My	0	2
96	MP5A	Mz	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP5A	Y	0	5
98	MP5A	My	0	5
99	MP5A	Mz	0	5
100	MP5B	Y	0	2
101	MP5B	My	0	2
102	MP5B	Mz	0	2
103	MP5B	Y	0	5
104	MP5B	My	0	5
105	MP5B	Mz	0	5
106	MP5C	Y	0	2
107	MP5C	My	0	2
108	MP5C	Mz	0	2
109	MP5C	Y	0	5
110	MP5C	My	0	5
111	MP5C	Mz	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Z	-2.109	2.5
2	MP3A	Mx	0	2.5
3	MP3B	Z	-2.109	2.5
4	MP3B	Mx	-.000913	2.5
5	MP3C	Z	-2.109	2.5
6	MP3C	Mx	.000913	2.5
7	MP3A	Z	-.69	1
8	MP3A	Mx	-.000518	1
9	MP3A	Z	-.69	6
10	MP3A	Mx	-.000518	6
11	MP3B	Z	-.69	1
12	MP3B	Mx	4e-5	1
13	MP3B	Z	-.69	6
14	MP3B	Mx	4e-5	6
15	MP3C	Z	-.69	1
16	MP3C	Mx	-4e-5	1
17	MP3C	Z	-.69	6
18	MP3C	Mx	-4e-5	6
19	MP3A	Z	-.69	1
20	MP3A	Mx	.000518	1
21	MP3A	Z	-.69	6
22	MP3A	Mx	.000518	6
23	MP3B	Z	-.69	1
24	MP3B	Mx	.000345	1
25	MP3B	Z	-.69	6
26	MP3B	Mx	.000345	6
27	MP3C	Z	-.69	1
28	MP3C	Mx	-.000558	1
29	MP3C	Z	-.69	6
30	MP3C	Mx	-.000558	6
31	MP4A	Z	-1.306	2.5
32	MP4A	Mx	0	2.5
33	MP4A	Z	-1.306	4.5
34	MP4A	Mx	0	4.5
35	MP4B	Z	-1.306	2.5
36	MP4B	Mx	.000566	2.5
37	MP4B	Z	-1.306	4.5
38	MP4B	Mx	.000566	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP4C	Z	-1.306	2.5
40	MP4C	Mx	-.000566	2.5
41	MP4C	Z	-1.306	4.5
42	MP4C	Mx	-.000566	4.5
43	M74A	Z	-.96	1.5
44	M74A	Mx	0	1.5
45	MP2A	Z	-2.241	2.5
46	MP2A	Mx	0	2.5
47	MP2B	Z	-2.241	2.5
48	MP2B	Mx	-.00097	2.5
49	MP2C	Z	-2.241	2.5
50	MP2C	Mx	.00097	2.5
51	MP2A	Z	-.18	2
52	MP2A	Mx	0	2
53	MP2A	Z	-.18	5
54	MP2A	Mx	0	5
55	MP2B	Z	-.18	2
56	MP2B	Mx	7.8e-5	2
57	MP2B	Z	-.18	5
58	MP2B	Mx	7.8e-5	5
59	MP2C	Z	-.18	2
60	MP2C	Mx	-7.8e-5	2
61	MP2C	Z	-.18	5
62	MP2C	Mx	-7.8e-5	5
63	MP5A	Z	-.18	2
64	MP5A	Mx	0	2
65	MP5A	Z	-.18	5
66	MP5A	Mx	0	5
67	MP5B	Z	-.18	2
68	MP5B	Mx	7.8e-5	2
69	MP5B	Z	-.18	5
70	MP5B	Mx	7.8e-5	5
71	MP5C	Z	-.18	2
72	MP5C	Mx	-7.8e-5	2
73	MP5C	Z	-.18	5
74	MP5C	Mx	-7.8e-5	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.109	2.5
2	MP3A	Mx	.001	2.5
3	MP3B	X	2.109	2.5
4	MP3B	Mx	.000527	2.5
5	MP3C	X	2.109	2.5
6	MP3C	Mx	-.000527	2.5
7	MP3A	X	.69	1
8	MP3A	Mx	-.000345	1
9	MP3A	X	.69	6
10	MP3A	Mx	-.000345	6
11	MP3B	X	.69	1
12	MP3B	Mx	-.000621	1
13	MP3B	X	.69	6
14	MP3B	Mx	-.000621	6
15	MP3C	X	.69	1
16	MP3C	Mx	.000621	1
17	MP3C	X	.69	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3C	Mx	.000621	6
19	MP3A	X	.69	1
20	MP3A	Mx	-.000345	1
21	MP3A	X	.69	6
22	MP3A	Mx	-.000345	6
23	MP3B	X	.69	1
24	MP3B	Mx	.000518	1
25	MP3B	X	.69	6
26	MP3B	Mx	.000518	6
27	MP3C	X	.69	1
28	MP3C	Mx	-.000276	1
29	MP3C	X	.69	6
30	MP3C	Mx	-.000276	6
31	MP4A	X	1.306	2.5
32	MP4A	Mx	-.000653	2.5
33	MP4A	X	1.306	4.5
34	MP4A	Mx	-.000653	4.5
35	MP4B	X	1.306	2.5
36	MP4B	Mx	-.000327	2.5
37	MP4B	X	1.306	4.5
38	MP4B	Mx	-.000327	4.5
39	MP4C	X	1.306	2.5
40	MP4C	Mx	.000327	2.5
41	MP4C	X	1.306	4.5
42	MP4C	Mx	.000327	4.5
43	M74A	X	.96	1.5
44	M74A	Mx	0	1.5
45	MP2A	X	2.241	2.5
46	MP2A	Mx	.001	2.5
47	MP2B	X	2.241	2.5
48	MP2B	Mx	.00056	2.5
49	MP2C	X	2.241	2.5
50	MP2C	Mx	-.00056	2.5
51	MP2A	X	.18	2
52	MP2A	Mx	-9e-5	2
53	MP2A	X	.18	5
54	MP2A	Mx	-9e-5	5
55	MP2B	X	.18	2
56	MP2B	Mx	4.5e-5	2
57	MP2B	X	.18	5
58	MP2B	Mx	4.5e-5	5
59	MP2C	X	.18	2
60	MP2C	Mx	4.5e-5	2
61	MP2C	X	.18	5
62	MP2C	Mx	4.5e-5	5
63	MP5A	X	.18	2
64	MP5A	Mx	-9e-5	2
65	MP5A	X	.18	5
66	MP5A	Mx	-9e-5	5
67	MP5B	X	.18	2
68	MP5B	Mx	4.5e-5	2
69	MP5B	X	.18	5
70	MP5B	Mx	4.5e-5	5
71	MP5C	X	.18	2
72	MP5C	Mx	4.5e-5	2
73	MP5C	X	.18	5
74	MP5C	Mx	4.5e-5	5

