

Derek Maheux Program Manager  
c/o Cellco Partnership d/b/a Verizon Wireless  
Centerline Communications, LLC  
750 West Center Street, Suite 301  
West Bridgewater, MA 02379  
Mobile: (508)649-3407  
[Dmaheux@clinellc.com](mailto:Dmaheux@clinellc.com)

September 18, 2023

Melanie A. Bachman  
Acting Executive Director  
Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051

**RE: Notice of Exempt Modification // Site: MANSFIELD NORTH CT (ATC: 376047)  
1725 Stafford Road, Storrs Mansfield CT 06268  
N 41.835953 // W -72.307847**

Dear Ms. Bachman,

Cellco Partnership d/b/a Verizon Wireless currently maintains twelve (12) antenna at the 174-ft level on the existing 170ft tower, located at 1725 Stafford Road, Storrs, CT. The tower is owned by American Tower. The Council approved Verizon Wireless use of the existing tower in January 2002. Verizon Wireless proposed modification involves the installation of two (2) interference mitigation filters on Verizon Wireless existing antenna platform and mounting assembly.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §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 Waterford'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). Enclosed to accommodate this filing are construction drawings dated September 6, 2023, by A.T. Engineering Services, LLC, a structural analysis dated August 18, 2023, by American Tower Corp., and a structural mount analysis by Colliers Engineering and Design date August 3, 2023, and Non-Ionizing Electromagnetic Radiation (NIER) Study dated August 31, 2023 by Tower Engineering Professionals.

1. The proposed modifications will not result in an increase in the height of the existing structure.
2. The proposed modifications 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 operation of the new antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading, as shown in the attached structural analysis and a structural mount analysis pursuant to certain conditions defined therein.

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

Sincerely,

*Derek Maheux*

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c/o Cellco Partnership d/b/a Verizon Wireless  
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750 West Center Street, Suite 301  
West Bridgewater, MA 02379  
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[Dmaheux@clinellc.com](mailto:Dmaheux@clinellc.com)

Attachments

cc: Antonia Moran – Mayor – Chief Elected Official  
Jennifer Kaufman, Director of Planning and Development- as P&Z official  
American Tower Corporation - as tower owner  
Town of Manfield – as ground owner

# EXHIBIT 1





ATC SITE NAME: MANSFIELD CENTER 2 CT  
ATC SITE NUMBER: 376047  
VERIZON SITE NAME: MANSFIELD NORTH CT  
VERIZON SITE NUMBER: 5000243620  
VERIZON FUZE PID: 17123889  
SITE ADDRESS: 1725 STAFFORD ROAD  
STORRS MANSFIELD, CT 06268



**BIRD WATCH SITE:**  
PLEASE CONTACT BIRD.WATCH@AMERICANTOWER.COM OR  
AMERICAN TOWER NOC AT 877-518-6937 FOR ASSISTANCE



THE USE AND PUBLICATION OF THESE DRAWINGS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY ARE PREPARED. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO AMERICAN TOWER OR THE SPECIFIED CARRIER IS STRICTLY PROHIBITED. NEITHER THE ARCHITECT NOR THE ENGINEER WILL BE PROVIDING ON-SITE CONSTRUCTION REVIEW OF THIS PROJECT. CONTRACTOR(S) MUST VERIFY ALL DIMENSIONS AND ADVISE AMERICAN TOWER OR THE SPECIFIED CARRIER OF ANY DISCREPANCIES. ANY PRIOR ISSUANCE OF THIS DRAWING IS SUPERSEDED BY THE LATEST VERSION.

ATC SITE NUMBER:  
376047  
ATC SITE NAME:  
MANSFIELD CENTER 2 CT  
VERIZON SITE NAME:  
MANSFIELD NORTH CT  
SITE ADDRESS:  
1725 STAFFORD ROAD  
STORRS MANSFIELD, CT 06268

STATE OF CONNECTICUT  
SCOTT A. WIRGAU  
30575  
LICENSED PROFESSIONAL ENGINEER



# TITLE SHEET

G-001

1

[illegible]



GENERAL CONSTRUCTION NOTES:

1.

OWNER FURNISHED MATERIALS, VERIZON "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL

A.

BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)

B.

AC/TELCO INTERFACE BOX (PPC)

C.

ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)

D.

TOWERS, MONOPOLES

E.

TOWER LIGHTING

F.

GENERATORS & LIQUID PROPANE TANK

G.

ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING

H.

ANTENNAS (INSTALLED BY OTHERS)

I.

TRANSMISSION LINE

J.

TRANSMISSION LINE JUMPERS

K.

TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS

L.

TRANSMISSION LINE GROUND KITS

M.

HANGERS

N.

HOISTING GRIPS

O.

BTS EQUIPMENT
2.

THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUB-FRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES, COPPER-CLAD OR XIT CHEMICAL GROUND ROD(S), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF VERIZON TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS.
3.

ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4.

CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5.

CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6.

ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
7.

DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8.

DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9.

THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10.

CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
11.

CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
12.

INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE VERIZON REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE VERIZON REP PRIOR TO PROCEEDING.
13.

EACH CONTRACTOR SHALL COOPERATE WITH THE VERIZON REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14.

CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE VERIZON CONSTRUCTION MANAGER.
15.

ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16.

WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE VERIZON REP AND ENGINEER OF RECORD IMMEDIATELY.
17.

CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18.

CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19.

CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20.

CONTRACTOR SHALL FURNISH VERIZON AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21.

PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.
22.

PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23.

CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON SPECIFICATIONS AND REQUIREMENTS.
24.

CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO VERIZON FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25.

ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
26.

THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
27.

CONTRACTOR SHALL NOTIFY VERIZON REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
28.

WHEN THE PROJECT SCOPE REQUIRES THE USE OF THE SAFETY CLIMB, THE GENERAL CONTRACTOR SHALL ENSURE THE SAFETY CLIMB IS FREE OF OBSTRUCTIONS, NOT RUBBING ON OR TRAPPED BY ANY INSTALLED CUSTOMER EQUIPMENT, IS VISUALLY TAUT, MEETS MANUFACTURER INSTALLATION SPECIFICATIONS, AND IS FIRMLY SECURED AT ALL CABLE GUIDE LOCATIONS UPON PROJECT COMPLETION.
29.

COMPLETION OF PROJECT SHALL NOT OBSTRUCT, TRAP, LOOSEN, OR OTHERWISE CAUSE FAILURE TO MEET MANUFACTURER INSTALLATION REQUIREMENTS FOR THE SAFETY CLIMB.
30.

CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
31.

THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
32.

ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE VERIZON REP. ANY WORK FOUND BY THE VERIZON REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
33.

IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
34.

VERIZON FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE VERIZON WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
35.

VERIZON OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO VERIZON OR THEIR ARCHITECT/ENGINEER.

- B.

ALL COAXIAL/HYBRID CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL/HYBRID CABLE (NOT WITHIN BENDS)

SPECIAL CONSTRUCTION

ANTENNA INSTALLATION NOTES:

1.

WORK INCLUDED:

A.

ANTENNA AND COAXIAL/HYBRID CABLES ARE FURNISHED BY VERIZON UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL.

B.

INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND VERIZON SPECIFICATIONS.

C.

INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.

D.

INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE.

E.

INSTALL COAXIAL/HYBRID CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL/HYBRID CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.
2.

ANTENNA AND COAXIAL/HYBRID CABLE GROUNDING:

A.

ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #221213 OR EQUAL.

ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DESIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING OR ANY CHANGES FROM THE DESIGN CONDUCTED WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.



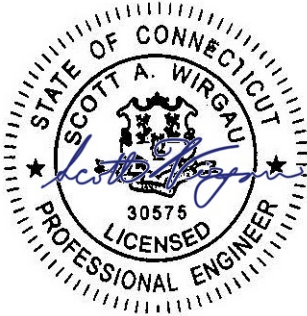
**AMERICAN TOWER®**  
**A.T. ENGINEERING SERVICES LLC**  
3500 REGENCY PARKWAY  
SUITE 100  
CARY, NC 27518  
PHONE: (919) 468-0112  
PEC.0001553

THE USE AND PUBLICATION OF THESE DRAWINGS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY ARE PREPARED. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO AMERICAN TOWER OR THE SPECIFIED CARRIER IS STRICTLY PROHIBITED. NEITHER THE ARCHITECT NOR THE ENGINEER WILL BE PROVIDING ON-SITE CONSTRUCTION REVIEW OF THIS PROJECT. CONTRACTOR(S) MUST VERIFY ALL DIMENSIONS AND ADVISE AMERICAN TOWER OR THE SPECIFIED CARRIER OF ANY DISCREPANCIES. ANY PRIOR ISSUANCE OF THIS DRAWING IS SUPERSEDED BY THE LATEST VERSION.

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	JLR	8/23/2023

ATC SITE NUMBER:  
**376047**  
ATC SITE NAME:  
**MANSFIELD CENTER 2 CT**  
VERIZON SITE NAME:  
**MANSFIELD NORTH CT**  
SITE ADDRESS:  
1725 STAFFORD ROAD  
STORRS MANSFIELD, CT 06268

SEAL:



Digitally Signed: 2023-09-06



ATC JOB NO:	14519489_G0
CUSTOMER ID:	MANSFIELD NORTH CT
CUSTOMER #:	5000243620

GENERAL NOTES

SHEET NUMBER: <b>G-002</b>	REVISION: <b>0</b>
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SITE PLAN NOTES:

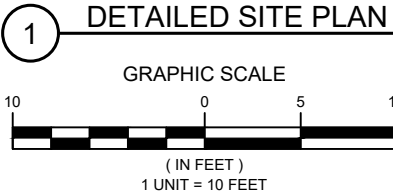
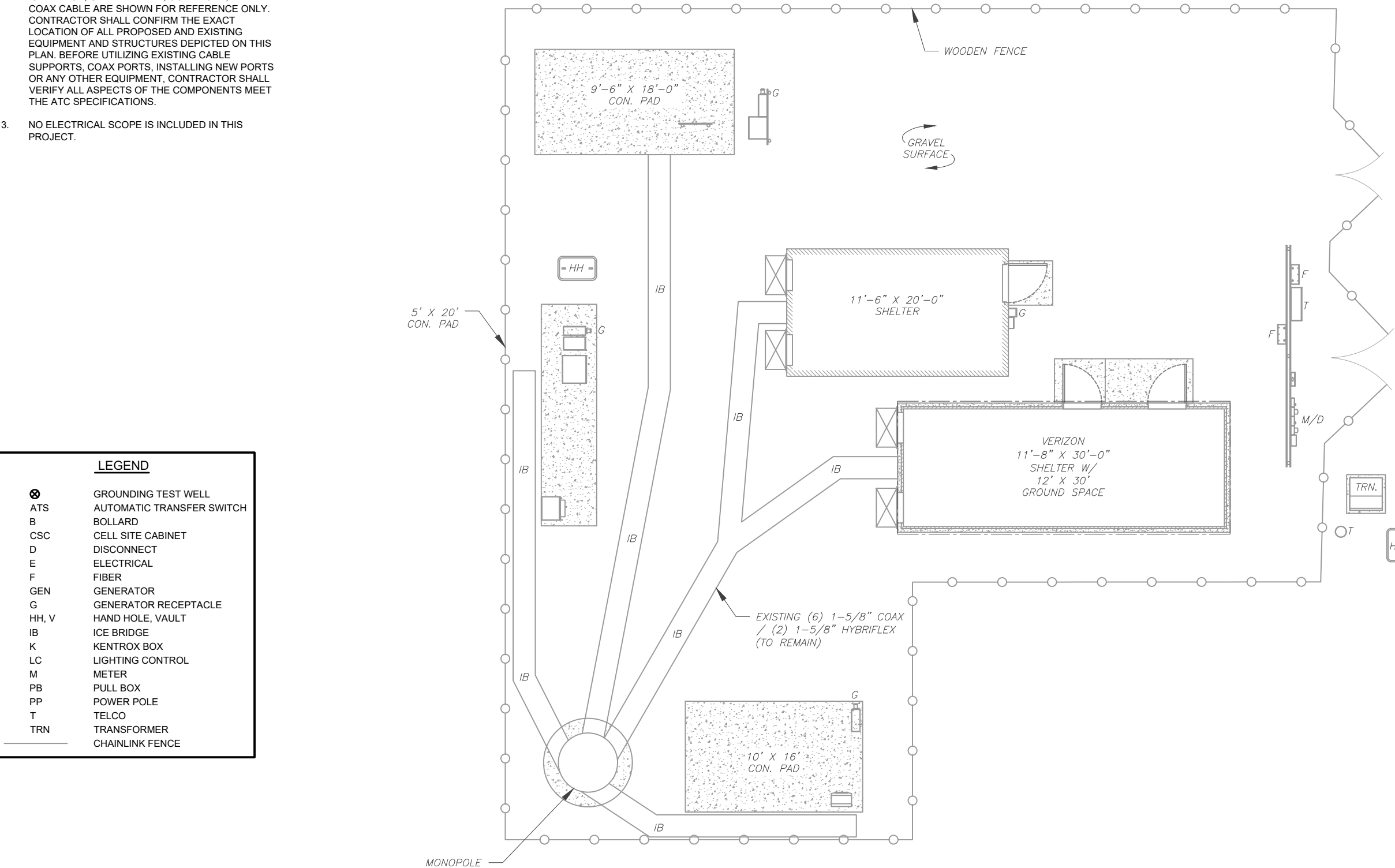
1.


THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
2.

ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
3.

NO ELECTRICAL SCOPE IS INCLUDED IN THIS PROJECT.

LEGEND	
	GROUNDING TEST WELL
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
CSC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR RECEPTACLE
HH, V	HAND HOLE, VAULT
IB	ICE BRIDGE
K	KENTROX BOX
LC	LIGHTING CONTROL
M	METER
PB	PULL BOX
PP	POWER POLE
T	TELCO
TRN	TRANSFORMER
	CHAINLINK FENCE





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REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	JLR	8/23/2023
1			
2			
3			
4			

ATC SITE NUMBER:  
**376047**


ATC SITE NAME:  
**MANSFIELD CENTER 2 CT**

VERIZON SITE NAME:  
**MANSFIELD NORTH CT**

SITE ADDRESS:  
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STORRS MANSFIELD, CT 06268



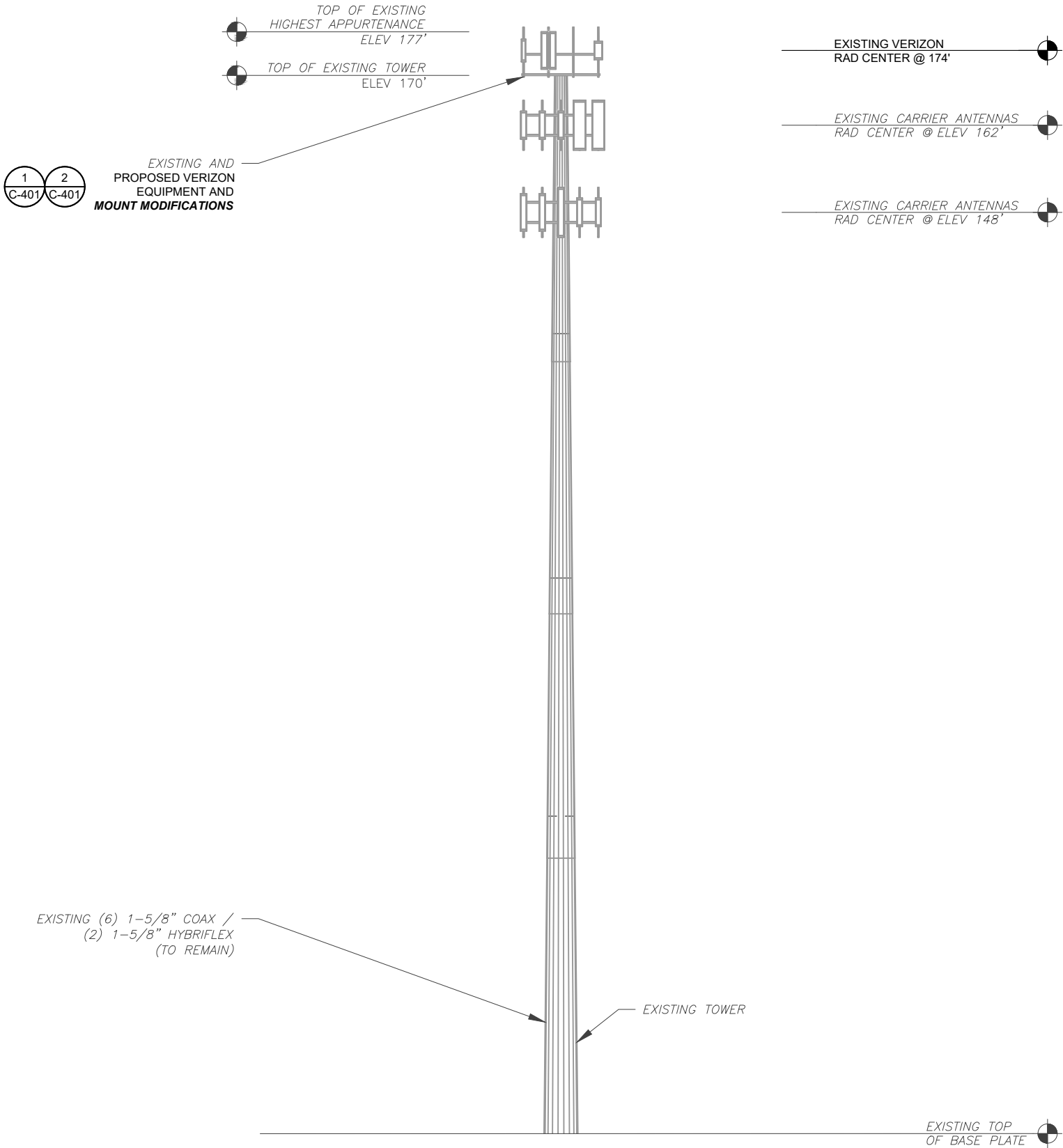
Digitally Signed: 2023-09-06




ATC JOB NO: 14519489\_G0  
CUSTOMER ID: MANSFIELD NORTH CT  
CUSTOMER #: 5000243620

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
<b>C-101</b>	<b>0</b>



PER MOUNT ANALYSIS COMPLETED BY COLLIERS ENGINEERING & DESIGN CT, PC, DATED 08/03/2023, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.



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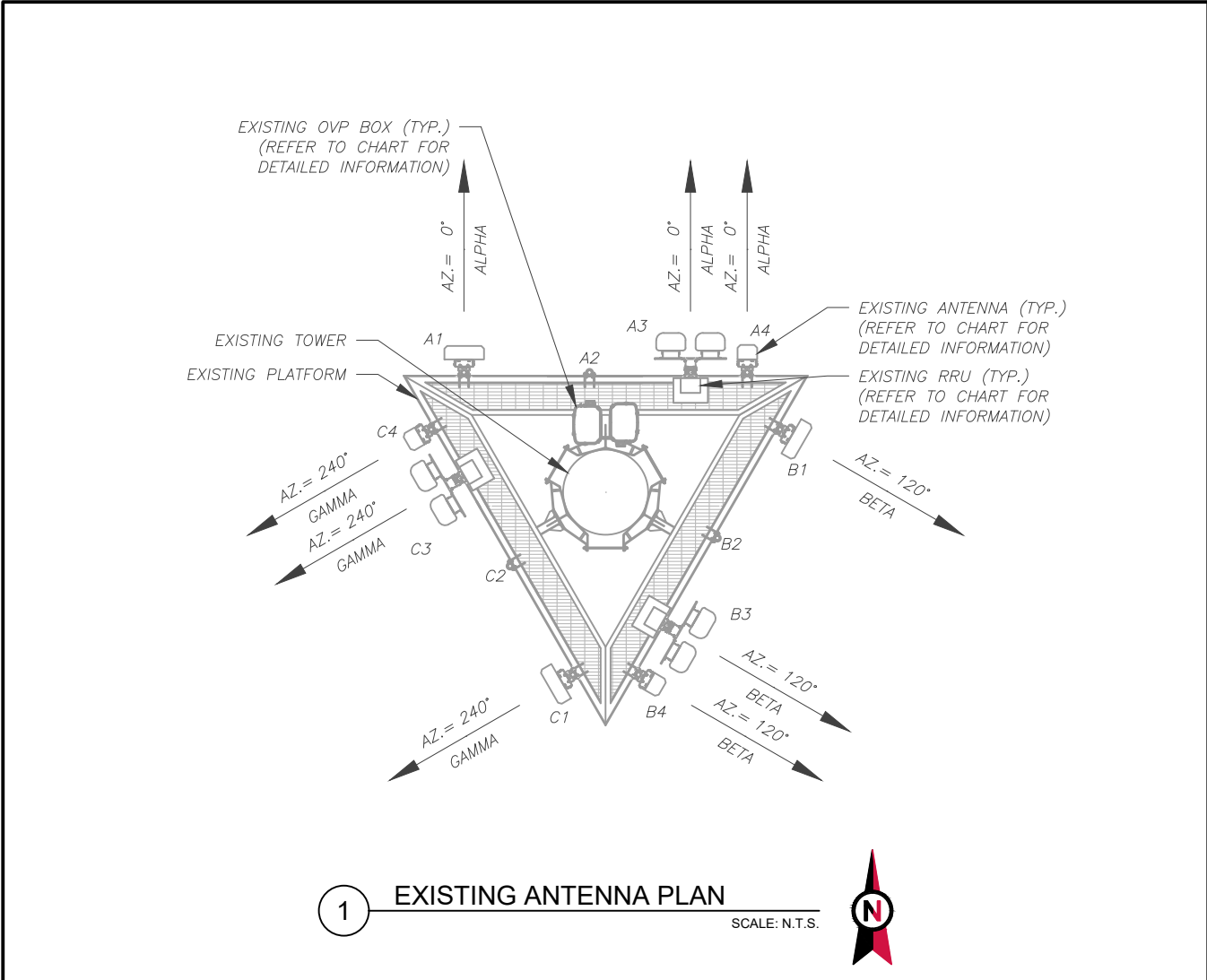
Digitally Signed: 2023-09-06



ATC JOB NO:	14519489_G0
CUSTOMER ID:	MANSFIELD NORTH CT
CUSTOMER #:	5000243620

TOWER ELEVATION	
SHEET NUMBER: <b>C-201</b>	REVISION: <b>0</b>

- TOWER NOTE:**
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS. WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
  - TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)
  - TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.



PER MOUNT ANALYSIS COMPLETED BY COLLIERS ENGINEERING & DESIGN CT, PC, DATED 08/03/2023, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.

1  
C-501

PROPOSED MOUNT MODIFICATIONS  
(REFER TO SHEETS AT THE END OF THIS PLAN SET)

PROPOSED FILTER (TYP.)  
(REFER TO CHART FOR DETAILED INFORMATION)

EXISTING ANTENNA (TYP.)  
(REFER TO CHART FOR DETAILED INFORMATION)

EXISTING RRU (TYP.)  
(REFER TO CHART FOR DETAILED INFORMATION)

EXISTING TOWER

EXISTING PLATFORM

AZ = 0° ALPHA

AZ = 0° ALPHA

AZ = 0° ALPHA

AZ = 240° GAMMA

AZ = 240° GAMMA

AZ = 120° BETA

AZ = 120° BETA

AZ = 240° GAMMA

AZ = 120° BETA

2 FINAL ANTENNA PLAN

SCALE: N.T.S.