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	M40	Y	-7.666	-7.666	0	%100
2	M41	Y	-7.666	-7.666	0	%100
3	M42	Y	-7.666	-7.666	0	%100
4	M43	Y	-7.666	-7.666	0	%100
5	M37A	Y	-6.612	-6.612	0	%100
6	M38A	Y	-6.612	-6.612	0	%100
7	M39A	Y	-6.612	-6.612	0	%100
8	MP5A	Y	-5.016	-5.016	0	%100
9	MP4A	Y	-5.016	-5.016	0	%100
10	MP3A	Y	-5.016	-5.016	0	%100
11	MP2A	Y	-5.016	-5.016	0	%100
12	MP1A	Y	-5.016	-5.016	0	%100
13	MP5C	Y	-5.016	-5.016	0	%100
14	MP4C	Y	-5.016	-5.016	0	%100
15	MP3C	Y	-5.016	-5.016	0	%100
16	MP2C	Y	-5.016	-5.016	0	%100
17	MP1C	Y	-5.016	-5.016	0	%100
18	MP5B	Y	-5.016	-5.016	0	%100
19	MP4B	Y	-5.016	-5.016	0	%100
20	MP3B	Y	-5.016	-5.016	0	%100
21	MP2B	Y	-5.016	-5.016	0	%100
22	MP1B	Y	-5.016	-5.016	0	%100
23	M61	Y	-7.666	-7.666	0	%100
24	M62	Y	-6.663	-6.663	0	%100
25	M63	Y	-6.663	-6.663	0	%100
26	M57	Y	-6.663	-6.663	0	%100
27	M58	Y	-6.663	-6.663	0	%100
28	M59	Y	-6.663	-6.663	0	%100
29	M60	Y	-6.663	-6.663	0	%100
30	M61A	Y	-5.66	-5.66	0	%100
31	M63A	Y	-5.66	-5.66	0	%100
32	M72A	Y	-10.225	-10.225	0	%100
33	M71A	Y	-10.225	-10.225	0	%100
34	M72B	Y	-10.225	-10.225	0	%100
35	M74A	Y	-5.016	-5.016	0	%100
36	M69	Y	-5.66	-5.66	0	%100
37	M71	Y	-5.66	-5.66	0	%100
38	M75A	Y	-5.66	-5.66	0	%100
39	M77A	Y	-5.66	-5.66	0	%100
40	M79A	Y	-7.666	-7.666	0	%100
41	M80B	Y	-7.666	-7.666	0	%100
42	M81	Y	-6.612	-6.612	0	%100
43	M82	Y	-6.612	-6.612	0	%100
44	M83	Y	-6.612	-6.612	0	%100
45	M84	Y	-6.612	-6.612	0	%100
46	M85	Y	-6.612	-6.612	0	%100
47	M86	Y	-6.612	-6.612	0	%100
48	M90	Y	-5.726	-5.726	0	%100
49	M96	Y	-5.726	-5.726	0	%100
50	M102	Y	-5.726	-5.726	0	%100
51	M109	Y	-7.666	-7.666	0	%100
52	M110	Y	-7.666	-7.666	0	%100
53	M111	Y	-7.666	-7.666	0	%100
54	M112	Y	-6.663	-6.663	0	%100
55	M113	Y	-6.663	-6.663	0	%100
56	M114	Y	-6.663	-6.663	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,%]
57	M115	Y	-6.663	-6.663	0	%100
58	M116	Y	-6.663	-6.663	0	%100
59	M117	Y	-6.663	-6.663	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	M40	X	0	0	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	-8.72	-8.72	0	%100
5	M42	X	0	0	0	%100
6	M42	Z	-8.72	-8.72	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M37A	X	0	0	0	%100
10	M37A	Z	-11.435	-11.435	0	%100
11	M38A	X	0	0	0	%100
12	M38A	Z	-2.859	-2.859	0	%100
13	M39A	X	0	0	0	%100
14	M39A	Z	-2.859	-2.859	0	%100
15	MP5A	X	0	0	0	%100
16	MP5A	Z	-9.448	-9.448	0	%100
17	MP4A	X	0	0	0	%100
18	MP4A	Z	-9.448	-9.448	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	-9.448	-9.448	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-9.448	-9.448	0	%100
23	MP1A	X	0	0	0	%100
24	MP1A	Z	-9.448	-9.448	0	%100
25	MP5C	X	0	0	0	%100
26	MP5C	Z	-9.448	-9.448	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	-9.448	-9.448	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	-9.448	-9.448	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-9.448	-9.448	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	-9.448	-9.448	0	%100
35	MP5B	X	0	0	0	%100
36	MP5B	Z	-9.448	-9.448	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	-9.448	-9.448	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	-9.448	-9.448	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	-9.448	-9.448	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	-9.448	-9.448	0	%100
45	M61	X	0	0	0	%100
46	M61	Z	-8.72	-8.72	0	%100
47	M62	X	0	0	0	%100
48	M62	Z	0	0	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	-10.105	-10.105	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,%]
51	M57	X	0	0	0	%100
52	M57	Z	-10.105	-10.105	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	-10.105	-10.105	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	-10.105	-10.105	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61A	X	0	0	0	%100
60	M61A	Z	0	0	0	%100
61	M63A	X	0	0	0	%100
62	M63A	Z	0	0	0	%100
63	M72A	X	0	0	0	%100
64	M72A	Z	-3.002	-3.002	0	%100
65	M71A	X	0	0	0	%100
66	M71A	Z	-.751	-.751	0	%100
67	M72B	X	0	0	0	%100
68	M72B	Z	-.751	-.751	0	%100
69	M74A	X	0	0	0	%100
70	M74A	Z	-8.61	-8.61	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	-7.045	-7.045	0	%100
73	M71	X	0	0	0	%100
74	M71	Z	-7.045	-7.045	0	%100
75	M75A	X	0	0	0	%100
76	M75A	Z	-7.045	-7.045	0	%100
77	M77A	X	0	0	0	%100
78	M77A	Z	-7.045	-7.045	0	%100
79	M79A	X	0	0	0	%100
80	M79A	Z	-8.454	-8.454	0	%100
81	M80B	X	0	0	0	%100
82	M80B	Z	-8.454	-8.454	0	%100
83	M81	X	0	0	0	%100
84	M81	Z	-11.435	-11.435	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	-11.435	-11.435	0	%100
87	M83	X	0	0	0	%100
88	M83	Z	-2.859	-2.859	0	%100
89	M84	X	0	0	0	%100
90	M84	Z	-2.859	-2.859	0	%100
91	M85	X	0	0	0	%100
92	M85	Z	-2.859	-2.859	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	-2.859	-2.859	0	%100
95	M90	X	0	0	0	%100
96	M90	Z	-11.437	-11.437	0	%100
97	M96	X	0	0	0	%100
98	M96	Z	-2.859	-2.859	0	%100
99	M102	X	0	0	0	%100
100	M102	Z	-2.859	-2.859	0	%100
101	M109	X	0	0	0	%100
102	M109	Z	-3.775	-3.775	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	-3.775	-3.775	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	-15.099	-15.099	0	%100
107	M112	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,%]
108	M112	Z	-9.594	-9.594	0	%100
109	M113	X	0	0	0	%100
110	M113	Z	-9.594	-9.594	0	%100
111	M114	X	0	0	0	%100
112	M114	Z	-14.085	-14.085	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	-1.661	-1.661	0	%100
115	M116	X	0	0	0	%100
116	M116	Z	-1.661	-1.661	0	%100
117	M117	X	0	0	0	%100
118	M117	Z	-14.085	-14.085	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	M40	X	1.453	1.453	0	%100
2	M40	Z	-2.517	-2.517	0	%100
3	M41	X	1.453	1.453	0	%100
4	M41	Z	-2.517	-2.517	0	%100
5	M42	X	5.813	5.813	0	%100
6	M42	Z	-10.068	-10.068	0	%100
7	M43	X	1.409	1.409	0	%100
8	M43	Z	-2.44	-2.44	0	%100
9	M37A	X	4.288	4.288	0	%100
10	M37A	Z	-7.427	-7.427	0	%100
11	M38A	X	4.288	4.288	0	%100
12	M38A	Z	-7.427	-7.427	0	%100
13	M39A	X	0	0	0	%100
14	M39A	Z	0	0	0	%100
15	MP5A	X	4.724	4.724	0	%100
16	MP5A	Z	-8.182	-8.182	0	%100
17	MP4A	X	4.724	4.724	0	%100
18	MP4A	Z	-8.182	-8.182	0	%100
19	MP3A	X	4.724	4.724	0	%100
20	MP3A	Z	-8.182	-8.182	0	%100
21	MP2A	X	4.724	4.724	0	%100
22	MP2A	Z	-8.182	-8.182	0	%100
23	MP1A	X	4.724	4.724	0	%100
24	MP1A	Z	-8.182	-8.182	0	%100
25	MP5C	X	4.724	4.724	0	%100
26	MP5C	Z	-8.182	-8.182	0	%100
27	MP4C	X	4.724	4.724	0	%100
28	MP4C	Z	-8.182	-8.182	0	%100
29	MP3C	X	4.724	4.724	0	%100
30	MP3C	Z	-8.182	-8.182	0	%100
31	MP2C	X	4.724	4.724	0	%100
32	MP2C	Z	-8.182	-8.182	0	%100
33	MP1C	X	4.724	4.724	0	%100
34	MP1C	Z	-8.182	-8.182	0	%100
35	MP5B	X	4.724	4.724	0	%100
36	MP5B	Z	-8.182	-8.182	0	%100
37	MP4B	X	4.724	4.724	0	%100
38	MP4B	Z	-8.182	-8.182	0	%100
39	MP3B	X	4.724	4.724	0	%100
40	MP3B	Z	-8.182	-8.182	0	%100
41	MP2B	X	4.724	4.724	0	%100
42	MP2B	Z	-8.182	-8.182	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,%]
43	MP1B	X	4.724	4.724	0	%100
44	MP1B	Z	-8.182	-8.182	0	%100
45	M61	X	5.813	5.813	0	%100
46	M61	Z	-10.068	-10.068	0	%100
47	M62	X	1.684	1.684	0	%100
48	M62	Z	-2.917	-2.917	0	%100
49	M63	X	1.684	1.684	0	%100
50	M63	Z	-2.917	-2.917	0	%100
51	M57	X	1.684	1.684	0	%100
52	M57	Z	-2.917	-2.917	0	%100
53	M58	X	6.737	6.737	0	%100
54	M58	Z	-11.669	-11.669	0	%100
55	M59	X	6.737	6.737	0	%100
56	M59	Z	-11.669	-11.669	0	%100
57	M60	X	1.684	1.684	0	%100
58	M60	Z	-2.917	-2.917	0	%100
59	M61A	X	1.174	1.174	0	%100
60	M61A	Z	-2.034	-2.034	0	%100
61	M63A	X	1.174	1.174	0	%100
62	M63A	Z	-2.034	-2.034	0	%100
63	M72A	X	1.126	1.126	0	%100
64	M72A	Z	-1.95	-1.95	0	%100
65	M71A	X	1.126	1.126	0	%100
66	M71A	Z	-1.95	-1.95	0	%100
67	M72B	X	0	0	0	%100
68	M72B	Z	0	0	0	%100
69	M74A	X	4.305	4.305	0	%100
70	M74A	Z	-7.457	-7.457	0	%100
71	M69	X	1.174	1.174	0	%100
72	M69	Z	-2.034	-2.034	0	%100
73	M71	X	1.174	1.174	0	%100
74	M71	Z	-2.034	-2.034	0	%100
75	M75A	X	4.696	4.696	0	%100
76	M75A	Z	-8.135	-8.135	0	%100
77	M77A	X	4.696	4.696	0	%100
78	M77A	Z	-8.135	-8.135	0	%100
79	M79A	X	1.409	1.409	0	%100
80	M79A	Z	-2.44	-2.44	0	%100
81	M80B	X	5.636	5.636	0	%100
82	M80B	Z	-9.761	-9.761	0	%100
83	M81	X	4.288	4.288	0	%100
84	M81	Z	-7.427	-7.427	0	%100
85	M82	X	4.288	4.288	0	%100
86	M82	Z	-7.427	-7.427	0	%100
87	M83	X	4.288	4.288	0	%100
88	M83	Z	-7.427	-7.427	0	%100
89	M84	X	4.288	4.288	0	%100
90	M84	Z	-7.427	-7.427	0	%100
91	M85	X	0	0	0	%100
92	M85	Z	0	0	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	0	0	0	%100
95	M90	X	4.289	4.289	0	%100
96	M90	Z	-7.429	-7.429	0	%100
97	M96	X	4.289	4.289	0	%100
98	M96	Z	-7.429	-7.429	0	%100
99	M102	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
100	M102	Z	0	0	0	%100
101	M109	X	5.662	5.662	0	%100
102	M109	Z	-9.807	-9.807	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	5.662	5.662	0	%100
106	M111	Z	-9.807	-9.807	0	%100
107	M112	X	1.404	1.404	0	%100
108	M112	Z	-2.432	-2.432	0	%100
109	M113	X	7.616	7.616	0	%100
110	M113	Z	-13.191	-13.191	0	%100
111	M114	X	7.616	7.616	0	%100
112	M114	Z	-13.191	-13.191	0	%100
113	M115	X	1.404	1.404	0	%100
114	M115	Z	-2.432	-2.432	0	%100
115	M116	X	3.65	3.65	0	%100
116	M116	Z	-6.321	-6.321	0	%100
117	M117	X	3.65	3.65	0	%100
118	M117	Z	-6.321	-6.321	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	M40	X	7.551	7.551	0	%100
2	M40	Z	-4.36	-4.36	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	7.551	7.551	0	%100
6	M42	Z	-4.36	-4.36	0	%100
7	M43	X	7.321	7.321	0	%100
8	M43	Z	-4.227	-4.227	0	%100
9	M37A	X	2.476	2.476	0	%100
10	M37A	Z	-1.429	-1.429	0	%100
11	M38A	X	9.903	9.903	0	%100
12	M38A	Z	-5.718	-5.718	0	%100
13	M39A	X	2.476	2.476	0	%100
14	M39A	Z	-1.429	-1.429	0	%100
15	MP5A	X	8.182	8.182	0	%100
16	MP5A	Z	-4.724	-4.724	0	%100
17	MP4A	X	8.182	8.182	0	%100
18	MP4A	Z	-4.724	-4.724	0	%100
19	MP3A	X	8.182	8.182	0	%100
20	MP3A	Z	-4.724	-4.724	0	%100
21	MP2A	X	8.182	8.182	0	%100
22	MP2A	Z	-4.724	-4.724	0	%100
23	MP1A	X	8.182	8.182	0	%100
24	MP1A	Z	-4.724	-4.724	0	%100
25	MP5C	X	8.182	8.182	0	%100
26	MP5C	Z	-4.724	-4.724	0	%100
27	MP4C	X	8.182	8.182	0	%100
28	MP4C	Z	-4.724	-4.724	0	%100
29	MP3C	X	8.182	8.182	0	%100
30	MP3C	Z	-4.724	-4.724	0	%100
31	MP2C	X	8.182	8.182	0	%100
32	MP2C	Z	-4.724	-4.724	0	%100
33	MP1C	X	8.182	8.182	0	%100
34	MP1C	Z	-4.724	-4.724	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	MP5B	X	8.182	8.182	0	%100
36	MP5B	Z	-4.724	-4.724	0	%100
37	MP4B	X	8.182	8.182	0	%100
38	MP4B	Z	-4.724	-4.724	0	%100
39	MP3B	X	8.182	8.182	0	%100
40	MP3B	Z	-4.724	-4.724	0	%100
41	MP2B	X	8.182	8.182	0	%100
42	MP2B	Z	-4.724	-4.724	0	%100
43	MP1B	X	8.182	8.182	0	%100
44	MP1B	Z	-4.724	-4.724	0	%100
45	M61	X	7.551	7.551	0	%100
46	M61	Z	-4.36	-4.36	0	%100
47	M62	X	8.752	8.752	0	%100
48	M62	Z	-5.053	-5.053	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	0	0	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	8.752	8.752	0	%100
54	M58	Z	-5.053	-5.053	0	%100
55	M59	X	8.752	8.752	0	%100
56	M59	Z	-5.053	-5.053	0	%100
57	M60	X	8.752	8.752	0	%100
58	M60	Z	-5.053	-5.053	0	%100
59	M61A	X	6.101	6.101	0	%100
60	M61A	Z	-3.522	-3.522	0	%100
61	M63A	X	6.101	6.101	0	%100
62	M63A	Z	-3.522	-3.522	0	%100
63	M72A	X	.65	.65	0	%100
64	M72A	Z	-.375	-.375	0	%100
65	M71A	X	2.6	2.6	0	%100
66	M71A	Z	-1.501	-1.501	0	%100
67	M72B	X	.65	.65	0	%100
68	M72B	Z	-.375	-.375	0	%100
69	M74A	X	7.457	7.457	0	%100
70	M74A	Z	-4.305	-4.305	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	0	0	0	%100
73	M71	X	0	0	0	%100
74	M71	Z	0	0	0	%100
75	M75A	X	6.101	6.101	0	%100
76	M75A	Z	-3.522	-3.522	0	%100
77	M77A	X	6.101	6.101	0	%100
78	M77A	Z	-3.522	-3.522	0	%100
79	M79A	X	0	0	0	%100
80	M79A	Z	0	0	0	%100
81	M80B	X	7.321	7.321	0	%100
82	M80B	Z	-4.227	-4.227	0	%100
83	M81	X	2.476	2.476	0	%100
84	M81	Z	-1.429	-1.429	0	%100
85	M82	X	2.476	2.476	0	%100
86	M82	Z	-1.429	-1.429	0	%100
87	M83	X	9.903	9.903	0	%100
88	M83	Z	-5.718	-5.718	0	%100
89	M84	X	9.903	9.903	0	%100
90	M84	Z	-5.718	-5.718	0	%100
91	M85	X	2.476	2.476	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	M85	Z	-1.429	-1.429	0	%100
93	M86	X	2.476	2.476	0	%100
94	M86	Z	-1.429	-1.429	0	%100
95	M90	X	2.476	2.476	0	%100
96	M90	Z	-1.43	-1.43	0	%100
97	M96	X	9.905	9.905	0	%100
98	M96	Z	-5.719	-5.719	0	%100
99	M102	X	2.476	2.476	0	%100
100	M102	Z	-1.43	-1.43	0	%100
101	M109	X	13.076	13.076	0	%100
102	M109	Z	-7.549	-7.549	0	%100
103	M110	X	3.269	3.269	0	%100
104	M110	Z	-1.887	-1.887	0	%100
105	M111	X	3.269	3.269	0	%100
106	M111	Z	-1.887	-1.887	0	%100
107	M112	X	1.439	1.439	0	%100
108	M112	Z	-.831	-.831	0	%100
109	M113	X	12.198	12.198	0	%100
110	M113	Z	-7.042	-7.042	0	%100
111	M114	X	8.308	8.308	0	%100
112	M114	Z	-4.797	-4.797	0	%100
113	M115	X	8.308	8.308	0	%100
114	M115	Z	-4.797	-4.797	0	%100
115	M116	X	12.198	12.198	0	%100
116	M116	Z	-7.042	-7.042	0	%100
117	M117	X	1.439	1.439	0	%100
118	M117	Z	-.831	-.831	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	M40	X	11.626	11.626	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	2.907	2.907	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	2.907	2.907	0	%100
6	M42	Z	0	0	0	%100
7	M43	X	11.272	11.272	0	%100
8	M43	Z	0	0	0	%100
9	M37A	X	0	0	0	%100
10	M37A	Z	0	0	0	%100
11	M38A	X	8.576	8.576	0	%100
12	M38A	Z	0	0	0	%100
13	M39A	X	8.576	8.576	0	%100
14	M39A	Z	0	0	0	%100
15	MP5A	X	9.448	9.448	0	%100
16	MP5A	Z	0	0	0	%100
17	MP4A	X	9.448	9.448	0	%100
18	MP4A	Z	0	0	0	%100
19	MP3A	X	9.448	9.448	0	%100
20	MP3A	Z	0	0	0	%100
21	MP2A	X	9.448	9.448	0	%100
22	MP2A	Z	0	0	0	%100
23	MP1A	X	9.448	9.448	0	%100
24	MP1A	Z	0	0	0	%100
25	MP5C	X	9.448	9.448	0	%100
26	MP5C	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,%]
27	MP4C	X	9.448	9.448	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	9.448	9.448	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	9.448	9.448	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	9.448	9.448	0	%100
34	MP1C	Z	0	0	0	%100
35	MP5B	X	9.448	9.448	0	%100
36	MP5B	Z	0	0	0	%100
37	MP4B	X	9.448	9.448	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	9.448	9.448	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	9.448	9.448	0	%100
42	MP2B	Z	0	0	0	%100
43	MP1B	X	9.448	9.448	0	%100
44	MP1B	Z	0	0	0	%100
45	M61	X	2.907	2.907	0	%100
46	M61	Z	0	0	0	%100
47	M62	X	13.474	13.474	0	%100
48	M62	Z	0	0	0	%100
49	M63	X	3.368	3.368	0	%100
50	M63	Z	0	0	0	%100
51	M57	X	3.368	3.368	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	3.368	3.368	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	3.368	3.368	0	%100
56	M59	Z	0	0	0	%100
57	M60	X	13.474	13.474	0	%100
58	M60	Z	0	0	0	%100
59	M61A	X	9.393	9.393	0	%100
60	M61A	Z	0	0	0	%100
61	M63A	X	9.393	9.393	0	%100
62	M63A	Z	0	0	0	%100
63	M72A	X	0	0	0	%100
64	M72A	Z	0	0	0	%100
65	M71A	X	2.252	2.252	0	%100
66	M71A	Z	0	0	0	%100
67	M72B	X	2.252	2.252	0	%100
68	M72B	Z	0	0	0	%100
69	M74A	X	8.61	8.61	0	%100
70	M74A	Z	0	0	0	%100
71	M69	X	2.348	2.348	0	%100
72	M69	Z	0	0	0	%100
73	M71	X	2.348	2.348	0	%100
74	M71	Z	0	0	0	%100
75	M75A	X	2.348	2.348	0	%100
76	M75A	Z	0	0	0	%100
77	M77A	X	2.348	2.348	0	%100
78	M77A	Z	0	0	0	%100
79	M79A	X	2.818	2.818	0	%100
80	M79A	Z	0	0	0	%100
81	M80B	X	2.818	2.818	0	%100
82	M80B	Z	0	0	0	%100
83	M81	X	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,%]
84	M81	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	M83	X	8.576	8.576	0	%100
88	M83	Z	0	0	0	%100
89	M84	X	8.576	8.576	0	%100
90	M84	Z	0	0	0	%100
91	M85	X	8.576	8.576	0	%100
92	M85	Z	0	0	0	%100
93	M86	X	8.576	8.576	0	%100
94	M86	Z	0	0	0	%100
95	M90	X	0	0	0	%100
96	M90	Z	0	0	0	%100
97	M96	X	8.578	8.578	0	%100
98	M96	Z	0	0	0	%100
99	M102	X	8.578	8.578	0	%100
100	M102	Z	0	0	0	%100
101	M109	X	11.324	11.324	0	%100
102	M109	Z	0	0	0	%100
103	M110	X	11.324	11.324	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	0	0	0	%100
107	M112	X	7.299	7.299	0	%100
108	M112	Z	0	0	0	%100
109	M113	X	7.299	7.299	0	%100
110	M113	Z	0	0	0	%100
111	M114	X	2.808	2.808	0	%100
112	M114	Z	0	0	0	%100
113	M115	X	15.232	15.232	0	%100
114	M115	Z	0	0	0	%100
115	M116	X	15.232	15.232	0	%100
116	M116	Z	0	0	0	%100
117	M117	X	2.808	2.808	0	%100
118	M117	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	M40	X	7.551	7.551	0	%100
2	M40	Z	4.36	4.36	0	%100
3	M41	X	7.551	7.551	0	%100
4	M41	Z	4.36	4.36	0	%100
5	M42	X	0	0	0	%100
6	M42	Z	0	0	0	%100
7	M43	X	7.321	7.321	0	%100
8	M43	Z	4.227	4.227	0	%100
9	M37A	X	2.476	2.476	0	%100
10	M37A	Z	1.429	1.429	0	%100
11	M38A	X	2.476	2.476	0	%100
12	M38A	Z	1.429	1.429	0	%100
13	M39A	X	9.903	9.903	0	%100
14	M39A	Z	5.718	5.718	0	%100
15	MP5A	X	8.182	8.182	0	%100
16	MP5A	Z	4.724	4.724	0	%100
17	MP4A	X	8.182	8.182	0	%100
18	MP4A	Z	4.724	4.724	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,%]
19	MP3A	X	8.182	8.182	0	%100
20	MP3A	Z	4.724	4.724	0	%100
21	MP2A	X	8.182	8.182	0	%100
22	MP2A	Z	4.724	4.724	0	%100
23	MP1A	X	8.182	8.182	0	%100
24	MP1A	Z	4.724	4.724	0	%100
25	MP5C	X	8.182	8.182	0	%100
26	MP5C	Z	4.724	4.724	0	%100
27	MP4C	X	8.182	8.182	0	%100
28	MP4C	Z	4.724	4.724	0	%100
29	MP3C	X	8.182	8.182	0	%100
30	MP3C	Z	4.724	4.724	0	%100
31	MP2C	X	8.182	8.182	0	%100
32	MP2C	Z	4.724	4.724	0	%100
33	MP1C	X	8.182	8.182	0	%100
34	MP1C	Z	4.724	4.724	0	%100
35	MP5B	X	8.182	8.182	0	%100
36	MP5B	Z	4.724	4.724	0	%100
37	MP4B	X	8.182	8.182	0	%100
38	MP4B	Z	4.724	4.724	0	%100
39	MP3B	X	8.182	8.182	0	%100
40	MP3B	Z	4.724	4.724	0	%100
41	MP2B	X	8.182	8.182	0	%100
42	MP2B	Z	4.724	4.724	0	%100
43	MP1B	X	8.182	8.182	0	%100
44	MP1B	Z	4.724	4.724	0	%100
45	M61	X	0	0	0	%100
46	M61	Z	0	0	0	%100
47	M62	X	8.752	8.752	0	%100
48	M62	Z	5.053	5.053	0	%100
49	M63	X	8.752	8.752	0	%100
50	M63	Z	5.053	5.053	0	%100
51	M57	X	8.752	8.752	0	%100
52	M57	Z	5.053	5.053	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	0	0	0	%100
57	M60	X	8.752	8.752	0	%100
58	M60	Z	5.053	5.053	0	%100
59	M61A	X	6.101	6.101	0	%100
60	M61A	Z	3.522	3.522	0	%100
61	M63A	X	6.101	6.101	0	%100
62	M63A	Z	3.522	3.522	0	%100
63	M72A	X	.65	.65	0	%100
64	M72A	Z	.375	.375	0	%100
65	M71A	X	.65	.65	0	%100
66	M71A	Z	.375	.375	0	%100
67	M72B	X	2.6	2.6	0	%100
68	M72B	Z	1.501	1.501	0	%100
69	M74A	X	7.457	7.457	0	%100
70	M74A	Z	4.305	4.305	0	%100
71	M69	X	6.101	6.101	0	%100
72	M69	Z	3.522	3.522	0	%100
73	M71	X	6.101	6.101	0	%100
74	M71	Z	3.522	3.522	0	%100
75	M75A	X	0	0	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,%]
76	M75A	Z	0	0	0	%100
77	M77A	X	0	0	0	%100
78	M77A	Z	0	0	0	%100
79	M79A	X	7.321	7.321	0	%100
80	M79A	Z	4.227	4.227	0	%100
81	M80B	X	0	0	0	%100
82	M80B	Z	0	0	0	%100
83	M81	X	2.476	2.476	0	%100
84	M81	Z	1.429	1.429	0	%100
85	M82	X	2.476	2.476	0	%100
86	M82	Z	1.429	1.429	0	%100
87	M83	X	2.476	2.476	0	%100
88	M83	Z	1.429	1.429	0	%100
89	M84	X	2.476	2.476	0	%100
90	M84	Z	1.429	1.429	0	%100
91	M85	X	9.903	9.903	0	%100
92	M85	Z	5.718	5.718	0	%100
93	M86	X	9.903	9.903	0	%100
94	M86	Z	5.718	5.718	0	%100
95	M90	X	2.476	2.476	0	%100
96	M90	Z	1.43	1.43	0	%100
97	M96	X	2.476	2.476	0	%100
98	M96	Z	1.43	1.43	0	%100
99	M102	X	9.905	9.905	0	%100
100	M102	Z	5.719	5.719	0	%100
101	M109	X	3.269	3.269	0	%100
102	M109	Z	1.887	1.887	0	%100
103	M110	X	13.076	13.076	0	%100
104	M110	Z	7.549	7.549	0	%100
105	M111	X	3.269	3.269	0	%100
106	M111	Z	1.887	1.887	0	%100
107	M112	X	12.198	12.198	0	%100
108	M112	Z	7.042	7.042	0	%100
109	M113	X	1.439	1.439	0	%100
110	M113	Z	.831	.831	0	%100
111	M114	X	1.439	1.439	0	%100
112	M114	Z	.831	.831	0	%100
113	M115	X	12.198	12.198	0	%100
114	M115	Z	7.042	7.042	0	%100
115	M116	X	8.308	8.308	0	%100
116	M116	Z	4.797	4.797	0	%100
117	M117	X	8.308	8.308	0	%100
118	M117	Z	4.797	4.797	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	M40	X	1.453	1.453	0	%100
2	M40	Z	2.517	2.517	0	%100
3	M41	X	5.813	5.813	0	%100
4	M41	Z	10.068	10.068	0	%100
5	M42	X	1.453	1.453	0	%100
6	M42	Z	2.517	2.517	0	%100
7	M43	X	1.409	1.409	0	%100
8	M43	Z	2.44	2.44	0	%100
9	M37A	X	4.288	4.288	0	%100
10	M37A	Z	7.427	7.427	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,%]
11	M38A	X	0	0	0	%100
12	M38A	Z	0	0	0	%100
13	M39A	X	4.288	4.288	0	%100
14	M39A	Z	7.427	7.427	0	%100
15	MP5A	X	4.724	4.724	0	%100
16	MP5A	Z	8.182	8.182	0	%100
17	MP4A	X	4.724	4.724	0	%100
18	MP4A	Z	8.182	8.182	0	%100
19	MP3A	X	4.724	4.724	0	%100
20	MP3A	Z	8.182	8.182	0	%100
21	MP2A	X	4.724	4.724	0	%100
22	MP2A	Z	8.182	8.182	0	%100
23	MP1A	X	4.724	4.724	0	%100
24	MP1A	Z	8.182	8.182	0	%100
25	MP5C	X	4.724	4.724	0	%100
26	MP5C	Z	8.182	8.182	0	%100
27	MP4C	X	4.724	4.724	0	%100
28	MP4C	Z	8.182	8.182	0	%100
29	MP3C	X	4.724	4.724	0	%100
30	MP3C	Z	8.182	8.182	0	%100
31	MP2C	X	4.724	4.724	0	%100
32	MP2C	Z	8.182	8.182	0	%100
33	MP1C	X	4.724	4.724	0	%100
34	MP1C	Z	8.182	8.182	0	%100
35	MP5B	X	4.724	4.724	0	%100
36	MP5B	Z	8.182	8.182	0	%100
37	MP4B	X	4.724	4.724	0	%100
38	MP4B	Z	8.182	8.182	0	%100
39	MP3B	X	4.724	4.724	0	%100
40	MP3B	Z	8.182	8.182	0	%100
41	MP2B	X	4.724	4.724	0	%100
42	MP2B	Z	8.182	8.182	0	%100
43	MP1B	X	4.724	4.724	0	%100
44	MP1B	Z	8.182	8.182	0	%100
45	M61	X	1.453	1.453	0	%100
46	M61	Z	2.517	2.517	0	%100
47	M62	X	1.684	1.684	0	%100
48	M62	Z	2.917	2.917	0	%100
49	M63	X	6.737	6.737	0	%100
50	M63	Z	11.669	11.669	0	%100
51	M57	X	6.737	6.737	0	%100
52	M57	Z	11.669	11.669	0	%100
53	M58	X	1.684	1.684	0	%100
54	M58	Z	2.917	2.917	0	%100
55	M59	X	1.684	1.684	0	%100
56	M59	Z	2.917	2.917	0	%100
57	M60	X	1.684	1.684	0	%100
58	M60	Z	2.917	2.917	0	%100
59	M61A	X	1.174	1.174	0	%100
60	M61A	Z	2.034	2.034	0	%100
61	M63A	X	1.174	1.174	0	%100
62	M63A	Z	2.034	2.034	0	%100
63	M72A	X	1.126	1.126	0	%100
64	M72A	Z	1.95	1.95	0	%100
65	M71A	X	0	0	0	%100
66	M71A	Z	0	0	0	%100
67	M72B	X	1.126	1.126	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,%]
68	M72B	Z	1.95	1.95	0	%100
69	M74A	X	4.305	4.305	0	%100
70	M74A	Z	7.457	7.457	0	%100
71	M69	X	4.696	4.696	0	%100
72	M69	Z	8.135	8.135	0	%100
73	M71	X	4.696	4.696	0	%100
74	M71	Z	8.135	8.135	0	%100
75	M75A	X	1.174	1.174	0	%100
76	M75A	Z	2.034	2.034	0	%100
77	M77A	X	1.174	1.174	0	%100
78	M77A	Z	2.034	2.034	0	%100
79	M79A	X	5.636	5.636	0	%100
80	M79A	Z	9.761	9.761	0	%100
81	M80B	X	1.409	1.409	0	%100
82	M80B	Z	2.44	2.44	0	%100
83	M81	X	4.288	4.288	0	%100
84	M81	Z	7.427	7.427	0	%100
85	M82	X	4.288	4.288	0	%100
86	M82	Z	7.427	7.427	0	%100
87	M83	X	0	0	0	%100
88	M83	Z	0	0	0	%100
89	M84	X	0	0	0	%100
90	M84	Z	0	0	0	%100
91	M85	X	4.288	4.288	0	%100
92	M85	Z	7.427	7.427	0	%100
93	M86	X	4.288	4.288	0	%100
94	M86	Z	7.427	7.427	0	%100
95	M90	X	4.289	4.289	0	%100
96	M90	Z	7.429	7.429	0	%100
97	M96	X	0	0	0	%100
98	M96	Z	0	0	0	%100
99	M102	X	4.289	4.289	0	%100
100	M102	Z	7.429	7.429	0	%100
101	M109	X	0	0	0	%100
102	M109	Z	0	0	0	%100
103	M110	X	5.662	5.662	0	%100
104	M110	Z	9.807	9.807	0	%100
105	M111	X	5.662	5.662	0	%100
106	M111	Z	9.807	9.807	0	%100
107	M112	X	7.616	7.616	0	%100
108	M112	Z	13.191	13.191	0	%100
109	M113	X	1.404	1.404	0	%100
110	M113	Z	2.432	2.432	0	%100
111	M114	X	3.65	3.65	0	%100
112	M114	Z	6.321	6.321	0	%100
113	M115	X	3.65	3.65	0	%100
114	M115	Z	6.321	6.321	0	%100
115	M116	X	1.404	1.404	0	%100
116	M116	Z	2.432	2.432	0	%100
117	M117	X	7.616	7.616	0	%100
118	M117	Z	13.191	13.191	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	M40	X	0	0	0	%100
2	M40	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
3	M41	X	0	0	0	%100
4	M41	Z	8.72	8.72	0	%100
5	M42	X	0	0	0	%100
6	M42	Z	8.72	8.72	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M37A	X	0	0	0	%100
10	M37A	Z	11.435	11.435	0	%100
11	M38A	X	0	0	0	%100
12	M38A	Z	2.859	2.859	0	%100
13	M39A	X	0	0	0	%100
14	M39A	Z	2.859	2.859	0	%100
15	MP5A	X	0	0	0	%100
16	MP5A	Z	9.448	9.448	0	%100
17	MP4A	X	0	0	0	%100
18	MP4A	Z	9.448	9.448	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	9.448	9.448	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	9.448	9.448	0	%100
23	MP1A	X	0	0	0	%100
24	MP1A	Z	9.448	9.448	0	%100
25	MP5C	X	0	0	0	%100
26	MP5C	Z	9.448	9.448	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	9.448	9.448	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	9.448	9.448	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	9.448	9.448	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	9.448	9.448	0	%100
35	MP5B	X	0	0	0	%100
36	MP5B	Z	9.448	9.448	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	9.448	9.448	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	9.448	9.448	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	9.448	9.448	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	9.448	9.448	0	%100
45	M61	X	0	0	0	%100
46	M61	Z	8.72	8.72	0	%100
47	M62	X	0	0	0	%100
48	M62	Z	0	0	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	10.105	10.105	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	10.105	10.105	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	10.105	10.105	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	10.105	10.105	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
60	M61A	Z	0	0	0	%100
61	M63A	X	0	0	0	%100
62	M63A	Z	0	0	0	%100
63	M72A	X	0	0	0	%100
64	M72A	Z	3.002	3.002	0	%100
65	M71A	X	0	0	0	%100
66	M71A	Z	.751	.751	0	%100
67	M72B	X	0	0	0	%100
68	M72B	Z	.751	.751	0	%100
69	M74A	X	0	0	0	%100
70	M74A	Z	8.61	8.61	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	7.045	7.045	0	%100
73	M71	X	0	0	0	%100
74	M71	Z	7.045	7.045	0	%100
75	M75A	X	0	0	0	%100
76	M75A	Z	7.045	7.045	0	%100
77	M77A	X	0	0	0	%100
78	M77A	Z	7.045	7.045	0	%100
79	M79A	X	0	0	0	%100
80	M79A	Z	8.454	8.454	0	%100
81	M80B	X	0	0	0	%100
82	M80B	Z	8.454	8.454	0	%100
83	M81	X	0	0	0	%100
84	M81	Z	11.435	11.435	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	11.435	11.435	0	%100
87	M83	X	0	0	0	%100
88	M83	Z	2.859	2.859	0	%100
89	M84	X	0	0	0	%100
90	M84	Z	2.859	2.859	0	%100
91	M85	X	0	0	0	%100
92	M85	Z	2.859	2.859	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	2.859	2.859	0	%100
95	M90	X	0	0	0	%100
96	M90	Z	11.437	11.437	0	%100
97	M96	X	0	0	0	%100
98	M96	Z	2.859	2.859	0	%100
99	M102	X	0	0	0	%100
100	M102	Z	2.859	2.859	0	%100
101	M109	X	0	0	0	%100
102	M109	Z	3.775	3.775	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	3.775	3.775	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	15.099	15.099	0	%100
107	M112	X	0	0	0	%100
108	M112	Z	9.594	9.594	0	%100
109	M113	X	0	0	0	%100
110	M113	Z	9.594	9.594	0	%100
111	M114	X	0	0	0	%100
112	M114	Z	14.085	14.085	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	1.661	1.661	0	%100
115	M116	X	0	0	0	%100
116	M116	Z	1.661	1.661	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
117	M117	X	0	0	0	%100
118	M117	Z	14.085	14.085	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	M40	X	-1.453	-1.453	0	%100
2	M40	Z	2.517	2.517	0	%100
3	M41	X	-1.453	-1.453	0	%100
4	M41	Z	2.517	2.517	0	%100
5	M42	X	-5.813	-5.813	0	%100
6	M42	Z	10.068	10.068	0	%100
7	M43	X	-1.409	-1.409	0	%100
8	M43	Z	2.44	2.44	0	%100
9	M37A	X	-4.288	-4.288	0	%100
10	M37A	Z	7.427	7.427	0	%100
11	M38A	X	-4.288	-4.288	0	%100
12	M38A	Z	7.427	7.427	0	%100
13	M39A	X	0	0	0	%100
14	M39A	Z	0	0	0	%100
15	MP5A	X	-4.724	-4.724	0	%100
16	MP5A	Z	8.182	8.182	0	%100
17	MP4A	X	-4.724	-4.724	0	%100
18	MP4A	Z	8.182	8.182	0	%100
19	MP3A	X	-4.724	-4.724	0	%100
20	MP3A	Z	8.182	8.182	0	%100
21	MP2A	X	-4.724	-4.724	0	%100
22	MP2A	Z	8.182	8.182	0	%100
23	MP1A	X	-4.724	-4.724	0	%100
24	MP1A	Z	8.182	8.182	0	%100
25	MP5C	X	-4.724	-4.724	0	%100
26	MP5C	Z	8.182	8.182	0	%100
27	MP4C	X	-4.724	-4.724	0	%100
28	MP4C	Z	8.182	8.182	0	%100
29	MP3C	X	-4.724	-4.724	0	%100
30	MP3C	Z	8.182	8.182	0	%100
31	MP2C	X	-4.724	-4.724	0	%100
32	MP2C	Z	8.182	8.182	0	%100
33	MP1C	X	-4.724	-4.724	0	%100
34	MP1C	Z	8.182	8.182	0	%100
35	MP5B	X	-4.724	-4.724	0	%100
36	MP5B	Z	8.182	8.182	0	%100
37	MP4B	X	-4.724	-4.724	0	%100
38	MP4B	Z	8.182	8.182	0	%100
39	MP3B	X	-4.724	-4.724	0	%100
40	MP3B	Z	8.182	8.182	0	%100
41	MP2B	X	-4.724	-4.724	0	%100
42	MP2B	Z	8.182	8.182	0	%100
43	MP1B	X	-4.724	-4.724	0	%100
44	MP1B	Z	8.182	8.182	0	%100
45	M61	X	-5.813	-5.813	0	%100
46	M61	Z	10.068	10.068	0	%100
47	M62	X	-1.684	-1.684	0	%100
48	M62	Z	2.917	2.917	0	%100
49	M63	X	-1.684	-1.684	0	%100
50	M63	Z	2.917	2.917	0	%100
51	M57	X	-1.684	-1.684	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,%]
52	M57	Z	2.917	2.917	0	%100
53	M58	X	-6.737	-6.737	0	%100
54	M58	Z	11.669	11.669	0	%100
55	M59	X	-6.737	-6.737	0	%100
56	M59	Z	11.669	11.669	0	%100
57	M60	X	-1.684	-1.684	0	%100
58	M60	Z	2.917	2.917	0	%100
59	M61A	X	-1.174	-1.174	0	%100
60	M61A	Z	2.034	2.034	0	%100
61	M63A	X	-1.174	-1.174	0	%100
62	M63A	Z	2.034	2.034	0	%100
63	M72A	X	-1.126	-1.126	0	%100
64	M72A	Z	1.95	1.95	0	%100
65	M71A	X	-1.126	-1.126	0	%100
66	M71A	Z	1.95	1.95	0	%100
67	M72B	X	0	0	0	%100
68	M72B	Z	0	0	0	%100
69	M74A	X	-4.305	-4.305	0	%100
70	M74A	Z	7.457	7.457	0	%100
71	M69	X	-1.174	-1.174	0	%100
72	M69	Z	2.034	2.034	0	%100
73	M71	X	-1.174	-1.174	0	%100
74	M71	Z	2.034	2.034	0	%100
75	M75A	X	-4.696	-4.696	0	%100
76	M75A	Z	8.135	8.135	0	%100
77	M77A	X	-4.696	-4.696	0	%100
78	M77A	Z	8.135	8.135	0	%100
79	M79A	X	-1.409	-1.409	0	%100
80	M79A	Z	2.44	2.44	0	%100
81	M80B	X	-5.636	-5.636	0	%100
82	M80B	Z	9.761	9.761	0	%100
83	M81	X	-4.288	-4.288	0	%100
84	M81	Z	7.427	7.427	0	%100
85	M82	X	-4.288	-4.288	0	%100
86	M82	Z	7.427	7.427	0	%100
87	M83	X	-4.288	-4.288	0	%100
88	M83	Z	7.427	7.427	0	%100
89	M84	X	-4.288	-4.288	0	%100
90	M84	Z	7.427	7.427	0	%100
91	M85	X	0	0	0	%100
92	M85	Z	0	0	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	0	0	0	%100
95	M90	X	-4.289	-4.289	0	%100
96	M90	Z	7.429	7.429	0	%100
97	M96	X	-4.289	-4.289	0	%100
98	M96	Z	7.429	7.429	0	%100
99	M102	X	0	0	0	%100
100	M102	Z	0	0	0	%100
101	M109	X	-5.662	-5.662	0	%100
102	M109	Z	9.807	9.807	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	-5.662	-5.662	0	%100
106	M111	Z	9.807	9.807	0	%100
107	M112	X	-1.404	-1.404	0	%100
108	M112	Z	2.432	2.432	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,%]
109	M113	X	-7.616	-7.616	0	%100
110	M113	Z	13.191	13.191	0	%100
111	M114	X	-7.616	-7.616	0	%100
112	M114	Z	13.191	13.191	0	%100
113	M115	X	-1.404	-1.404	0	%100
114	M115	Z	2.432	2.432	0	%100
115	M116	X	-3.65	-3.65	0	%100
116	M116	Z	6.321	6.321	0	%100
117	M117	X	-3.65	-3.65	0	%100
118	M117	Z	6.321	6.321	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	M40	X	-7.551	-7.551	0	%100
2	M40	Z	4.36	4.36	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	-7.551	-7.551	0	%100
6	M42	Z	4.36	4.36	0	%100
7	M43	X	-7.321	-7.321	0	%100
8	M43	Z	4.227	4.227	0	%100
9	M37A	X	-2.476	-2.476	0	%100
10	M37A	Z	1.429	1.429	0	%100
11	M38A	X	-9.903	-9.903	0	%100
12	M38A	Z	5.718	5.718	0	%100
13	M39A	X	-2.476	-2.476	0	%100
14	M39A	Z	1.429	1.429	0	%100
15	MP5A	X	-8.182	-8.182	0	%100
16	MP5A	Z	4.724	4.724	0	%100
17	MP4A	X	-8.182	-8.182	0	%100
18	MP4A	Z	4.724	4.724	0	%100
19	MP3A	X	-8.182	-8.182	0	%100
20	MP3A	Z	4.724	4.724	0	%100
21	MP2A	X	-8.182	-8.182	0	%100
22	MP2A	Z	4.724	4.724	0	%100
23	MP1A	X	-8.182	-8.182	0	%100
24	MP1A	Z	4.724	4.724	0	%100
25	MP5C	X	-8.182	-8.182	0	%100
26	MP5C	Z	4.724	4.724	0	%100
27	MP4C	X	-8.182	-8.182	0	%100
28	MP4C	Z	4.724	4.724	0	%100
29	MP3C	X	-8.182	-8.182	0	%100
30	MP3C	Z	4.724	4.724	0	%100
31	MP2C	X	-8.182	-8.182	0	%100
32	MP2C	Z	4.724	4.724	0	%100
33	MP1C	X	-8.182	-8.182	0	%100
34	MP1C	Z	4.724	4.724	0	%100
35	MP5B	X	-8.182	-8.182	0	%100
36	MP5B	Z	4.724	4.724	0	%100
37	MP4B	X	-8.182	-8.182	0	%100
38	MP4B	Z	4.724	4.724	0	%100
39	MP3B	X	-8.182	-8.182	0	%100
40	MP3B	Z	4.724	4.724	0	%100
41	MP2B	X	-8.182	-8.182	0	%100
42	MP2B	Z	4.724	4.724	0	%100
43	MP1B	X	-8.182	-8.182	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,%]
44	MP1B	Z	4.724	4.724	0	%100
45	M61	X	-7.551	-7.551	0	%100
46	M61	Z	4.36	4.36	0	%100
47	M62	X	-8.752	-8.752	0	%100
48	M62	Z	5.053	5.053	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	0	0	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	-8.752	-8.752	0	%100
54	M58	Z	5.053	5.053	0	%100
55	M59	X	-8.752	-8.752	0	%100
56	M59	Z	5.053	5.053	0	%100
57	M60	X	-8.752	-8.752	0	%100
58	M60	Z	5.053	5.053	0	%100
59	M61A	X	-6.101	-6.101	0	%100
60	M61A	Z	3.522	3.522	0	%100
61	M63A	X	-6.101	-6.101	0	%100
62	M63A	Z	3.522	3.522	0	%100
63	M72A	X	-.65	-.65	0	%100
64	M72A	Z	.375	.375	0	%100
65	M71A	X	-2.6	-2.6	0	%100
66	M71A	Z	1.501	1.501	0	%100
67	M72B	X	-.65	-.65	0	%100
68	M72B	Z	.375	.375	0	%100
69	M74A	X	-7.457	-7.457	0	%100
70	M74A	Z	4.305	4.305	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	0	0	0	%100
73	M71	X	0	0	0	%100
74	M71	Z	0	0	0	%100
75	M75A	X	-6.101	-6.101	0	%100
76	M75A	Z	3.522	3.522	0	%100
77	M77A	X	-6.101	-6.101	0	%100
78	M77A	Z	3.522	3.522	0	%100
79	M79A	X	0	0	0	%100
80	M79A	Z	0	0	0	%100
81	M80B	X	-7.321	-7.321	0	%100
82	M80B	Z	4.227	4.227	0	%100
83	M81	X	-2.476	-2.476	0	%100
84	M81	Z	1.429	1.429	0	%100
85	M82	X	-2.476	-2.476	0	%100
86	M82	Z	1.429	1.429	0	%100
87	M83	X	-9.903	-9.903	0	%100
88	M83	Z	5.718	5.718	0	%100
89	M84	X	-9.903	-9.903	0	%100
90	M84	Z	5.718	5.718	0	%100
91	M85	X	-2.476	-2.476	0	%100
92	M85	Z	1.429	1.429	0	%100
93	M86	X	-2.476	-2.476	0	%100
94	M86	Z	1.429	1.429	0	%100
95	M90	X	-2.476	-2.476	0	%100
96	M90	Z	1.43	1.43	0	%100
97	M96	X	-9.905	-9.905	0	%100
98	M96	Z	5.719	5.719	0	%100
99	M102	X	-2.476	-2.476	0	%100
100	M102	Z	1.43	1.43	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,%]
101	M109	X	-13.076	-13.076	0	%100
102	M109	Z	7.549	7.549	0	%100
103	M110	X	-3.269	-3.269	0	%100
104	M110	Z	1.887	1.887	0	%100
105	M111	X	-3.269	-3.269	0	%100
106	M111	Z	1.887	1.887	0	%100
107	M112	X	-1.439	-1.439	0	%100
108	M112	Z	.831	.831	0	%100
109	M113	X	-12.198	-12.198	0	%100
110	M113	Z	7.042	7.042	0	%100
111	M114	X	-8.308	-8.308	0	%100
112	M114	Z	4.797	4.797	0	%100
113	M115	X	-8.308	-8.308	0	%100
114	M115	Z	4.797	4.797	0	%100
115	M116	X	-12.198	-12.198	0	%100
116	M116	Z	7.042	7.042	0	%100
117	M117	X	-1.439	-1.439	0	%100
118	M117	Z	.831	.831	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	M40	X	-11.626	-11.626	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	-2.907	-2.907	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	-2.907	-2.907	0	%100
6	M42	Z	0	0	0	%100
7	M43	X	-11.272	-11.272	0	%100
8	M43	Z	0	0	0	%100
9	M37A	X	0	0	0	%100
10	M37A	Z	0	0	0	%100
11	M38A	X	-8.576	-8.576	0	%100
12	M38A	Z	0	0	0	%100
13	M39A	X	-8.576	-8.576	0	%100
14	M39A	Z	0	0	0	%100
15	MP5A	X	-9.448	-9.448	0	%100
16	MP5A	Z	0	0	0	%100
17	MP4A	X	-9.448	-9.448	0	%100
18	MP4A	Z	0	0	0	%100
19	MP3A	X	-9.448	-9.448	0	%100
20	MP3A	Z	0	0	0	%100
21	MP2A	X	-9.448	-9.448	0	%100
22	MP2A	Z	0	0	0	%100
23	MP1A	X	-9.448	-9.448	0	%100
24	MP1A	Z	0	0	0	%100
25	MP5C	X	-9.448	-9.448	0	%100
26	MP5C	Z	0	0	0	%100
27	MP4C	X	-9.448	-9.448	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	-9.448	-9.448	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	-9.448	-9.448	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-9.448	-9.448	0	%100
34	MP1C	Z	0	0	0	%100
35	MP5B	X	-9.448	-9.448	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,%]
36	MP5B	Z	0	0	0	%100
37	MP4B	X	-9.448	-9.448	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	-9.448	-9.448	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	-9.448	-9.448	0	%100
42	MP2B	Z	0	0	0	%100
43	MP1B	X	-9.448	-9.448	0	%100
44	MP1B	Z	0	0	0	%100
45	M61	X	-2.907	-2.907	0	%100
46	M61	Z	0	0	0	%100
47	M62	X	-13.474	-13.474	0	%100
48	M62	Z	0	0	0	%100
49	M63	X	-3.368	-3.368	0	%100
50	M63	Z	0	0	0	%100
51	M57	X	-3.368	-3.368	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	-3.368	-3.368	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	-3.368	-3.368	0	%100
56	M59	Z	0	0	0	%100
57	M60	X	-13.474	-13.474	0	%100
58	M60	Z	0	0	0	%100
59	M61A	X	-9.393	-9.393	0	%100
60	M61A	Z	0	0	0	%100
61	M63A	X	-9.393	-9.393	0	%100
62	M63A	Z	0	0	0	%100
63	M72A	X	0	0	0	%100
64	M72A	Z	0	0	0	%100
65	M71A	X	-2.252	-2.252	0	%100
66	M71A	Z	0	0	0	%100
67	M72B	X	-2.252	-2.252	0	%100
68	M72B	Z	0	0	0	%100
69	M74A	X	-8.61	-8.61	0	%100
70	M74A	Z	0	0	0	%100
71	M69	X	-2.348	-2.348	0	%100
72	M69	Z	0	0	0	%100
73	M71	X	-2.348	-2.348	0	%100
74	M71	Z	0	0	0	%100
75	M75A	X	-2.348	-2.348	0	%100
76	M75A	Z	0	0	0	%100
77	M77A	X	-2.348	-2.348	0	%100
78	M77A	Z	0	0	0	%100
79	M79A	X	-2.818	-2.818	0	%100
80	M79A	Z	0	0	0	%100
81	M80B	X	-2.818	-2.818	0	%100
82	M80B	Z	0	0	0	%100
83	M81	X	0	0	0	%100
84	M81	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	M83	X	-8.576	-8.576	0	%100
88	M83	Z	0	0	0	%100
89	M84	X	-8.576	-8.576	0	%100
90	M84	Z	0	0	0	%100
91	M85	X	-8.576	-8.576	0	%100
92	M85	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,%]
93	M86	X	-8.576	-8.576	0	%100
94	M86	Z	0	0	0	%100
95	M90	X	0	0	0	%100
96	M90	Z	0	0	0	%100
97	M96	X	-8.578	-8.578	0	%100
98	M96	Z	0	0	0	%100
99	M102	X	-8.578	-8.578	0	%100
100	M102	Z	0	0	0	%100
101	M109	X	-11.324	-11.324	0	%100
102	M109	Z	0	0	0	%100
103	M110	X	-11.324	-11.324	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	0	0	0	%100
107	M112	X	-7.299	-7.299	0	%100
108	M112	Z	0	0	0	%100
109	M113	X	-7.299	-7.299	0	%100
110	M113	Z	0	0	0	%100
111	M114	X	-2.808	-2.808	0	%100
112	M114	Z	0	0	0	%100
113	M115	X	-15.232	-15.232	0	%100
114	M115	Z	0	0	0	%100
115	M116	X	-15.232	-15.232	0	%100
116	M116	Z	0	0	0	%100
117	M117	X	-2.808	-2.808	0	%100
118	M117	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	M40	X	-7.551	-7.551	0	%100
2	M40	Z	-4.36	-4.36	0	%100
3	M41	X	-7.551	-7.551	0	%100
4	M41	Z	-4.36	-4.36	0	%100
5	M42	X	0	0	0	%100
6	M42	Z	0	0	0	%100
7	M43	X	-7.321	-7.321	0	%100
8	M43	Z	-4.227	-4.227	0	%100
9	M37A	X	-2.476	-2.476	0	%100
10	M37A	Z	-1.429	-1.429	0	%100
11	M38A	X	-2.476	-2.476	0	%100
12	M38A	Z	-1.429	-1.429	0	%100
13	M39A	X	-9.903	-9.903	0	%100
14	M39A	Z	-5.718	-5.718	0	%100
15	MP5A	X	-8.182	-8.182	0	%100
16	MP5A	Z	-4.724	-4.724	0	%100
17	MP4A	X	-8.182	-8.182	0	%100
18	MP4A	Z	-4.724	-4.724	0	%100
19	MP3A	X	-8.182	-8.182	0	%100
20	MP3A	Z	-4.724	-4.724	0	%100
21	MP2A	X	-8.182	-8.182	0	%100
22	MP2A	Z	-4.724	-4.724	0	%100
23	MP1A	X	-8.182	-8.182	0	%100
24	MP1A	Z	-4.724	-4.724	0	%100
25	MP5C	X	-8.182	-8.182	0	%100
26	MP5C	Z	-4.724	-4.724	0	%100
27	MP4C	X	-8.182	-8.182	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,%]
28	MP4C	Z	-4.724	-4.724	0	%100
29	MP3C	X	-8.182	-8.182	0	%100
30	MP3C	Z	-4.724	-4.724	0	%100
31	MP2C	X	-8.182	-8.182	0	%100
32	MP2C	Z	-4.724	-4.724	0	%100
33	MP1C	X	-8.182	-8.182	0	%100
34	MP1C	Z	-4.724	-4.724	0	%100
35	MP5B	X	-8.182	-8.182	0	%100
36	MP5B	Z	-4.724	-4.724	0	%100
37	MP4B	X	-8.182	-8.182	0	%100
38	MP4B	Z	-4.724	-4.724	0	%100
39	MP3B	X	-8.182	-8.182	0	%100
40	MP3B	Z	-4.724	-4.724	0	%100
41	MP2B	X	-8.182	-8.182	0	%100
42	MP2B	Z	-4.724	-4.724	0	%100
43	MP1B	X	-8.182	-8.182	0	%100
44	MP1B	Z	-4.724	-4.724	0	%100
45	M61	X	0	0	0	%100
46	M61	Z	0	0	0	%100
47	M62	X	-8.752	-8.752	0	%100
48	M62	Z	-5.053	-5.053	0	%100
49	M63	X	-8.752	-8.752	0	%100
50	M63	Z	-5.053	-5.053	0	%100
51	M57	X	-8.752	-8.752	0	%100
52	M57	Z	-5.053	-5.053	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	0	0	0	%100
57	M60	X	-8.752	-8.752	0	%100
58	M60	Z	-5.053	-5.053	0	%100
59	M61A	X	-6.101	-6.101	0	%100
60	M61A	Z	-3.522	-3.522	0	%100
61	M63A	X	-6.101	-6.101	0	%100
62	M63A	Z	-3.522	-3.522	0	%100
63	M72A	X	-.65	-.65	0	%100
64	M72A	Z	-.375	-.375	0	%100
65	M71A	X	-.65	-.65	0	%100
66	M71A	Z	-.375	-.375	0	%100
67	M72B	X	-2.6	-2.6	0	%100
68	M72B	Z	-1.501	-1.501	0	%100
69	M74A	X	-7.457	-7.457	0	%100
70	M74A	Z	-4.305	-4.305	0	%100
71	M69	X	-6.101	-6.101	0	%100
72	M69	Z	-3.522	-3.522	0	%100
73	M71	X	-6.101	-6.101	0	%100
74	M71	Z	-3.522	-3.522	0	%100
75	M75A	X	0	0	0	%100
76	M75A	Z	0	0	0	%100
77	M77A	X	0	0	0	%100
78	M77A	Z	0	0	0	%100
79	M79A	X	-7.321	-7.321	0	%100
80	M79A	Z	-4.227	-4.227	0	%100
81	M80B	X	0	0	0	%100
82	M80B	Z	0	0	0	%100
83	M81	X	-2.476	-2.476	0	%100
84	M81	Z	-1.429	-1.429	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,%]
85	M82	X	-2.476	-2.476	0	%100
86	M82	Z	-1.429	-1.429	0	%100
87	M83	X	-2.476	-2.476	0	%100
88	M83	Z	-1.429	-1.429	0	%100
89	M84	X	-2.476	-2.476	0	%100
90	M84	Z	-1.429	-1.429	0	%100
91	M85	X	-9.903	-9.903	0	%100
92	M85	Z	-5.718	-5.718	0	%100
93	M86	X	-9.903	-9.903	0	%100
94	M86	Z	-5.718	-5.718	0	%100
95	M90	X	-2.476	-2.476	0	%100
96	M90	Z	-1.43	-1.43	0	%100
97	M96	X	-2.476	-2.476	0	%100
98	M96	Z	-1.43	-1.43	0	%100
99	M102	X	-9.905	-9.905	0	%100
100	M102	Z	-5.719	-5.719	0	%100
101	M109	X	-3.269	-3.269	0	%100
102	M109	Z	-1.887	-1.887	0	%100
103	M110	X	-13.076	-13.076	0	%100
104	M110	Z	-7.549	-7.549	0	%100
105	M111	X	-3.269	-3.269	0	%100
106	M111	Z	-1.887	-1.887	0	%100
107	M112	X	-12.198	-12.198	0	%100
108	M112	Z	-7.042	-7.042	0	%100
109	M113	X	-1.439	-1.439	0	%100
110	M113	Z	-.831	-.831	0	%100
111	M114	X	-1.439	-1.439	0	%100
112	M114	Z	-.831	-.831	0	%100
113	M115	X	-12.198	-12.198	0	%100
114	M115	Z	-7.042	-7.042	0	%100
115	M116	X	-8.308	-8.308	0	%100
116	M116	Z	-4.797	-4.797	0	%100
117	M117	X	-8.308	-8.308	0	%100
118	M117	Z	-4.797	-4.797	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	M40	X	-1.453	-1.453	0	%100
2	M40	Z	-2.517	-2.517	0	%100
3	M41	X	-5.813	-5.813	0	%100
4	M41	Z	-10.068	-10.068	0	%100
5	M42	X	-1.453	-1.453	0	%100
6	M42	Z	-2.517	-2.517	0	%100
7	M43	X	-1.409	-1.409	0	%100
8	M43	Z	-2.44	-2.44	0	%100
9	M37A	X	-4.288	-4.288	0	%100
10	M37A	Z	-7.427	-7.427	0	%100
11	M38A	X	0	0	0	%100
12	M38A	Z	0	0	0	%100
13	M39A	X	-4.288	-4.288	0	%100
14	M39A	Z	-7.427	-7.427	0	%100
15	MP5A	X	-4.724	-4.724	0	%100
16	MP5A	Z	-8.182	-8.182	0	%100
17	MP4A	X	-4.724	-4.724	0	%100
18	MP4A	Z	-8.182	-8.182	0	%100
19	MP3A	X	-4.724	-4.724	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,%]
20	MP3A	Z	-8.182	-8.182	0	%100
21	MP2A	X	-4.724	-4.724	0	%100
22	MP2A	Z	-8.182	-8.182	0	%100
23	MP1A	X	-4.724	-4.724	0	%100
24	MP1A	Z	-8.182	-8.182	0	%100
25	MP5C	X	-4.724	-4.724	0	%100
26	MP5C	Z	-8.182	-8.182	0	%100
27	MP4C	X	-4.724	-4.724	0	%100
28	MP4C	Z	-8.182	-8.182	0	%100
29	MP3C	X	-4.724	-4.724	0	%100
30	MP3C	Z	-8.182	-8.182	0	%100
31	MP2C	X	-4.724	-4.724	0	%100
32	MP2C	Z	-8.182	-8.182	0	%100
33	MP1C	X	-4.724	-4.724	0	%100
34	MP1C	Z	-8.182	-8.182	0	%100
35	MP5B	X	-4.724	-4.724	0	%100
36	MP5B	Z	-8.182	-8.182	0	%100
37	MP4B	X	-4.724	-4.724	0	%100
38	MP4B	Z	-8.182	-8.182	0	%100
39	MP3B	X	-4.724	-4.724	0	%100
40	MP3B	Z	-8.182	-8.182	0	%100
41	MP2B	X	-4.724	-4.724	0	%100
42	MP2B	Z	-8.182	-8.182	0	%100
43	MP1B	X	-4.724	-4.724	0	%100
44	MP1B	Z	-8.182	-8.182	0	%100
45	M61	X	-1.453	-1.453	0	%100
46	M61	Z	-2.517	-2.517	0	%100
47	M62	X	-1.684	-1.684	0	%100
48	M62	Z	-2.917	-2.917	0	%100
49	M63	X	-6.737	-6.737	0	%100
50	M63	Z	-11.669	-11.669	0	%100
51	M57	X	-6.737	-6.737	0	%100
52	M57	Z	-11.669	-11.669	0	%100
53	M58	X	-1.684	-1.684	0	%100
54	M58	Z	-2.917	-2.917	0	%100
55	M59	X	-1.684	-1.684	0	%100
56	M59	Z	-2.917	-2.917	0	%100
57	M60	X	-1.684	-1.684	0	%100
58	M60	Z	-2.917	-2.917	0	%100
59	M61A	X	-1.174	-1.174	0	%100
60	M61A	Z	-2.034	-2.034	0	%100
61	M63A	X	-1.174	-1.174	0	%100
62	M63A	Z	-2.034	-2.034	0	%100
63	M72A	X	-1.126	-1.126	0	%100
64	M72A	Z	-1.95	-1.95	0	%100
65	M71A	X	0	0	0	%100
66	M71A	Z	0	0	0	%100
67	M72B	X	-1.126	-1.126	0	%100
68	M72B	Z	-1.95	-1.95	0	%100
69	M74A	X	-4.305	-4.305	0	%100
70	M74A	Z	-7.457	-7.457	0	%100
71	M69	X	-4.696	-4.696	0	%100
72	M69	Z	-8.135	-8.135	0	%100
73	M71	X	-4.696	-4.696	0	%100
74	M71	Z	-8.135	-8.135	0	%100
75	M75A	X	-1.174	-1.174	0	%100
76	M75A	Z	-2.034	-2.034	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,%]
77	M77A	X	-1.174	-1.174	0	%100
78	M77A	Z	-2.034	-2.034	0	%100
79	M79A	X	-5.636	-5.636	0	%100
80	M79A	Z	-9.761	-9.761	0	%100
81	M80B	X	-1.409	-1.409	0	%100
82	M80B	Z	-2.44	-2.44	0	%100
83	M81	X	-4.288	-4.288	0	%100
84	M81	Z	-7.427	-7.427	0	%100
85	M82	X	-4.288	-4.288	0	%100
86	M82	Z	-7.427	-7.427	0	%100
87	M83	X	0	0	0	%100
88	M83	Z	0	0	0	%100
89	M84	X	0	0	0	%100
90	M84	Z	0	0	0	%100
91	M85	X	-4.288	-4.288	0	%100
92	M85	Z	-7.427	-7.427	0	%100
93	M86	X	-4.288	-4.288	0	%100
94	M86	Z	-7.427	-7.427	0	%100
95	M90	X	-4.289	-4.289	0	%100
96	M90	Z	-7.429	-7.429	0	%100
97	M96	X	0	0	0	%100
98	M96	Z	0	0	0	%100
99	M102	X	-4.289	-4.289	0	%100
100	M102	Z	-7.429	-7.429	0	%100
101	M109	X	0	0	0	%100
102	M109	Z	0	0	0	%100
103	M110	X	-5.662	-5.662	0	%100
104	M110	Z	-9.807	-9.807	0	%100
105	M111	X	-5.662	-5.662	0	%100
106	M111	Z	-9.807	-9.807	0	%100
107	M112	X	-7.616	-7.616	0	%100
108	M112	Z	-13.191	-13.191	0	%100
109	M113	X	-1.404	-1.404	0	%100
110	M113	Z	-2.432	-2.432	0	%100
111	M114	X	-3.65	-3.65	0	%100
112	M114	Z	-6.321	-6.321	0	%100
113	M115	X	-3.65	-3.65	0	%100
114	M115	Z	-6.321	-6.321	0	%100
115	M116	X	-1.404	-1.404	0	%100
116	M116	Z	-2.432	-2.432	0	%100
117	M117	X	-7.616	-7.616	0	%100
118	M117	Z	-13.191	-13.191	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	M40	X	0	0	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	-2.858	-2.858	0	%100
5	M42	X	0	0	0	%100
6	M42	Z	-2.858	-2.858	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M37A	X	0	0	0	%100
10	M37A	Z	-3.743	-3.743	0	%100
11	M38A	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,%]
12	M38A	Z	-.936	-.936	0	%100
13	M39A	X	0	0	0	%100
14	M39A	Z	-.936	-.936	0	%100
15	MP5A	X	0	0	0	%100
16	MP5A	Z	-3.413	-3.413	0	%100
17	MP4A	X	0	0	0	%100
18	MP4A	Z	-3.413	-3.413	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	-3.413	-3.413	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-3.413	-3.413	0	%100
23	MP1A	X	0	0	0	%100
24	MP1A	Z	-3.413	-3.413	0	%100
25	MP5C	X	0	0	0	%100
26	MP5C	Z	-3.413	-3.413	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	-3.413	-3.413	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	-3.413	-3.413	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-3.413	-3.413	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	-3.413	-3.413	0	%100
35	MP5B	X	0	0	0	%100
36	MP5B	Z	-3.413	-3.413	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	-3.413	-3.413	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	-3.413	-3.413	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	-3.413	-3.413	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	-3.413	-3.413	0	%100
45	M61	X	0	0	0	%100
46	M61	Z	-2.858	-2.858	0	%100
47	M62	X	0	0	0	%100
48	M62	Z	0	0	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	-2.873	-2.873	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	-2.873	-2.873	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	-2.873	-2.873	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	-2.873	-2.873	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61A	X	0	0	0	%100
60	M61A	Z	0	0	0	%100
61	M63A	X	0	0	0	%100
62	M63A	Z	0	0	0	%100
63	M72A	X	0	0	0	%100
64	M72A	Z	-1.67	-1.67	0	%100
65	M71A	X	0	0	0	%100
66	M71A	Z	-.417	-.417	0	%100
67	M72B	X	0	0	0	%100
68	M72B	Z	-.417	-.417	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,%]
69	M74A	X	0	0	0	%100
70	M74A	Z	-3.124	-3.124	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	-2.117	-2.117	0	%100
73	M71	X	0	0	0	%100
74	M71	Z	-2.117	-2.117	0	%100
75	M75A	X	0	0	0	%100
76	M75A	Z	-2.117	-2.117	0	%100
77	M77A	X	0	0	0	%100
78	M77A	Z	-2.117	-2.117	0	%100
79	M79A	X	0	0	0	%100
80	M79A	Z	-2.799	-2.799	0	%100
81	M80B	X	0	0	0	%100
82	M80B	Z	-2.799	-2.799	0	%100
83	M81	X	0	0	0	%100
84	M81	Z	-3.743	-3.743	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	-3.743	-3.743	0	%100
87	M83	X	0	0	0	%100
88	M83	Z	-.936	-.936	0	%100
89	M84	X	0	0	0	%100
90	M84	Z	-.936	-.936	0	%100
91	M85	X	0	0	0	%100
92	M85	Z	-.936	-.936	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	-.936	-.936	0	%100
95	M90	X	0	0	0	%100
96	M90	Z	-3.776	-3.776	0	%100
97	M96	X	0	0	0	%100
98	M96	Z	-.944	-.944	0	%100
99	M102	X	0	0	0	%100
100	M102	Z	-.944	-.944	0	%100
101	M109	X	0	0	0	%100
102	M109	Z	-1.022	-1.022	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	-1.022	-1.022	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	-4.089	-4.089	0	%100
107	M112	X	0	0	0	%100
108	M112	Z	-2.755	-2.755	0	%100
109	M113	X	0	0	0	%100
110	M113	Z	-2.755	-2.755	0	%100
111	M114	X	0	0	0	%100
112	M114	Z	-4.044	-4.044	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	-.477	-.477	0	%100
115	M116	X	0	0	0	%100
116	M116	Z	-.477	-.477	0	%100
117	M117	X	0	0	0	%100
118	M117	Z	-4.044	-4.044	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	M40	X	.476	.476	0	%100
2	M40	Z	-.825	-.825	0	%100
3	M41	X	.476	.476	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,%]
4	M41	Z	-.825	-.825	0	%100
5	M42	X	1.905	1.905	0	%100
6	M42	Z	-3.3	-3.3	0	%100
7	M43	X	.466	.466	0	%100
8	M43	Z	-.808	-.808	0	%100
9	M37A	X	1.404	1.404	0	%100
10	M37A	Z	-2.431	-2.431	0	%100
11	M38A	X	1.404	1.404	0	%100
12	M38A	Z	-2.431	-2.431	0	%100
13	M39A	X	0	0	0	%100
14	M39A	Z	0	0	0	%100
15	MP5A	X	1.706	1.706	0	%100
16	MP5A	Z	-2.955	-2.955	0	%100
17	MP4A	X	1.706	1.706	0	%100
18	MP4A	Z	-2.955	-2.955	0	%100
19	MP3A	X	1.706	1.706	0	%100
20	MP3A	Z	-2.955	-2.955	0	%100
21	MP2A	X	1.706	1.706	0	%100
22	MP2A	Z	-2.955	-2.955	0	%100
23	MP1A	X	1.706	1.706	0	%100
24	MP1A	Z	-2.955	-2.955	0	%100
25	MP5C	X	1.706	1.706	0	%100
26	MP5C	Z	-2.955	-2.955	0	%100
27	MP4C	X	1.706	1.706	0	%100
28	MP4C	Z	-2.955	-2.955	0	%100
29	MP3C	X	1.706	1.706	0	%100
30	MP3C	Z	-2.955	-2.955	0	%100
31	MP2C	X	1.706	1.706	0	%100
32	MP2C	Z	-2.955	-2.955	0	%100
33	MP1C	X	1.706	1.706	0	%100
34	MP1C	Z	-2.955	-2.955	0	%100
35	MP5B	X	1.706	1.706	0	%100
36	MP5B	Z	-2.955	-2.955	0	%100
37	MP4B	X	1.706	1.706	0	%100
38	MP4B	Z	-2.955	-2.955	0	%100
39	MP3B	X	1.706	1.706	0	%100
40	MP3B	Z	-2.955	-2.955	0	%100
41	MP2B	X	1.706	1.706	0	%100
42	MP2B	Z	-2.955	-2.955	0	%100
43	MP1B	X	1.706	1.706	0	%100
44	MP1B	Z	-2.955	-2.955	0	%100
45	M61	X	1.905	1.905	0	%100
46	M61	Z	-3.3	-3.3	0	%100
47	M62	X	.479	.479	0	%100
48	M62	Z	-.829	-.829	0	%100
49	M63	X	.479	.479	0	%100
50	M63	Z	-.829	-.829	0	%100
51	M57	X	.479	.479	0	%100
52	M57	Z	-.829	-.829	0	%100
53	M58	X	1.915	1.915	0	%100
54	M58	Z	-3.317	-3.317	0	%100
55	M59	X	1.915	1.915	0	%100
56	M59	Z	-3.317	-3.317	0	%100
57	M60	X	.479	.479	0	%100
58	M60	Z	-.829	-.829	0	%100
59	M61A	X	.353	.353	0	%100
60	M61A	Z	-.611	-.611	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,%]
61	M63A	X	.353	.353	0	%100
62	M63A	Z	-.611	-.611	0	%100
63	M72A	X	.626	.626	0	%100
64	M72A	Z	-1.084	-1.084	0	%100
65	M71A	X	.626	.626	0	%100
66	M71A	Z	-1.084	-1.084	0	%100
67	M72B	X	0	0	0	%100
68	M72B	Z	0	0	0	%100
69	M74A	X	1.562	1.562	0	%100
70	M74A	Z	-2.706	-2.706	0	%100
71	M69	X	.353	.353	0	%100
72	M69	Z	-.611	-.611	0	%100
73	M71	X	.353	.353	0	%100
74	M71	Z	-.611	-.611	0	%100
75	M75A	X	1.412	1.412	0	%100
76	M75A	Z	-2.445	-2.445	0	%100
77	M77A	X	1.412	1.412	0	%100
78	M77A	Z	-2.445	-2.445	0	%100
79	M79A	X	.466	.466	0	%100
80	M79A	Z	-.808	-.808	0	%100
81	M80B	X	1.866	1.866	0	%100
82	M80B	Z	-3.232	-3.232	0	%100
83	M81	X	1.404	1.404	0	%100
84	M81	Z	-2.431	-2.431	0	%100
85	M82	X	1.404	1.404	0	%100
86	M82	Z	-2.431	-2.431	0	%100
87	M83	X	1.404	1.404	0	%100
88	M83	Z	-2.431	-2.431	0	%100
89	M84	X	1.404	1.404	0	%100
90	M84	Z	-2.431	-2.431	0	%100
91	M85	X	0	0	0	%100
92	M85	Z	0	0	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	0	0	0	%100
95	M90	X	1.416	1.416	0	%100
96	M90	Z	-2.453	-2.453	0	%100
97	M96	X	1.416	1.416	0	%100
98	M96	Z	-2.453	-2.453	0	%100
99	M102	X	0	0	0	%100
100	M102	Z	0	0	0	%100
101	M109	X	1.533	1.533	0	%100
102	M109	Z	-2.656	-2.656	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	1.533	1.533	0	%100
106	M111	Z	-2.656	-2.656	0	%100
107	M112	X	.403	.403	0	%100
108	M112	Z	-.698	-.698	0	%100
109	M113	X	2.187	2.187	0	%100
110	M113	Z	-3.787	-3.787	0	%100
111	M114	X	2.187	2.187	0	%100
112	M114	Z	-3.787	-3.787	0	%100
113	M115	X	.403	.403	0	%100
114	M115	Z	-.698	-.698	0	%100
115	M116	X	1.048	1.048	0	%100
116	M116	Z	-1.815	-1.815	0	%100
117	M117	X	1.048	1.048	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,%]
118	M117	Z	-1.815	-1.815	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	M40	X	2.475	2.475	0	%100
2	M40	Z	-1.429	-1.429	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	2.475	2.475	0	%100
6	M42	Z	-1.429	-1.429	0	%100
7	M43	X	2.424	2.424	0	%100
8	M43	Z	-1.399	-1.399	0	%100
9	M37A	X	.81	.81	0	%100
10	M37A	Z	-.468	-.468	0	%100
11	M38A	X	3.241	3.241	0	%100
12	M38A	Z	-1.871	-1.871	0	%100
13	M39A	X	.81	.81	0	%100
14	M39A	Z	-.468	-.468	0	%100
15	MP5A	X	2.955	2.955	0	%100
16	MP5A	Z	-1.706	-1.706	0	%100
17	MP4A	X	2.955	2.955	0	%100
18	MP4A	Z	-1.706	-1.706	0	%100
19	MP3A	X	2.955	2.955	0	%100
20	MP3A	Z	-1.706	-1.706	0	%100
21	MP2A	X	2.955	2.955	0	%100
22	MP2A	Z	-1.706	-1.706	0	%100
23	MP1A	X	2.955	2.955	0	%100
24	MP1A	Z	-1.706	-1.706	0	%100
25	MP5C	X	2.955	2.955	0	%100
26	MP5C	Z	-1.706	-1.706	0	%100
27	MP4C	X	2.955	2.955	0	%100
28	MP4C	Z	-1.706	-1.706	0	%100
29	MP3C	X	2.955	2.955	0	%100
30	MP3C	Z	-1.706	-1.706	0	%100
31	MP2C	X	2.955	2.955	0	%100
32	MP2C	Z	-1.706	-1.706	0	%100
33	MP1C	X	2.955	2.955	0	%100
34	MP1C	Z	-1.706	-1.706	0	%100
35	MP5B	X	2.955	2.955	0	%100
36	MP5B	Z	-1.706	-1.706	0	%100
37	MP4B	X	2.955	2.955	0	%100
38	MP4B	Z	-1.706	-1.706	0	%100
39	MP3B	X	2.955	2.955	0	%100
40	MP3B	Z	-1.706	-1.706	0	%100
41	MP2B	X	2.955	2.955	0	%100
42	MP2B	Z	-1.706	-1.706	0	%100
43	MP1B	X	2.955	2.955	0	%100
44	MP1B	Z	-1.706	-1.706	0	%100
45	M61	X	2.475	2.475	0	%100
46	M61	Z	-1.429	-1.429	0	%100
47	M62	X	2.488	2.488	0	%100
48	M62	Z	-1.436	-1.436	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	0	0	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	0	0	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,%]
53	M58	X	2.488	2.488	0	%100
54	M58	Z	-1.436	-1.436	0	%100
55	M59	X	2.488	2.488	0	%100
56	M59	Z	-1.436	-1.436	0	%100
57	M60	X	2.488	2.488	0	%100
58	M60	Z	-1.436	-1.436	0	%100
59	M61A	X	1.834	1.834	0	%100
60	M61A	Z	-1.059	-1.059	0	%100
61	M63A	X	1.834	1.834	0	%100
62	M63A	Z	-1.059	-1.059	0	%100
63	M72A	X	.361	.361	0	%100
64	M72A	Z	-.209	-.209	0	%100
65	M71A	X	1.446	1.446	0	%100
66	M71A	Z	-.835	-.835	0	%100
67	M72B	X	.361	.361	0	%100
68	M72B	Z	-.209	-.209	0	%100
69	M74A	X	2.706	2.706	0	%100
70	M74A	Z	-1.562	-1.562	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	0	0	0	%100
73	M71	X	0	0	0	%100
74	M71	Z	0	0	0	%100
75	M75A	X	1.834	1.834	0	%100
76	M75A	Z	-1.059	-1.059	0	%100
77	M77A	X	1.834	1.834	0	%100
78	M77A	Z	-1.059	-1.059	0	%100
79	M79A	X	0	0	0	%100
80	M79A	Z	0	0	0	%100
81	M80B	X	2.424	2.424	0	%100
82	M80B	Z	-1.399	-1.399	0	%100
83	M81	X	.81	.81	0	%100
84	M81	Z	-.468	-.468	0	%100
85	M82	X	.81	.81	0	%100
86	M82	Z	-.468	-.468	0	%100
87	M83	X	3.241	3.241	0	%100
88	M83	Z	-1.871	-1.871	0	%100
89	M84	X	3.241	3.241	0	%100
90	M84	Z	-1.871	-1.871	0	%100
91	M85	X	.81	.81	0	%100
92	M85	Z	-.468	-.468	0	%100
93	M86	X	.81	.81	0	%100
94	M86	Z	-.468	-.468	0	%100
95	M90	X	.818	.818	0	%100
96	M90	Z	-.472	-.472	0	%100
97	M96	X	3.27	3.27	0	%100
98	M96	Z	-1.888	-1.888	0	%100
99	M102	X	.818	.818	0	%100
100	M102	Z	-.472	-.472	0	%100
101	M109	X	3.541	3.541	0	%100
102	M109	Z	-2.045	-2.045	0	%100
103	M110	X	.885	.885	0	%100
104	M110	Z	-.511	-.511	0	%100
105	M111	X	.885	.885	0	%100
106	M111	Z	-.511	-.511	0	%100
107	M112	X	.413	.413	0	%100
108	M112	Z	-.238	-.238	0	%100
109	M113	X	3.502	3.502	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,%]
110	M113	Z	-2.022	-2.022	0	%100
111	M114	X	2.386	2.386	0	%100
112	M114	Z	-1.377	-1.377	0	%100
113	M115	X	2.386	2.386	0	%100
114	M115	Z	-1.377	-1.377	0	%100
115	M116	X	3.502	3.502	0	%100
116	M116	Z	-2.022	-2.022	0	%100
117	M117	X	.413	.413	0	%100
118	M117	Z	-.238	-.238	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	M40	X	3.81	3.81	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	.953	.953	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	.953	.953	0	%100
6	M42	Z	0	0	0	%100
7	M43	X	3.731	3.731	0	%100
8	M43	Z	0	0	0	%100
9	M37A	X	0	0	0	%100
10	M37A	Z	0	0	0	%100
11	M38A	X	2.807	2.807	0	%100
12	M38A	Z	0	0	0	%100
13	M39A	X	2.807	2.807	0	%100
14	M39A	Z	0	0	0	%100
15	MP5A	X	3.413	3.413	0	%100
16	MP5A	Z	0	0	0	%100
17	MP4A	X	3.413	3.413	0	%100
18	MP4A	Z	0	0	0	%100
19	MP3A	X	3.413	3.413	0	%100
20	MP3A	Z	0	0	0	%100
21	MP2A	X	3.413	3.413	0	%100
22	MP2A	Z	0	0	0	%100
23	MP1A	X	3.413	3.413	0	%100
24	MP1A	Z	0	0	0	%100
25	MP5C	X	3.413	3.413	0	%100
26	MP5C	Z	0	0	0	%100
27	MP4C	X	3.413	3.413	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	3.413	3.413	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	3.413	3.413	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	3.413	3.413	0	%100
34	MP1C	Z	0	0	0	%100
35	MP5B	X	3.413	3.413	0	%100
36	MP5B	Z	0	0	0	%100
37	MP4B	X	3.413	3.413	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	3.413	3.413	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	3.413	3.413	0	%100
42	MP2B	Z	0	0	0	%100
43	MP1B	X	3.413	3.413	0	%100
44	MP1B	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,%]
45	M61	X	.953	.953	0	%100
46	M61	Z	0	0	0	%100
47	M62	X	3.83	3.83	0	%100
48	M62	Z	0	0	0	%100
49	M63	X	.958	.958	0	%100
50	M63	Z	0	0	0	%100
51	M57	X	.958	.958	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	.958	.958	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	.958	.958	0	%100
56	M59	Z	0	0	0	%100
57	M60	X	3.83	3.83	0	%100
58	M60	Z	0	0	0	%100
59	M61A	X	2.823	2.823	0	%100
60	M61A	Z	0	0	0	%100
61	M63A	X	2.823	2.823	0	%100
62	M63A	Z	0	0	0	%100
63	M72A	X	0	0	0	%100
64	M72A	Z	0	0	0	%100
65	M71A	X	1.252	1.252	0	%100
66	M71A	Z	0	0	0	%100
67	M72B	X	1.252	1.252	0	%100
68	M72B	Z	0	0	0	%100
69	M74A	X	3.124	3.124	0	%100
70	M74A	Z	0	0	0	%100
71	M69	X	.706	.706	0	%100
72	M69	Z	0	0	0	%100
73	M71	X	.706	.706	0	%100
74	M71	Z	0	0	0	%100
75	M75A	X	.706	.706	0	%100
76	M75A	Z	0	0	0	%100
77	M77A	X	.706	.706	0	%100
78	M77A	Z	0	0	0	%100
79	M79A	X	.933	.933	0	%100
80	M79A	Z	0	0	0	%100
81	M80B	X	.933	.933	0	%100
82	M80B	Z	0	0	0	%100
83	M81	X	0	0	0	%100
84	M81	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	M83	X	2.807	2.807	0	%100
88	M83	Z	0	0	0	%100
89	M84	X	2.807	2.807	0	%100
90	M84	Z	0	0	0	%100
91	M85	X	2.807	2.807	0	%100
92	M85	Z	0	0	0	%100
93	M86	X	2.807	2.807	0	%100
94	M86	Z	0	0	0	%100
95	M90	X	0	0	0	%100
96	M90	Z	0	0	0	%100
97	M96	X	2.832	2.832	0	%100
98	M96	Z	0	0	0	%100
99	M102	X	2.832	2.832	0	%100
100	M102	Z	0	0	0	%100
101	M109	X	3.067	3.067	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,%]
102	M109	Z	0	0	0	%100
103	M110	X	3.067	3.067	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	0	0	0	%100
107	M112	X	2.096	2.096	0	%100
108	M112	Z	0	0	0	%100
109	M113	X	2.096	2.096	0	%100
110	M113	Z	0	0	0	%100
111	M114	X	.806	.806	0	%100
112	M114	Z	0	0	0	%100
113	M115	X	4.373	4.373	0	%100
114	M115	Z	0	0	0	%100
115	M116	X	4.373	4.373	0	%100
116	M116	Z	0	0	0	%100
117	M117	X	.806	.806	0	%100
118	M117	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	M40	X	2.475	2.475	0	%100
2	M40	Z	1.429	1.429	0	%100
3	M41	X	2.475	2.475	0	%100
4	M41	Z	1.429	1.429	0	%100
5	M42	X	0	0	0	%100
6	M42	Z	0	0	0	%100
7	M43	X	2.424	2.424	0	%100
8	M43	Z	1.399	1.399	0	%100
9	M37A	X	.81	.81	0	%100
10	M37A	Z	.468	.468	0	%100
11	M38A	X	.81	.81	0	%100
12	M38A	Z	.468	.468	0	%100
13	M39A	X	3.241	3.241	0	%100
14	M39A	Z	1.871	1.871	0	%100
15	MP5A	X	2.955	2.955	0	%100
16	MP5A	Z	1.706	1.706	0	%100
17	MP4A	X	2.955	2.955	0	%100
18	MP4A	Z	1.706	1.706	0	%100
19	MP3A	X	2.955	2.955	0	%100
20	MP3A	Z	1.706	1.706	0	%100
21	MP2A	X	2.955	2.955	0	%100
22	MP2A	Z	1.706	1.706	0	%100
23	MP1A	X	2.955	2.955	0	%100
24	MP1A	Z	1.706	1.706	0	%100
25	MP5C	X	2.955	2.955	0	%100
26	MP5C	Z	1.706	1.706	0	%100
27	MP4C	X	2.955	2.955	0	%100
28	MP4C	Z	1.706	1.706	0	%100
29	MP3C	X	2.955	2.955	0	%100
30	MP3C	Z	1.706	1.706	0	%100
31	MP2C	X	2.955	2.955	0	%100
32	MP2C	Z	1.706	1.706	0	%100
33	MP1C	X	2.955	2.955	0	%100
34	MP1C	Z	1.706	1.706	0	%100
35	MP5B	X	2.955	2.955	0	%100
36	MP5B	Z	1.706	1.706	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,%]
37	MP4B	X	2.955	2.955	0	%100
38	MP4B	Z	1.706	1.706	0	%100
39	MP3B	X	2.955	2.955	0	%100
40	MP3B	Z	1.706	1.706	0	%100
41	MP2B	X	2.955	2.955	0	%100
42	MP2B	Z	1.706	1.706	0	%100
43	MP1B	X	2.955	2.955	0	%100
44	MP1B	Z	1.706	1.706	0	%100
45	M61	X	0	0	0	%100
46	M61	Z	0	0	0	%100
47	M62	X	2.488	2.488	0	%100
48	M62	Z	1.436	1.436	0	%100
49	M63	X	2.488	2.488	0	%100
50	M63	Z	1.436	1.436	0	%100
51	M57	X	2.488	2.488	0	%100
52	M57	Z	1.436	1.436	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	0	0	0	%100
57	M60	X	2.488	2.488	0	%100
58	M60	Z	1.436	1.436	0	%100
59	M61A	X	1.834	1.834	0	%100
60	M61A	Z	1.059	1.059	0	%100
61	M63A	X	1.834	1.834	0	%100
62	M63A	Z	1.059	1.059	0	%100
63	M72A	X	.361	.361	0	%100
64	M72A	Z	.209	.209	0	%100
65	M71A	X	.361	.361	0	%100
66	M71A	Z	.209	.209	0	%100
67	M72B	X	1.446	1.446	0	%100
68	M72B	Z	.835	.835	0	%100
69	M74A	X	2.706	2.706	0	%100
70	M74A	Z	1.562	1.562	0	%100
71	M69	X	1.834	1.834	0	%100
72	M69	Z	1.059	1.059	0	%100
73	M71	X	1.834	1.834	0	%100
74	M71	Z	1.059	1.059	0	%100
75	M75A	X	0	0	0	%100
76	M75A	Z	0	0	0	%100
77	M77A	X	0	0	0	%100
78	M77A	Z	0	0	0	%100
79	M79A	X	2.424	2.424	0	%100
80	M79A	Z	1.399	1.399	0	%100
81	M80B	X	0	0	0	%100
82	M80B	Z	0	0	0	%100
83	M81	X	.81	.81	0	%100
84	M81	Z	.468	.468	0	%100
85	M82	X	.81	.81	0	%100
86	M82	Z	.468	.468	0	%100
87	M83	X	.81	.81	0	%100
88	M83	Z	.468	.468	0	%100
89	M84	X	.81	.81	0	%100
90	M84	Z	.468	.468	0	%100
91	M85	X	3.241	3.241	0	%100
92	M85	Z	1.871	1.871	0	%100
93	M86	X	3.241	3.241	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,%]
94	M86	Z	1.871	1.871	0	%100
95	M90	X	.818	.818	0	%100
96	M90	Z	.472	.472	0	%100
97	M96	X	.818	.818	0	%100
98	M96	Z	.472	.472	0	%100
99	M102	X	3.27	3.27	0	%100
100	M102	Z	1.888	1.888	0	%100
101	M109	X	.885	.885	0	%100
102	M109	Z	.511	.511	0	%100
103	M110	X	3.541	3.541	0	%100
104	M110	Z	2.045	2.045	0	%100
105	M111	X	.885	.885	0	%100
106	M111	Z	.511	.511	0	%100
107	M112	X	3.502	3.502	0	%100
108	M112	Z	2.022	2.022	0	%100
109	M113	X	.413	.413	0	%100
110	M113	Z	.238	.238	0	%100
111	M114	X	.413	.413	0	%100
112	M114	Z	.238	.238	0	%100
113	M115	X	3.502	3.502	0	%100
114	M115	Z	2.022	2.022	0	%100
115	M116	X	2.386	2.386	0	%100
116	M116	Z	1.377	1.377	0	%100
117	M117	X	2.386	2.386	0	%100
118	M117	Z	1.377	1.377	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	M40	X	.476	.476	0	%100
2	M40	Z	.825	.825	0	%100
3	M41	X	1.905	1.905	0	%100
4	M41	Z	3.3	3.3	0	%100
5	M42	X	.476	.476	0	%100
6	M42	Z	.825	.825	0	%100
7	M43	X	.466	.466	0	%100
8	M43	Z	.808	.808	0	%100
9	M37A	X	1.404	1.404	0	%100
10	M37A	Z	2.431	2.431	0	%100
11	M38A	X	0	0	0	%100
12	M38A	Z	0	0	0	%100
13	M39A	X	1.404	1.404	0	%100
14	M39A	Z	2.431	2.431	0	%100
15	MP5A	X	1.706	1.706	0	%100
16	MP5A	Z	2.955	2.955	0	%100
17	MP4A	X	1.706	1.706	0	%100
18	MP4A	Z	2.955	2.955	0	%100
19	MP3A	X	1.706	1.706	0	%100
20	MP3A	Z	2.955	2.955	0	%100
21	MP2A	X	1.706	1.706	0	%100
22	MP2A	Z	2.955	2.955	0	%100
23	MP1A	X	1.706	1.706	0	%100
24	MP1A	Z	2.955	2.955	0	%100
25	MP5C	X	1.706	1.706	0	%100
26	MP5C	Z	2.955	2.955	0	%100
27	MP4C	X	1.706	1.706	0	%100
28	MP4C	Z	2.955	2.955	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,%]
29	MP3C	X	1.706	1.706	0	%100
30	MP3C	Z	2.955	2.955	0	%100
31	MP2C	X	1.706	1.706	0	%100
32	MP2C	Z	2.955	2.955	0	%100
33	MP1C	X	1.706	1.706	0	%100
34	MP1C	Z	2.955	2.955	0	%100
35	MP5B	X	1.706	1.706	0	%100
36	MP5B	Z	2.955	2.955	0	%100
37	MP4B	X	1.706	1.706	0	%100
38	MP4B	Z	2.955	2.955	0	%100
39	MP3B	X	1.706	1.706	0	%100
40	MP3B	Z	2.955	2.955	0	%100
41	MP2B	X	1.706	1.706	0	%100
42	MP2B	Z	2.955	2.955	0	%100
43	MP1B	X	1.706	1.706	0	%100
44	MP1B	Z	2.955	2.955	0	%100
45	M61	X	.476	.476	0	%100
46	M61	Z	.825	.825	0	%100
47	M62	X	.479	.479	0	%100
48	M62	Z	.829	.829	0	%100
49	M63	X	1.915	1.915	0	%100
50	M63	Z	3.317	3.317	0	%100
51	M57	X	1.915	1.915	0	%100
52	M57	Z	3.317	3.317	0	%100
53	M58	X	.479	.479	0	%100
54	M58	Z	.829	.829	0	%100
55	M59	X	.479	.479	0	%100
56	M59	Z	.829	.829	0	%100
57	M60	X	.479	.479	0	%100
58	M60	Z	.829	.829	0	%100
59	M61A	X	.353	.353	0	%100
60	M61A	Z	.611	.611	0	%100
61	M63A	X	.353	.353	0	%100
62	M63A	Z	.611	.611	0	%100
63	M72A	X	.626	.626	0	%100
64	M72A	Z	1.084	1.084	0	%100
65	M71A	X	0	0	0	%100
66	M71A	Z	0	0	0	%100
67	M72B	X	.626	.626	0	%100
68	M72B	Z	1.084	1.084	0	%100
69	M74A	X	1.562	1.562	0	%100
70	M74A	Z	2.706	2.706	0	%100
71	M69	X	1.412	1.412	0	%100
72	M69	Z	2.445	2.445	0	%100
73	M71	X	1.412	1.412	0	%100
74	M71	Z	2.445	2.445	0	%100
75	M75A	X	.353	.353	0	%100
76	M75A	Z	.611	.611	0	%100
77	M77A	X	.353	.353	0	%100
78	M77A	Z	.611	.611	0	%100
79	M79A	X	1.866	1.866	0	%100
80	M79A	Z	3.232	3.232	0	%100
81	M80B	X	.466	.466	0	%100
82	M80B	Z	.808	.808	0	%100
83	M81	X	1.404	1.404	0	%100
84	M81	Z	2.431	2.431	0	%100
85	M82	X	1.404	1.404	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,%]
86	M82	Z	2.431	2.431	0	%100
87	M83	X	0	0	0	%100
88	M83	Z	0	0	0	%100
89	M84	X	0	0	0	%100
90	M84	Z	0	0	0	%100
91	M85	X	1.404	1.404	0	%100
92	M85	Z	2.431	2.431	0	%100
93	M86	X	1.404	1.404	0	%100
94	M86	Z	2.431	2.431	0	%100
95	M90	X	1.416	1.416	0	%100
96	M90	Z	2.453	2.453	0	%100
97	M96	X	0	0	0	%100
98	M96	Z	0	0	0	%100
99	M102	X	1.416	1.416	0	%100
100	M102	Z	2.453	2.453	0	%100
101	M109	X	0	0	0	%100
102	M109	Z	0	0	0	%100
103	M110	X	1.533	1.533	0	%100
104	M110	Z	2.656	2.656	0	%100
105	M111	X	1.533	1.533	0	%100
106	M111	Z	2.656	2.656	0	%100
107	M112	X	2.187	2.187	0	%100
108	M112	Z	3.787	3.787	0	%100
109	M113	X	.403	.403	0	%100
110	M113	Z	.698	.698	0	%100
111	M114	X	1.048	1.048	0	%100
112	M114	Z	1.815	1.815	0	%100
113	M115	X	1.048	1.048	0	%100
114	M115	Z	1.815	1.815	0	%100
115	M116	X	.403	.403	0	%100
116	M116	Z	.698	.698	0	%100
117	M117	X	2.187	2.187	0	%100
118	M117	Z	3.787	3.787	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	M40	X	0	0	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	2.858	2.858	0	%100
5	M42	X	0	0	0	%100
6	M42	Z	2.858	2.858	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M37A	X	0	0	0	%100
10	M37A	Z	3.743	3.743	0	%100
11	M38A	X	0	0	0	%100
12	M38A	Z	.936	.936	0	%100
13	M39A	X	0	0	0	%100
14	M39A	Z	.936	.936	0	%100
15	MP5A	X	0	0	0	%100
16	MP5A	Z	3.413	3.413	0	%100
17	MP4A	X	0	0	0	%100
18	MP4A	Z	3.413	3.413	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	3.413	3.413	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,%]
21	MP2A	X	0	0	0	%100
22	MP2A	Z	3.413	3.413	0	%100
23	MP1A	X	0	0	0	%100
24	MP1A	Z	3.413	3.413	0	%100
25	MP5C	X	0	0	0	%100
26	MP5C	Z	3.413	3.413	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	3.413	3.413	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	3.413	3.413	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	3.413	3.413	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	3.413	3.413	0	%100
35	MP5B	X	0	0	0	%100
36	MP5B	Z	3.413	3.413	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	3.413	3.413	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	3.413	3.413	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	3.413	3.413	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	3.413	3.413	0	%100
45	M61	X	0	0	0	%100
46	M61	Z	2.858	2.858	0	%100
47	M62	X	0	0	0	%100
48	M62	Z	0	0	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	2.873	2.873	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	2.873	2.873	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	2.873	2.873	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	2.873	2.873	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61A	X	0	0	0	%100
60	M61A	Z	0	0	0	%100
61	M63A	X	0	0	0	%100
62	M63A	Z	0	0	0	%100
63	M72A	X	0	0	0	%100
64	M72A	Z	1.67	1.67	0	%100
65	M71A	X	0	0	0	%100
66	M71A	Z	.417	.417	0	%100
67	M72B	X	0	0	0	%100
68	M72B	Z	.417	.417	0	%100
69	M74A	X	0	0	0	%100
70	M74A	Z	3.124	3.124	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	2.117	2.117	0	%100
73	M71	X	0	0	0	%100
74	M71	Z	2.117	2.117	0	%100
75	M75A	X	0	0	0	%100
76	M75A	Z	2.117	2.117	0	%100
77	M77A	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,%]
78	M77A	Z	2.117	2.117	0	%100
79	M79A	X	0	0	0	%100
80	M79A	Z	2.799	2.799	0	%100
81	M80B	X	0	0	0	%100
82	M80B	Z	2.799	2.799	0	%100
83	M81	X	0	0	0	%100
84	M81	Z	3.743	3.743	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	3.743	3.743	0	%100
87	M83	X	0	0	0	%100
88	M83	Z	.936	.936	0	%100
89	M84	X	0	0	0	%100
90	M84	Z	.936	.936	0	%100
91	M85	X	0	0	0	%100
92	M85	Z	.936	.936	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	.936	.936	0	%100
95	M90	X	0	0	0	%100
96	M90	Z	3.776	3.776	0	%100
97	M96	X	0	0	0	%100
98	M96	Z	.944	.944	0	%100
99	M102	X	0	0	0	%100
100	M102	Z	.944	.944	0	%100
101	M109	X	0	0	0	%100
102	M109	Z	1.022	1.022	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	1.022	1.022	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	4.089	4.089	0	%100
107	M112	X	0	0	0	%100
108	M112	Z	2.755	2.755	0	%100
109	M113	X	0	0	0	%100
110	M113	Z	2.755	2.755	0	%100
111	M114	X	0	0	0	%100
112	M114	Z	4.044	4.044	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	.477	.477	0	%100
115	M116	X	0	0	0	%100
116	M116	Z	.477	.477	0	%100
117	M117	X	0	0	0	%100
118	M117	Z	4.044	4.044	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	M40	X	-.476	-.476	0	%100
2	M40	Z	.825	.825	0	%100
3	M41	X	-.476	-.476	0	%100
4	M41	Z	.825	.825	0	%100
5	M42	X	-1.905	-1.905	0	%100
6	M42	Z	3.3	3.3	0	%100
7	M43	X	-.466	-.466	0	%100
8	M43	Z	.808	.808	0	%100
9	M37A	X	-1.404	-1.404	0	%100
10	M37A	Z	2.431	2.431	0	%100
11	M38A	X	-1.404	-1.404	0	%100
12	M38A	Z	2.431	2.431	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,%]
13	M39A	X	0	0	0	%100
14	M39A	Z	0	0	0	%100
15	MP5A	X	-1.706	-1.706	0	%100
16	MP5A	Z	2.955	2.955	0	%100
17	MP4A	X	-1.706	-1.706	0	%100
18	MP4A	Z	2.955	2.955	0	%100
19	MP3A	X	-1.706	-1.706	0	%100
20	MP3A	Z	2.955	2.955	0	%100
21	MP2A	X	-1.706	-1.706	0	%100
22	MP2A	Z	2.955	2.955	0	%100
23	MP1A	X	-1.706	-1.706	0	%100
24	MP1A	Z	2.955	2.955	0	%100
25	MP5C	X	-1.706	-1.706	0	%100
26	MP5C	Z	2.955	2.955	0	%100
27	MP4C	X	-1.706	-1.706	0	%100
28	MP4C	Z	2.955	2.955	0	%100
29	MP3C	X	-1.706	-1.706	0	%100
30	MP3C	Z	2.955	2.955	0	%100
31	MP2C	X	-1.706	-1.706	0	%100
32	MP2C	Z	2.955	2.955	0	%100
33	MP1C	X	-1.706	-1.706	0	%100
34	MP1C	Z	2.955	2.955	0	%100
35	MP5B	X	-1.706	-1.706	0	%100
36	MP5B	Z	2.955	2.955	0	%100
37	MP4B	X	-1.706	-1.706	0	%100
38	MP4B	Z	2.955	2.955	0	%100
39	MP3B	X	-1.706	-1.706	0	%100
40	MP3B	Z	2.955	2.955	0	%100
41	MP2B	X	-1.706	-1.706	0	%100
42	MP2B	Z	2.955	2.955	0	%100
43	MP1B	X	-1.706	-1.706	0	%100
44	MP1B	Z	2.955	2.955	0	%100
45	M61	X	-1.905	-1.905	0	%100
46	M61	Z	3.3	3.3	0	%100
47	M62	X	-.479	-.479	0	%100
48	M62	Z	.829	.829	0	%100
49	M63	X	-.479	-.479	0	%100
50	M63	Z	.829	.829	0	%100
51	M57	X	-.479	-.479	0	%100
52	M57	Z	.829	.829	0	%100
53	M58	X	-1.915	-1.915	0	%100
54	M58	Z	3.317	3.317	0	%100
55	M59	X	-1.915	-1.915	0	%100
56	M59	Z	3.317	3.317	0	%100
57	M60	X	-.479	-.479	0	%100
58	M60	Z	.829	.829	0	%100
59	M61A	X	-.353	-.353	0	%100
60	M61A	Z	.611	.611	0	%100
61	M63A	X	-.353	-.353	0	%100
62	M63A	Z	.611	.611	0	%100
63	M72A	X	-.626	-.626	0	%100
64	M72A	Z	1.084	1.084	0	%100
65	M71A	X	-.626	-.626	0	%100
66	M71A	Z	1.084	1.084	0	%100
67	M72B	X	0	0	0	%100
68	M72B	Z	0	0	0	%100
69	M74A	X	-1.562	-1.562	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,%]
70	M74A	Z	2.706	2.706	0	%100
71	M69	X	-.353	-.353	0	%100
72	M69	Z	.611	.611	0	%100
73	M71	X	-.353	-.353	0	%100
74	M71	Z	.611	.611	0	%100
75	M75A	X	-1.412	-1.412	0	%100
76	M75A	Z	2.445	2.445	0	%100
77	M77A	X	-1.412	-1.412	0	%100
78	M77A	Z	2.445	2.445	0	%100
79	M79A	X	-.466	-.466	0	%100
80	M79A	Z	.808	.808	0	%100
81	M80B	X	-1.866	-1.866	0	%100
82	M80B	Z	3.232	3.232	0	%100
83	M81	X	-1.404	-1.404	0	%100
84	M81	Z	2.431	2.431	0	%100
85	M82	X	-1.404	-1.404	0	%100
86	M82	Z	2.431	2.431	0	%100
87	M83	X	-1.404	-1.404	0	%100
88	M83	Z	2.431	2.431	0	%100
89	M84	X	-1.404	-1.404	0	%100
90	M84	Z	2.431	2.431	0	%100
91	M85	X	0	0	0	%100
92	M85	Z	0	0	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	0	0	0	%100
95	M90	X	-1.416	-1.416	0	%100
96	M90	Z	2.453	2.453	0	%100
97	M96	X	-1.416	-1.416	0	%100
98	M96	Z	2.453	2.453	0	%100
99	M102	X	0	0	0	%100
100	M102	Z	0	0	0	%100
101	M109	X	-1.533	-1.533	0	%100
102	M109	Z	2.656	2.656	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	-1.533	-1.533	0	%100
106	M111	Z	2.656	2.656	0	%100
107	M112	X	-.403	-.403	0	%100
108	M112	Z	.698	.698	0	%100
109	M113	X	-2.187	-2.187	0	%100
110	M113	Z	3.787	3.787	0	%100
111	M114	X	-2.187	-2.187	0	%100
112	M114	Z	3.787	3.787	0	%100
113	M115	X	-.403	-.403	0	%100
114	M115	Z	.698	.698	0	%100
115	M116	X	-1.048	-1.048	0	%100
116	M116	Z	1.815	1.815	0	%100
117	M117	X	-1.048	-1.048	0	%100
118	M117	Z	1.815	1.815	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	M40	X	-2.475	-2.475	0	%100
2	M40	Z	1.429	1.429	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	0	0	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,%]
5	M42	X	-2.475	-2.475	0	%100
6	M42	Z	1.429	1.429	0	%100
7	M43	X	-2.424	-2.424	0	%100
8	M43	Z	1.399	1.399	0	%100
9	M37A	X	-.81	-.81	0	%100
10	M37A	Z	.468	.468	0	%100
11	M38A	X	-3.241	-3.241	0	%100
12	M38A	Z	1.871	1.871	0	%100
13	M39A	X	-.81	-.81	0	%100
14	M39A	Z	.468	.468	0	%100
15	MP5A	X	-2.955	-2.955	0	%100
16	MP5A	Z	1.706	1.706	0	%100
17	MP4A	X	-2.955	-2.955	0	%100
18	MP4A	Z	1.706	1.706	0	%100
19	MP3A	X	-2.955	-2.955	0	%100
20	MP3A	Z	1.706	1.706	0	%100
21	MP2A	X	-2.955	-2.955	0	%100
22	MP2A	Z	1.706	1.706	0	%100
23	MP1A	X	-2.955	-2.955	0	%100
24	MP1A	Z	1.706	1.706	0	%100
25	MP5C	X	-2.955	-2.955	0	%100
26	MP5C	Z	1.706	1.706	0	%100
27	MP4C	X	-2.955	-2.955	0	%100
28	MP4C	Z	1.706	1.706	0	%100
29	MP3C	X	-2.955	-2.955	0	%100
30	MP3C	Z	1.706	1.706	0	%100
31	MP2C	X	-2.955	-2.955	0	%100
32	MP2C	Z	1.706	1.706	0	%100
33	MP1C	X	-2.955	-2.955	0	%100
34	MP1C	Z	1.706	1.706	0	%100
35	MP5B	X	-2.955	-2.955	0	%100
36	MP5B	Z	1.706	1.706	0	%100
37	MP4B	X	-2.955	-2.955	0	%100
38	MP4B	Z	1.706	1.706	0	%100
39	MP3B	X	-2.955	-2.955	0	%100
40	MP3B	Z	1.706	1.706	0	%100
41	MP2B	X	-2.955	-2.955	0	%100
42	MP2B	Z	1.706	1.706	0	%100
43	MP1B	X	-2.955	-2.955	0	%100
44	MP1B	Z	1.706	1.706	0	%100
45	M61	X	-2.475	-2.475	0	%100
46	M61	Z	1.429	1.429	0	%100
47	M62	X	-2.488	-2.488	0	%100
48	M62	Z	1.436	1.436	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	0	0	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	-2.488	-2.488	0	%100
54	M58	Z	1.436	1.436	0	%100
55	M59	X	-2.488	-2.488	0	%100
56	M59	Z	1.436	1.436	0	%100
57	M60	X	-2.488	-2.488	0	%100
58	M60	Z	1.436	1.436	0	%100
59	M61A	X	-1.834	-1.834	0	%100
60	M61A	Z	1.059	1.059	0	%100
61	M63A	X	-1.834	-1.834	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,%]
62	M63A	Z	1.059	1.059	0	%100
63	M72A	X	-.361	-.361	0	%100
64	M72A	Z	.209	.209	0	%100
65	M71A	X	-1.446	-1.446	0	%100
66	M71A	Z	.835	.835	0	%100
67	M72B	X	-.361	-.361	0	%100
68	M72B	Z	.209	.209	0	%100
69	M74A	X	-2.706	-2.706	0	%100
70	M74A	Z	1.562	1.562	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	0	0	0	%100
73	M71	X	0	0	0	%100
74	M71	Z	0	0	0	%100
75	M75A	X	-1.834	-1.834	0	%100
76	M75A	Z	1.059	1.059	0	%100
77	M77A	X	-1.834	-1.834	0	%100
78	M77A	Z	1.059	1.059	0	%100
79	M79A	X	0	0	0	%100
80	M79A	Z	0	0	0	%100
81	M80B	X	-2.424	-2.424	0	%100
82	M80B	Z	1.399	1.399	0	%100
83	M81	X	-.81	-.81	0	%100
84	M81	Z	.468	.468	0	%100
85	M82	X	-.81	-.81	0	%100
86	M82	Z	.468	.468	0	%100
87	M83	X	-3.241	-3.241	0	%100
88	M83	Z	1.871	1.871	0	%100
89	M84	X	-3.241	-3.241	0	%100
90	M84	Z	1.871	1.871	0	%100
91	M85	X	-.81	-.81	0	%100
92	M85	Z	.468	.468	0	%100
93	M86	X	-.81	-.81	0	%100
94	M86	Z	.468	.468	0	%100
95	M90	X	-.818	-.818	0	%100
96	M90	Z	.472	.472	0	%100
97	M96	X	-3.27	-3.27	0	%100
98	M96	Z	1.888	1.888	0	%100
99	M102	X	-.818	-.818	0	%100
100	M102	Z	.472	.472	0	%100
101	M109	X	-3.541	-3.541	0	%100
102	M109	Z	2.045	2.045	0	%100
103	M110	X	-.885	-.885	0	%100
104	M110	Z	.511	.511	0	%100
105	M111	X	-.885	-.885	0	%100
106	M111	Z	.511	.511	0	%100
107	M112	X	-.413	-.413	0	%100
108	M112	Z	.238	.238	0	%100
109	M113	X	-3.502	-3.502	0	%100
110	M113	Z	2.022	2.022	0	%100
111	M114	X	-2.386	-2.386	0	%100
112	M114	Z	1.377	1.377	0	%100
113	M115	X	-2.386	-2.386	0	%100
114	M115	Z	1.377	1.377	0	%100
115	M116	X	-3.502	-3.502	0	%100
116	M116	Z	2.022	2.022	0	%100
117	M117	X	-.413	-.413	0	%100
118	M117	Z	.238	.238	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	M40	X	-3.81	-3.81	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	-.953	-.953	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	-.953	-.953	0	%100
6	M42	Z	0	0	0	%100
7	M43	X	-3.731	-3.731	0	%100
8	M43	Z	0	0	0	%100
9	M37A	X	0	0	0	%100
10	M37A	Z	0	0	0	%100
11	M38A	X	-2.807	-2.807	0	%100
12	M38A	Z	0	0	0	%100
13	M39A	X	-2.807	-2.807	0	%100
14	M39A	Z	0	0	0	%100
15	MP5A	X	-3.413	-3.413	0	%100
16	MP5A	Z	0	0	0	%100
17	MP4A	X	-3.413	-3.413	0	%100
18	MP4A	Z	0	0	0	%100
19	MP3A	X	-3.413	-3.413	0	%100
20	MP3A	Z	0	0	0	%100
21	MP2A	X	-3.413	-3.413	0	%100
22	MP2A	Z	0	0	0	%100
23	MP1A	X	-3.413	-3.413	0	%100
24	MP1A	Z	0	0	0	%100
25	MP5C	X	-3.413	-3.413	0	%100
26	MP5C	Z	0	0	0	%100
27	MP4C	X	-3.413	-3.413	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	-3.413	-3.413	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	-3.413	-3.413	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-3.413	-3.413	0	%100
34	MP1C	Z	0	0	0	%100
35	MP5B	X	-3.413	-3.413	0	%100
36	MP5B	Z	0	0	0	%100
37	MP4B	X	-3.413	-3.413	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	-3.413	-3.413	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	-3.413	-3.413	0	%100
42	MP2B	Z	0	0	0	%100
43	MP1B	X	-3.413	-3.413	0	%100
44	MP1B	Z	0	0	0	%100
45	M61	X	-.953	-.953	0	%100
46	M61	Z	0	0	0	%100
47	M62	X	-3.83	-3.83	0	%100
48	M62	Z	0	0	0	%100
49	M63	X	-.958	-.958	0	%100
50	M63	Z	0	0	0	%100
51	M57	X	-.958	-.958	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	-.958	-.958	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	-.958	-.958	0	%100
56	M59	Z	0	0	0	%100
57	M60	X	-3.83	-3.83	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,%]
58	M60	Z	0	0	0	%100
59	M61A	X	-2.823	-2.823	0	%100
60	M61A	Z	0	0	0	%100
61	M63A	X	-2.823	-2.823	0	%100
62	M63A	Z	0	0	0	%100
63	M72A	X	0	0	0	%100
64	M72A	Z	0	0	0	%100
65	M71A	X	-1.252	-1.252	0	%100
66	M71A	Z	0	0	0	%100
67	M72B	X	-1.252	-1.252	0	%100
68	M72B	Z	0	0	0	%100
69	M74A	X	-3.124	-3.124	0	%100
70	M74A	Z	0	0	0	%100
71	M69	X	-.706	-.706	0	%100
72	M69	Z	0	0	0	%100
73	M71	X	-.706	-.706	0	%100
74	M71	Z	0	0	0	%100
75	M75A	X	-.706	-.706	0	%100
76	M75A	Z	0	0	0	%100
77	M77A	X	-.706	-.706	0	%100
78	M77A	Z	0	0	0	%100
79	M79A	X	-.933	-.933	0	%100
80	M79A	Z	0	0	0	%100
81	M80B	X	-.933	-.933	0	%100
82	M80B	Z	0	0	0	%100
83	M81	X	0	0	0	%100
84	M81	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	M83	X	-2.807	-2.807	0	%100
88	M83	Z	0	0	0	%100
89	M84	X	-2.807	-2.807	0	%100
90	M84	Z	0	0	0	%100
91	M85	X	-2.807	-2.807	0	%100
92	M85	Z	0	0	0	%100
93	M86	X	-2.807	-2.807	0	%100
94	M86	Z	0	0	0	%100
95	M90	X	0	0	0	%100
96	M90	Z	0	0	0	%100
97	M96	X	-2.832	-2.832	0	%100
98	M96	Z	0	0	0	%100
99	M102	X	-2.832	-2.832	0	%100
100	M102	Z	0	0	0	%100
101	M109	X	-3.067	-3.067	0	%100
102	M109	Z	0	0	0	%100
103	M110	X	-3.067	-3.067	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	0	0	0	%100
107	M112	X	-2.096	-2.096	0	%100
108	M112	Z	0	0	0	%100
109	M113	X	-2.096	-2.096	0	%100
110	M113	Z	0	0	0	%100
111	M114	X	-.806	-.806	0	%100
112	M114	Z	0	0	0	%100
113	M115	X	-4.373	-4.373	0	%100
114	M115	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,%]
115	M116	X	-4.373	-4.373	0	%100
116	M116	Z	0	0	0	%100
117	M117	X	-.806	-.806	0	%100
118	M117	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	M40	X	-2.475	-2.475	0	%100
2	M40	Z	-1.429	-1.429	0	%100
3	M41	X	-2.475	-2.475	0	%100
4	M41	Z	-1.429	-1.429	0	%100
5	M42	X	0	0	0	%100
6	M42	Z	0	0	0	%100
7	M43	X	-2.424	-2.424	0	%100
8	M43	Z	-1.399	-1.399	0	%100
9	M37A	X	-.81	-.81	0	%100
10	M37A	Z	-.468	-.468	0	%100
11	M38A	X	-.81	-.81	0	%100
12	M38A	Z	-.468	-.468	0	%100
13	M39A	X	-3.241	-3.241	0	%100
14	M39A	Z	-1.871	-1.871	0	%100
15	MP5A	X	-2.955	-2.955	0	%100
16	MP5A	Z	-1.706	-1.706	0	%100
17	MP4A	X	-2.955	-2.955	0	%100
18	MP4A	Z	-1.706	-1.706	0	%100
19	MP3A	X	-2.955	-2.955	0	%100
20	MP3A	Z	-1.706	-1.706	0	%100
21	MP2A	X	-2.955	-2.955	0	%100
22	MP2A	Z	-1.706	-1.706	0	%100
23	MP1A	X	-2.955	-2.955	0	%100
24	MP1A	Z	-1.706	-1.706	0	%100
25	MP5C	X	-2.955	-2.955	0	%100
26	MP5C	Z	-1.706	-1.706	0	%100
27	MP4C	X	-2.955	-2.955	0	%100
28	MP4C	Z	-1.706	-1.706	0	%100
29	MP3C	X	-2.955	-2.955	0	%100
30	MP3C	Z	-1.706	-1.706	0	%100
31	MP2C	X	-2.955	-2.955	0	%100
32	MP2C	Z	-1.706	-1.706	0	%100
33	MP1C	X	-2.955	-2.955	0	%100
34	MP1C	Z	-1.706	-1.706	0	%100
35	MP5B	X	-2.955	-2.955	0	%100
36	MP5B	Z	-1.706	-1.706	0	%100
37	MP4B	X	-2.955	-2.955	0	%100
38	MP4B	Z	-1.706	-1.706	0	%100
39	MP3B	X	-2.955	-2.955	0	%100
40	MP3B	Z	-1.706	-1.706	0	%100
41	MP2B	X	-2.955	-2.955	0	%100
42	MP2B	Z	-1.706	-1.706	0	%100
43	MP1B	X	-2.955	-2.955	0	%100
44	MP1B	Z	-1.706	-1.706	0	%100
45	M61	X	0	0	0	%100
46	M61	Z	0	0	0	%100
47	M62	X	-2.488	-2.488	0	%100
48	M62	Z	-1.436	-1.436	0	%100
49	M63	X	-2.488	-2.488	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,%]
50	M63	Z	-1.436	-1.436	0	%100
51	M57	X	-2.488	-2.488	0	%100
52	M57	Z	-1.436	-1.436	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	0	0	0	%100
57	M60	X	-2.488	-2.488	0	%100
58	M60	Z	-1.436	-1.436	0	%100
59	M61A	X	-1.834	-1.834	0	%100
60	M61A	Z	-1.059	-1.059	0	%100
61	M63A	X	-1.834	-1.834	0	%100
62	M63A	Z	-1.059	-1.059	0	%100
63	M72A	X	-.361	-.361	0	%100
64	M72A	Z	-.209	-.209	0	%100
65	M71A	X	-.361	-.361	0	%100
66	M71A	Z	-.209	-.209	0	%100
67	M72B	X	-1.446	-1.446	0	%100
68	M72B	Z	-.835	-.835	0	%100
69	M74A	X	-2.706	-2.706	0	%100
70	M74A	Z	-1.562	-1.562	0	%100
71	M69	X	-1.834	-1.834	0	%100
72	M69	Z	-1.059	-1.059	0	%100
73	M71	X	-1.834	-1.834	0	%100
74	M71	Z	-1.059	-1.059	0	%100
75	M75A	X	0	0	0	%100
76	M75A	Z	0	0	0	%100
77	M77A	X	0	0	0	%100
78	M77A	Z	0	0	0	%100
79	M79A	X	-2.424	-2.424	0	%100
80	M79A	Z	-1.399	-1.399	0	%100
81	M80B	X	0	0	0	%100
82	M80B	Z	0	0	0	%100
83	M81	X	-.81	-.81	0	%100
84	M81	Z	-.468	-.468	0	%100
85	M82	X	-.81	-.81	0	%100
86	M82	Z	-.468	-.468	0	%100
87	M83	X	-.81	-.81	0	%100
88	M83	Z	-.468	-.468	0	%100
89	M84	X	-.81	-.81	0	%100
90	M84	Z	-.468	-.468	0	%100
91	M85	X	-3.241	-3.241	0	%100
92	M85	Z	-1.871	-1.871	0	%100
93	M86	X	-3.241	-3.241	0	%100
94	M86	Z	-1.871	-1.871	0	%100
95	M90	X	-.818	-.818	0	%100
96	M90	Z	-.472	-.472	0	%100
97	M96	X	-.818	-.818	0	%100
98	M96	Z	-.472	-.472	0	%100
99	M102	X	-3.27	-3.27	0	%100
100	M102	Z	-1.888	-1.888	0	%100
101	M109	X	-.885	-.885	0	%100
102	M109	Z	-.511	-.511	0	%100
103	M110	X	-3.541	-3.541	0	%100
104	M110	Z	-2.045	-2.045	0	%100
105	M111	X	-.885	-.885	0	%100
106	M111	Z	-.511	-.511	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,%]
107	M112	X	-3.502	-3.502	0	%100
108	M112	Z	-2.022	-2.022	0	%100
109	M113	X	-.413	-.413	0	%100
110	M113	Z	-.238	-.238	0	%100
111	M114	X	-.413	-.413	0	%100
112	M114	Z	-.238	-.238	0	%100
113	M115	X	-3.502	-3.502	0	%100
114	M115	Z	-2.022	-2.022	0	%100
115	M116	X	-2.386	-2.386	0	%100
116	M116	Z	-1.377	-1.377	0	%100
117	M117	X	-2.386	-2.386	0	%100
118	M117	Z	-1.377	-1.377	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	M40	X	-.476	-.476	0	%100
2	M40	Z	-.825	-.825	0	%100
3	M41	X	-1.905	-1.905	0	%100
4	M41	Z	-3.3	-3.3	0	%100
5	M42	X	-.476	-.476	0	%100
6	M42	Z	-.825	-.825	0	%100
7	M43	X	-.466	-.466	0	%100
8	M43	Z	-.808	-.808	0	%100
9	M37A	X	-1.404	-1.404	0	%100
10	M37A	Z	-2.431	-2.431	0	%100
11	M38A	X	0	0	0	%100
12	M38A	Z	0	0	0	%100
13	M39A	X	-1.404	-1.404	0	%100
14	M39A	Z	-2.431	-2.431	0	%100
15	MP5A	X	-1.706	-1.706	0	%100
16	MP5A	Z	-2.955	-2.955	0	%100
17	MP4A	X	-1.706	-1.706	0	%100
18	MP4A	Z	-2.955	-2.955	0	%100
19	MP3A	X	-1.706	-1.706	0	%100
20	MP3A	Z	-2.955	-2.955	0	%100
21	MP2A	X	-1.706	-1.706	0	%100
22	MP2A	Z	-2.955	-2.955	0	%100
23	MP1A	X	-1.706	-1.706	0	%100
24	MP1A	Z	-2.955	-2.955	0	%100
25	MP5C	X	-1.706	-1.706	0	%100
26	MP5C	Z	-2.955	-2.955	0	%100
27	MP4C	X	-1.706	-1.706	0	%100
28	MP4C	Z	-2.955	-2.955	0	%100
29	MP3C	X	-1.706	-1.706	0	%100
30	MP3C	Z	-2.955	-2.955	0	%100
31	MP2C	X	-1.706	-1.706	0	%100
32	MP2C	Z	-2.955	-2.955	0	%100
33	MP1C	X	-1.706	-1.706	0	%100
34	MP1C	Z	-2.955	-2.955	0	%100
35	MP5B	X	-1.706	-1.706	0	%100
36	MP5B	Z	-2.955	-2.955	0	%100
37	MP4B	X	-1.706	-1.706	0	%100
38	MP4B	Z	-2.955	-2.955	0	%100
39	MP3B	X	-1.706	-1.706	0	%100
40	MP3B	Z	-2.955	-2.955	0	%100
41	MP2B	X	-1.706	-1.706	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,%]
42	MP2B	Z	-2.955	-2.955	0	%100
43	MP1B	X	-1.706	-1.706	0	%100
44	MP1B	Z	-2.955	-2.955	0	%100
45	M61	X	-.476	-.476	0	%100
46	M61	Z	-.825	-.825	0	%100
47	M62	X	-.479	-.479	0	%100
48	M62	Z	-.829	-.829	0	%100
49	M63	X	-1.915	-1.915	0	%100
50	M63	Z	-3.317	-3.317	0	%100
51	M57	X	-1.915	-1.915	0	%100
52	M57	Z	-3.317	-3.317	0	%100
53	M58	X	-.479	-.479	0	%100
54	M58	Z	-.829	-.829	0	%100
55	M59	X	-.479	-.479	0	%100
56	M59	Z	-.829	-.829	0	%100
57	M60	X	-.479	-.479	0	%100
58	M60	Z	-.829	-.829	0	%100
59	M61A	X	-.353	-.353	0	%100
60	M61A	Z	-.611	-.611	0	%100
61	M63A	X	-.353	-.353	0	%100
62	M63A	Z	-.611	-.611	0	%100
63	M72A	X	-.626	-.626	0	%100
64	M72A	Z	-1.084	-1.084	0	%100
65	M71A	X	0	0	0	%100
66	M71A	Z	0	0	0	%100
67	M72B	X	-.626	-.626	0	%100
68	M72B	Z	-1.084	-1.084	0	%100
69	M74A	X	-1.562	-1.562	0	%100
70	M74A	Z	-2.706	-2.706	0	%100
71	M69	X	-1.412	-1.412	0	%100
72	M69	Z	-2.445	-2.445	0	%100
73	M71	X	-1.412	-1.412	0	%100
74	M71	Z	-2.445	-2.445	0	%100
75	M75A	X	-.353	-.353	0	%100
76	M75A	Z	-.611	-.611	0	%100
77	M77A	X	-.353	-.353	0	%100
78	M77A	Z	-.611	-.611	0	%100
79	M79A	X	-1.866	-1.866	0	%100
80	M79A	Z	-3.232	-3.232	0	%100
81	M80B	X	-.466	-.466	0	%100
82	M80B	Z	-.808	-.808	0	%100
83	M81	X	-1.404	-1.404	0	%100
84	M81	Z	-2.431	-2.431	0	%100
85	M82	X	-1.404	-1.404	0	%100
86	M82	Z	-2.431	-2.431	0	%100
87	M83	X	0	0	0	%100
88	M83	Z	0	0	0	%100
89	M84	X	0	0	0	%100
90	M84	Z	0	0	0	%100
91	M85	X	-1.404	-1.404	0	%100
92	M85	Z	-2.431	-2.431	0	%100
93	M86	X	-1.404	-1.404	0	%100
94	M86	Z	-2.431	-2.431	0	%100
95	M90	X	-1.416	-1.416	0	%100
96	M90	Z	-2.453	-2.453	0	%100
97	M96	X	0	0	0	%100
98	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
99	M102	X	-1.416	-1.416	0	%100
100	M102	Z	-2.453	-2.453	0	%100
101	M109	X	0	0	0	%100
102	M109	Z	0	0	0	%100
103	M110	X	-1.533	-1.533	0	%100
104	M110	Z	-2.656	-2.656	0	%100
105	M111	X	-1.533	-1.533	0	%100
106	M111	Z	-2.656	-2.656	0	%100
107	M112	X	-2.187	-2.187	0	%100
108	M112	Z	-3.787	-3.787	0	%100
109	M113	X	-.403	-.403	0	%100
110	M113	Z	-.698	-.698	0	%100
111	M114	X	-1.048	-1.048	0	%100
112	M114	Z	-1.815	-1.815	0	%100
113	M115	X	-1.048	-1.048	0	%100
114	M115	Z	-1.815	-1.815	0	%100
115	M116	X	-.403	-.403	0	%100
116	M116	Z	-.698	-.698	0	%100
117	M117	X	-2.187	-2.187	0	%100
118	M117	Z	-3.787	-3.787	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	M40	X	0	0	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	-.573	-.573	0	%100
5	M42	X	0	0	0	%100
6	M42	Z	-.573	-.573	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M37A	X	0	0	0	%100
10	M37A	Z	-.752	-.752	0	%100
11	M38A	X	0	0	0	%100
12	M38A	Z	-.188	-.188	0	%100
13	M39A	X	0	0	0	%100
14	M39A	Z	-.188	-.188	0	%100
15	MP5A	X	0	0	0	%100
16	MP5A	Z	-.621	-.621	0	%100
17	MP4A	X	0	0	0	%100
18	MP4A	Z	-.621	-.621	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	-.621	-.621	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-.621	-.621	0	%100
23	MP1A	X	0	0	0	%100
24	MP1A	Z	-.621	-.621	0	%100
25	MP5C	X	0	0	0	%100
26	MP5C	Z	-.621	-.621	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	-.621	-.621	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	-.621	-.621	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-.621	-.621	0	%100
33	MP1C	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,%]
34	MP1C	Z	-.621	-.621	0	%100
35	MP5B	X	0	0	0	%100
36	MP5B	Z	-.621	-.621	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	-.621	-.621	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	-.621	-.621	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	-.621	-.621	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	-.621	-.621	0	%100
45	M61	X	0	0	0	%100
46	M61	Z	-.573	-.573	0	%100
47	M62	X	0	0	0	%100
48	M62	Z	0	0	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	-.664	-.664	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	-.664	-.664	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	-.664	-.664	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	-.664	-.664	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61A	X	0	0	0	%100
60	M61A	Z	0	0	0	%100
61	M63A	X	0	0	0	%100
62	M63A	Z	0	0	0	%100
63	M72A	X	0	0	0	%100
64	M72A	Z	-.197	-.197	0	%100
65	M71A	X	0	0	0	%100
66	M71A	Z	-.049	-.049	0	%100
67	M72B	X	0	0	0	%100
68	M72B	Z	-.049	-.049	0	%100
69	M74A	X	0	0	0	%100
70	M74A	Z	-.566	-.566	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	-.463	-.463	0	%100
73	M71	X	0	0	0	%100
74	M71	Z	-.463	-.463	0	%100
75	M75A	X	0	0	0	%100
76	M75A	Z	-.463	-.463	0	%100
77	M77A	X	0	0	0	%100
78	M77A	Z	-.463	-.463	0	%100
79	M79A	X	0	0	0	%100
80	M79A	Z	-.556	-.556	0	%100
81	M80B	X	0	0	0	%100
82	M80B	Z	-.556	-.556	0	%100
83	M81	X	0	0	0	%100
84	M81	Z	-.752	-.752	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	-.752	-.752	0	%100
87	M83	X	0	0	0	%100
88	M83	Z	-.188	-.188	0	%100
89	M84	X	0	0	0	%100
90	M84	Z	-.188	-.188	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,%]
91	M85	X	0	0	0	%100
92	M85	Z	-.188	-.188	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	-.188	-.188	0	%100
95	M90	X	0	0	0	%100
96	M90	Z	-.752	-.752	0	%100
97	M96	X	0	0	0	%100
98	M96	Z	-.188	-.188	0	%100
99	M102	X	0	0	0	%100
100	M102	Z	-.188	-.188	0	%100
101	M109	X	0	0	0	%100
102	M109	Z	-.248	-.248	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	-.248	-.248	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	-.993	-.993	0	%100
107	M112	X	0	0	0	%100
108	M112	Z	-.631	-.631	0	%100
109	M113	X	0	0	0	%100
110	M113	Z	-.631	-.631	0	%100
111	M114	X	0	0	0	%100
112	M114	Z	-.926	-.926	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	-.109	-.109	0	%100
115	M116	X	0	0	0	%100
116	M116	Z	-.109	-.109	0	%100
117	M117	X	0	0	0	%100
118	M117	Z	-.926	-.926	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	M40	X	.096	.096	0	%100
2	M40	Z	-.165	-.165	0	%100
3	M41	X	.096	.096	0	%100
4	M41	Z	-.165	-.165	0	%100
5	M42	X	.382	.382	0	%100
6	M42	Z	-.662	-.662	0	%100
7	M43	X	.093	.093	0	%100
8	M43	Z	-.16	-.16	0	%100
9	M37A	X	.282	.282	0	%100
10	M37A	Z	-.488	-.488	0	%100
11	M38A	X	.282	.282	0	%100
12	M38A	Z	-.488	-.488	0	%100
13	M39A	X	0	0	0	%100
14	M39A	Z	0	0	0	%100
15	MP5A	X	.311	.311	0	%100
16	MP5A	Z	-.538	-.538	0	%100
17	MP4A	X	.311	.311	0	%100
18	MP4A	Z	-.538	-.538	0	%100
19	MP3A	X	.311	.311	0	%100
20	MP3A	Z	-.538	-.538	0	%100
21	MP2A	X	.311	.311	0	%100
22	MP2A	Z	-.538	-.538	0	%100
23	MP1A	X	.311	.311	0	%100
24	MP1A	Z	-.538	-.538	0	%100
25	MP5C	X	.311	.311	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,%]
26	MP5C	Z	-.538	-.538	0	%100
27	MP4C	X	.311	.311	0	%100
28	MP4C	Z	-.538	-.538	0	%100
29	MP3C	X	.311	.311	0	%100
30	MP3C	Z	-.538	-.538	0	%100
31	MP2C	X	.311	.311	0	%100
32	MP2C	Z	-.538	-.538	0	%100
33	MP1C	X	.311	.311	0	%100
34	MP1C	Z	-.538	-.538	0	%100
35	MP5B	X	.311	.311	0	%100
36	MP5B	Z	-.538	-.538	0	%100
37	MP4B	X	.311	.311	0	%100
38	MP4B	Z	-.538	-.538	0	%100
39	MP3B	X	.311	.311	0	%100
40	MP3B	Z	-.538	-.538	0	%100
41	MP2B	X	.311	.311	0	%100
42	MP2B	Z	-.538	-.538	0	%100
43	MP1B	X	.311	.311	0	%100
44	MP1B	Z	-.538	-.538	0	%100
45	M61	X	.382	.382	0	%100
46	M61	Z	-.662	-.662	0	%100
47	M62	X	.111	.111	0	%100
48	M62	Z	-.192	-.192	0	%100
49	M63	X	.111	.111	0	%100
50	M63	Z	-.192	-.192	0	%100
51	M57	X	.111	.111	0	%100
52	M57	Z	-.192	-.192	0	%100
53	M58	X	.443	.443	0	%100
54	M58	Z	-.767	-.767	0	%100
55	M59	X	.443	.443	0	%100
56	M59	Z	-.767	-.767	0	%100
57	M60	X	.111	.111	0	%100
58	M60	Z	-.192	-.192	0	%100
59	M61A	X	.077	.077	0	%100
60	M61A	Z	-.134	-.134	0	%100
61	M63A	X	.077	.077	0	%100
62	M63A	Z	-.134	-.134	0	%100
63	M72A	X	.074	.074	0	%100
64	M72A	Z	-.128	-.128	0	%100
65	M71A	X	.074	.074	0	%100
66	M71A	Z	-.128	-.128	0	%100
67	M72B	X	0	0	0	%100
68	M72B	Z	0	0	0	%100
69	M74A	X	.283	.283	0	%100
70	M74A	Z	-.49	-.49	0	%100
71	M69	X	.077	.077	0	%100
72	M69	Z	-.134	-.134	0	%100
73	M71	X	.077	.077	0	%100
74	M71	Z	-.134	-.134	0	%100
75	M75A	X	.309	.309	0	%100
76	M75A	Z	-.535	-.535	0	%100
77	M77A	X	.309	.309	0	%100
78	M77A	Z	-.535	-.535	0	%100
79	M79A	X	.093	.093	0	%100
80	M79A	Z	-.16	-.16	0	%100
81	M80B	X	.371	.371	0	%100
82	M80B	Z	-.642	-.642	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,%]
83	M81	X	.282	.282	0	%100
84	M81	Z	-.488	-.488	0	%100
85	M82	X	.282	.282	0	%100
86	M82	Z	-.488	-.488	0	%100
87	M83	X	.282	.282	0	%100
88	M83	Z	-.488	-.488	0	%100
89	M84	X	.282	.282	0	%100
90	M84	Z	-.488	-.488	0	%100
91	M85	X	0	0	0	%100
92	M85	Z	0	0	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	0	0	0	%100
95	M90	X	.282	.282	0	%100
96	M90	Z	-.488	-.488	0	%100
97	M96	X	.282	.282	0	%100
98	M96	Z	-.488	-.488	0	%100
99	M102	X	0	0	0	%100
100	M102	Z	0	0	0	%100
101	M109	X	.372	.372	0	%100
102	M109	Z	-.645	-.645	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	.372	.372	0	%100
106	M111	Z	-.645	-.645	0	%100
107	M112	X	.092	.092	0	%100
108	M112	Z	-.16	-.16	0	%100
109	M113	X	.501	.501	0	%100
110	M113	Z	-.867	-.867	0	%100
111	M114	X	.501	.501	0	%100
112	M114	Z	-.867	-.867	0	%100
113	M115	X	.092	.092	0	%100
114	M115	Z	-.16	-.16	0	%100
115	M116	X	.24	.24	0	%100
116	M116	Z	-.416	-.416	0	%100
117	M117	X	.24	.24	0	%100
118	M117	Z	-.416	-.416	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	M40	X	.496	.496	0	%100
2	M40	Z	-.287	-.287	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	.496	.496	0	%100
6	M42	Z	-.287	-.287	0	%100
7	M43	X	.481	.481	0	%100
8	M43	Z	-.278	-.278	0	%100
9	M37A	X	.163	.163	0	%100
10	M37A	Z	-.094	-.094	0	%100
11	M38A	X	.651	.651	0	%100
12	M38A	Z	-.376	-.376	0	%100
13	M39A	X	.163	.163	0	%100
14	M39A	Z	-.094	-.094	0	%100
15	MP5A	X	.538	.538	0	%100
16	MP5A	Z	-.311	-.311	0	%100
17	MP4A	X	.538	.538	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,%]
18	MP4A	Z	-.311	-.311	0	%100
19	MP3A	X	.538	.538	0	%100
20	MP3A	Z	-.311	-.311	0	%100
21	MP2A	X	.538	.538	0	%100
22	MP2A	Z	-.311	-.311	0	%100
23	MP1A	X	.538	.538	0	%100
24	MP1A	Z	-.311	-.311	0	%100
25	MP5C	X	.538	.538	0	%100
26	MP5C	Z	-.311	-.311	0	%100
27	MP4C	X	.538	.538	0	%100
28	MP4C	Z	-.311	-.311	0	%100
29	MP3C	X	.538	.538	0	%100
30	MP3C	Z	-.311	-.311	0	%100
31	MP2C	X	.538	.538	0	%100
32	MP2C	Z	-.311	-.311	0	%100
33	MP1C	X	.538	.538	0	%100
34	MP1C	Z	-.311	-.311	0	%100
35	MP5B	X	.538	.538	0	%100
36	MP5B	Z	-.311	-.311	0	%100
37	MP4B	X	.538	.538	0	%100
38	MP4B	Z	-.311	-.311	0	%100
39	MP3B	X	.538	.538	0	%100
40	MP3B	Z	-.311	-.311	0	%100
41	MP2B	X	.538	.538	0	%100
42	MP2B	Z	-.311	-.311	0	%100
43	MP1B	X	.538	.538	0	%100
44	MP1B	Z	-.311	-.311	0	%100
45	M61	X	.496	.496	0	%100
46	M61	Z	-.287	-.287	0	%100
47	M62	X	.575	.575	0	%100
48	M62	Z	-.332	-.332	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	0	0	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	.575	.575	0	%100
54	M58	Z	-.332	-.332	0	%100
55	M59	X	.575	.575	0	%100
56	M59	Z	-.332	-.332	0	%100
57	M60	X	.575	.575	0	%100
58	M60	Z	-.332	-.332	0	%100
59	M61A	X	.401	.401	0	%100
60	M61A	Z	-.232	-.232	0	%100
61	M63A	X	.401	.401	0	%100
62	M63A	Z	-.232	-.232	0	%100
63	M72A	X	.043	.043	0	%100
64	M72A	Z	-.025	-.025	0	%100
65	M71A	X	.171	.171	0	%100
66	M71A	Z	-.099	-.099	0	%100
67	M72B	X	.043	.043	0	%100
68	M72B	Z	-.025	-.025	0	%100
69	M74A	X	.49	.49	0	%100
70	M74A	Z	-.283	-.283	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	0	0	0	%100
73	M71	X	0	0	0	%100
74	M71	Z	0	0	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,%]
75	M75A	X	.401	.401	0	%100
76	M75A	Z	-.232	-.232	0	%100
77	M77A	X	.401	.401	0	%100
78	M77A	Z	-.232	-.232	0	%100
79	M79A	X	0	0	0	%100
80	M79A	Z	0	0	0	%100
81	M80B	X	.481	.481	0	%100
82	M80B	Z	-.278	-.278	0	%100
83	M81	X	.163	.163	0	%100
84	M81	Z	-.094	-.094	0	%100
85	M82	X	.163	.163	0	%100
86	M82	Z	-.094	-.094	0	%100
87	M83	X	.651	.651	0	%100
88	M83	Z	-.376	-.376	0	%100
89	M84	X	.651	.651	0	%100
90	M84	Z	-.376	-.376	0	%100
91	M85	X	.163	.163	0	%100
92	M85	Z	-.094	-.094	0	%100
93	M86	X	.163	.163	0	%100
94	M86	Z	-.094	-.094	0	%100
95	M90	X	.163	.163	0	%100
96	M90	Z	-.094	-.094	0	%100
97	M96	X	.651	.651	0	%100
98	M96	Z	-.376	-.376	0	%100
99	M102	X	.163	.163	0	%100
100	M102	Z	-.094	-.094	0	%100
101	M109	X	.86	.86	0	%100
102	M109	Z	-.496	-.496	0	%100
103	M110	X	.215	.215	0	%100
104	M110	Z	-.124	-.124	0	%100
105	M111	X	.215	.215	0	%100
106	M111	Z	-.124	-.124	0	%100
107	M112	X	.095	.095	0	%100
108	M112	Z	-.055	-.055	0	%100
109	M113	X	.802	.802	0	%100
110	M113	Z	-.463	-.463	0	%100
111	M114	X	.546	.546	0	%100
112	M114	Z	-.315	-.315	0	%100
113	M115	X	.546	.546	0	%100
114	M115	Z	-.315	-.315	0	%100
115	M116	X	.802	.802	0	%100
116	M116	Z	-.463	-.463	0	%100
117	M117	X	.095	.095	0	%100
118	M117	Z	-.055	-.055	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	M40	X	.764	.764	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	.191	.191	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	.191	.191	0	%100
6	M42	Z	0	0	0	%100
7	M43	X	.741	.741	0	%100
8	M43	Z	0	0	0	%100
9	M37A	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,%]
10	M37A	Z	0	0	0	%100
11	M38A	X	.564	.564	0	%100
12	M38A	Z	0	0	0	%100
13	M39A	X	.564	.564	0	%100
14	M39A	Z	0	0	0	%100
15	MP5A	X	.621	.621	0	%100
16	MP5A	Z	0	0	0	%100
17	MP4A	X	.621	.621	0	%100
18	MP4A	Z	0	0	0	%100
19	MP3A	X	.621	.621	0	%100
20	MP3A	Z	0	0	0	%100
21	MP2A	X	.621	.621	0	%100
22	MP2A	Z	0	0	0	%100
23	MP1A	X	.621	.621	0	%100
24	MP1A	Z	0	0	0	%100
25	MP5C	X	.621	.621	0	%100
26	MP5C	Z	0	0	0	%100
27	MP4C	X	.621	.621	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	.621	.621	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	.621	.621	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	.621	.621	0	%100
34	MP1C	Z	0	0	0	%100
35	MP5B	X	.621	.621	0	%100
36	MP5B	Z	0	0	0	%100
37	MP4B	X	.621	.621	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	.621	.621	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	.621	.621	0	%100
42	MP2B	Z	0	0	0	%100
43	MP1B	X	.621	.621	0	%100
44	MP1B	Z	0	0	0	%100
45	M61	X	.191	.191	0	%100
46	M61	Z	0	0	0	%100
47	M62	X	.886	.886	0	%100
48	M62	Z	0	0	0	%100
49	M63	X	.221	.221	0	%100
50	M63	Z	0	0	0	%100
51	M57	X	.221	.221	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	.221	.221	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	.221	.221	0	%100
56	M59	Z	0	0	0	%100
57	M60	X	.886	.886	0	%100
58	M60	Z	0	0	0	%100
59	M61A	X	.618	.618	0	%100
60	M61A	Z	0	0	0	%100
61	M63A	X	.618	.618	0	%100
62	M63A	Z	0	0	0	%100
63	M72A	X	0	0	0	%100
64	M72A	Z	0	0	0	%100
65	M71A	X	.148	.148	0	%100
66	M71A	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,%]
67	M72B	X	.148	.148	0	%100
68	M72B	Z	0	0	0	%100
69	M74A	X	.566	.566	0	%100
70	M74A	Z	0	0	0	%100
71	M69	X	.154	.154	0	%100
72	M69	Z	0	0	0	%100
73	M71	X	.154	.154	0	%100
74	M71	Z	0	0	0	%100
75	M75A	X	.154	.154	0	%100
76	M75A	Z	0	0	0	%100
77	M77A	X	.154	.154	0	%100
78	M77A	Z	0	0	0	%100
79	M79A	X	.185	.185	0	%100
80	M79A	Z	0	0	0	%100
81	M80B	X	.185	.185	0	%100
82	M80B	Z	0	0	0	%100
83	M81	X	0	0	0	%100
84	M81	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	M83	X	.564	.564	0	%100
88	M83	Z	0	0	0	%100
89	M84	X	.564	.564	0	%100
90	M84	Z	0	0	0	%100
91	M85	X	.564	.564	0	%100
92	M85	Z	0	0	0	%100
93	M86	X	.564	.564	0	%100
94	M86	Z	0	0	0	%100
95	M90	X	0	0	0	%100
96	M90	Z	0	0	0	%100
97	M96	X	.564	.564	0	%100
98	M96	Z	0	0	0	%100
99	M102	X	.564	.564	0	%100
100	M102	Z	0	0	0	%100
101	M109	X	.745	.745	0	%100
102	M109	Z	0	0	0	%100
103	M110	X	.745	.745	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	0	0	0	%100
107	M112	X	.48	.48	0	%100
108	M112	Z	0	0	0	%100
109	M113	X	.48	.48	0	%100
110	M113	Z	0	0	0	%100
111	M114	X	.185	.185	0	%100
112	M114	Z	0	0	0	%100
113	M115	X	1.001	1.001	0	%100
114	M115	Z	0	0	0	%100
115	M116	X	1.001	1.001	0	%100
116	M116	Z	0	0	0	%100
117	M117	X	.185	.185	0	%100
118	M117	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	M40	X	.496	.496	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,%]
2	M40	Z	.287	.287	0	%100
3	M41	X	.496	.496	0	%100
4	M41	Z	.287	.287	0	%100
5	M42	X	0	0	0	%100
6	M42	Z	0	0	0	%100
7	M43	X	.481	.481	0	%100
8	M43	Z	.278	.278	0	%100
9	M37A	X	.163	.163	0	%100
10	M37A	Z	.094	.094	0	%100
11	M38A	X	.163	.163	0	%100
12	M38A	Z	.094	.094	0	%100
13	M39A	X	.651	.651	0	%100
14	M39A	Z	.376	.376	0	%100
15	MP5A	X	.538	.538	0	%100
16	MP5A	Z	.311	.311	0	%100
17	MP4A	X	.538	.538	0	%100
18	MP4A	Z	.311	.311	0	%100
19	MP3A	X	.538	.538	0	%100
20	MP3A	Z	.311	.311	0	%100
21	MP2A	X	.538	.538	0	%100
22	MP2A	Z	.311	.311	0	%100
23	MP1A	X	.538	.538	0	%100
24	MP1A	Z	.311	.311	0	%100
25	MP5C	X	.538	.538	0	%100
26	MP5C	Z	.311	.311	0	%100
27	MP4C	X	.538	.538	0	%100
28	MP4C	Z	.311	.311	0	%100
29	MP3C	X	.538	.538	0	%100
30	MP3C	Z	.311	.311	0	%100
31	MP2C	X	.538	.538	0	%100
32	MP2C	Z	.311	.311	0	%100
33	MP1C	X	.538	.538	0	%100
34	MP1C	Z	.311	.311	0	%100
35	MP5B	X	.538	.538	0	%100
36	MP5B	Z	.311	.311	0	%100
37	MP4B	X	.538	.538	0	%100
38	MP4B	Z	.311	.311	0	%100
39	MP3B	X	.538	.538	0	%100
40	MP3B	Z	.311	.311	0	%100
41	MP2B	X	.538	.538	0	%100
42	MP2B	Z	.311	.311	0	%100
43	MP1B	X	.538	.538	0	%100
44	MP1B	Z	.311	.311	0	%100
45	M61	X	0	0	0	%100
46	M61	Z	0	0	0	%100
47	M62	X	.575	.575	0	%100
48	M62	Z	.332	.332	0	%100
49	M63	X	.575	.575	0	%100
50	M63	Z	.332	.332	0	%100
51	M57	X	.575	.575	0	%100
52	M57	Z	.332	.332	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	0	0	0	%100
57	M60	X	.575	.575	0	%100
58	M60	Z	.332	.332	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,%]
59	M61A	X	.401	.401	0	%100
60	M61A	Z	.232	.232	0	%100
61	M63A	X	.401	.401	0	%100
62	M63A	Z	.232	.232	0	%100
63	M72A	X	.043	.043	0	%100
64	M72A	Z	.025	.025	0	%100
65	M71A	X	.043	.043	0	%100
66	M71A	Z	.025	.025	0	%100
67	M72B	X	.171	.171	0	%100
68	M72B	Z	.099	.099	0	%100
69	M74A	X	.49	.49	0	%100
70	M74A	Z	.283	.283	0	%100
71	M69	X	.401	.401	0	%100
72	M69	Z	.232	.232	0	%100
73	M71	X	.401	.401	0	%100
74	M71	Z	.232	.232	0	%100
75	M75A	X	0	0	0	%100
76	M75A	Z	0	0	0	%100
77	M77A	X	0	0	0	%100
78	M77A	Z	0	0	0	%100
79	M79A	X	.481	.481	0	%100
80	M79A	Z	.278	.278	0	%100
81	M80B	X	0	0	0	%100
82	M80B	Z	0	0	0	%100
83	M81	X	.163	.163	0	%100
84	M81	Z	.094	.094	0	%100
85	M82	X	.163	.163	0	%100
86	M82	Z	.094	.094	0	%100
87	M83	X	.163	.163	0	%100
88	M83	Z	.094	.094	0	%100
89	M84	X	.163	.163	0	%100
90	M84	Z	.094	.094	0	%100
91	M85	X	.651	.651	0	%100
92	M85	Z	.376	.376	0	%100
93	M86	X	.651	.651	0	%100
94	M86	Z	.376	.376	0	%100
95	M90	X	.163	.163	0	%100
96	M90	Z	.094	.094	0	%100
97	M96	X	.163	.163	0	%100
98	M96	Z	.094	.094	0	%100
99	M102	X	.651	.651	0	%100
100	M102	Z	.376	.376	0	%100
101	M109	X	.215	.215	0	%100
102	M109	Z	.124	.124	0	%100
103	M110	X	.86	.86	0	%100
104	M110	Z	.496	.496	0	%100
105	M111	X	.215	.215	0	%100
106	M111	Z	.124	.124	0	%100
107	M112	X	.802	.802	0	%100
108	M112	Z	.463	.463	0	%100
109	M113	X	.095	.095	0	%100
110	M113	Z	.055	.055	0	%100
111	M114	X	.095	.095	0	%100
112	M114	Z	.055	.055	0	%100
113	M115	X	.802	.802	0	%100
114	M115	Z	.463	.463	0	%100
115	M116	X	.546	.546	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,%]
116	M116	Z	.315	.315	0	%100
117	M117	X	.546	.546	0	%100
118	M117	Z	.315	.315	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	M40	X	.096	.096	0	%100
2	M40	Z	.165	.165	0	%100
3	M41	X	.382	.382	0	%100
4	M41	Z	.662	.662	0	%100
5	M42	X	.096	.096	0	%100
6	M42	Z	.165	.165	0	%100
7	M43	X	.093	.093	0	%100
8	M43	Z	.16	.16	0	%100
9	M37A	X	.282	.282	0	%100
10	M37A	Z	.488	.488	0	%100
11	M38A	X	0	0	0	%100
12	M38A	Z	0	0	0	%100
13	M39A	X	.282	.282	0	%100
14	M39A	Z	.488	.488	0	%100
15	MP5A	X	.311	.311	0	%100
16	MP5A	Z	.538	.538	0	%100
17	MP4A	X	.311	.311	0	%100
18	MP4A	Z	.538	.538	0	%100
19	MP3A	X	.311	.311	0	%100
20	MP3A	Z	.538	.538	0	%100
21	MP2A	X	.311	.311	0	%100
22	MP2A	Z	.538	.538	0	%100
23	MP1A	X	.311	.311	0	%100
24	MP1A	Z	.538	.538	0	%100
25	MP5C	X	.311	.311	0	%100
26	MP5C	Z	.538	.538	0	%100
27	MP4C	X	.311	.311	0	%100
28	MP4C	Z	.538	.538	0	%100
29	MP3C	X	.311	.311	0	%100
30	MP3C	Z	.538	.538	0	%100
31	MP2C	X	.311	.311	0	%100
32	MP2C	Z	.538	.538	0	%100
33	MP1C	X	.311	.311	0	%100
34	MP1C	Z	.538	.538	0	%100
35	MP5B	X	.311	.311	0	%100
36	MP5B	Z	.538	.538	0	%100
37	MP4B	X	.311	.311	0	%100
38	MP4B	Z	.538	.538	0	%100
39	MP3B	X	.311	.311	0	%100
40	MP3B	Z	.538	.538	0	%100
41	MP2B	X	.311	.311	0	%100
42	MP2B	Z	.538	.538	0	%100
43	MP1B	X	.311	.311	0	%100
44	MP1B	Z	.538	.538	0	%100
45	M61	X	.096	.096	0	%100
46	M61	Z	.165	.165	0	%100
47	M62	X	.111	.111	0	%100
48	M62	Z	.192	.192	0	%100
49	M63	X	.443	.443	0	%100
50	M63	Z	.767	.767	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,%]
51	M57	X	.443	.443	0	%100
52	M57	Z	.767	.767	0	%100
53	M58	X	.111	.111	0	%100
54	M58	Z	.192	.192	0	%100
55	M59	X	.111	.111	0	%100
56	M59	Z	.192	.192	0	%100
57	M60	X	.111	.111	0	%100
58	M60	Z	.192	.192	0	%100
59	M61A	X	.077	.077	0	%100
60	M61A	Z	.134	.134	0	%100
61	M63A	X	.077	.077	0	%100
62	M63A	Z	.134	.134	0	%100
63	M72A	X	.074	.074	0	%100
64	M72A	Z	.128	.128	0	%100
65	M71A	X	0	0	0	%100
66	M71A	Z	0	0	0	%100
67	M72B	X	.074	.074	0	%100
68	M72B	Z	.128	.128	0	%100
69	M74A	X	.283	.283	0	%100
70	M74A	Z	.49	.49	0	%100
71	M69	X	.309	.309	0	%100
72	M69	Z	.535	.535	0	%100
73	M71	X	.309	.309	0	%100
74	M71	Z	.535	.535	0	%100
75	M75A	X	.077	.077	0	%100
76	M75A	Z	.134	.134	0	%100
77	M77A	X	.077	.077	0	%100
78	M77A	Z	.134	.134	0	%100
79	M79A	X	.371	.371	0	%100
80	M79A	Z	.642	.642	0	%100
81	M80B	X	.093	.093	0	%100
82	M80B	Z	.16	.16	0	%100
83	M81	X	.282	.282	0	%100
84	M81	Z	.488	.488	0	%100
85	M82	X	.282	.282	0	%100
86	M82	Z	.488	.488	0	%100
87	M83	X	0	0	0	%100
88	M83	Z	0	0	0	%100
89	M84	X	0	0	0	%100
90	M84	Z	0	0	0	%100
91	M85	X	.282	.282	0	%100
92	M85	Z	.488	.488	0	%100
93	M86	X	.282	.282	0	%100
94	M86	Z	.488	.488	0	%100
95	M90	X	.282	.282	0	%100
96	M90	Z	.488	.488	0	%100
97	M96	X	0	0	0	%100
98	M96	Z	0	0	0	%100
99	M102	X	.282	.282	0	%100
100	M102	Z	.488	.488	0	%100
101	M109	X	0	0	0	%100
102	M109	Z	0	0	0	%100
103	M110	X	.372	.372	0	%100
104	M110	Z	.645	.645	0	%100
105	M111	X	.372	.372	0	%100
106	M111	Z	.645	.645	0	%100
107	M112	X	.501	.501	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,%]
108	M112	Z	.867	.867	0	%100
109	M113	X	.092	.092	0	%100
110	M113	Z	.16	.16	0	%100
111	M114	X	.24	.24	0	%100
112	M114	Z	.416	.416	0	%100
113	M115	X	.24	.24	0	%100
114	M115	Z	.416	.416	0	%100
115	M116	X	.092	.092	0	%100
116	M116	Z	.16	.16	0	%100
117	M117	X	.501	.501	0	%100
118	M117	Z	.867	.867	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	M40	X	0	0	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	.573	.573	0	%100
5	M42	X	0	0	0	%100
6	M42	Z	.573	.573	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M37A	X	0	0	0	%100
10	M37A	Z	.752	.752	0	%100
11	M38A	X	0	0	0	%100
12	M38A	Z	.188	.188	0	%100
13	M39A	X	0	0	0	%100
14	M39A	Z	.188	.188	0	%100
15	MP5A	X	0	0	0	%100
16	MP5A	Z	.621	.621	0	%100
17	MP4A	X	0	0	0	%100
18	MP4A	Z	.621	.621	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	.621	.621	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	.621	.621	0	%100
23	MP1A	X	0	0	0	%100
24	MP1A	Z	.621	.621	0	%100
25	MP5C	X	0	0	0	%100
26	MP5C	Z	.621	.621	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	.621	.621	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	.621	.621	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	.621	.621	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	.621	.621	0	%100
35	MP5B	X	0	0	0	%100
36	MP5B	Z	.621	.621	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	.621	.621	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	.621	.621	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	.621	.621	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,%]
43	MP1B	X	0	0	0	%100
44	MP1B	Z	.621	.621	0	%100
45	M61	X	0	0	0	%100
46	M61	Z	.573	.573	0	%100
47	M62	X	0	0	0	%100
48	M62	Z	0	0	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	.664	.664	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	.664	.664	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	.664	.664	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	.664	.664	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61A	X	0	0	0	%100
60	M61A	Z	0	0	0	%100
61	M63A	X	0	0	0	%100
62	M63A	Z	0	0	0	%100
63	M72A	X	0	0	0	%100
64	M72A	Z	.197	.197	0	%100
65	M71A	X	0	0	0	%100
66	M71A	Z	.049	.049	0	%100
67	M72B	X	0	0	0	%100
68	M72B	Z	.049	.049	0	%100
69	M74A	X	0	0	0	%100
70	M74A	Z	.566	.566	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	.463	.463	0	%100
73	M71	X	0	0	0	%100
74	M71	Z	.463	.463	0	%100
75	M75A	X	0	0	0	%100
76	M75A	Z	.463	.463	0	%100
77	M77A	X	0	0	0	%100
78	M77A	Z	.463	.463	0	%100
79	M79A	X	0	0	0	%100
80	M79A	Z	.556	.556	0	%100
81	M80B	X	0	0	0	%100
82	M80B	Z	.556	.556	0	%100
83	M81	X	0	0	0	%100
84	M81	Z	.752	.752	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	.752	.752	0	%100
87	M83	X	0	0	0	%100
88	M83	Z	.188	.188	0	%100
89	M84	X	0	0	0	%100
90	M84	Z	.188	.188	0	%100
91	M85	X	0	0	0	%100
92	M85	Z	.188	.188	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	.188	.188	0	%100
95	M90	X	0	0	0	%100
96	M90	Z	.752	.752	0	%100
97	M96	X	0	0	0	%100
98	M96	Z	.188	.188	0	%100
99	M102	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,%]
100	M102	Z	.188	.188	0	%100
101	M109	X	0	0	0	%100
102	M109	Z	.248	.248	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	.248	.248	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	.993	.993	0	%100
107	M112	X	0	0	0	%100
108	M112	Z	.631	.631	0	%100
109	M113	X	0	0	0	%100
110	M113	Z	.631	.631	0	%100
111	M114	X	0	0	0	%100
112	M114	Z	.926	.926	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	.109	.109	0	%100
115	M116	X	0	0	0	%100
116	M116	Z	.109	.109	0	%100
117	M117	X	0	0	0	%100
118	M117	Z	.926	.926	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	M40	X	-.096	-.096	0	%100
2	M40	Z	.165	.165	0	%100
3	M41	X	-.096	-.096	0	%100
4	M41	Z	.165	.165	0	%100
5	M42	X	-.382	-.382	0	%100
6	M42	Z	.662	.662	0	%100
7	M43	X	-.093	-.093	0	%100
8	M43	Z	.16	.16	0	%100
9	M37A	X	-.282	-.282	0	%100
10	M37A	Z	.488	.488	0	%100
11	M38A	X	-.282	-.282	0	%100
12	M38A	Z	.488	.488	0	%100
13	M39A	X	0	0	0	%100
14	M39A	Z	0	0	0	%100
15	MP5A	X	-.311	-.311	0	%100
16	MP5A	Z	.538	.538	0	%100
17	MP4A	X	-.311	-.311	0	%100
18	MP4A	Z	.538	.538	0	%100
19	MP3A	X	-.311	-.311	0	%100
20	MP3A	Z	.538	.538	0	%100
21	MP2A	X	-.311	-.311	0	%100
22	MP2A	Z	.538	.538	0	%100
23	MP1A	X	-.311	-.311	0	%100
24	MP1A	Z	.538	.538	0	%100
25	MP5C	X	-.311	-.311	0	%100
26	MP5C	Z	.538	.538	0	%100
27	MP4C	X	-.311	-.311	0	%100
28	MP4C	Z	.538	.538	0	%100
29	MP3C	X	-.311	-.311	0	%100
30	MP3C	Z	.538	.538	0	%100
31	MP2C	X	-.311	-.311	0	%100
32	MP2C	Z	.538	.538	0	%100
33	MP1C	X	-.311	-.311	0	%100
34	MP1C	Z	.538	.538	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,%]
35	MP5B	X	-.311	-.311	0	%100
36	MP5B	Z	.538	.538	0	%100
37	MP4B	X	-.311	-.311	0	%100
38	MP4B	Z	.538	.538	0	%100
39	MP3B	X	-.311	-.311	0	%100
40	MP3B	Z	.538	.538	0	%100
41	MP2B	X	-.311	-.311	0	%100
42	MP2B	Z	.538	.538	0	%100
43	MP1B	X	-.311	-.311	0	%100
44	MP1B	Z	.538	.538	0	%100
45	M61	X	-.382	-.382	0	%100
46	M61	Z	.662	.662	0	%100
47	M62	X	-.111	-.111	0	%100
48	M62	Z	.192	.192	0	%100
49	M63	X	-.111	-.111	0	%100
50	M63	Z	.192	.192	0	%100
51	M57	X	-.111	-.111	0	%100
52	M57	Z	.192	.192	0	%100
53	M58	X	-.443	-.443	0	%100
54	M58	Z	.767	.767	0	%100
55	M59	X	-.443	-.443	0	%100
56	M59	Z	.767	.767	0	%100
57	M60	X	-.111	-.111	0	%100
58	M60	Z	.192	.192	0	%100
59	M61A	X	-.077	-.077	0	%100
60	M61A	Z	.134	.134	0	%100
61	M63A	X	-.077	-.077	0	%100
62	M63A	Z	.134	.134	0	%100
63	M72A	X	-.074	-.074	0	%100
64	M72A	Z	.128	.128	0	%100
65	M71A	X	-.074	-.074	0	%100
66	M71A	Z	.128	.128	0	%100
67	M72B	X	0	0	0	%100
68	M72B	Z	0	0	0	%100
69	M74A	X	-.283	-.283	0	%100
70	M74A	Z	.49	.49	0	%100
71	M69	X	-.077	-.077	0	%100
72	M69	Z	.134	.134	0	%100
73	M71	X	-.077	-.077	0	%100
74	M71	Z	.134	.134	0	%100
75	M75A	X	-.309	-.309	0	%100
76	M75A	Z	.535	.535	0	%100
77	M77A	X	-.309	-.309	0	%100
78	M77A	Z	.535	.535	0	%100
79	M79A	X	-.093	-.093	0	%100
80	M79A	Z	.16	.16	0	%100
81	M80B	X	-.371	-.371	0	%100
82	M80B	Z	.642	.642	0	%100
83	M81	X	-.282	-.282	0	%100
84	M81	Z	.488	.488	0	%100
85	M82	X	-.282	-.282	0	%100
86	M82	Z	.488	.488	0	%100
87	M83	X	-.282	-.282	0	%100
88	M83	Z	.488	.488	0	%100
89	M84	X	-.282	-.282	0	%100
90	M84	Z	.488	.488	0	%100
91	M85	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,%]
92	M85	Z	0	0	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	0	0	0	%100
95	M90	X	-.282	-.282	0	%100
96	M90	Z	.488	.488	0	%100
97	M96	X	-.282	-.282	0	%100
98	M96	Z	.488	.488	0	%100
99	M102	X	0	0	0	%100
100	M102	Z	0	0	0	%100
101	M109	X	-.372	-.372	0	%100
102	M109	Z	.645	.645	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	-.372	-.372	0	%100
106	M111	Z	.645	.645	0	%100
107	M112	X	-.092	-.092	0	%100
108	M112	Z	.16	.16	0	%100
109	M113	X	-.501	-.501	0	%100
110	M113	Z	.867	.867	0	%100
111	M114	X	-.501	-.501	0	%100
112	M114	Z	.867	.867	0	%100
113	M115	X	-.092	-.092	0	%100
114	M115	Z	.16	.16	0	%100
115	M116	X	-.24	-.24	0	%100
116	M116	Z	.416	.416	0	%100
117	M117	X	-.24	-.24	0	%100
118	M117	Z	.416	.416	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	M40	X	-.496	-.496	0	%100
2	M40	Z	.287	.287	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	-.496	-.496	0	%100
6	M42	Z	.287	.287	0	%100
7	M43	X	-.481	-.481	0	%100
8	M43	Z	.278	.278	0	%100
9	M37A	X	-.163	-.163	0	%100
10	M37A	Z	.094	.094	0	%100
11	M38A	X	-.651	-.651	0	%100
12	M38A	Z	.376	.376	0	%100
13	M39A	X	-.163	-.163	0	%100
14	M39A	Z	.094	.094	0	%100
15	MP5A	X	-.538	-.538	0	%100
16	MP5A	Z	.311	.311	0	%100
17	MP4A	X	-.538	-.538	0	%100
18	MP4A	Z	.311	.311	0	%100
19	MP3A	X	-.538	-.538	0	%100
20	MP3A	Z	.311	.311	0	%100
21	MP2A	X	-.538	-.538	0	%100
22	MP2A	Z	.311	.311	0	%100
23	MP1A	X	-.538	-.538	0	%100
24	MP1A	Z	.311	.311	0	%100
25	MP5C	X	-.538	-.538	0	%100
26	MP5C	Z	.311	.311	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,%]
27	MP4C	X	-.538	-.538	0	%100
28	MP4C	Z	.311	.311	0	%100
29	MP3C	X	-.538	-.538	0	%100
30	MP3C	Z	.311	.311	0	%100
31	MP2C	X	-.538	-.538	0	%100
32	MP2C	Z	.311	.311	0	%100
33	MP1C	X	-.538	-.538	0	%100
34	MP1C	Z	.311	.311	0	%100
35	MP5B	X	-.538	-.538	0	%100
36	MP5B	Z	.311	.311	0	%100
37	MP4B	X	-.538	-.538	0	%100
38	MP4B	Z	.311	.311	0	%100
39	MP3B	X	-.538	-.538	0	%100
40	MP3B	Z	.311	.311	0	%100
41	MP2B	X	-.538	-.538	0	%100
42	MP2B	Z	.311	.311	0	%100
43	MP1B	X	-.538	-.538	0	%100
44	MP1B	Z	.311	.311	0	%100
45	M61	X	-.496	-.496	0	%100
46	M61	Z	.287	.287	0	%100
47	M62	X	-.575	-.575	0	%100
48	M62	Z	.332	.332	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	0	0	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	-.575	-.575	0	%100
54	M58	Z	.332	.332	0	%100
55	M59	X	-.575	-.575	0	%100
56	M59	Z	.332	.332	0	%100
57	M60	X	-.575	-.575	0	%100
58	M60	Z	.332	.332	0	%100
59	M61A	X	-.401	-.401	0	%100
60	M61A	Z	.232	.232	0	%100
61	M63A	X	-.401	-.401	0	%100
62	M63A	Z	.232	.232	0	%100
63	M72A	X	-.043	-.043	0	%100
64	M72A	Z	.025	.025	0	%100
65	M71A	X	-.171	-.171	0	%100
66	M71A	Z	.099	.099	0	%100
67	M72B	X	-.043	-.043	0	%100
68	M72B	Z	.025	.025	0	%100
69	M74A	X	-.49	-.49	0	%100
70	M74A	Z	.283	.283	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	0	0	0	%100
73	M71	X	0	0	0	%100
74	M71	Z	0	0	0	%100
75	M75A	X	-.401	-.401	0	%100
76	M75A	Z	.232	.232	0	%100
77	M77A	X	-.401	-.401	0	%100
78	M77A	Z	.232	.232	0	%100
79	M79A	X	0	0	0	%100
80	M79A	Z	0	0	0	%100
81	M80B	X	-.481	-.481	0	%100
82	M80B	Z	.278	.278	0	%100
83	M81	X	-.163	-.163	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,%]
84	M81	Z	.094	.094	0	%100
85	M82	X	-.163	-.163	0	%100
86	M82	Z	.094	.094	0	%100
87	M83	X	-.651	-.651	0	%100
88	M83	Z	.376	.376	0	%100
89	M84	X	-.651	-.651	0	%100
90	M84	Z	.376	.376	0	%100
91	M85	X	-.163	-.163	0	%100
92	M85	Z	.094	.094	0	%100
93	M86	X	-.163	-.163	0	%100
94	M86	Z	.094	.094	0	%100
95	M90	X	-.163	-.163	0	%100
96	M90	Z	.094	.094	0	%100
97	M96	X	-.651	-.651	0	%100
98	M96	Z	.376	.376	0	%100
99	M102	X	-.163	-.163	0	%100
100	M102	Z	.094	.094	0	%100
101	M109	X	-.86	-.86	0	%100
102	M109	Z	.496	.496	0	%100
103	M110	X	-.215	-.215	0	%100
104	M110	Z	.124	.124	0	%100
105	M111	X	-.215	-.215	0	%100
106	M111	Z	.124	.124	0	%100
107	M112	X	-.095	-.095	0	%100
108	M112	Z	.055	.055	0	%100
109	M113	X	-.802	-.802	0	%100
110	M113	Z	.463	.463	0	%100
111	M114	X	-.546	-.546	0	%100
112	M114	Z	.315	.315	0	%100
113	M115	X	-.546	-.546	0	%100
114	M115	Z	.315	.315	0	%100
115	M116	X	-.802	-.802	0	%100
116	M116	Z	.463	.463	0	%100
117	M117	X	-.095	-.095	0	%100
118	M117	Z	.055	.055	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	M40	X	-.764	-.764	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	-.191	-.191	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	-.191	-.191	0	%100
6	M42	Z	0	0	0	%100
7	M43	X	-.741	-.741	0	%100
8	M43	Z	0	0	0	%100
9	M37A	X	0	0	0	%100
10	M37A	Z	0	0	0	%100
11	M38A	X	-.564	-.564	0	%100
12	M38A	Z	0	0	0	%100
13	M39A	X	-.564	-.564	0	%100
14	M39A	Z	0	0	0	%100
15	MP5A	X	-.621	-.621	0	%100
16	MP5A	Z	0	0	0	%100
17	MP4A	X	-.621	-.621	0	%100
18	MP4A	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,%]
19	MP3A	X	-.621	-.621	0	%100
20	MP3A	Z	0	0	0	%100
21	MP2A	X	-.621	-.621	0	%100
22	MP2A	Z	0	0	0	%100
23	MP1A	X	-.621	-.621	0	%100
24	MP1A	Z	0	0	0	%100
25	MP5C	X	-.621	-.621	0	%100
26	MP5C	Z	0	0	0	%100
27	MP4C	X	-.621	-.621	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	-.621	-.621	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	-.621	-.621	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-.621	-.621	0	%100
34	MP1C	Z	0	0	0	%100
35	MP5B	X	-.621	-.621	0	%100
36	MP5B	Z	0	0	0	%100
37	MP4B	X	-.621	-.621	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	-.621	-.621	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	-.621	-.621	0	%100
42	MP2B	Z	0	0	0	%100
43	MP1B	X	-.621	-.621	0	%100
44	MP1B	Z	0	0	0	%100
45	M61	X	-.191	-.191	0	%100
46	M61	Z	0	0	0	%100
47	M62	X	-.886	-.886	0	%100
48	M62	Z	0	0	0	%100
49	M63	X	-.221	-.221	0	%100
50	M63	Z	0	0	0	%100
51	M57	X	-.221	-.221	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	-.221	-.221	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	-.221	-.221	0	%100
56	M59	Z	0	0	0	%100
57	M60	X	-.886	-.886	0	%100
58	M60	Z	0	0	0	%100
59	M61A	X	-.618	-.618	0	%100
60	M61A	Z	0	0	0	%100
61	M63A	X	-.618	-.618	0	%100
62	M63A	Z	0	0	0	%100
63	M72A	X	0	0	0	%100
64	M72A	Z	0	0	0	%100
65	M71A	X	-.148	-.148	0	%100
66	M71A	Z	0	0	0	%100
67	M72B	X	-.148	-.148	0	%100
68	M72B	Z	0	0	0	%100
69	M74A	X	-.566	-.566	0	%100
70	M74A	Z	0	0	0	%100
71	M69	X	-.154	-.154	0	%100
72	M69	Z	0	0	0	%100
73	M71	X	-.154	-.154	0	%100
74	M71	Z	0	0	0	%100
75	M75A	X	-.154	-.154	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,%]
76	M75A	Z	0	0	0	%100
77	M77A	X	-.154	-.154	0	%100
78	M77A	Z	0	0	0	%100
79	M79A	X	-.185	-.185	0	%100
80	M79A	Z	0	0	0	%100
81	M80B	X	-.185	-.185	0	%100
82	M80B	Z	0	0	0	%100
83	M81	X	0	0	0	%100
84	M81	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	M83	X	-.564	-.564	0	%100
88	M83	Z	0	0	0	%100
89	M84	X	-.564	-.564	0	%100
90	M84	Z	0	0	0	%100
91	M85	X	-.564	-.564	0	%100
92	M85	Z	0	0	0	%100
93	M86	X	-.564	-.564	0	%100
94	M86	Z	0	0	0	%100
95	M90	X	0	0	0	%100
96	M90	Z	0	0	0	%100
97	M96	X	-.564	-.564	0	%100
98	M96	Z	0	0	0	%100
99	M102	X	-.564	-.564	0	%100
100	M102	Z	0	0	0	%100
101	M109	X	-.745	-.745	0	%100
102	M109	Z	0	0	0	%100
103	M110	X	-.745	-.745	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	0	0	0	%100
107	M112	X	-.48	-.48	0	%100
108	M112	Z	0	0	0	%100
109	M113	X	-.48	-.48	0	%100
110	M113	Z	0	0	0	%100
111	M114	X	-.185	-.185	0	%100
112	M114	Z	0	0	0	%100
113	M115	X	-1.001	-1.001	0	%100
114	M115	Z	0	0	0	%100
115	M116	X	-1.001	-1.001	0	%100
116	M116	Z	0	0	0	%100
117	M117	X	-.185	-.185	0	%100
118	M117	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	M40	X	-.496	-.496	0	%100
2	M40	Z	-.287	-.287	0	%100
3	M41	X	-.496	-.496	0	%100
4	M41	Z	-.287	-.287	0	%100
5	M42	X	0	0	0	%100
6	M42	Z	0	0	0	%100
7	M43	X	-.481	-.481	0	%100
8	M43	Z	-.278	-.278	0	%100
9	M37A	X	-.163	-.163	0	%100
10	M37A	Z	-.094	-.094	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,%]
11	M38A	X	-.163	-.163	0	%100
12	M38A	Z	-.094	-.094	0	%100
13	M39A	X	-.651	-.651	0	%100
14	M39A	Z	-.376	-.376	0	%100
15	MP5A	X	-.538	-.538	0	%100
16	MP5A	Z	-.311	-.311	0	%100
17	MP4A	X	-.538	-.538	0	%100
18	MP4A	Z	-.311	-.311	0	%100
19	MP3A	X	-.538	-.538	0	%100
20	MP3A	Z	-.311	-.311	0	%100
21	MP2A	X	-.538	-.538	0	%100
22	MP2A	Z	-.311	-.311	0	%100
23	MP1A	X	-.538	-.538	0	%100
24	MP1A	Z	-.311	-.311	0	%100
25	MP5C	X	-.538	-.538	0	%100
26	MP5C	Z	-.311	-.311	0	%100
27	MP4C	X	-.538	-.538	0	%100
28	MP4C	Z	-.311	-.311	0	%100
29	MP3C	X	-.538	-.538	0	%100
30	MP3C	Z	-.311	-.311	0	%100
31	MP2C	X	-.538	-.538	0	%100
32	MP2C	Z	-.311	-.311	0	%100
33	MP1C	X	-.538	-.538	0	%100
34	MP1C	Z	-.311	-.311	0	%100
35	MP5B	X	-.538	-.538	0	%100
36	MP5B	Z	-.311	-.311	0	%100
37	MP4B	X	-.538	-.538	0	%100
38	MP4B	Z	-.311	-.311	0	%100
39	MP3B	X	-.538	-.538	0	%100
40	MP3B	Z	-.311	-.311	0	%100
41	MP2B	X	-.538	-.538	0	%100
42	MP2B	Z	-.311	-.311	0	%100
43	MP1B	X	-.538	-.538	0	%100
44	MP1B	Z	-.311	-.311	0	%100
45	M61	X	0	0	0	%100
46	M61	Z	0	0	0	%100
47	M62	X	-.575	-.575	0	%100
48	M62	Z	-.332	-.332	0	%100
49	M63	X	-.575	-.575	0	%100
50	M63	Z	-.332	-.332	0	%100
51	M57	X	-.575	-.575	0	%100
52	M57	Z	-.332	-.332	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	0	0	0	%100
57	M60	X	-.575	-.575	0	%100
58	M60	Z	-.332	-.332	0	%100
59	M61A	X	-.401	-.401	0	%100
60	M61A	Z	-.232	-.232	0	%100
61	M63A	X	-.401	-.401	0	%100
62	M63A	Z	-.232	-.232	0	%100
63	M72A	X	-.043	-.043	0	%100
64	M72A	Z	-.025	-.025	0	%100
65	M71A	X	-.043	-.043	0	%100
66	M71A	Z	-.025	-.025	0	%100
67	M72B	X	-.171	-.171	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,%]
68	M72B	Z	-.099	-.099	0	%100
69	M74A	X	-.49	-.49	0	%100
70	M74A	Z	-.283	-.283	0	%100
71	M69	X	-.401	-.401	0	%100
72	M69	Z	-.232	-.232	0	%100
73	M71	X	-.401	-.401	0	%100
74	M71	Z	-.232	-.232	0	%100
75	M75A	X	0	0	0	%100
76	M75A	Z	0	0	0	%100
77	M77A	X	0	0	0	%100
78	M77A	Z	0	0	0	%100
79	M79A	X	-.481	-.481	0	%100
80	M79A	Z	-.278	-.278	0	%100
81	M80B	X	0	0	0	%100
82	M80B	Z	0	0	0	%100
83	M81	X	-.163	-.163	0	%100
84	M81	Z	-.094	-.094	0	%100
85	M82	X	-.163	-.163	0	%100
86	M82	Z	-.094	-.094	0	%100
87	M83	X	-.163	-.163	0	%100
88	M83	Z	-.094	-.094	0	%100
89	M84	X	-.163	-.163	0	%100
90	M84	Z	-.094	-.094	0	%100
91	M85	X	-.651	-.651	0	%100
92	M85	Z	-.376	-.376	0	%100
93	M86	X	-.651	-.651	0	%100
94	M86	Z	-.376	-.376	0	%100
95	M90	X	-.163	-.163	0	%100
96	M90	Z	-.094	-.094	0	%100
97	M96	X	-.163	-.163	0	%100
98	M96	Z	-.094	-.094	0	%100
99	M102	X	-.651	-.651	0	%100
100	M102	Z	-.376	-.376	0	%100
101	M109	X	-.215	-.215	0	%100
102	M109	Z	-.124	-.124	0	%100
103	M110	X	-.86	-.86	0	%100
104	M110	Z	-.496	-.496	0	%100
105	M111	X	-.215	-.215	0	%100
106	M111	Z	-.124	-.124	0	%100
107	M112	X	-.802	-.802	0	%100
108	M112	Z	-.463	-.463	0	%100
109	M113	X	-.095	-.095	0	%100
110	M113	Z	-.055	-.055	0	%100
111	M114	X	-.095	-.095	0	%100
112	M114	Z	-.055	-.055	0	%100
113	M115	X	-.802	-.802	0	%100
114	M115	Z	-.463	-.463	0	%100
115	M116	X	-.546	-.546	0	%100
116	M116	Z	-.315	-.315	0	%100
117	M117	X	-.546	-.546	0	%100
118	M117	Z	-.315	-.315	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	M40	X	-.096	-.096	0	%100
2	M40	Z	-.165	-.165	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,%]
3	M41	X	-.382	-.382	0	%100
4	M41	Z	-.662	-.662	0	%100
5	M42	X	-.096	-.096	0	%100
6	M42	Z	-.165	-.165	0	%100
7	M43	X	-.093	-.093	0	%100
8	M43	Z	-.16	-.16	0	%100
9	M37A	X	-.282	-.282	0	%100
10	M37A	Z	-.488	-.488	0	%100
11	M38A	X	0	0	0	%100
12	M38A	Z	0	0	0	%100
13	M39A	X	-.282	-.282	0	%100
14	M39A	Z	-.488	-.488	0	%100
15	MP5A	X	-.311	-.311	0	%100
16	MP5A	Z	-.538	-.538	0	%100
17	MP4A	X	-.311	-.311	0	%100
18	MP4A	Z	-.538	-.538	0	%100
19	MP3A	X	-.311	-.311	0	%100
20	MP3A	Z	-.538	-.538	0	%100
21	MP2A	X	-.311	-.311	0	%100
22	MP2A	Z	-.538	-.538	0	%100
23	MP1A	X	-.311	-.311	0	%100
24	MP1A	Z	-.538	-.538	0	%100
25	MP5C	X	-.311	-.311	0	%100
26	MP5C	Z	-.538	-.538	0	%100
27	MP4C	X	-.311	-.311	0	%100
28	MP4C	Z	-.538	-.538	0	%100
29	MP3C	X	-.311	-.311	0	%100
30	MP3C	Z	-.538	-.538	0	%100
31	MP2C	X	-.311	-.311	0	%100
32	MP2C	Z	-.538	-.538	0	%100
33	MP1C	X	-.311	-.311	0	%100
34	MP1C	Z	-.538	-.538	0	%100
35	MP5B	X	-.311	-.311	0	%100
36	MP5B	Z	-.538	-.538	0	%100
37	MP4B	X	-.311	-.311	0	%100
38	MP4B	Z	-.538	-.538	0	%100
39	MP3B	X	-.311	-.311	0	%100
40	MP3B	Z	-.538	-.538	0	%100
41	MP2B	X	-.311	-.311	0	%100
42	MP2B	Z	-.538	-.538	0	%100
43	MP1B	X	-.311	-.311	0	%100
44	MP1B	Z	-.538	-.538	0	%100
45	M61	X	-.096	-.096	0	%100
46	M61	Z	-.165	-.165	0	%100
47	M62	X	-.111	-.111	0	%100
48	M62	Z	-.192	-.192	0	%100
49	M63	X	-.443	-.443	0	%100
50	M63	Z	-.767	-.767	0	%100
51	M57	X	-.443	-.443	0	%100
52	M57	Z	-.767	-.767	0	%100
53	M58	X	-.111	-.111	0	%100
54	M58	Z	-.192	-.192	0	%100
55	M59	X	-.111	-.111	0	%100
56	M59	Z	-.192	-.192	0	%100
57	M60	X	-.111	-.111	0	%100
58	M60	Z	-.192	-.192	0	%100
59	M61A	X	-.077	-.077	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,%]
60	M61A	Z	-.134	-.134	0	%100
61	M63A	X	-.077	-.077	0	%100
62	M63A	Z	-.134	-.134	0	%100
63	M72A	X	-.074	-.074	0	%100
64	M72A	Z	-.128	-.128	0	%100
65	M71A	X	0	0	0	%100
66	M71A	Z	0	0	0	%100
67	M72B	X	-.074	-.074	0	%100
68	M72B	Z	-.128	-.128	0	%100
69	M74A	X	-.283	-.283	0	%100
70	M74A	Z	-.49	-.49	0	%100
71	M69	X	-.309	-.309	0	%100
72	M69	Z	-.535	-.535	0	%100
73	M71	X	-.309	-.309	0	%100
74	M71	Z	-.535	-.535	0	%100
75	M75A	X	-.077	-.077	0	%100
76	M75A	Z	-.134	-.134	0	%100
77	M77A	X	-.077	-.077	0	%100
78	M77A	Z	-.134	-.134	0	%100
79	M79A	X	-.371	-.371	0	%100
80	M79A	Z	-.642	-.642	0	%100
81	M80B	X	-.093	-.093	0	%100
82	M80B	Z	-.16	-.16	0	%100
83	M81	X	-.282	-.282	0	%100
84	M81	Z	-.488	-.488	0	%100
85	M82	X	-.282	-.282	0	%100
86	M82	Z	-.488	-.488	0	%100
87	M83	X	0	0	0	%100
88	M83	Z	0	0	0	%100
89	M84	X	0	0	0	%100
90	M84	Z	0	0	0	%100
91	M85	X	-.282	-.282	0	%100
92	M85	Z	-.488	-.488	0	%100
93	M86	X	-.282	-.282	0	%100
94	M86	Z	-.488	-.488	0	%100
95	M90	X	-.282	-.282	0	%100
96	M90	Z	-.488	-.488	0	%100
97	M96	X	0	0	0	%100
98	M96	Z	0	0	0	%100
99	M102	X	-.282	-.282	0	%100
100	M102	Z	-.488	-.488	0	%100
101	M109	X	0	0	0	%100
102	M109	Z	0	0	0	%100
103	M110	X	-.372	-.372	0	%100
104	M110	Z	-.645	-.645	0	%100
105	M111	X	-.372	-.372	0	%100
106	M111	Z	-.645	-.645	0	%100
107	M112	X	-.501	-.501	0	%100
108	M112	Z	-.867	-.867	0	%100
109	M113	X	-.092	-.092	0	%100
110	M113	Z	-.16	-.16	0	%100
111	M114	X	-.24	-.24	0	%100
112	M114	Z	-.416	-.416	0	%100
113	M115	X	-.24	-.24	0	%100
114	M115	Z	-.416	-.416	0	%100
115	M116	X	-.092	-.092	0	%100
116	M116	Z	-.16	-.16	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,%]
117	M117	X	-.501	-.501	0	%100
118	M117	Z	-.867	-.867	0	%100

Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M62	Y	-.375	-.375	1.453	2.703
2	M60	Y	-.375	-.375	.167	1.417
3	M61A	Y	-11.512	-28.671	0	.25
4	M61A	Y	-28.671	-25.788	.25	.5
5	M61A	Y	-25.788	-25.718	.5	.75
6	M61A	Y	-25.718	-28.618	.75	1
7	M61A	Y	-28.618	-11.635	1	1.25
8	M63A	Y	-11.88	-28.501	0	.25
9	M63A	Y	-28.501	-26.318	.25	.5
10	M63A	Y	-26.318	-25.33	.5	.75
11	M63A	Y	-25.33	-27.64	.75	1
12	M63A	Y	-27.64	-13.25	1	1.25
13	M41	Y	-45.572	-19.085	0	.417
14	M41	Y	-19.085	-20.295	.417	.833
15	M41	Y	-20.295	-16.712	.833	1.25
16	M41	Y	-16.712	1.324	1.25	1.667
17	M41	Y	1.324	1.324	1.667	2.083
18	M60	Y	-4.653	-16.844	0	.574
19	M60	Y	-16.844	-11.978	.574	1.148
20	M60	Y	-11.978	-1.016	1.148	1.722
21	M59	Y	-1.016	-11.978	1.148	1.722
22	M59	Y	-11.978	-16.844	1.722	2.295
23	M59	Y	-16.844	-4.653	2.295	2.869
24	M58	Y	-.375	-.375	.167	1.417
25	M59	Y	-.375	-.375	1.453	2.703
26	M75A	Y	-14.506	-27.574	0	.25
27	M75A	Y	-27.574	-24.933	.25	.5
28	M75A	Y	-24.933	-26.252	.5	.75
29	M75A	Y	-26.252	-28.435	.75	1
30	M75A	Y	-28.435	-11.814	1	1.25
31	M77A	Y	-11.631	-28.614	0	.25
32	M77A	Y	-28.614	-25.755	.25	.5
33	M77A	Y	-25.755	-25.784	.5	.75
34	M77A	Y	-25.784	-28.626	.75	1
35	M77A	Y	-28.626	-11.549	1	1.25
36	M40	Y	-46.386	-19.482	0	.417
37	M40	Y	-19.482	-20.579	.417	.833
38	M40	Y	-20.579	-16.892	.833	1.25
39	M40	Y	-16.892	1.345	1.25	1.667
40	M40	Y	1.345	1.345	1.667	2.083
41	M58	Y	-4.566	-16.744	0	.574
42	M58	Y	-16.744	-11.924	.574	1.148
43	M58	Y	-11.924	-1.015	1.148	1.722
44	M57	Y	-1.015	-11.924	1.148	1.722
45	M57	Y	-11.924	-16.744	1.722	2.295
46	M57	Y	-16.744	-4.566	2.295	2.869
47	M63	Y	-.375	-.375	.167	1.417
48	M57	Y	-.375	-.375	1.453	2.703
49	M69	Y	-14.506	-27.574	0	.25
50	M69	Y	-27.574	-24.933	.25	.5
51	M69	Y	-24.933	-26.252	.5	.75

Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M69	Y	-26.252	-28.435	.75	1
53	M69	Y	-28.435	-11.814	1	1.25
54	M71	Y	-11.631	-28.614	0	.25
55	M71	Y	-28.614	-25.755	.25	.5
56	M71	Y	-25.755	-25.784	.5	.75
57	M71	Y	-25.784	-28.626	.75	1
58	M71	Y	-28.626	-11.549	1	1.25
59	M42	Y	-46.386	-19.482	0	.417
60	M42	Y	-19.482	-20.579	.417	.833
61	M42	Y	-20.579	-16.892	.833	1.25
62	M42	Y	-16.892	1.345	1.25	1.667
63	M42	Y	1.345	1.345	1.667	2.083
64	M63	Y	-4.566	-16.744	0	.574
65	M63	Y	-16.744	-11.924	.574	1.148
66	M63	Y	-11.924	-1.015	1.148	1.722
67	M62	Y	-1.015	-11.924	1.148	1.722
68	M62	Y	-11.924	-16.744	1.722	2.295
69	M62	Y	-16.744	-4.566	2.295	2.869

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M62	Y	-.387	-.387	1.453	2.703
2	M60	Y	-.387	-.387	.167	1.417
3	M61A	Y	-12.018	-29.568	0	.25
4	M61A	Y	-29.568	-26.613	.25	.5
5	M61A	Y	-26.613	-26.644	.5	.75
6	M61A	Y	-26.644	-29.58	.75	1
7	M61A	Y	-29.58	-11.934	1	1.25
8	M63A	Y	-14.99	-28.493	0	.25
9	M63A	Y	-28.493	-25.764	.25	.5
10	M63A	Y	-25.764	-27.127	.5	.75
11	M63A	Y	-27.127	-29.383	.75	1
12	M63A	Y	-29.383	-12.208	1	1.25
13	M41	Y	-47.091	-19.721	0	.417
14	M41	Y	-19.721	-20.971	.417	.833
15	M41	Y	-20.971	-17.269	.833	1.25
16	M41	Y	-17.269	1.368	1.25	1.667
17	M41	Y	1.368	1.368	1.667	2.083
18	M60	Y	-4.808	-17.406	0	.574
19	M60	Y	-17.406	-12.377	.574	1.148
20	M60	Y	-12.377	-1.05	1.148	1.722
21	M59	Y	-1.05	-12.377	1.148	1.722
22	M59	Y	-12.377	-17.406	1.722	2.295
23	M59	Y	-17.406	-4.808	2.295	2.869
24	M58	Y	-.387	-.387	.167	1.417
25	M59	Y	-.387	-.387	1.453	2.703
26	M75A	Y	-14.99	-28.493	0	.25
27	M75A	Y	-28.493	-25.764	.25	.5
28	M75A	Y	-25.764	-27.127	.5	.75
29	M75A	Y	-27.127	-29.383	.75	1
30	M75A	Y	-29.383	-12.208	1	1.25
31	M77A	Y	-12.018	-29.568	0	.25
32	M77A	Y	-29.568	-26.613	.25	.5
33	M77A	Y	-26.613	-26.644	.5	.75
34	M77A	Y	-26.644	-29.58	.75	1
35	M77A	Y	-29.58	-11.934	1	1.25