EXISTING ANTENNA SCHEDULE								
LOCATION			ANTENNA SUMMARY				NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	174'	0°	A1	MT6407-77A	-	RMN	-	-
			A2	-	-	-	-	-
			A3	(2) NHH-65B-R2B	-	RMN	B2/B66A RRH-BR049 B5/B13 RRH-BR04C	RMN
			A4	BXA-70080-4BF-EDIN-X	-	RMN	-	-
BETA	174'	120°	B1	MT6407-77A	-	RMN	-	-
			B2	-	-	-	-	-
			B3	(2) NHH-65B-R2B	-	RMN	B2/B66A RRH-BR049 B5/B13 RRH-BR04C	RMN
			B4	BXA-70080-4BF-EDIN-X	-	RMN	-	-
GAMMA	174'	240°	C1	MT6407-77A	-	RMN	-	-
			C2	-	-	-	-	-
			C3	(2) NHH-65B-R2B	-	RMN	B2/B66A RRH-BR049 B5/B13 RRH-BR04C	RMN
			C4	BXA-70080-4BF-EDIN-X	-	RMN	-	-

NOTES
1. CONFIRM WITH VERIZON REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.
2. CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.
STATUS ABBREVIATIONS
RMV: TO BE REMOVED
RMN: TO REMAIN
REL: TO BE RELOCATED
ADD: TO BE ADDED
CABLE LENGTHS FOR JUMPERS
JUNCTION BOX TO RRU: 15'
RRU TO ANTENNA: 10'

FINAL ANTENNA SCHEDULE								
LOCATION			ANTENNA SUMMARY				NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	174'	0°	A1	MT6407-77A	-	RMN	-	-
			A2	-	-	-	-	-
			A3	(2) NHH-65B-R2B	-	RMN	B2/B66A RRH-BR049 B5/B13 RRH-BR04C	RMN
			A4	BXA-70080-4BF-EDIN-X	-	RMN	-	-
BETA	174'	120°	B1	MT6407-77A	-	RMN	-	-
			B2	-	-	-	-	-
			B3	(2) NHH-65B-R2B	-	RMN	B2/B66A RRH-BR049 B5/B13 RRH-BR04C	RMN
			B4	BXA-70080-4BF-EDIN-X	-	RMN	-	-
GAMMA	174'	240°	C1	MT6407-77A	-	RMN	-	-
			C2	-	-	-	-	-
			C3	(2) NHH-65B-R2B	-	RMN	B2/B66A RRH-BR049 B5/B13 RRH-BR04C	RMN
			C4	BXA-70080-4BF-EDIN-X	-	RMN	(2) KA-6030	ADD

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY	
MODEL NUMBER	STATUS	CABLE QTY, SIZE, TYPE	STATUS
(2) RVZDC-6627-PF-48	RMN	(6) 1-5/8" COAX / (2) 1-5/8" HYBRIFLEX	RMN

3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY	
MODEL NUMBER	STATUS	CABLE QTY, SIZE, TYPE	STATUS
(2) RVZDC-6627-PF-48	RMN	(6) 1-5/8" COAX / (2) 1-5/8" HYBRIFLEX	RMN



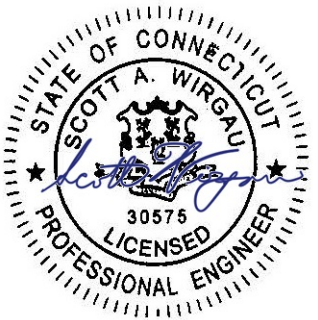
**AMERICAN TOWER®**  
**A.T. ENGINEERING SERVICES LLC**  
3500 REGENCY PARKWAY  
SUITE 100  
CARY, NC 27518  
PHONE: (919) 468-0112  
PEC.0001553

THE USE AND PUBLICATION OF THESE DRAWINGS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY ARE PREPARED. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO AMERICAN TOWER OR THE SPECIFIED CARRIER IS STRICTLY PROHIBITED. NEITHER THE ARCHITECT NOR THE ENGINEER WILL BE PROVIDING ON-SITE CONSTRUCTION REVIEW OF THIS PROJECT. CONTRACTOR(S) MUST VERIFY ALL DIMENSIONS AND ADVISE AMERICAN TOWER OR THE SPECIFIED CARRIER OF ANY DISCREPANCIES. ANY PRIOR ISSUANCE OF THIS DRAWING IS SUPERSEDED BY THE LATEST VERSION.

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	JLR	8/23/2023

ATC SITE NUMBER:  
376047  
ATC SITE NAME:  
MANSFIELD CENTER 2 CT  
VERIZON SITE NAME:  
MANSFIELD NORTH CT  
SITE ADDRESS:  
1725 STAFFORD ROAD  
STORRS MANSFIELD, CT 06268

SEAL:



Digitally Signed: 2023-09-06



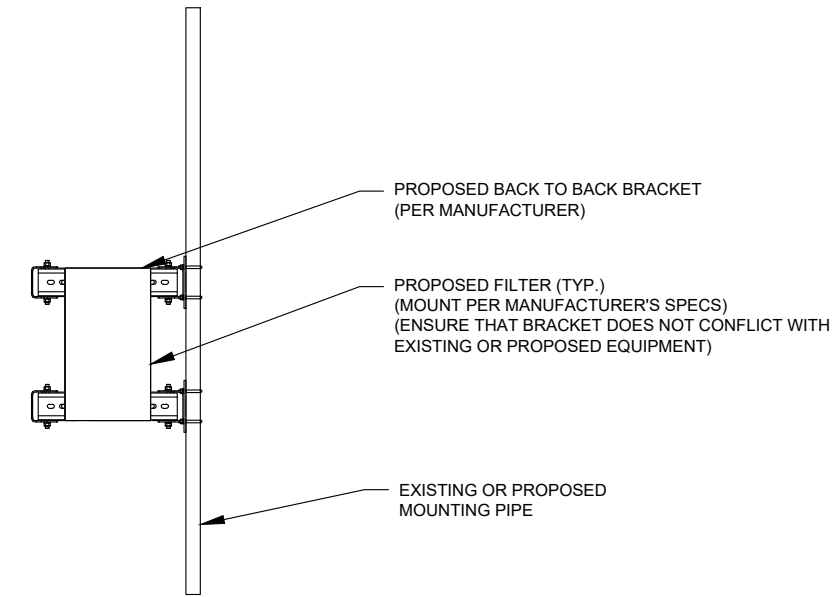
ATC JOB NO:	14519489_G0
CUSTOMER ID:	MANSFIELD NORTH CT
CUSTOMER #:	5000243620

ANTENNA INFORMATION  
& SCHEDULE

SHEET NUMBER: <b>C-401</b>	REVISION: <b>0</b>
-------------------------------	-----------------------



EXISTING/PROPOSED MOUNTS AND/OR MOUNT MODIFICATIONS NOT SHOWN FOR CLARITY. REFER TO ANTENNA PLANS, MOUNT ANALYSES AND/OR MOUNT MODIFICATION DOCUMENTS FOR ADDITIONAL DETAIL.



1 PROPOSED FILTER MOUNTING DETAIL - TYPICAL  
SCALE: N.T.S.



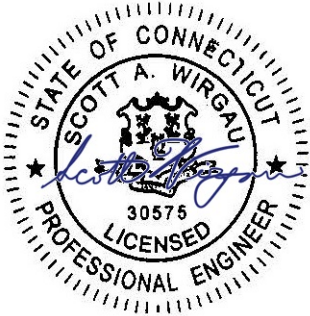
**AMERICAN TOWER®**  
**A.T. ENGINEERING SERVICES LLC**  
3500 REGENCY PARKWAY  
SUITE 100  
CARY, NC 27518  
PHONE: (919) 468-0112  
PEC.0001553

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REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	JLR	8/23/2023

ATC SITE NUMBER:  
**376047**  
ATC SITE NAME:  
**MANSFIELD CENTER 2 CT**  
VERIZON SITE NAME:  
**MANSFIELD NORTH CT**  
SITE ADDRESS:  
1725 STAFFORD ROAD  
STORRS MANSFIELD, CT 06268

SEAL:



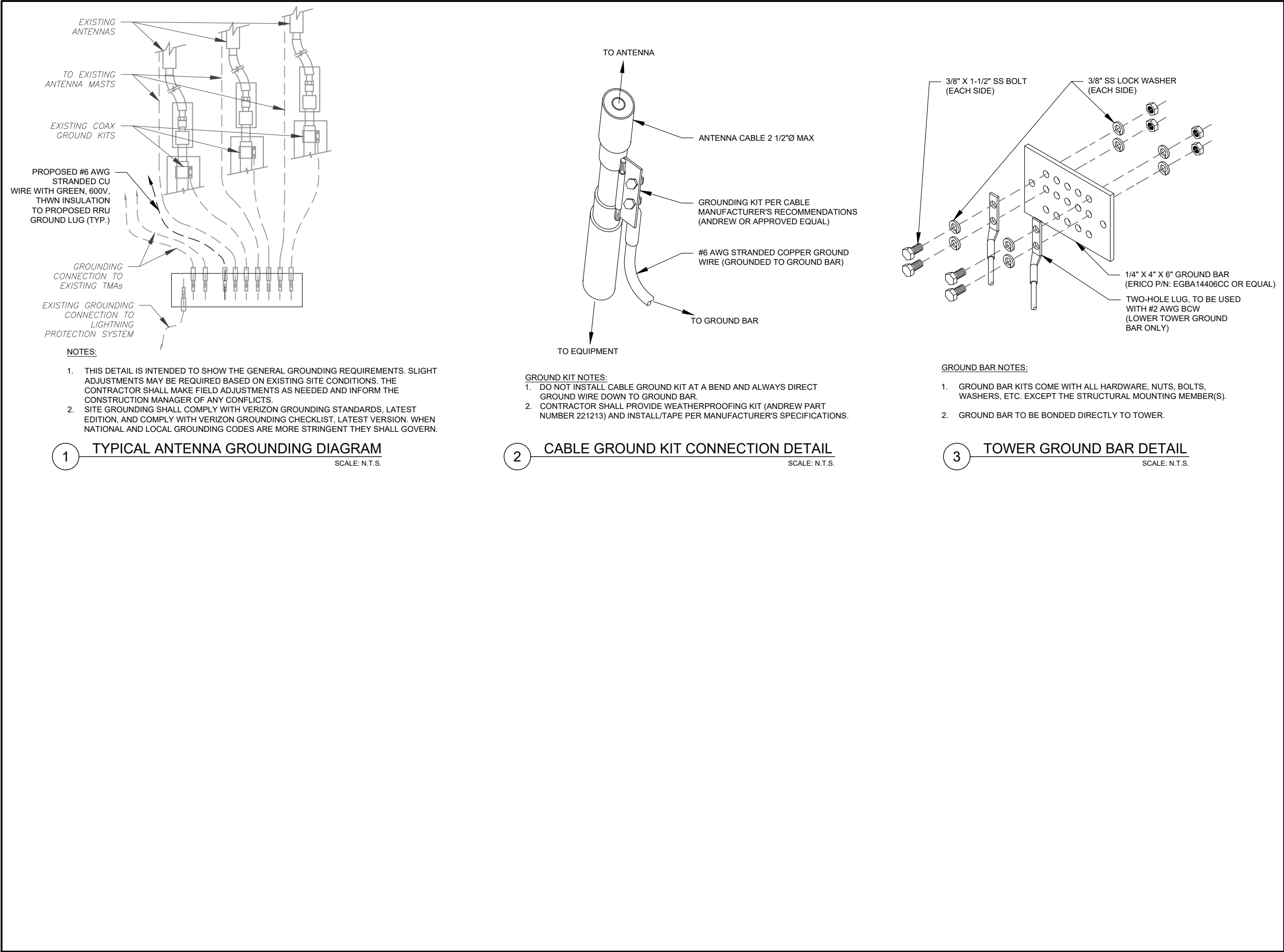
Digitally Signed: 2023-09-06



ATC JOB NO:	14519489_G0
CUSTOMER ID:	MANSFIELD NORTH CT
CUSTOMER #:	5000243620

CONSTRUCTION  
DETAILS

SHEET NUMBER:	REVISION:
C-501	0



**AMERICAN TOWER®**  
**A.T. ENGINEERING SERVICES LLC**  
3500 REGENCY PARKWAY  
SUITE 100  
CARY, NC 27518  
PHONE: (919) 468-0112  
PEC.0001553

THE USE AND PUBLICATION OF THESE DRAWINGS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY ARE PREPARED. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO AMERICAN TOWER OR THE SPECIFIED CARRIER IS STRICTLY PROHIBITED. NEITHER THE ARCHITECT NOR THE ENGINEER WILL BE PROVIDING ON-SITE CONSTRUCTION REVIEW OF THIS PROJECT. CONTRACTOR(S) MUST VERIFY ALL DIMENSIONS AND ADVISE AMERICAN TOWER OR THE SPECIFIED CARRIER OF ANY DISCREPANCIES. ANY PRIOR ISSUANCE OF THIS DRAWING IS SUPERSEDED BY THE LATEST VERSION.