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
36	M40	Y	-47.915	-20.125	0	.417
37	M40	Y	-20.125	-21.263	.417	.833
38	M40	Y	-21.263	-17.453	.833	1.25
39	M40	Y	-17.453	1.389	1.25	1.667
40	M40	Y	1.389	1.389	1.667	2.083
41	M58	Y	-7.386	-15.702	0	.574
42	M58	Y	-15.702	-12.823	.574	1.148
43	M58	Y	-12.823	-1.421	1.148	1.722
44	M63	Y	-.387	-.387	.167	1.417
45	M57	Y	-.387	-.387	1.453	2.703
46	M69	Y	-14.99	-28.493	0	.25
47	M69	Y	-28.493	-25.764	.25	.5
48	M69	Y	-25.764	-27.127	.5	.75
49	M69	Y	-27.127	-29.383	.75	1
50	M69	Y	-29.383	-12.208	1	1.25
51	M71	Y	-12.018	-29.568	0	.25
52	M71	Y	-29.568	-26.613	.25	.5
53	M71	Y	-26.613	-26.644	.5	.75
54	M71	Y	-26.644	-29.58	.75	1
55	M71	Y	-29.58	-11.934	1	1.25
56	M57	Y	-1.049	-12.321	1.148	1.722
57	M57	Y	-12.321	-17.302	1.722	2.295
58	M57	Y	-17.302	-4.718	2.295	2.869
59	M42	Y	-47.933	-20.131	0	.417
60	M42	Y	-20.131	-21.265	.417	.833
61	M42	Y	-21.265	-17.455	.833	1.25
62	M42	Y	-17.455	1.39	1.25	1.667
63	M42	Y	1.39	1.39	1.667	2.083
64	M63	Y	-4.718	-17.302	0	.574
65	M63	Y	-17.302	-12.321	.574	1.148
66	M63	Y	-12.321	-1.049	1.148	1.722
67	M62	Y	-1.049	-12.321	1.148	1.722
68	M62	Y	-12.321	-17.302	1.722	2.295
69	M62	Y	-17.302	-4.718	2.295	2.869

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N145	N146	N115B	N113A	Y	A-B	-.009
2	N113A	N144	N40	N145	Y	A-B	-.009
3	N156	N144	N40	N162	Y	A-B	-.009
4	N156	N155	N161	N162	Y	A-B	-.009
5	N155	N117	N38	N161	Y	A-B	-.009
6	N148	N117	N38	N154	Y	A-B	-.009
7	N148	N147	N153	N154	Y	A-B	-.009
8	N147	N116A	N42	N153	Y	A-B	-.009
9	N115B	N116A	N42	N146	Y	A-B	-.009

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113A	N115B	N146	N145	Y	A-B	-.009
2	N113A	N144	N40	N145	Y	A-B	-.009
3	N156	N144	N40	N162	Y	A-B	-.009
4	N156	N155	N161	N162	Y	A-B	-.009
5	N151A	N117	N38	N161	Y	A-B	-.009
6	N148	N147	N153	N154	Y	A-B	-.009

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
7	N148	N117	N38	N154	Y	A-B	-.009
8	N147	N116A	N42	N153	Y	A-B	-.009
9	N115B	N116A	N42	N146	Y	A-B	-.009

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	N45	max	1517.874	10	1129.403	19	862.468	1	2.134	13	1.854	4	.599	4
2		min	-1538.394	4	475.109	1	-4699.028	19	.492	7	-1.805	10	-.571	10
3	N149A	max	792.482	9	965.895	15	2559.011	2	-.148	1	1.582	12	-.465	3
4		min	-4080.857	3	437.308	9	-662.721	8	-1.022	19	-1.565	6	-1.712	21
5	N151B	max	3996.398	23	1042.247	23	2552.349	1	-.205	1	1.645	8	1.87	16
6		min	-802.942	5	479.604	5	-706.564	7	-1.113	19	-1.624	2	.596	10
7	N212A	max	338.417	4	1630.905	13	3669.327	13	0	7	0	4	0	4
8		min	-318.081	10	637.214	7	1374.528	7	0	1	0	10	0	10
9	N211	max	3210.354	21	1633.665	21	-523.393	6	0	12	0	12	0	9
10		min	1202.011	3	644.521	3	-1823.877	24	0	6	0	6	0	3
11	N214	max	-1145.648	11	1603.248	17	-555.644	8	0	2	0	8	0	11
12		min	-3120.686	17	622.119	11	-1832.368	14	0	8	0	2	0	5
13	Totals:	max	6078.646	10	7899.171	17	6039.423	1						
14		min	-6078.657	4	3673.737	11	-6039.408	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear C...	Lo...	Dir	LC	phi*Pn...	phi*...	phi*...	phi*...	...	Eqn
1	M40	HSS3X3X6	.082	3.472	20	.047	4....	z	10	103335...	1281...	10.238	10.238	...	H1-...
2	M41	HSS3X3X6	.083	3.472	16	.044	4....	z	6	103335...	1281...	10.238	10.238	...	H1-...
3	M42	HSS3X3X6	.042	3.472	9	.024	4....	z	2	103335...	1281...	10.238	10.238	...	H1-...
4	M43	HSS3X3X6	.284	4.75	4	.114	4.75	z	4	107144...	1281...	10.238	10.238	...	H1-...
5	M37A	PIPE_3.0	.106	4.081	18	.092	4....		1	58349....	65205	5.749	5.749	...	H1-...
6	M38A	PIPE_3.0	.108	4.081	14	.092	4....		9	58349....	65205	5.749	5.749	...	H1-...
7	M39A	PIPE_3.0	.103	4.081	22	.090	4....		4	58349....	65205	5.749	5.749	...	H1-...
8	MP5A	PIPE_2.0	.183	3.5	12	.100	3.5		23	17855....	32130	1.872	1.872	...	H1-...
9	MP4A	PIPE_2.0	.232	3.5	7	.199	3.5		19	17855....	32130	1.872	1.872	...	H1-...
10	MP3A	PIPE_2.0	.590	3.427	1	.121	2....		4	17855....	32130	1.872	1.872	...	H1-...
11	MP2A	PIPE_2.0	.243	3.5	7	.198	3.5		19	17855....	32130	1.872	1.872	...	H1-...
12	MP1A	PIPE_2.0	.174	3.5	14	.100	3.5		16	17855....	32130	1.872	1.872	...	H1-...
13	MP5C	PIPE_2.0	.191	3.5	8	.100	3.5		19	17855....	32130	1.872	1.872	...	H1-...
14	MP4C	PIPE_2.0	.233	3.5	3	.202	3.5		15	17855....	32130	1.872	1.872	...	H1-...
15	MP3C	PIPE_2.0	.590	3.427	9	.121	2....		6	17855....	32130	1.872	1.872	...	H1-...
16	MP2C	PIPE_2.0	.242	3.5	3	.196	3.5		15	17855....	32130	1.872	1.872	...	H1-...
17	MP1C	PIPE_2.0	.171	3.5	21	.099	3.5		24	17855....	32130	1.872	1.872	...	H1-...
18	MP5B	PIPE_2.0	.199	3.5	27	.100	3.5		15	17855....	32130	1.872	1.872	...	H1-...
19	MP4B	PIPE_2.0	.222	3.5	10	.197	3.5		22	17855....	32130	1.872	1.872	...	H1-...
20	MP3B	PIPE_2.0	.580	3.427	3	.084	2....		6	17855....	32130	1.872	1.872	...	H1-...
21	MP2B	PIPE_2.0	.228	3.5	11	.195	3.5		23	17855....	32130	1.872	1.872	...	H1-...
22	MP1B	PIPE_2.0	.164	3.5	17	.098	3.5		20	17855....	32130	1.872	1.872	...	H1-...
23	M61	HSS3X3X6	.042	3.472	9	.024	4....	z	2	103335...	1281...	10.238	10.238	...	H1-...
24	M62	L2.25X1.5X4	.708	0	16	.066	0	z	16	15604....	28350	.457	1.349	...	H2-1
25	M63	L2.25X1.5X4	.684	2.869	18	.064	2....	z	18	15604....	28350	.457	1.349	...	H2-1
26	M57	L2.25X1.5X4	.706	0	24	.065	0	z	24	15604....	28350	.457	1.349	...	H2-1
27	M58	L2.25X1.5X4	.688	2.869	14	.063	2....	z	14	15604....	28350	.457	1.349	...	H2-1
28	M59	L2.25X1.5X4	.710	0	20	.065	0	z	20	15604....	28350	.457	1.349	...	H2-1
29	M60	L2.25X1.5X4	.690	2.869	22	.063	2....	z	22	15604....	28350	.457	1.349	...	H2-1
30	M61A	L2x2x4	.045	.625	18	.005	0	y	16	28259....	3058...	.691	1.577	...	H2-1
31	M63A	L2x2x4	.046	.625	19	.005	0	z	16	28259....	3058...	.691	1.577	...	H2-1

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear C...	Lo...	Dir	LC	phi*Pn...	phi*...	phi*...	phi*...	...	Eqn
32	M72A	PL3/4x6	.112	.667	20	.213	.667	y	20	109369...	1458..	2.278	18.225	...	H1-...
33	M71A	PL3/4x6	.113	.667	15	.213	.667	y	16	109369...	1458..	2.278	18.225	...	H1-...
34	M72B	PL3/4x6	.110	.667	24	.221	.667	y	24	109369...	1458..	2.278	18.225	...	H1-...
35	M74A	PIPE_2.0	.151	3	11	.019	3		11	26521....	32130	1.872	1.872	...	H1-...
36	M69	L2x2x4	.044	.625	14	.005	0	y	18	28259....	3058..	.691	1.577	...	H2-1
37	M71	L2x2x4	.047	.625	15	.005	0	z	24	28259....	3058..	.691	1.577	...	H2-1
38	M75A	L2x2x4	.044	.625	22	.005	0	y	20	28259....	3058..	.691	1.577	...	H2-1
39	M77A	L2x2x4	.046	.625	23	.005	0	z	20	28259....	3058..	.691	1.577	...	H2-1
40	M79A	HSS3X3X6	.252	4.75	12	.074	4.75	z	6	107144...	1281..	10.238	10.238	...	H1-...
41	M80B	HSS3X3X6	.268	4.75	8	.079	4.75	z	2	107144...	1281..	10.238	10.238	...	H1-...
42	M81	PIPE_3.0	.151	2.278	6	.091	0		1	58349....	65205	5.749	5.749	...	H1-...
43	M82	PIPE_3.0	.112	.427	7	.084	1....		24	58349....	65205	5.749	5.749	...	H1-...
44	M83	PIPE_3.0	.152	2.278	4	.092	0		9	58349....	65205	5.749	5.749	...	H1-...
45	M84	PIPE_3.0	.111	.475	3	.105	1....		33	58349....	65205	5.749	5.749	...	H1-...
46	M85	PIPE_3.0	.148	2.278	10	.090	0		4	58349....	65205	5.749	5.749	...	H1-...
47	M86	PIPE_3.0	.106	.475	23	.081	1....		16	58349....	65205	5.749	5.749	...	H1-...
48	M90	PIPE_2.5	.285	2.417	19	.173	2....		19	10819....	50715	3.596	3.596	...	H1-...
49	M96	PIPE_2.5	.289	2.417	15	.175	2....		15	10819....	50715	3.596	3.596	...	H1-...
50	M102	PIPE_2.5	.287	2.417	23	.173	3....		14	10819....	50715	3.596	3.596	...	H1-...
51	M109	L3X3X4	.284	0	20	.005	2....	y	4	39999....	46656	1.688	3.697	...	H2-1
52	M110	L3X3X4	.290	0	16	.004	2....	y	12	39999....	46656	1.688	3.704	...	H2-1
53	M111	L3X3X4	.286	0	24	.004	2....	y	8	39999....	46656	1.688	3.702	...	H2-1
54	M112	L2.5x2.5x4	.180	2.278	23	.004	0	z	12	19587....	38556	1.114	2.295	...	H2-1
55	M113	L2.5x2.5x4	.181	2.278	15	.004	0	z	8	19587....	38556	1.114	2.295	...	H2-1
56	M114	L2.5x2.5x4	.182	2.278	19	.004	0	z	2	19587....	38556	1.114	2.295	...	H2-1
57	M115	L2.5x2.5x4	.179	2.278	23	.004	0	z	4	19587....	38556	1.114	2.295	...	H2-1
58	M116	L2.5x2.5x4	.178	2.278	15	.004	4....	z	10	19587....	38556	1.114	2.295	...	H2-1
59	M117	L2.5x2.5x4	.178	2.278	19	.004	0	z	12	19587....	38556	1.114	2.295	...	H2-1

MASER CONSULTING — CONNECTICUT —

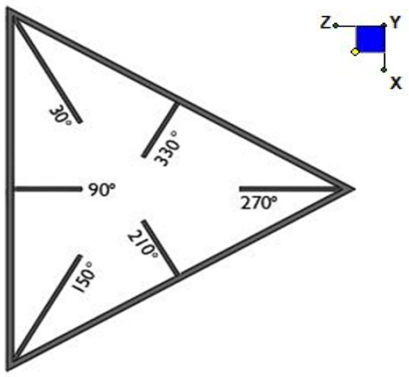
Client:	Verizon Wireless	Date:	10/21/2021
Site Name:	Waterbury 3 CT		
Project No.	21777085A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

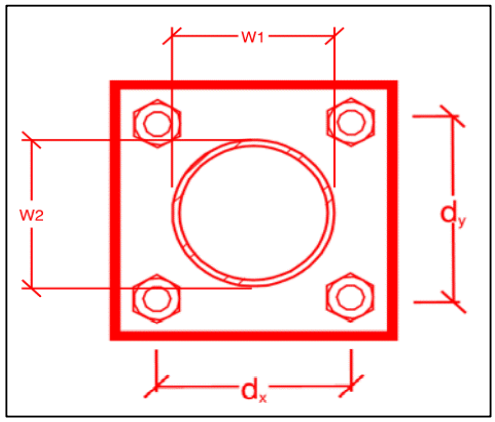
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N149A	30
N151B	150
N45	270



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	4
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	4
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	13.9
Required Shear Strength (kips):	13.5
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**16.8%***
Shear Capacity Overall:	**27.1%**



**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):	6
Plate Height (in):	6
W1 (in):	3
W2 (in):	3
Fy (ksi, plate):	36
t_{Plate} (in):	0.75
Weld Size (1/16 in):	9
Phi*Rn (kip/in):	12.53
Required Weld Strength (kip/in):	2.45
Plate Bending Capacity:	**17.5%**
Weld Capacity:	**19.6%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	3.8
$Phi*Mn_{xx}$ *(kip-in)* :	27.3
Mu_{yy} *(kip-in)* :	0.9
$Phi*Mn_{yy}$ *(kip-in)* :	27.3

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Electronic pdf version of this can be downloaded at https://pmi.vzwsmart.com
For additional questions and support, please reach out to pmisupport@colliersengineering.com

---

Purpose – to upload the proper documentation to the SMART Tool in order to allow the SMART Tool engineering vendor 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:

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

Photo Requirements:

- *Photos taken at ground level*
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation of the modifications.
  - Photos of the mount 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 the safety climb wire rope above and below the mount prior to modification.
  - Photos showing the climbing facility and safety climb if present.
  - Photos showing each individual sector after installation of modifications. Each entire sector must be in one photo to show the interconnection of members.

        - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
    - Photos that show the model number of each antenna and piece of equipment installed per sector.
    - Photos of each installed modification per the modification drawings; pictures shall also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
    - Photos showing the distances (relative distance between collars) of the installed modifications from the appropriate reference locations shown in the modification drawings.
    - Photos showing the installed modifications onto the tower (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, an elevation measurement shall be provided before the elevation change.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by the SMART Tool vendor.
    - If the materials are as specified on the drawings
        - The contractor shall provide the packing list, or the materials certifications for the materials utilized to perform the mount modification
        - Commscope, Metrosite, Perfect Vision, Sabre, and Site Pro have all agreed to support Verizon vendors with the necessary material certifications
    - If seeking permission to use an equivalent
        - It is required that the SMART Tool engineering vendor approval of such is included in the contractor submission package. There may be an additional charge for approval if the equivalent submission doesn't meet specifications as prescribed in the drawings.

☐ All hardware has been properly installed, and the existing hardware was inspected.

☐ The material utilized was as specified on the SMART Tool engineering vendor Mount Modification Drawings and included in the material certification folder is a packing list or invoice for these materials.

OR

☐ The material utilized was approved by a SMART Tool as an "equivalent" and this approval is included as part of the contractor submission.

Antenna & equipment placement and Geometry Confirmation:

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

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

Comments:

Contractor shall attach proposed OVP 18” from the top of proposed OVP pipe. Contractor shall install safety climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection steel. Contractor shall provide photos of wire rope guide installation as part of PMI documents.

Certifying Individual:

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

Was the mount modification completed in conjunction with the equipment change / installation?

☐ Yes ☐ No

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

Issue:

Response:

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

☐ Yes ☐ No

Contractor certifies no new damage/obstructions created during the current installation:

☐ Yes ☐ No

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

☐ Safety climb in good condition with no obstructions ☐ Safety Climb Damaged
☐ Safety Climb Obstructed

Comments:

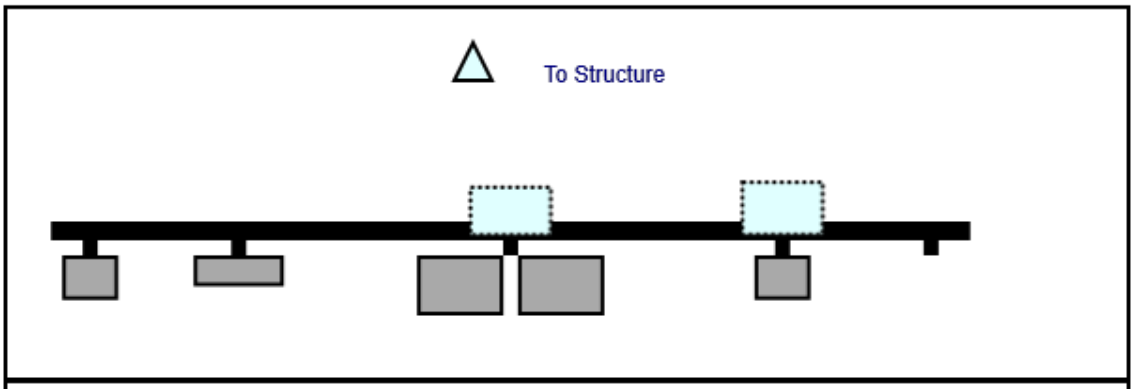
Structure: 467353-VZW - WATERBURY 3 CT

Sector: **A** 10/21/2021

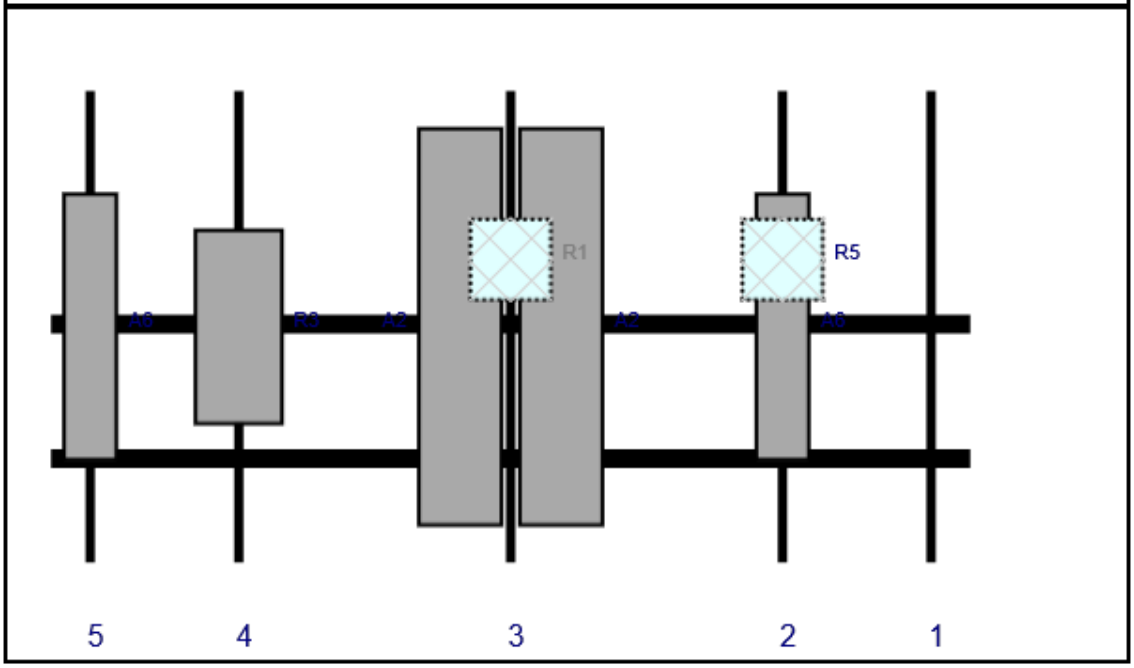
Structure Type: Self Support 10109012

Mount Elev: 147.00 Page: 1

Plan View



Front View
Looking at Structure



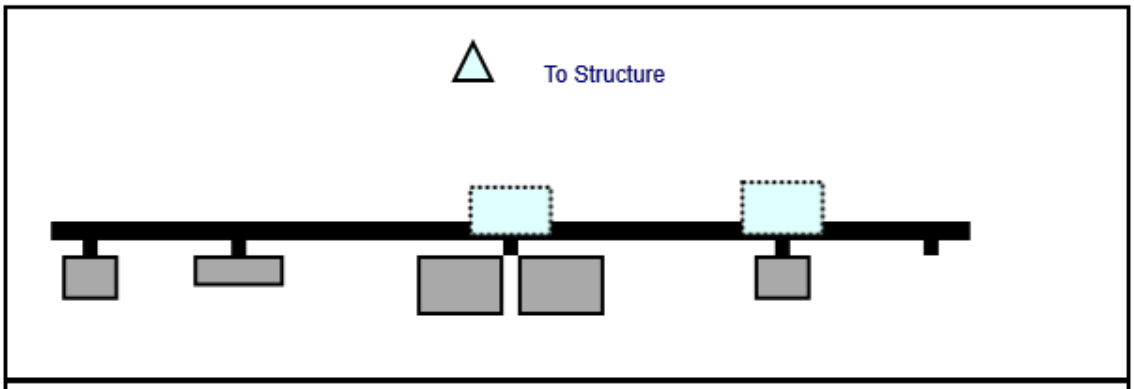
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	DB844G65ZAXY	48	10	130.5	2	a	Front	42	0	Retained	10/01/2021
R5	RF4439d-25A	15	15	130.5	2	a	Behind	30	0	Added	
A2	MX06FRO660-03	71.3	15.4	82	3	a	Front	42	9	Added	
A2	MX06FRO660-03	71.3	15.4	82	3	b	Front	42	-9	Added	
R1	RF4440d-13A	15	15	82	3	a	Behind	30	0	Added	
R3	MT6407-77A	35.1	16.1	33.5	4	a	Front	42	0	Added	
A6	DB844G65ZAXY	48	10	7	5	a	Front	42	0	Retained	10/01/2021

Sector: **B** 10/21/2021

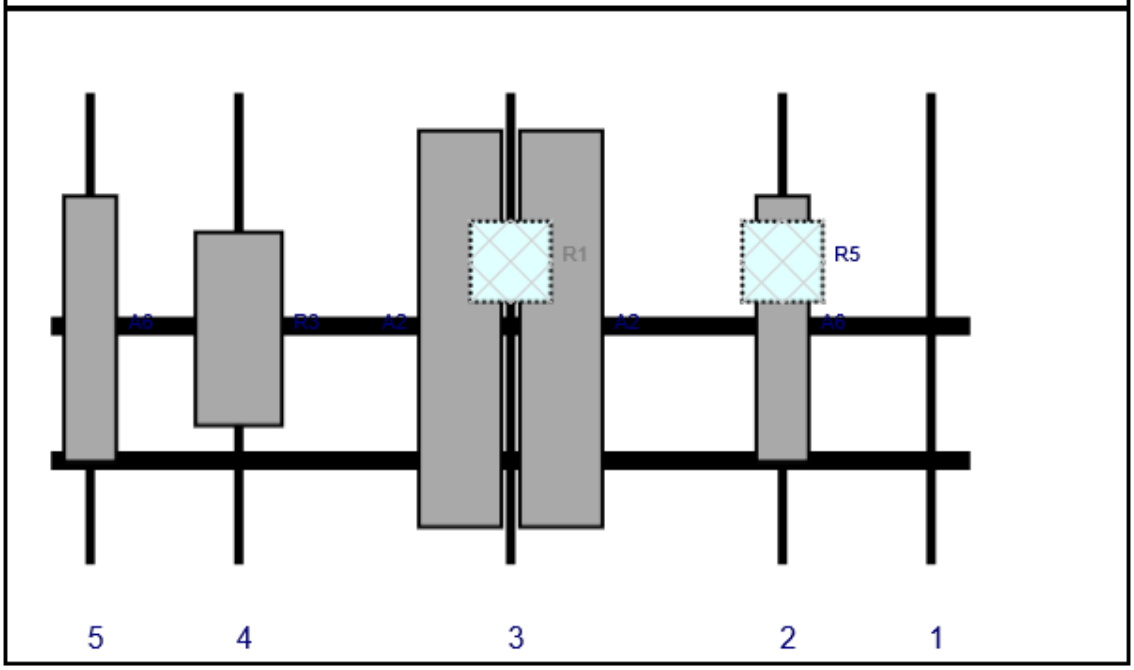
Structure Type: Self Support 10109012

Mount Elev: 147.00 Page: 2

Plan View



Front View
Looking at Structure



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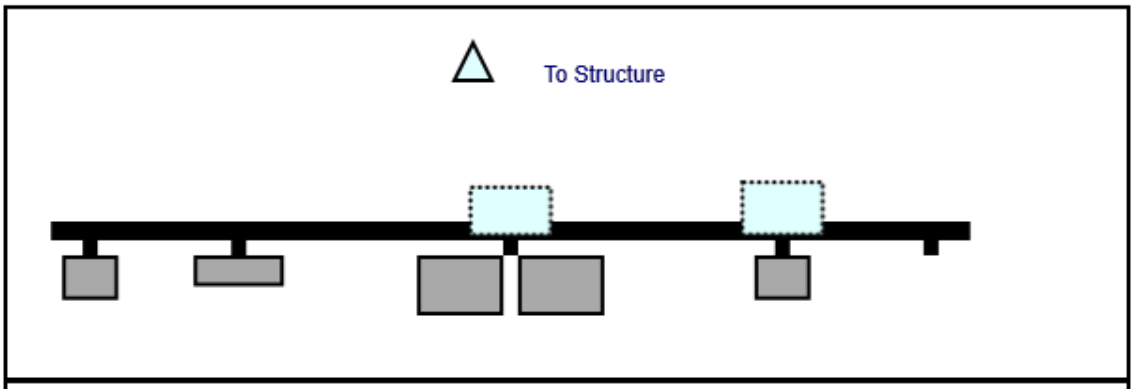
R3	MT6407-77A	35.1	16.1	33.5	4	a	Front	42	0	Added	
A6	DB844G65ZAXY	48	10	7	5	a	Front	42	0	Retained	10/01/2021

Sector: **C** 10/21/2021

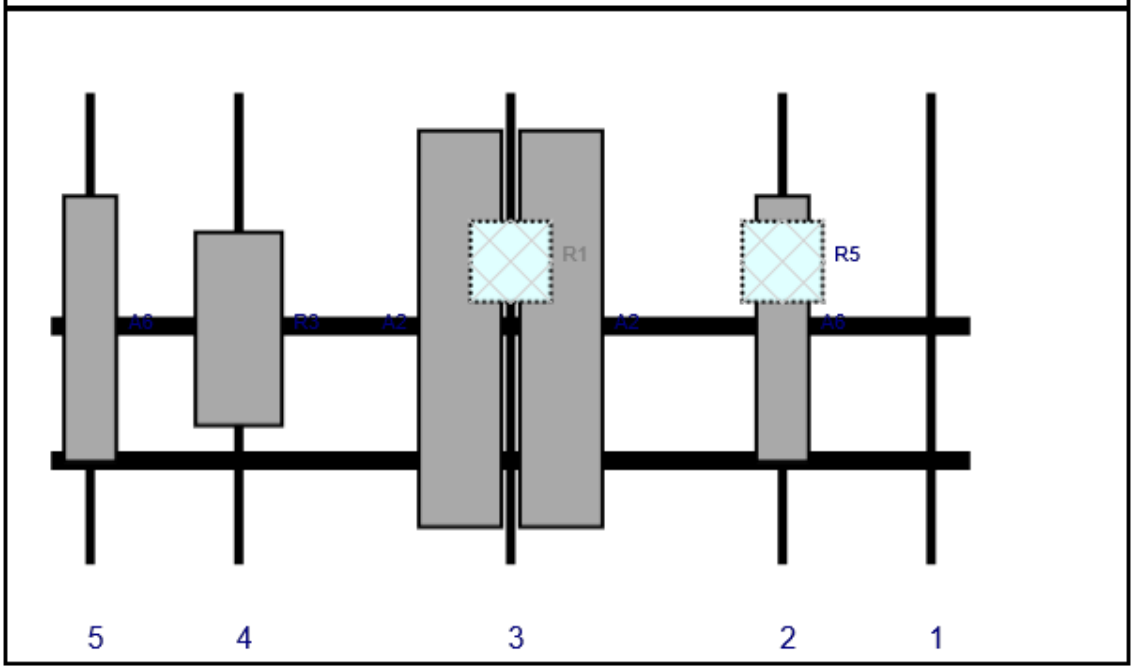
Structure Type: Self Support 10109012

Mount Elev: 147.00 Page: 3

Plan View



Front View
Looking at Structure



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MASER CONSULTING
—CONNECTICUT—

Maser Consulting Connecticut

Subject	TIA-222-H Usage
Site Information	Site ID: 325068 Site Name: Waterbury 3 CT Carrier Name: Verizon Wireless Address: 299 Sheffield Street Latitude: 41.593817 Longitude: -73.050917
Structure Information	Tower Type: Self Support (Lattice Tower) Mount Type: 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,

Peter Albano, PE
Project Manager

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 13.67' PLATFORM

TOWER OWNER: SBA COMMUNICATIONS
TOWER OWNER SITE NUMBER: CT02722

CARRIER SITE NAME: WATERBURY 3 CT
CARRIER SITE NUMBER: 467353
FUZE ID: 16244608

299 SHEFFIELD ST.
WATERBURY, CT 06704
NEW HAVEN COUNTY
LATITUDE: 41.593817° N
LONGITUDE: 73.050917° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 117 MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 917.2'

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 = .190
LONG TERM MCER GROUND MOTION, S_1 = .054

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS

PROJECT MANAGER

COMPANY: COLLIERS ENGINEERING & DESIGN
CONTACT: PETER ALBANO
PHONE: (856) 797-0412
E-MAIL: PETER.ALBANO@COLLIERSENGINEERING.COM

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 1010902
VZW LOCATION CODE (PSLC): 467353
ANALYSIS DATE: 10/22/2021

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

SHEET	DESCRIPTION
ST-1	TITLE SHEET
SBOM-1	BILL OF MATERIALS
SGN-1	GENERAL NOTES
SCF-1	CLIMBING FACILITY DETAIL
SS-1	MODIFICATION DETAILS
SS-2	MOUNT PHOTOS
	SPECIFICATION SHEETS

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SCALE:	JOB NUMBER:
AS SHOWN	21781085A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	10/22/2021	ISSUED FOR CONSTRUCTION	AE	PA

STATE OF CONNECTICUT
PETER MICHAEL ALBANO
No. 35
REGISTERED
PROFESSIONAL ENGINEER
10/22/21

SITE NAME:
WATERBURY 3 CT
467353
299 SHEFFIELD ST.
WATERBURY , CT 06704
NEW HAVEN COUNTY

Colliers Engineering & Design
MADISON
135 Flow Road
Madison, CT 06443
Phone: 860.395.0055
COLLIERS ENGINEERING & DESIGN (CT), P.C.
DOING BUSINESS AS MASER CONSULTING

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.)
3	VZWSMART	VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKET		30	90
15		VZWSMART-MSK1	CROSSOVER PLATE		14	210
3		VZWSMART-PLK6	V-BRACING KIT FOR MONOPOLE	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	109	327
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY		150	150
1		VZWSMART-MSK6	BACK TO BACK CROSSOVER PLATE		34	34
1		VZWSMART-P40-238X048	48" LONG, PIPE 2 SCH40 (2.375"OD X 0.154" THK)		14.6	14.6
3		VZWSMART-P40-278X048	174" LONG, PIPE 2 1/2 SCH40 (2.875"OD X 0.154" THK)		84	252

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
3	-	-	36" LONG, LL3X3x1/4	GALVANIZED	44	132
					TOTAL:	1209.6

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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DOING BUSINESS AS MASER CONSULTING

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

      PETER.ALBANO@COLLIERSENGINEERING.COM

   b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. 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

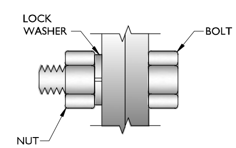
1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING 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.
7. CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS WITH ALL OSHA, ANSI/ASSP A10.48, ANSI Z49.1, AND LOCAL JURISDICTIONAL REQUIREMENTS.