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	JLR	8/23/2023

ATC SITE NUMBER:  
**376047**  
ATC SITE NAME:  
**MANSFIELD CENTER 2 CT**  
VERIZON SITE NAME:  
**MANSFIELD NORTH CT**  
SITE ADDRESS:  
1725 STAFFORD ROAD  
STORRS MANSFIELD, CT 06268

SEAL:

Digitally Signed: 2023-09-06

ATC JOB NO:	14519489_G0
CUSTOMER ID:	MANSFIELD NORTH CT
CUSTOMER #:	5000243620

**GROUNDING DETAILS**

SHEET NUMBER: <b>E-501</b>	REVISION: <b>0</b>
-------------------------------	-----------------------



Colliers Engineering & Design CT, PC  
1055 Washington Boulevard  
Stamford, CT 06901  
203.324.0800  
peter.albano@colliersengineering.com

Mount Structural Analysis Report  
(1) 14.00-Ft Platform

August 3, 2023  
Site ID: 5000243620-VZW / MANSFIELD NORTH CT  
Page | 5

Requirements:

The existing mount is **SUFFICIENT** for the final loading configuration shown in attachment 2 and do not require modifications. Additional requirements are noted below.

Contractor shall install the proposed filter units on new Site Pro 1 Dual Swivel Mount Kit (Part #: RRUDSM or EOR approved equivalent) in the location shown in the placement diagrams.

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

Attachments:

- 1. Contractor Required Post Installation Inspection (PMI) Report Deliverables
- 2. Antenna Placement Diagrams
- 3. Mount Photos
- 4. Mount Mapping Report (for reference only)
- 5. Analysis Calculations

Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10208060  
Colliers Engineering & Design CT, P.C., Project #: 23777215

August 3, 2023

Site Information

Site ID: 5000243620-VZW / MANSFIELD NORTH CT  
Site Name: MANSFIELD NORTH CT  
Carrier Name: Verizon Wireless  
Address: 1725 Stafford Road  
Mansfield, Connecticut 06268  
Tolland County  
Latitude: 41.836000°  
Longitude: -72.307611°

Structure Information

Tower Type: 170-Ft Monopole  
Mount Type: 14.00-Ft Platform

FUZE ID # 17123889

Analysis Results

Platform: 68.9% Pass\*

\*Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.

\*\*\*Contractor PMI Requirements:  
Included at the end of this MA report  
Available & Submitted via portal at <https://pmi.vzwsmart.com>

For additional questions and support, please reach out to:  
[pmisupport@colliersengineering.com](mailto:pmisupport@colliersengineering.com)

Report Prepared By: Gilberto Martinez



NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT. PLEASE REFERENCE THE MOUNT ANALYSIS REPORT FOR COMPLETE MOUNT ANALYSIS CALCULATIONS AND DETAILS. SUPPLEMENTAL PAGES INCLUDED IN THE CONSTRUCTION DRAWINGS ARE FOR REFERENCE ONLY. GENERAL CONTRACTOR IS TO VERIFY THEY HAVE THE MOST RECENT MOUNT ANALYSIS PRIOR TO CONTRUCTION.

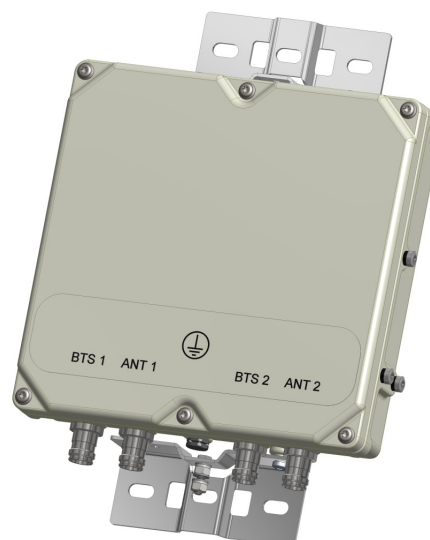
# KA-6030

## TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

The KA-6030 is ideal for co-located 700, 850 and 900 networks. Utilising a 2.6MHz guardband the KA-6030 provides rejection of the 900 UL band while passing 700/850 UL and DL bands. Capable of being used in an outdoor environment the KA-6030 contains two identical bandstop filters, suitable for 2x2 MIMO configuration, offering excellent insertion loss, group delay and rejection.

### FEATURES

- Passes full 700 and 850 bands
- Low insertion loss
- Rejection of 900MHz uplink
- DC/AISG pass
- Twin unit
- Dual twin mounting available



### TECHNICAL SPECIFICATIONS

BAND NAME	700 PATH / 850 UPLINK PATH	850 DOWNLINK PATH
Passband	698 - 849MHz	869 - 891.5MHz
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum
Return loss	24dB typical, 18dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz
Rejection	53dB minimum @ 894.1 - 896.5MHz	

#### ELECTRICAL

Impedance	50Ohms
Intermodulation products	-160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -153dBc maximum with 2 x 43dBm

#### DC / AISG

Passband	0 - 13MHz
Insertion loss	0.3dB maximum
Return loss	15dB minimum
Input voltage range	± 33V
DC current rating	2A continuous, 4A peak
Compliance	3GPP TS 25.461

#### ENVIRONMENTAL

For further details of environmental compliance, please contact Kaelus.

Temperature range	-20°C to +60°C   -4°F to +140°F
Ingress protection	IP67
Altitude	2600m   8530ft
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection circuits.
MTBF	>1,000,000 hours
Compliance	ETSI EN 300 019 class 4.1H, RoHS, NEBS GR-487-CORE

#### MECHANICAL

Dimensions H x D x W	269 x 277 x 80mm   10.60 x 10.90 x 3.15in (Excluding brackets and connectors)
Weight	8.0 kg   17.6 lbs (no bracket)
Finish	Powder coated, light grey (RAL7035)
Connectors	RF: 4.3-10 (F) x 4
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter poles or custom bracket. See ordering information.



## ORDERING INFORMATION

PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
KA-6030-2032	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)

# ELECTRICAL BLOCK DIAGRAM

ANT1



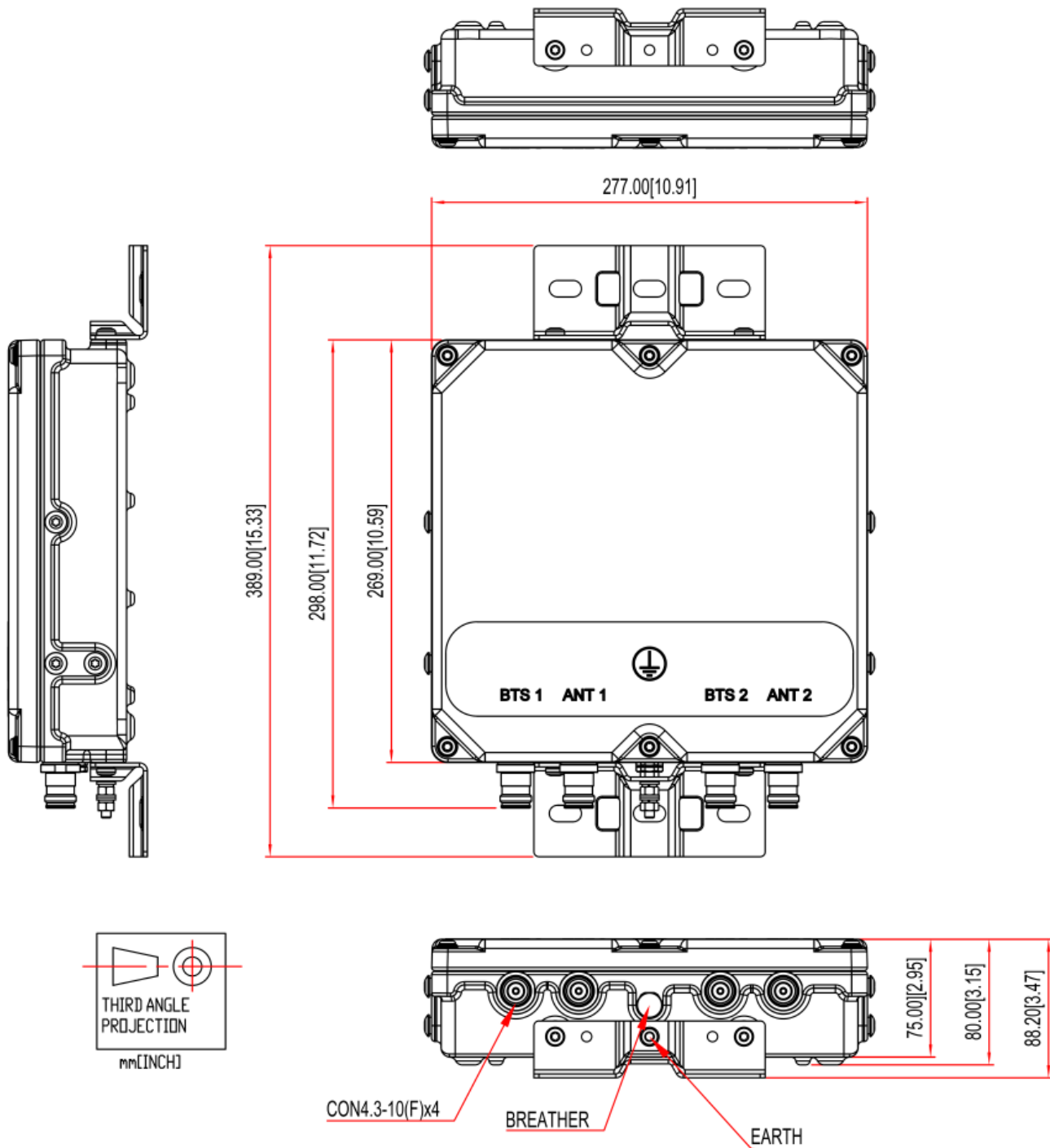
BTS1

ANT2



BTS2

# MECHANICAL BLOCK DIAGRAM



# EXHIBIT 2





Property Location 1725 STAFFORD RD  
 Vision ID 17 Account # 1 2 2

Map ID 1/2/2// Bldg # 1

Bldg Name  
 Sec # 1 of 1 Card # 1 of 1

State Use 901  
 Print Date 09-06-2022 12:37:52

CURRENT OWNER				TOPO		UTILITIES		STRT / ROAD		LOCATION		CURRENT ASSESSMENT						6078  MANSFIELD, CT  <b>VISION</b>									
MANSFIELD TOWN OF BUS GARAGE 4 SO EAGLEVILLE RD  STORRS MANS    CT        06268												Description		Code	Appraised		Assessed										
												Ex C Land		21	122,100		85,500										
												Ex C Bldg		22	208,600		146,100										
												Ex Com OB		25	10,100		7,100										
												Ind Land		3-1	129,600		90,700										
				SUPPLEMENTAL DATA																							
				Alt Prcl ID Census Devel. Lot																							
				GIS ID        1.2.2						Assoc Pid#																	
												Total		470,400		329,400											
RECORD OF OWNERSHIP				BK-VOL/PAGE		SALE DATE		Q/U		V/I		SALE PRICE		VC		PREVIOUS ASSESSMENTS (HISTORY)											
MANSFIELD TOWN OF SMYTH RICHARD E SMYTH RICHARD E & PROBATE CERTIFICATE SMYTH F EDWIN RHODA G+RICHARD				391    486		10-17-1997		U		I		0		00		Year		Code	Assessed	Year	Code	Assessed	Year	Code	Assessed		
				362    498		06-22-1995		U		I		55,817				2021		21	85,500	2020	21	85,500	2019	21	85,500		
				359    389		03-13-1995		U		I		0						22	146,100		22	146,100		22	146,100		
				350    479		05-06-1994		U		I		0						25	7,100		25	7,100		25	7,100		
				173    9		07-23-1979		U		I		0						3-1	90,700		3-1	90,700		3-1	90,700		
														Total		329,400		Total		329,400		Total		329,400			
EXEMPTIONS								OTHER ASSESSMENTS				This signature acknowledges a visit by a Data Collector or Assessor															
Year		Code		Description		Amount		Code		Description		Number		Amount		Comm Int											