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

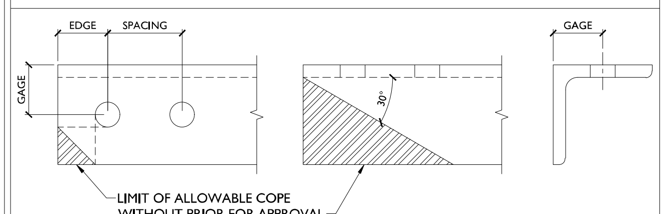


TYP. BOLT ASSEMBLY

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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STATE OF CONNECTICUT PETER MICHAEL ALBANO No. 35... PROFESSIONAL ENGINEER 10/22/21

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SITE NAME:

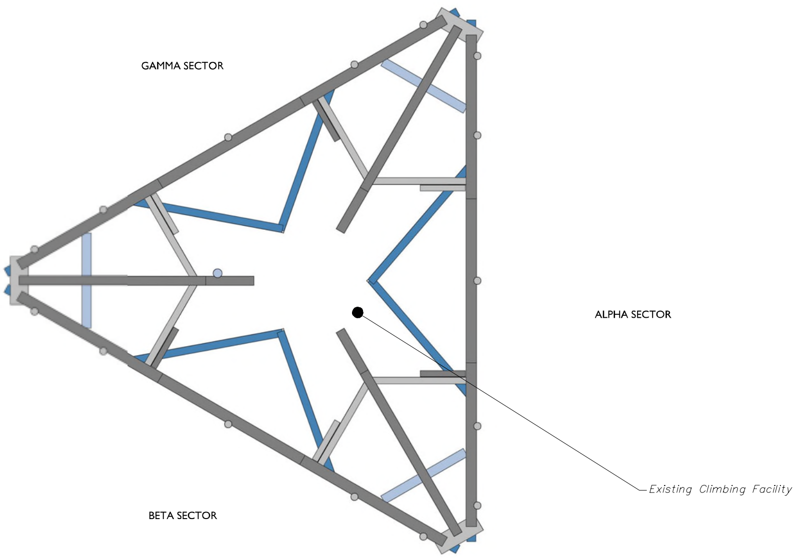
WATERBURY 3 CT
467353
299 SHEFFIELD ST.
WATERBURY , CT 06704
NEW HAVEN COUNTY

Colliers Engineering & Design
MADISON
135 New Road
Madison, CT 06443
Phone: 860.395.0055
COLLIERS ENGINEERING & DESIGN CT, P.C. DOING BUSINESS AS MASER CONSULTING

SHEET TITLE:
MODIFICATION NOTES

SHEET NUMBER:
SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



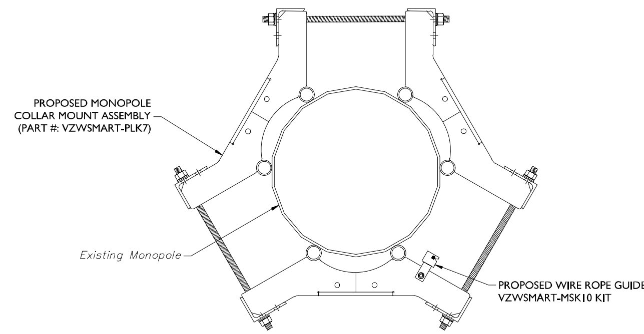
1 CLIMBING FACILITY LOCATION

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY ONSIGHT SERVICES, LLC. ON 10/1/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (147'-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.



2 PROPOSED WIRE ROPE GUIDE ATTACHMENT - PLAN VIEW

SCALE : N.T.S.

CLIMBING FACILITY PHOTO

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-	-	-	-	-
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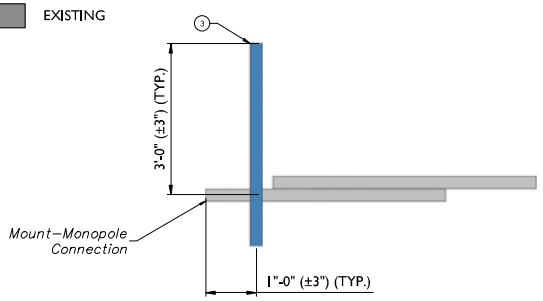
SHEET TITLE:
CLIMBING FACILITY DETAIL

SHEET NUMBER:
SCF-1

LEGEND:

- PROPOSED
- RELOCATED
- EXISTING



1 PROPOSED SIDE ELEVATION VIEW (GAMMA SECTOR ONLY)

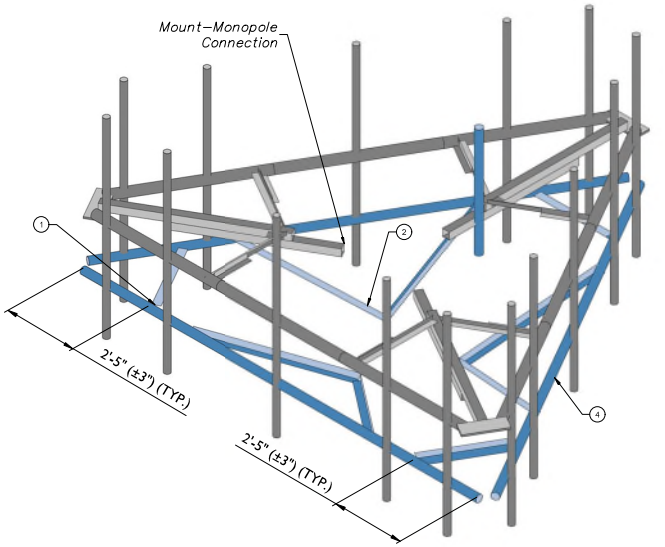
SCALE : N.T.S.

MOUNT MODIFICATION SCHEDULE

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	147'-0"	3	PROPOSED SUPPORT RAIL CORNER BRACKET (PART #: VZWSMART-PLK3) WITH 36" LONG L3X3X1/4 ANGLE	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
2		3	PROPOSED V-BRACING KIT FOR MONOPOLE (PART #: VZWSMART-PLK6)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.CONNECT OTHER END OF V-BRACING KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
3		1	PROPOSED 48" LONG, P2 STD PART #: VZWSMART-P40-238X048)	CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK
4		1	174" LONG, PIPE 2 1/2 SCH40 (2.875"OD X 0.154" THK)	CONNECT NEW HORIZONTAL TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1).

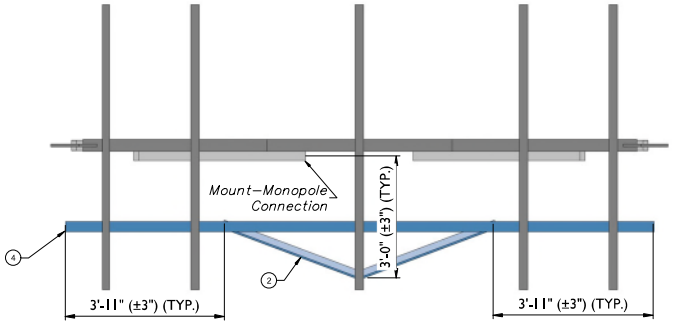
NOTES.

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



2 PROPOSED ISOMETRIC VIEW (TYP. ALL SECTORS)

SCALE : N.T.S.



3 PROPOSED FRONT ELEVATION VIEW (TYP. ALL SECTORS)

SCALE : N.T.S.

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PETER MICHAEL ALBANO
No. 35
REGISTERED
PROFESSIONAL ENGINEER
10/22/21

SITE NAME:

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SHEET TITLE:

MODIFICATION DETAILS

SHEET NUMBER:

SS-1

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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10/22/21

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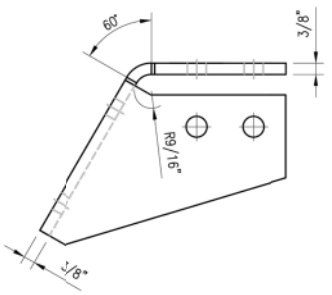
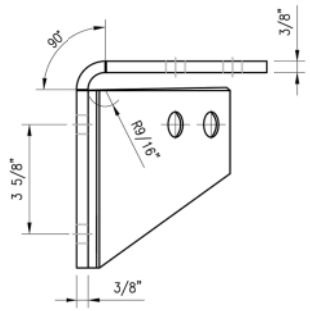
SHEET TITLE:
MOUNT PHOTOS

SHEET NUMBER:
SS-2

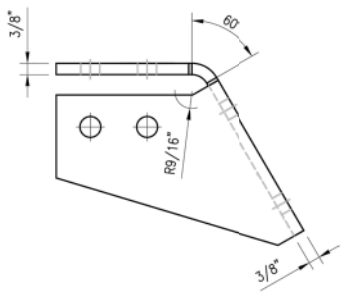


TOP VIEW

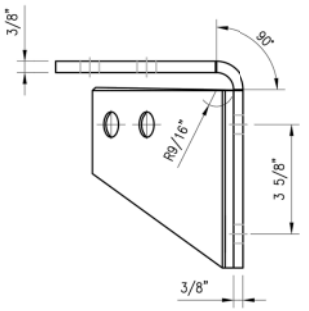


SIDE VIEW

CBP-L



TOP VIEW



SIDE VIEW

CBP-R

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

VZWSMART-PLK3 (SUPPORT RAIL CORNER BRACKET)

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

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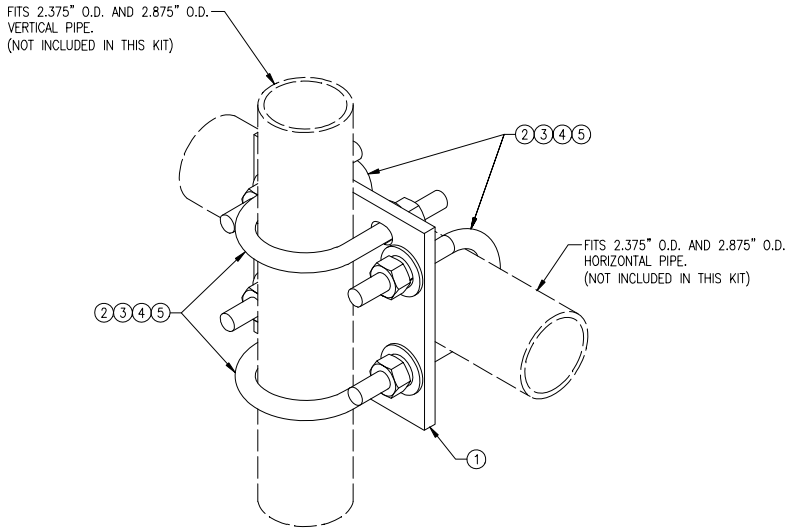
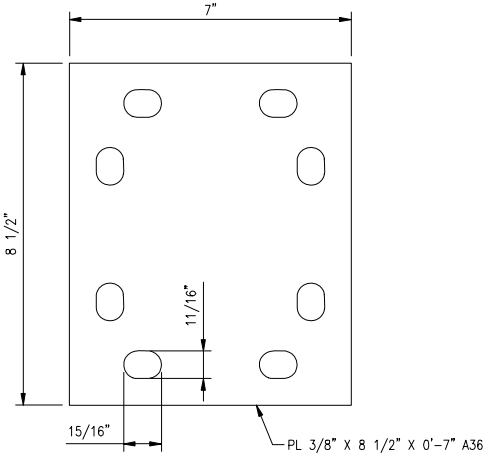
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART-PLK3
SUPPORT RAIL CORNER
BRACKET

SHEET NUMBER: VZWSMART-PLK3

REV #: 0





PL375-857

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

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

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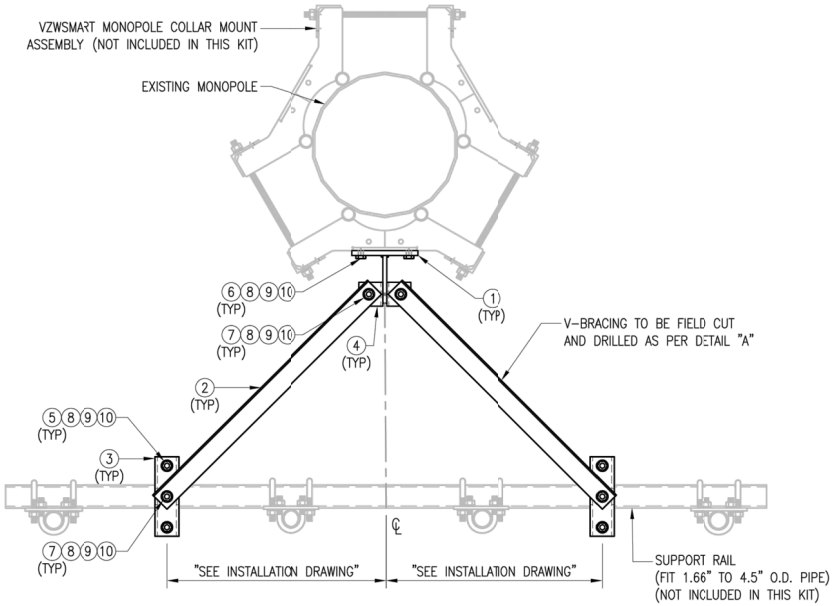
DRAWN BY: H.R	CHECKED BY: HMA

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

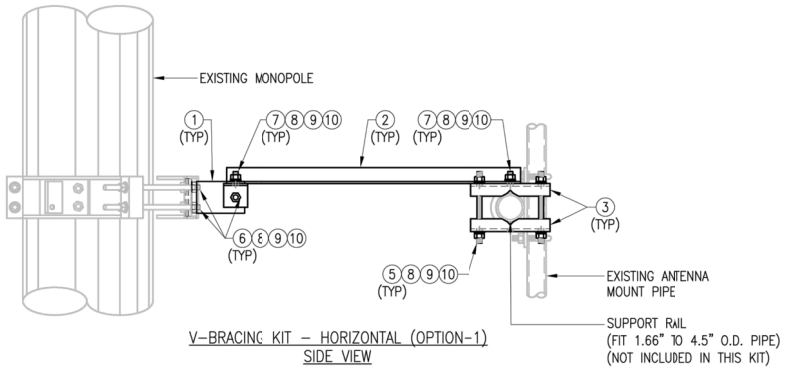
SHEET TITLE:

VZWSMART-MSK1
CROSSOVER PLATE

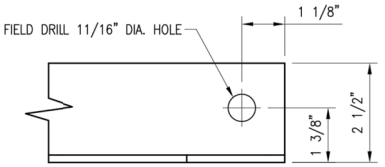
SHEET NUMBER:	REV #:
VZWSMART-MSK1	0



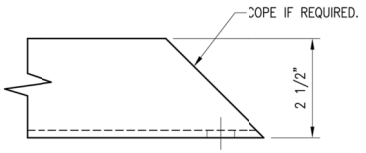
V-BRACING KIT FOR MONOPOLE
PLAN VIEW



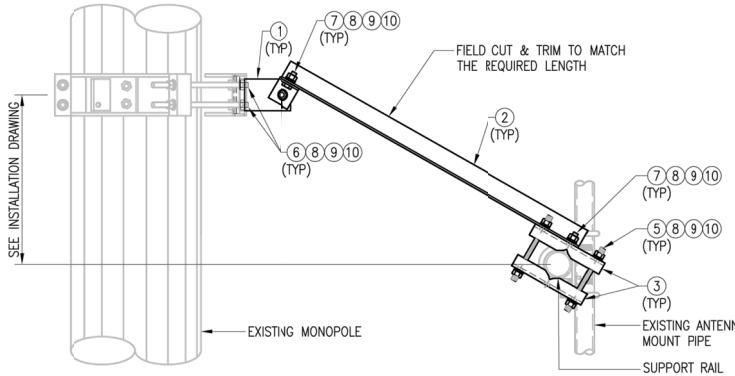
V-BRACING KIT - HORIZONTAL (OPTION-1)
SIDE VIEW



PLAN VIEW



FRONT VIEW
DETAIL "A"



V-BRACING KIT - VERTICAL (OPTION-2)
SIDE VIEW

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

VZWSMART-PLK6 (V-BRACING KIT FOR MONOPOLE)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	BRKW-6A	WELDMENT BRACKET	PLK6-F1	16
2	2	L252525-8	L 2 1/2" X 2 1/2" X 1/4" X 8'-0" A36	PLK6-F2	67
3	4	BP6875-10	PL 3/8" X 6 7/8" X 10" A36 BENT PLATE	PLK6-F2	20
5	2	AL-333	L 3" X 3" X 1/4" X 3" A36	PLK6-F2	3
5	4	---	THREADED ROD 5/8" DIA. X 10" F1554-36 HDG	---	--
6	5	---	BOLT 5/8" X 2 1/4" A325	---	--
7	4	---	BOLT 5/8" X 1 3/4" A325	---	--
8	17	FW-625	5/8" HDG USS FLAT WASHER	---	2
9	17	LW-625	5/8" HDG LOCK WASHER	---	0
10	17	NUT-625	5/8" HDG HEX NUT	---	2
				GALVANIZED WT	109

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REV.	DESCRIPTION	BY	DATE
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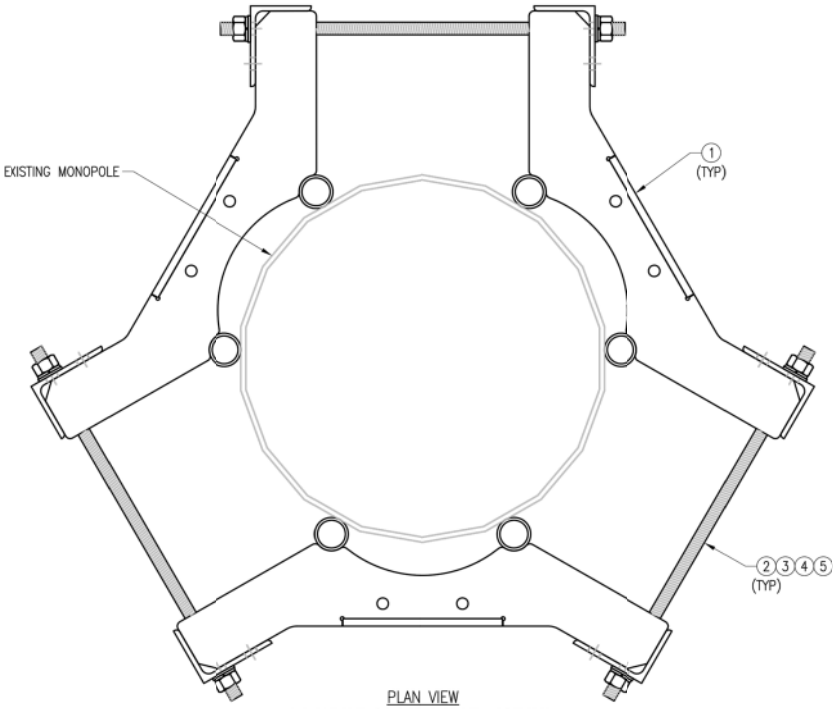
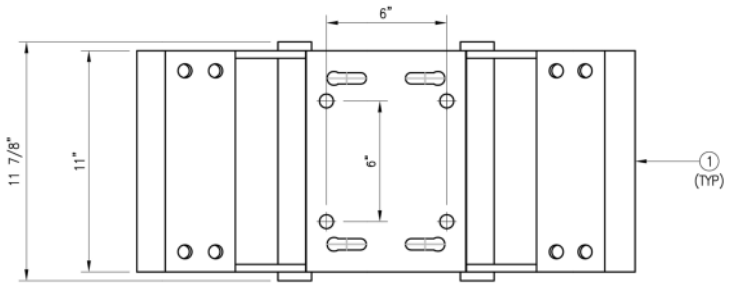
SHEET TITLE:
VZWSMART-PLK6
V-BRACING KIT FOR MONOPOLE

SHEET NUMBER: VZWSMART-PLK6
REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

NOTES:
1. FIT 12" TO 45" DIA MONOPOLE.
2. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	CM-1245	COLLAR MOUNT ASSEMBLY	PLK7-F1	147
2	6	---	THREADED ROD 5/8" X 4'-0" A193-B7	---	
3	12	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	12	LW-625	5/8" HDG LOCK WASHER	---	0
5	12	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	150

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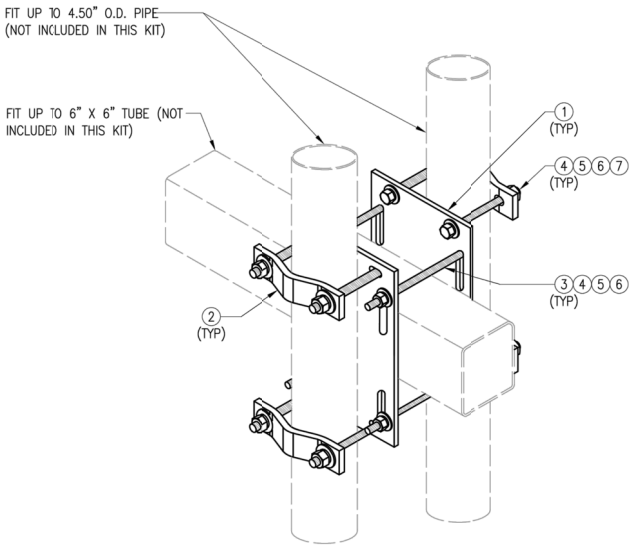
DRAWN BY: BT | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

REV #: 0



ISOMETRIC VIEW
BACK TO BACK CROSSOVER

VZWSMART-MSK6 (VZWSMART-MSK6 – BACK TO BACK CROSSOVER)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	2	PL375-8512	PL 3/8" X 8 1/2" X 1'-0" A36	MSK6-F2	20.7
2	4	VCP	PL 1/2" X 2" X 8 5/8" A36 BENT PLATE	MSK6-F1	9.6
3	4	---	THREADED ROD 5/8" DIA. X 10" F1554-36 HDG	---	---
4	16	NUT-625	5/8" HDG HEX NUT	---	2
5	16	FW-625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW-625	5/8" HDG LOCK WASHER	---	0
7	8	---	BOLT 5/8" X 6" SAE GRADE 5 ALL THREAD	---	1
				GALVANIZED WT	34

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

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REV.	DESCRIPTION	BY	DATE
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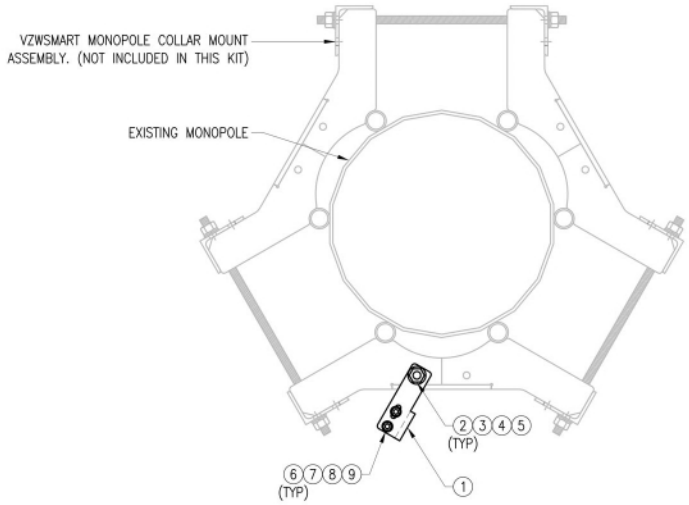
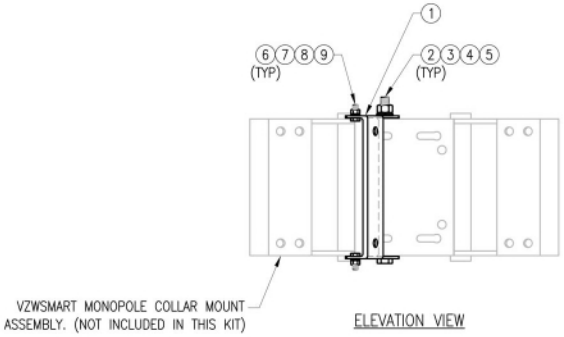
SHEET TITLE:
VZWSMART-MSK6
BACK TO BACK
CROSSOVER

SHEET NUMBER: VZWSMART-MSK6

REV #: 0



PLAN VIEW



ELEVATION VIEW

VZWSMART–MSK10 (WIRE ROPE ROUTING BRACKET)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL–CM	PL 3/16" X 6 1/2" X 2'–0 1/2" A36	MSK10–F1	2.7
2	2	---	BOLT 1/2" X 1 3/4" A325	---	0.4
3	2	FW–500	1/2" HDG USS FLAT WASHER	---	2
4	2	LW–500	1/2" HDG LOCK WASHER	---	0
5	2	NUT–500	1/2" HDG HEX NUT	---	2
6	4	---	BOLT 3/8" X 1 1/2" FULL THREAD SAE GR 5	---	0
7	4	FW–375	3/8" HDG USS FLAT WASHER	---	0
8	4	LW–375	3/8" HDG LOCK WASHER	---	0
9	4	NUT–375	3/8" HDG HEX NUT	---	0
				GALVANIZED WT	7

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

VzW SMART Tool© Vendor

verizon

DRAWN BY: SK | CHECKED BY: KW

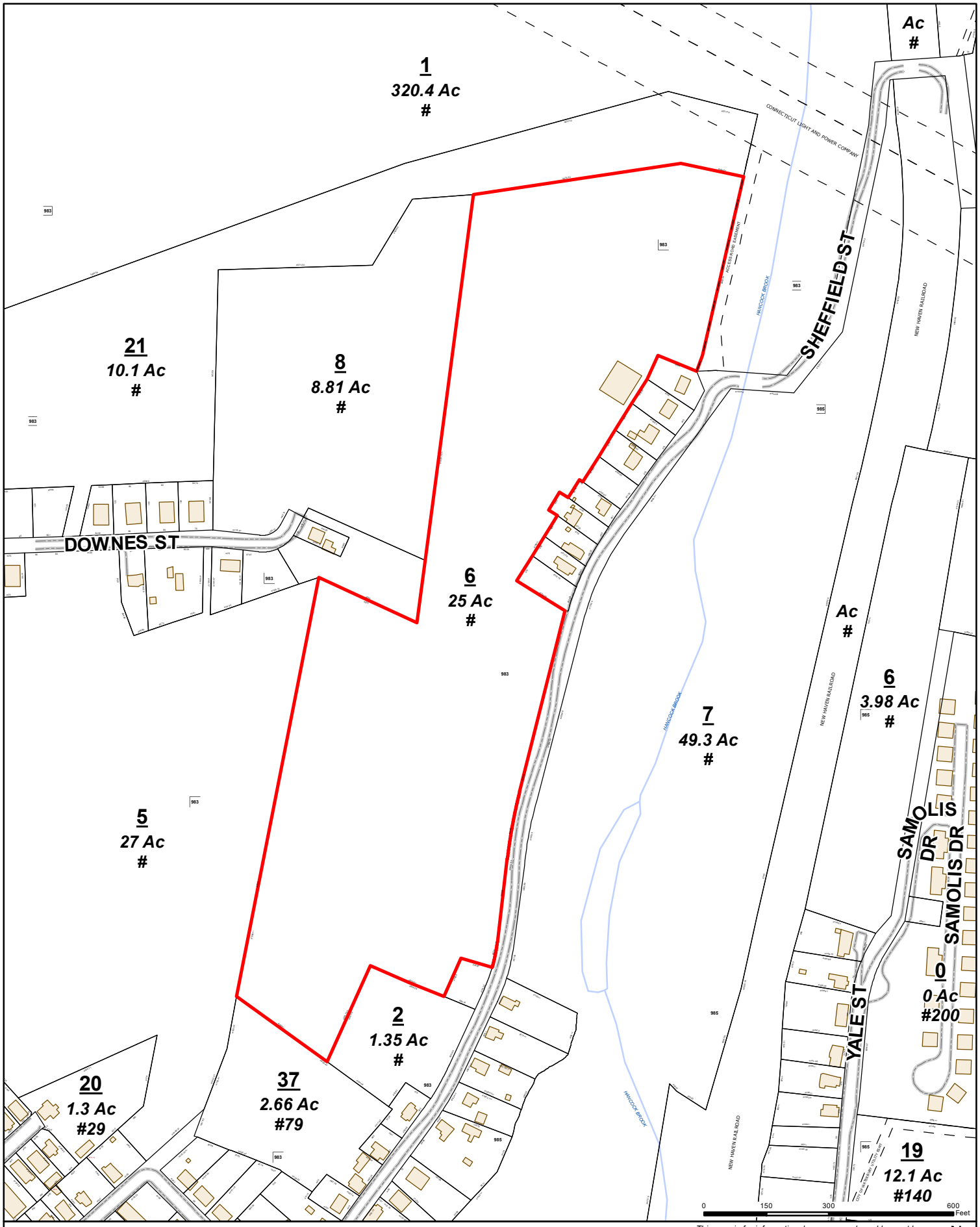
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	SK	04/13/21

SHEET TITLE:
VZWSMART–MSK10
WIRE ROPE ROUTING
BRACKET

SHEET NUMBER: VZWSMART–MSK10

REV #: 0

ATTACHMENT 5



City of Waterbury
Public Works Department

MBL: **0047-0983-0006**

ADDRESS: SHEFFIELD ST

N

Location: SHEFFIELD ST **Owner:** LEVEL DEVELOPMENT CORPORATION

Property Information:

Map Block Lot:	0047-0983-0006	**Acres:**	25
Primary Use:	Com Vac Land (5-2)	**Zone:**	RL
Neighborhood:	41000-Bucks Hill	**Vol/Page:**	5739
Mailing Address:	LEVEL DEVELOPMENT CORPORATION 293 SHEFFIELD ST WATERBURY, CT 06704		

Property Values:

	Appraised Value	**Assessed Value (70%)**
Building	0	0
Land	459607	321730
OutBuilding	3060	2140
Total	462667	323870

Sales Information:

Sale Date	**Sale Price**	**Sale Type**	**Valid sale**
2006-04-25 00:00:00.000	0	Quit Claim	No

Outbuilding Information:

Type	**Area (sq.ft)**	**Year Built**	**Condition**
Frame Shed	240sq.ft	2002	Average

Special Features:

Permit Information:

Permit Date	**Permit Number**	**Permit Type**	**Click for Details**
08/09/2013	PR20130002197	BD - Electrical	Details
06/29/2012	PR20120001784	BD - Building	Details
05/13/2019	PR20190001129	BD - Electrical	Details
02/13/2013	PR20130000309	BD - Building	Details

Planning Application:

Application Date	**Application Number**	**Application Type**	**Click for Details**

ATTACHMENT 6

WATERBURY 3

UNITED STATES POSTAL SERVICE®

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here ***Postmark with Date of Receipt.***
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 12/29/2021 US POSTAGE $002.99⁰ 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.	Neil M. O'Leary, Mayor City of Waterbury 235 Grand Street Waterbury, CT 06702				
2.	Robert Nerney, City Planner City of Waterbury 185 South Main Street, 5th Floor Waterbury, CT 06706				
3.	Level Development Corporation 293 Sheffield Street Waterbury, CT 06704				
4.					
5.					
6.					

OLD STATE HOUSE STATION 06103 DEC 29 2021 USPS