CONSTRUCTION DETAIL						CONSTRUCTION DETAIL (CONTINUED)				
Element		Cd	Description			Element		Cd	Description	
Style:	61		Commercial Garage							
Model	96		Ind/Comm							
Grade	06		C-							
Stories:	1									
Occupancy	1.00									
Exterior Wall 1	27		Pre-finish Metl							
Exterior Wall 2										
Roof Structure	03		Gable							
Roof Cover	01		Metal/Tin							
Interior Wall 1	01		Minimum							
Interior Wall 2										
Interior Floor 1	04		Concr Abv Grad							
Interior Floor 2										
Heating Fuel	09		Typical							
Heating Type	04		Forced Air					1980		
AC Type	01		None/partial					A		
Bldg Use	901		Town MDL-Com							
Heat/AC	00		HEAT ONLY							
Frame Type	05		STEEL							
Baths/Plumbing	02		AVERAGE					29		
Ceiling/Wall	02		CEILING ONLY							
Rooms/Prtns	02		AVERAGE							
Wall Height	14.00									
1st Floor Use:										



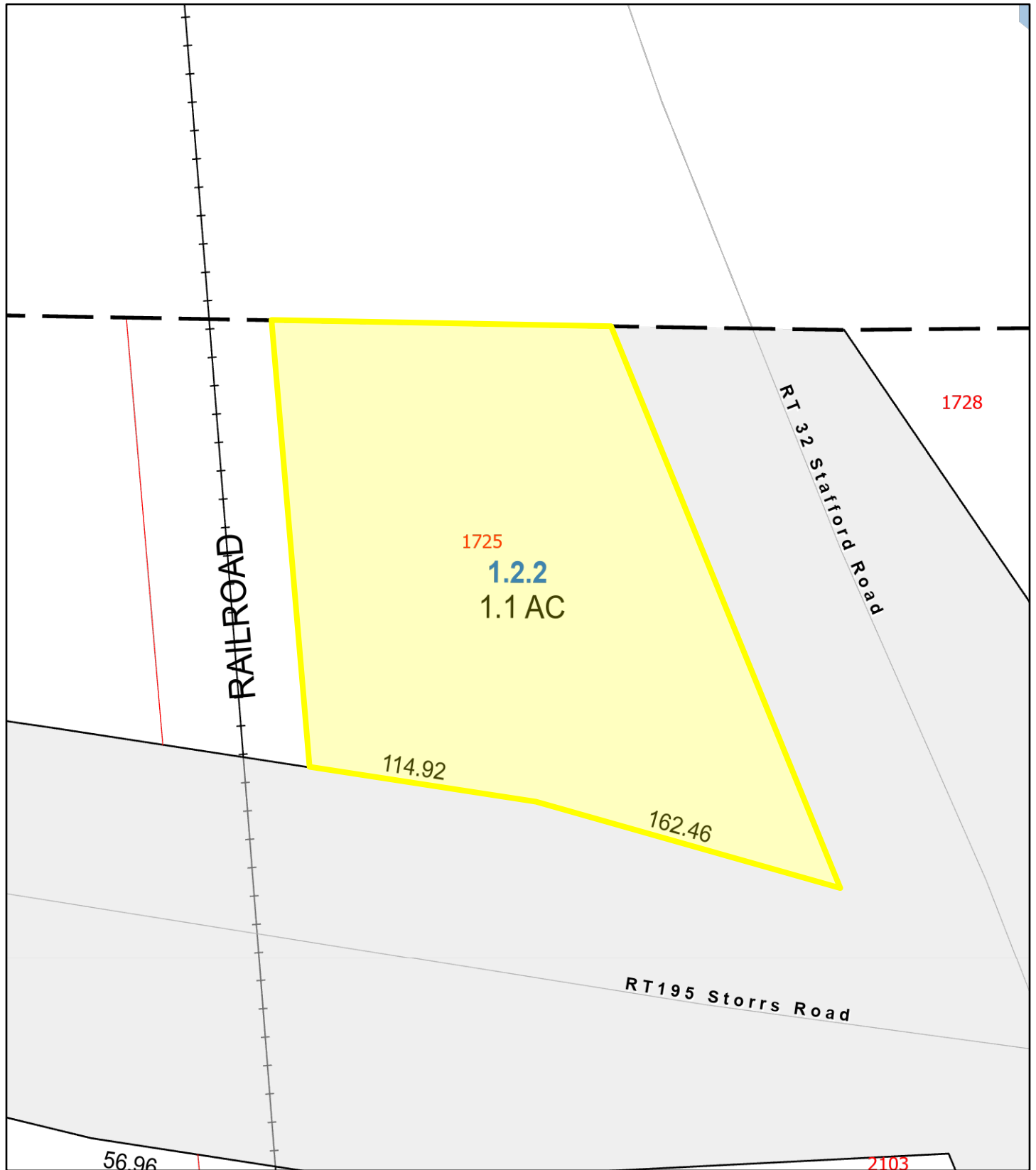
Mansfield, CT

1 inch = 70 Feet



www.cai-tech.com

September 14, 2023



Data shown on this map is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this map.

# EXHIBIT 3







## Structural Analysis Report

**Structure** : 170 ft Monopole  
**ATC Asset Name** : MANSFIELD CENTER 2 CT  
**ATC Asset Number** : 376047  
**Engineering Number** : 14519489\_C3\_02  
**Proposed Carrier** : VERIZON WIRELESS  
**Carrier Site Name** : MANSFIELD NORTH CT  
**Carrier Site Number** : 5000243620  
**Site Location** : 1725 Stafford Road  
STORRS MANSFIELD, CT 06268-1138  
41.836° N, 72.3078° W  
**County** : Tolland  
**Date** : August 18, 2023  
**Max Usage** : 50%  
**Analysis Result** : Pass



COA: PEC.0001553

## **Introduction**

The purpose of this report is to summarize results of a structural analysis performed on the 170 ft Monopole tower to reflect the change in loading by VERIZON WIRELESS.

## **Supporting Documents**

<b>Tower:</b>	PennSummit Order #19122, dated December 9, 2002
<b>Foundation:</b>	PennSummit, PJF Job #29202-0365, dated December 17, 2002
<b>Geotechnical:</b>	GEOservices Project #31-151383K, dated December 21, 2015

## **Analysis**

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

<b>Basic Wind Speed:</b>	119 mph (3-second gust)
<b>Basic Wind Speed w/ Ice:</b>	50 mph (3-second gust) w/ 1.50" radial ice concurrent
<b>Code(s):</b>	ANSI/TIA-222-H / 2021 IBC / 2022 Connecticut State Building Code
<b>Exposure Category:</b>	B
<b>Risk Category:</b>	II
<b>Topographic Factor Procedure:</b>	Method 1
<b>Topographic Category:</b>	1
<b>Spectral Response:</b>	$S_s = 0.18$ , $S_i = 0.06$
<b>Site Class:</b>	D - Stiff Soil - Default

## **Conclusion**

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

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

**Structure Usages**

Structural Component	Usage	Control	Result
Pole Shaft	50.9%	1.2D + 1.0W	Pass
Base Plate @ 0.0 ft	49.2%	Rods	Pass
Pier	42.4%	Axial [Soil]	Pass

**Maximum Reactions**

Foundation	Moment (k-ft)	Axial (k)	Shear (k)
Monopole Base	3,654.0	66.3	30.1

*\*Reactions shown reflect the results from the Load Case with maximum Moment*

Structure base reactions were analyzed using available geotechnical and foundation information.

### VERIZON WIRELESS Final Loading

Elev (ft)	Qty	Equipment	Lines
174.0	2	Kaelus KA-6030	(6) 1 5/8" Coax (2) 1 5/8" Hybriflex
	2	Raycap RVZDC-6627-PF-48	
	3	Amphenol Antel BXA-70080-4BF-EDIN-X	
	3	Samsung B2/B66A RRH-BR049	
	3	Samsung B5/B13 RRH-BR04C	
	3	Samsung MT6407-77A	
	6	Commscope NHH-65B-R2B	

### Other Existing/Reserved Loading

Elev (ft)	Qty	Equipment	Lines	Carrier
170.0	1	Low Profile Platform	-	VERIZON
162.0	3	Andrew HBX-6516DS-VTM	(6) 1 5/8" Coax (1) 3/8" (0.38" - 9.5mm) RET Control Cable	METRO PCS INC
	1	PerfectVision PV-LPP12M-HR-12-96 Platform w/ PVPKBK-M Kicker Kit	(1) 1 5/8" (1.63"-41.3mm) Fiber (12) 1 5/8" Coax	T-MOBILE
	3	Andrew ATSBT-BOTTOM-MF		
	3	Commscope LNX-6515DS-VTM		
	3	Ericsson KRY 112 144/1		
	3	Ericsson KRY 112 489/2		
	3	Ericsson Radio 4449 B12,B71		
	3	RCU (Remote Control Unit)		
	3	RFS APXV18-203219-C (54.1" x 11.3")		
	3	RFS APXVAARR24_43-U-NA20		
150.0	1	Powerwave Allgon P65-17-XLH-RR	(12) 1 5/8" Coax (12) 1/2" Coax (2) 3" conduit	AT&T MOBILITY
	2	KMW AM-X-CD-16-65-00T-RET		
	6	Ericsson RRUS 11 (Band 12)		
	6	Powerwave Allgon 7770.00		
	6	Powerwave Allgon LGP21401		
	6	Powerwave Allgon LGP21901		
148.0	1	Low Profile Platform	(1) 0.39" (10mm) Fiber Trunk (2) 0.78" (19.7mm) 8 AWG 6	AT&T MOBILITY
	1	SSB (27lb)		
130.0	1	Low Profile Platform	(3) 1 1/4" Hybriflex Cable (1) 1 5/8" Hybriflex	SPRINT NEXTEL
	3	Alcatel-Lucent 800MHz RRH		
	3	Alcatel-Lucent RRH 1900 MHz		
	3	Alcatel-Lucent TD-RRH8x20-25		
	3	RFS APXV9ERR18-C (62 lbs)		
	3	RFS APXV9TM14-ALU-I20		
119.0	1	Commscope MC-PK8-DSH	(1) 1.41" (35.8mm) Hybrid	DISH WIRELESS L.L.C.
	1	Raycap RDIDC-9181-PF-48		
	3	Fujitsu TA08025-B604		
	3	Fujitsu TA08025-B605		
	3	JMA Wireless MX08FRO665-21		

(If table breaks across pages, please see previous page for data in merged cells)

## **Standard Conditions**

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

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

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

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

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

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

ANALYSIS PARAMETERS

Nominal Wind:	119 mph	Ice Wind:	50 mph w/ 1.5" ice	Service Wind:	60 mph
Risk Category:	II	Exposure:	B	S <sub>w</sub> :	0.184
Topo Category:	1	Topo Factor:	Method 1	S <sub>t</sub> :	0.055
Structure Height:	170 ft	Base Elevation:	0.00 ft	Topo Feature:	
Base Diameter:	64.11 in	Base Rotation:	0°	Structure Type:	Taper
				Taper:	0.2470 (in/ft)

POLE SECTION PROPERTIES

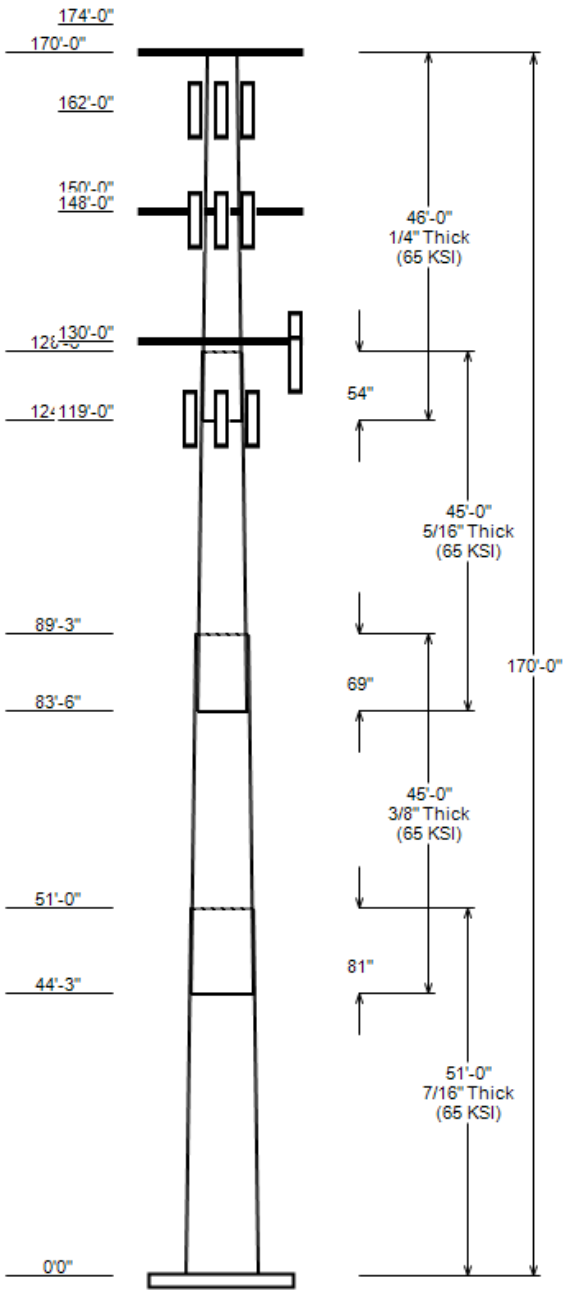
Section	Length (ft)	Flat Diameter (in)		Thick (in)	Joint Type	Joint Length (in)	Pole Shape	Yield Strength (ksi)
		Top	Bottom					
1	51.000	51.52	64.11	0.438		0.000	18 Sides	65
2	45.000	42.82	53.93	0.375	Slip Joint	81.000	18 Sides	65
3	45.000	33.75	44.86	0.312	Slip Joint	69.000	18 Sides	65
4	46.000	24.00	35.36	0.250	Slip Joint	54.000	18 Sides	65

DISCRETE APPURTENANCE

Elev (ft)	Description
174.0	(2) Kaelus KA-6030
174.0	(3) Samsung B2/B66A RRH-BR049
174.0	(3) Samsung B5/B13 RRH-BR04C
174.0	(3) Amphenol Antel BXA-70080-4BF-E
174.0	(2) Raycap RVZDC-6627-PF-48
174.0	(3) Samsung MT6407-77A
174.0	(6) Commscope NHH-65B-R2B
170.0	(1) Generic Flat Low Profile Platf
162.0	(3) Generic RCU (Remote Control Un
162.0	(3) Andrew ATSBT-BOTTOM-MF
162.0	(3) Ericsson KRY 112 144/1
162.0	(3) Ericsson KRY 112 489/2
162.0	(3) Ericsson Radio 4449 B12,B71
162.0	(3) Andrew HBX-6516DS-VTM
162.0	(3) RFS APXV18-203219-C (54.1" x 1
162.0	(3) RFS APXV18-203219-C (54.1" x 1
162.0	(3) Commscope LNX-6515DS-VTM
162.0	(3) RFS APXVAARR24_43-U-NA20
162.0	(1) PerfectVision PV-LPP12M-HR-12
150.0	(6) Powerwave Allgon LGP21901
150.0	(6) Powerwave Allgon LGP21401
150.0	(6) Ericsson RRUS 11 (Band 12)
150.0	(6) Powerwave Allgon 7770.00
150.0	(2) KMW AM-X-CD-16-65-00T-RET
150.0	(1) Powerwave Allgon P65-17-XLH-RR
148.0	(1) Generic SSB (27lb)
148.0	(1) Generic Flat Low Profile Platf
130.0	(3) Alcatel-Lucent RRH 1900 MHz
130.0	(3) Alcatel-Lucent 800MHz RRH
130.0	(3) Alcatel-Lucent TD-RRH8x20-25
130.0	(3) RFS APXV9TM14-ALU-I20
130.0	(3) RFS APXV9ERR18-C (62 lbs)
130.0	(1) Generic Flat Low Profile Platf
119.0	(1) Raycap RDIDC-9181-PF-48
119.0	(3) Fujitsu TA08025-B604
119.0	(3) Fujitsu TA08025-B605
119.0	(3) JMA Wireless MX08FRO665-21
119.0	(1) Commscope MC-PK8-DSH

LINEAR APPURTENANCE

Elev To (ft)	Description
174.0	(6) 1 5/8" Coax
174.0	(2) 1 5/8" Hybriflex
162.0	(12) 1 5/8" Coax
162.0	(1) 1 5/8" (1.63"-41.3mm) Fiber
162.0	(1) 3/8" (0.38"- 9.5mm) RET Control Cabl
162.0	(6) 1 5/8" Coax
150.0	(2) 3" conduit
150.0	(12) 1/2" Coax
150.0	(12) 1 5/8" Coax
148.0	(2) 0.78" (19.7mm) 8 AWG 6
148.0	(1) 0.39" (10mm) Fiber Trunk
130.0	(1) 1 5/8" Hybriflex
130.0	(3) 1 1/4" Hybriflex Cable
119.0	(1) 1.41" (35.8mm) Hybrid



GLOBAL BASE REACTIONS

Load Case	Moment (kip-ft)	Axial (kip)	Shear (kip)
1.2D + 1.0W	3654.04	66.29	30.13
0.9D + 1.0W	3611.28	49.71	30.12
1.2D + 1.0Di + 1.0Wi	1056.76	94.68	8.66
1.2D + 1.0Ev + 1.0Eh	232.52	66.58	1.66
0.9D - 1.0Ev + 1.0Eh	229.12	46.24	1.66
1.0D + 1.0W	825.12	55.26	6.85

ANALYSIS PARAMETERS			
Location:	Tolland County,CT	Height:	170 ft
Type and Shape:	Taper, 18 Sides	Base Diameter:	64.11 in
Manufacturer:	Undetermined	Top Diameter:	24.00 in
K <sub>d</sub> (non-service):	0.95	Taper:	0.2470 in/ft
K <sub>e</sub> :	0.99	Rotation:	0.000°

ICE & WIND PARAMETERS			
Risk Category:	II	Design Wind Speed:	119 mph
Exposure Category:	B	Design Wind Speed w/ Ice:	50 mph
Topo Factor Procedure:	Method 1	Design Ice Thickness:	1.50 in
Topographic Category:	1	Service Wind Speed:	60 mph
Crest Height:	0 ft	HMSL:	368.00 ft

SEISMIC PARAMETERS					
Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil	Period Based on Rayleigh Method (sec):		2.52	
T <sub>L</sub> (sec):	6	P:	1	C <sub>s</sub> :	0.030
S <sub>s</sub> :	0.184	S <sub>1</sub> :	0.055	C <sub>s</sub> Max:	0.030
F <sub>a</sub> :	1.600	F <sub>v</sub> :	2.400	C <sub>s</sub> Min:	0.030
S <sub>ds</sub> :	0.196	S <sub>d1</sub> :	0.088		

LOAD CASES	
1.2D + 1.0W	119 mph Wind with No Ice
0.9D + 1.0W	119 mph Wind with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph Wind with 1.5" Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	60 mph Wind with No Ice



ASSET: 376047, MANSFIELD CENTER 2 CT  
CUSTOMER: VERIZON WIRELESS

CODE: ANSI/TIA-222-H  
PROJECT: 14519489\_C3\_02

#### SHAFT SECTION PROPERTIES

Section	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Joint Len (in)	Weight (lb)	Bottom						Top						Taper (in/ft)
							Dia (in)	Elev (ft)	Area (in <sup>2</sup> )	Ix (in <sup>4</sup> )	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (in <sup>2</sup> )	Ix (in <sup>4</sup> )	W/t Ratio	D/t Ratio	
1-18	51.00	0.4375	65		0.00	13,826	64.11	0.000	88.41	45,287.5	24.08	146.54	51.52	51.00	70.92	23,377.	19.00	117.75	0.2470
2-18	45.00	0.3750	65	Slip	81.00	8,748	53.93	44.250	63.74	23,100.1	23.60	143.82	42.82	89.25	50.52	11,497.	18.37	114.18	0.2470
3-18	45.00	0.3125	65	Slip	69.00	5,922	44.86	83.500	44.19	11,080.3	23.55	143.56	33.75	128.50	33.16	4,684.5	17.28	108.00	0.2470
4-18	46.00	0.2500	65	Slip	54.00	3,655	35.36	124.000	27.86	4,339.1	23.18	141.44	24.00	170.00	18.84	1,343.0	15.16	96.00	0.2470
Total Shaft Weight						32,151													

#### DISCRETE APPURTENANCE PROPERTIES

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	No Ice			Ice		
					Weight (lb)	EPAA (sf)	Orientation Factor	Weight (lb)	EPAA (sf)	Orientation Factor
174.00	Samsung B2/B66A RRH-BR049	3	0.80	0.000	84.40	1.875	0.50	149.04	2.789	0.50
174.00	Samsung B5/B13 RRH-BR04C	3	0.80	0.000	70.30	1.875	0.50	128.26	2.789	0.50
174.00	Amphenol Antel BXA-70080-4BF-E	3	0.80	-2.000	9.90	3.286	0.72	92.50	5.030	0.72
174.00	Raycap RVZDC-6627-PF-48	2	0.80	0.000	32.00	3.781	0.77	143.10	5.121	0.77
174.00	Samsung MT6407-77A	3	0.80	0.000	81.60	4.709	0.61	184.87	6.248	0.61
174.00	Kaelus KA-6030	2	0.80	0.000	17.60	0.963	0.50	41.49	1.625	0.50
174.00	Commscope NHH-65B-R2B	6	0.80	0.000	43.70	8.079	0.69	220.35	10.902	0.69
170.00	Generic Flat Low Profile Platf	1	1.00	0.000	1875.00	26.100	1.00	2695.53	45.443	1.00
162.00	RFS APXV18-203219-C (54.1" x 1	3	0.75	0.000	39.00	5.526	0.64	151.01	7.636	0.64
162.00	Andrew HBX-6516DS-VTM	3	0.75	0.000	9.90	3.360	0.67	77.45	5.160	0.67
162.00	RFS APXV18-203219-C (54.1" x 1	3	0.75	0.000	39.00	5.940	0.67	151.01	8.208	0.67
162.00	Commscope LNX-6515DS-VTM	3	0.75	0.000	50.30	11.440	0.70	281.82	14.705	0.70
162.00	RFS APXVAARR24_43-U-NA20	3	0.75	0.000	127.90	20.243	0.63	524.08	23.986	0.63
162.00	PerfectVision PV-LPP12M-HR-12	1	1.00	0.000	2500.00	27.200	1.00	4257.61	46.323	1.00
162.00	Generic RCU (Remote Control Un	3	0.75	0.000	1.00	0.141	1.00	6.58	0.482	1.00
162.00	Andrew ATSBT-BOTTOM-MF	3	0.75	0.000	1.80	0.170	0.50	7.68	0.467	0.50
162.00	Ericsson KRY 112 144/1	3	0.75	0.000	11.00	0.351	0.50	21.86	0.761	0.50
162.00	Ericsson Radio 4449 B12,B71	3	0.75	0.000	74.00	1.639	0.50	130.50	2.491	0.50
162.00	Ericsson KRY 112 489/2	3	0.75	0.000	15.40	0.559	0.50	33.22	1.088	0.50
150.00	KMW AM-X-CD-16-65-00T-RET	2	0.80	-2.000	48.50	8.024	0.75	210.67	10.817	0.75
150.00	Powerwave Allgon 7770.00	6	0.80	-2.000	35.00	5.508	0.65	148.83	7.637	0.65
150.00	Ericsson RRUS 11 (Band 12)	6	0.80	-2.000	50.00	2.566	0.67	118.26	3.615	0.67
150.00	Powerwave Allgon LGP21401	6	0.80	-2.000	14.10	1.104	0.50	39.08	1.819	0.50
150.00	Powerwave Allgon LGP21901	6	0.80	-2.000	5.50	0.200	0.50	13.19	0.520	0.50
150.00	Powerwave Allgon P65-17-XLH-RR	1	0.80	-2.000	59.00	11.460	1.00	275.46	14.698	1.00
148.00	Generic Flat Low Profile Platf	1	1.00	0.000	1875.00	26.100	1.00	2684.61	45.186	1.00
148.00	Generic SSB (27lb)	1	0.80	0.000	27.00	3.200	1.00	130.48	4.390	1.00
130.00	RFS APXV9TM14-ALU-I20	3	0.80	0.000	55.10	6.381	0.66	190.96	8.545	0.66
130.00	Alcatel-Lucent TD-RRH8x20-25	3	0.80	0.000	66.00	3.704	0.60	148.25	4.962	0.60
130.00	Alcatel-Lucent 800MHz RRH	3	0.80	-1.000	53.00	2.134	0.67	125.87	3.100	0.67
130.00	RFS APXV9ERR18-C (62 lbs)	3	0.80	-1.000	62.00	8.024	0.71	240.80	10.778	0.71
130.00	Generic Flat Low Profile Platf	1	1.00	0.000	1875.00	26.100	1.00	2674.53	44.948	1.00
130.00	Alcatel-Lucent RRH 1900 MHz	3	0.80	-1.000	46.00	2.082	0.67	112.15	3.093	0.67
119.00	JMA Wireless MX08FRO665-21	3	0.75	0.000	64.50	12.489	0.64	315.73	15.236	0.64
119.00	Fujitsu TA08025-B604	3	0.75	0.000	63.90	1.962	0.50	120.90	2.861	0.50
119.00	Fujitsu TA08025-B605	3	0.75	0.000	75.00	1.962	0.50	136.23	2.861	0.50
119.00	Raycap RDIDC-9181-PF-48	1	0.75	0.000	21.90	1.867	0.67	77.41	2.747	0.67
119.00	Commscope MC-PK8-DSH	1	1.00	0.000	1802.00	27.200	1.00	3029.08	45.722	1.00
Totals		Row Count: 38		110	14,423.90			29,845.80		

#### LINEAR APPURTENANCE PROPERTIES

Load Case Azimuth (deg): 0.00

Elev From (ft)	Elev To (ft)	Qty	Description	Diameter (in)	Weight (lb/ft)	Flat	Max/ Row	Distance Between Rows(in)	Distance Between Cols(in)	Azimuth (deg)	Distance From Face (in)	Exposed To Wind	Carrier
5.00	174.00	6	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	VERIZON WIRELESS
0.00	174.00	2	1 5/8" Hybriflex	1.98	1.3	N	0	0	0	0	0	N	VERIZON WIRELESS
5.00	162.00	12	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	T-MOBILE
0.00	162.00	6	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	METRO PCS INC

ASSET: 376047, MANSFIELD CENTER 2 CT  
CUSTOMER: VERIZON WIRELESS

CODE: ANSI/TIA-222-H  
PROJECT: 14519489\_C3\_02

LINEAR APPURTENANCE PROPERTIES

Load Case Azimuth (deg): 0.00

Elev From (ft)	Elev To (ft)	Qty	Description	Diameter (in)	Weight (lb/ft)	Flat	Max/ Row	Distance Between Rows(in)	Distance Between Cols(in)	Azimuth (deg)	Distance From Face (in)	Exposed To Wind	Carrier
0.00	162.00	1	3/8" (0.38"- 9.5mm) R	0.38	0.23	N	0	0	0	0	0	N	METRO PCS INC
5.00	162.00	1	1 5/8" (1.63"-41.3mm)	1.63	1.61	N	0	0	0	0	0	N	T-MOBILE
5.00	150.00	12	1/2" Coax	0.63	0.15	N	0	0	0	0	0	N	AT&T MOBILITY
5.00	150.00	12	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	AT&T MOBILITY
5.00	150.00	2	3" conduit	3.5	7.58	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	148.00	2	0.78" (19.7mm) 8 AWG	0.78	0.59	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	148.00	1	0.39" (10mm) Fiber Tr	0.39	0.06	N	0	0	0	0	0	N	AT&T MOBILITY
5.00	130.00	3	1 1/4" Hybriflex Cabl	1.54	1	N	0	0	0	0	0	N	SPRINT NEXTEL
5.00	130.00	1	1 5/8" Hybriflex	1.98	1.3	N	0	0	0	0	0	N	SPRINT NEXTEL
0.00	119.00	1	1.41" (35.8mm) Hybrid	1.41	1.66	N	1	1.21	1.21	90	1.21	N	DISH WIRELESS L.L.C.

SEGMENT PROPERTIES

Seg Top Elev (ft)	Description	(Max Length: 5 ft)	Thick (in)	Flat Dia (in)	Area (in <sup>2</sup> )	Ix (in <sup>4</sup> )	W/t Ratio	D/t Ratio	F'y (ksi)	S (in <sup>3</sup> )	Z (in <sup>3</sup> )	Weight (lb)
0.00			0.4375	64.110	88.414	45,287.50	24.08	146.54	73.1	1391.3	0.0	0.0
5.00			0.4375	62.875	86.699	42,703.40	23.58	143.71	73.7	1337.7	0.0	1,489.7
10.00			0.4375	61.640	84.985	40,219.50	23.08	140.89	74.3	1285.1	0.0	1,460.5
15.00			0.4375	60.405	83.270	37,833.80	22.58	138.07	74.8	1233.6	0.0	1,431.3
20.00			0.4375	59.171	81.555	35,544.40	22.08	135.25	75.4	1183.2	0.0	1,402.2
25.00			0.4375	57.936	79.841	33,349.20	21.59	132.42	76	1133.8	0.0	1,373.0
30.00			0.4375	56.701	78.126	31,246.40	21.09	129.60	76.6	1085.4	0.0	1,343.8
35.00			0.4375	55.466	76.411	29,233.90	20.59	126.78	77.2	1038.1	0.0	1,314.6
40.00			0.4375	54.231	74.697	27,309.60	20.09	123.96	77.8	991.9	0.0	1,285.5
44.25	Bot - Section 2		0.4375	53.182	73.239	25,742.00	19.67	121.56	78.3	953.4	0.0	1,069.7
45.00			0.4375	52.996	72.982	25,471.80	19.60	121.13	78.4	946.7	0.0	349.0
50.00			0.4375	51.761	71.267	23,718.30	19.10	118.31	78.9	902.5	0.0	2,295.4
51.00	Top - Section 1		0.3750	52.264	61.759	21,009.40	22.81	139.37	74.6	791.8	0.0	452.6
55.00			0.3750	51.277	60.583	19,832.20	22.35	136.74	75.1	761.8	0.0	832.6
60.00			0.3750	50.042	59.114	18,423.50	21.77	133.44	75.8	725.1	0.0	1,018.3
65.00			0.3750	48.807	57.644	17,083.20	21.19	130.15	76.5	689.4	0.0	993.3
70.00			0.3750	47.572	56.174	15,809.60	20.61	126.86	77.2	654.6	0.0	968.2
75.00			0.3750	46.337	54.705	14,600.90	20.02	123.57	77.8	620.6	0.0	943.2
80.00			0.3750	45.102	53.235	13,455.40	19.44	120.27	78.5	587.6	0.0	918.2
83.50	Bot - Section 3		0.3750	44.238	52.206	12,690.20	19.04	117.97	79	565.0	0.0	627.9
85.00			0.3750	43.867	51.765	12,371.40	18.86	116.98	79.2	555.5	0.0	489.9
89.25	Top - Section 2		0.3125	43.443	42.778	10,054.10	22.75	139.02	74.6	455.8	0.0	1,365.8
90.00			0.3125	43.258	42.595	9,925.10	22.64	138.42	74.8	451.9	0.0	108.9
95.00			0.3125	42.023	41.370	9,093.40	21.95	134.47	75.6	426.2	0.0	714.3
100.00			0.3125	40.788	40.145	8,309.40	21.25	130.52	76.4	401.3	0.0	693.4
105.00			0.3125	39.553	38.920	7,571.80	20.55	126.57	77.2	377.1	0.0	672.6
110.00			0.3125	38.318	37.696	6,879.30	19.86	122.62	78	353.6	0.0	651.8
115.00			0.3125	37.083	36.471	6,230.30	19.16	118.67	78.9	330.9	0.0	630.9
119.00			0.3125	36.095	35.491	5,741.50	18.60	115.51	79.5	313.3	0.0	489.7
120.00			0.3125	35.849	35.246	5,623.40	18.46	114.72	79.7	309.0	0.0	120.4
124.00	Bot - Section 4		0.3125	34.861	34.266	5,167.40	17.91	111.55	80.3	292.0	0.0	473.1
125.00			0.3125	34.614	34.021	5,057.30	17.77	110.76	80.5	287.8	0.0	210.6
128.50	Top - Section 3		0.2500	34.249	26.977	3,940.00	22.39	137.00	75.1	226.6	0.0	725.5
130.00			0.2500	33.879	26.684	3,812.60	22.13	135.52	75.4	221.7	0.0	136.9
135.00			0.2500	32.644	25.704	3,407.80	21.26	130.58	76.4	205.6	0.0	445.7
140.00			0.2500	31.409	24.724	3,032.80	20.39	125.64	77.4	190.2	0.0	429.0
145.00			0.2500	30.174	23.744	2,686.30	19.52	120.70	78.4	175.3	0.0	412.3
148.00			0.2500	29.433	23.156	2,491.70	19.00	117.73	79.1	166.7	0.0	239.4
150.00			0.2500	28.939	22.764	2,367.30	18.65	115.76	79.5	161.1	0.0	156.3
155.00			0.2500	27.705	21.784	2,074.60	17.78	110.82	80.5	147.5	0.0	379.0
160.00			0.2500	26.470	20.805	1,807.00	16.91	105.88	81.5	134.5	0.0	362.3
162.00			0.2500	25.976	20.413	1,706.80	16.56	103.90	81.9	129.4	0.0	140.3
165.00			0.2500	25.235	19.825	1,563.60	16.04	100.94	82.5	122.0	0.0	205.4
170.00			0.2500	24.000	18.845	1,343.00	15.16	96.00	82.6	110.2	0.0	329.0

ASSET: 376047, MANSFIELD CENTER 2 CT  
CUSTOMER: VERIZON WIRELESS

CODE: ANSI/TIA-222-H  
PROJECT: 14519489\_C3\_02

SEGMENT PROPERTIES

Seg Top Elev (ft)	Description (Max Length: 5 ft)	Thick (in)	Flat Dia (in)	Area (in <sup>2</sup> )	Ix (in <sup>4</sup> )	W/t Ratio	D/t Ratio	F'y (ksi)	S (in <sup>3</sup> )	Z (in <sup>3</sup> )	Weight (lb)
Total:											32,151.5

CALCULATED FORCES

Load Case: 1.2D + 1.0W

119 mph Wind with No Ice

23 Iterations

Gust Response Factor: 1.10  
Dead load Factor: 1.20  
Wind Load 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 (deg)	Ratio
0.00	-66.29	-30.13	0.00	-3,654.0	0.00	3,654.04	5,815.49	1,551.67	8,923.47	7,626.37	0	0	0.491
5.00	-64.38	-29.75	0.00	-3,503.4	0.00	3,503.37	5,748.38	1,521.57	8,580.74	7,391.16	0.06	-0.11	0.486
10.00	-62.22	-29.37	0.00	-3,354.6	0.00	3,354.62	5,679.46	1,491.48	8,244.72	7,157.12	0.24	-0.23	0.480
15.00	-60.10	-29.00	0.00	-3,207.8	0.00	3,207.76	5,608.74	1,461.39	7,915.42	6,924.38	0.54	-0.34	0.474
20.00	-58.01	-28.62	0.00	-3,062.8	0.00	3,062.79	5,536.21	1,431.30	7,592.82	6,693.07	0.96	-0.46	0.468
25.00	-55.96	-28.26	0.00	-2,919.7	0.00	2,919.67	5,461.87	1,401.20	7,276.94	6,463.35	1.51	-0.58	0.462
30.00	-53.94	-27.89	0.00	-2,778.4	0.00	2,778.40	5,385.73	1,371.11	6,967.76	6,235.34	2.18	-0.7	0.456
35.00	-51.96	-27.50	0.00	-2,639.0	0.00	2,638.98	5,307.78	1,341.02	6,665.30	6,009.18	2.98	-0.83	0.449
40.00	-50.02	-27.14	0.00	-2,501.5	0.00	2,501.46	5,228.02	1,310.92	6,369.55	5,785.01	3.92	-0.95	0.442
44.25	-48.42	-26.92	0.00	-2,386.1	0.00	2,386.14	5,158.81	1,285.35	6,123.44	5,596.14	4.81	-1.06	0.436
45.00	-47.92	-26.69	0.00	-2,365.9	0.00	2,365.94	5,146.46	1,280.83	6,080.51	5,562.98	4.98	-1.08	0.435
50.00	-44.79	-26.40	0.00	-2,232.5	0.00	2,232.48	5,063.09	1,250.74	5,798.19	5,343.22	6.18	-1.21	0.427
51.00	-44.15	-26.19	0.00	-2,206.1	0.00	2,206.08	4,144.85	1,083.87	5,079.80	4,428.07	6.43	-1.23	0.509
55.00	-42.82	-25.81	0.00	-2,101.3	0.00	2,101.32	4,095.73	1,063.24	4,888.24	4,291.69	7.51	-1.34	0.501
60.00	-41.20	-25.39	0.00	-1,972.3	0.00	1,972.26	4,032.70	1,037.45	4,653.97	4,122.38	8.99	-1.48	0.489
65.00	-39.61	-24.95	0.00	-1,845.3	0.00	1,845.34	3,967.86	1,011.65	4,425.45	3,954.50	10.63	-1.63	0.477
70.00	-38.05	-24.52	0.00	-1,720.6	0.00	1,720.57	3,901.22	985.86	4,202.69	3,788.19	12.41	-1.78	0.465
75.00	-36.52	-24.08	0.00	-1,598.0	0.00	1,597.98	3,832.77	960.06	3,985.67	3,623.58	14.36	-1.93	0.451
80.00	-35.04	-23.70	0.00	-1,477.6	0.00	1,477.59	3,762.52	934.27	3,774.41	3,460.82	16.46	-2.08	0.437
83.50	-34.02	-23.46	0.00	-1,394.7	0.00	1,394.66	3,712.27	916.22	3,629.95	3,348.06	18.02	-2.19	0.426
85.00	-33.30	-23.21	0.00	-1,359.5	0.00	1,359.46	3,690.46	908.48	3,568.90	3,300.04	18.72	-2.23	0.422
89.25	-31.35	-22.93	0.00	-1,260.8	0.00	1,260.83	2,873.82	750.76	2,924.65	2,551.88	20.76	-2.36	0.506
90.00	-31.14	-22.70	0.00	-1,243.6	0.00	1,243.63	2,866.19	747.54	2,899.58	2,534.10	21.14	-2.38	0.503
95.00	-29.89	-22.27	0.00	-1,130.1	0.00	1,130.11	2,814.29	726.04	2,735.25	2,416.15	23.72	-2.55	0.479
100.00	-28.66	-21.83	0.00	-1,018.8	0.00	1,018.77	2,760.58	704.55	2,575.71	2,299.35	26.49	-2.72	0.454
105.00	-27.47	-21.40	0.00	-909.6	0.00	909.60	2,705.06	683.05	2,420.96	2,183.84	29.43	-2.89	0.428
110.00	-26.31	-20.96	0.00	-802.6	0.00	802.62	2,647.74	661.56	2,271.00	2,069.77	32.53	-3.05	0.399
115.00	-25.18	-20.57	0.00	-697.8	0.00	697.80	2,588.61	640.06	2,125.84	1,957.26	35.81	-3.2	0.367
119.00	-21.50	-18.20	0.00	-615.5	0.00	615.54	2,540.00	622.87	2,013.17	1,868.48	38.54	-3.32	0.339
120.00	-21.27	-18.00	0.00	-597.3	0.00	597.34	2,527.67	618.57	1,985.48	1,846.46	39.24	-3.35	0.333
124.00	-20.43	-17.77	0.00	-525.3	0.00	525.33	2,477.62	601.37	1,876.64	1,759.15	42.1	-3.47	0.308
125.00	-20.10	-17.58	0.00	-507.6	0.00	507.56	2,464.93	597.07	1,849.90	1,737.51	42.83	-3.49	0.301
128.50	-18.99	-17.32	0.00	-446.0	0.00	446.04	1,822.50	473.45	1,453.91	1,275.58	45.42	-3.59	0.361
130.00	-15.61	-14.39	0.00	-420.1	0.00	420.06	1,810.02	468.30	1,422.40	1,252.94	46.56	-3.63	0.345
135.00	-14.76	-13.97	0.00	-348.1	0.00	348.10	1,767.25	451.10	1,319.87	1,178.09	50.43	-3.77	0.305
140.00	-13.93	-13.55	0.00	-278.2	0.00	278.25	1,722.68	433.90	1,221.17	1,104.26	54.45	-3.9	0.261
145.00	-13.13	-13.21	0.00	-210.5	0.00	210.50	1,676.30	416.71	1,126.31	1,031.61	58.6	-4.02	0.213
148.00	-10.46	-11.65	0.00	-170.9	0.00	170.88	1,647.60	406.39	1,071.23	988.64	61.14	-4.08	0.180
150.00	-9.36	-9.36	0.00	-147.6	0.00	147.58	1,628.11	399.51	1,035.28	960.26	62.86	-4.11	0.160
155.00	-8.78	-8.97	0.00	-100.8	0.00	100.77	1,578.12	382.32	948.09	890.37	67.2	-4.19	0.119
160.00	-8.22	-8.69	0.00	-55.9	0.00	55.90	1,526.32	365.12	864.73	822.06	71.62	-4.24	0.074
162.00	-4.00	-3.99	0.00	-38.5	0.00	38.52	1,505.09	358.24	832.46	795.21	73.4	-4.26	0.051
165.00	-3.74	-3.71	0.00	-26.6	0.00	26.56	1,472.71	347.92	785.21	755.48	76.07	-4.27	0.038
170.00	0.00	-3.42	0.00	-8.0	0.00	8.03	1,400.09	330.73	709.52	682.38	80.55	-4.29	0.012

CALCULATED FORCES

Load Case: 0.9D + 1.0W

119 mph Wind with No Ice (Reduced DL)

23 Iterations

Gust Response Factor: 1.10  
 Dead Load Factor: 0.90  
 Wind Load 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 (deg)	Ratio
0.00	-49.71	-30.12	0.00	-3,611.3	0.00	3,611.28	5,815.49	1,551.67	8,923.47	7,626.37	0	0	0.482
5.00	-48.26	-29.70	0.00	-3,460.7	0.00	3,460.70	5,748.38	1,521.57	8,580.74	7,391.16	0.06	-0.11	0.477
10.00	-46.63	-29.29	0.00	-3,312.2	0.00	3,312.20	5,679.46	1,491.48	8,244.72	7,157.12	0.24	-0.22	0.471
15.00	-45.02	-28.89	0.00	-3,165.7	0.00	3,165.74	5,608.74	1,461.39	7,915.42	6,924.38	0.53	-0.34	0.466
20.00	-43.45	-28.49	0.00	-3,021.3	0.00	3,021.32	5,536.21	1,431.30	7,592.82	6,693.07	0.95	-0.45	0.460
25.00	-41.90	-28.09	0.00	-2,878.9	0.00	2,878.89	5,461.87	1,401.20	7,276.94	6,463.35	1.49	-0.57	0.453
30.00	-40.37	-27.70	0.00	-2,738.4	0.00	2,738.43	5,385.73	1,371.11	6,967.76	6,235.34	2.16	-0.69	0.447
35.00	-38.87	-27.29	0.00	-2,600.0	0.00	2,599.95	5,307.78	1,341.02	6,665.30	6,009.18	2.95	-0.81	0.440
40.00	-37.41	-26.91	0.00	-2,463.5	0.00	2,463.49	5,228.02	1,310.92	6,369.55	5,785.01	3.87	-0.94	0.433
44.25	-36.20	-26.68	0.00	-2,349.2	0.00	2,349.15	5,158.81	1,285.35	6,123.44	5,596.14	4.75	-1.04	0.427
45.00	-35.82	-26.44	0.00	-2,329.1	0.00	2,329.13	5,146.46	1,280.83	6,080.51	5,562.98	4.91	-1.06	0.426
50.00	-33.46	-26.15	0.00	-2,196.9	0.00	2,196.92	5,063.09	1,250.74	5,798.19	5,343.22	6.1	-1.19	0.418
51.00	-32.98	-25.93	0.00	-2,170.8	0.00	2,170.77	4,144.85	1,083.87	5,079.80	4,428.07	6.35	-1.22	0.499
55.00	-31.97	-25.53	0.00	-2,067.1	0.00	2,067.06	4,095.73	1,063.24	4,888.24	4,291.69	7.41	-1.32	0.490
60.00	-30.75	-25.09	0.00	-1,939.4	0.00	1,939.40	4,032.70	1,037.45	4,653.97	4,122.38	8.87	-1.46	0.479
65.00	-29.54	-24.64	0.00	-1,814.0	0.00	1,813.96	3,967.86	1,011.65	4,425.45	3,954.50	10.48	-1.61	0.467
70.00	-28.36	-24.19	0.00	-1,690.8	0.00	1,690.76	3,901.22	985.86	4,202.69	3,788.19	12.24	-1.75	0.454
75.00	-27.21	-23.74	0.00	-1,569.8	0.00	1,569.81	3,832.77	960.06	3,985.67	3,623.58	14.16	-1.9	0.441
80.00	-26.08	-23.35	0.00	-1,451.1	0.00	1,451.12	3,762.52	934.27	3,774.41	3,460.82	16.23	-2.05	0.427
83.50	-25.31	-23.11	0.00	-1,369.4	0.00	1,369.41	3,712.27	916.22	3,629.95	3,348.06	17.77	-2.15	0.416
85.00	-24.77	-22.85	0.00	-1,334.7	0.00	1,334.74	3,690.46	908.48	3,568.90	3,300.04	18.45	-2.2	0.412
89.25	-23.30	-22.58	0.00	-1,237.6	0.00	1,237.63	2,873.82	750.76	2,924.65	2,551.88	20.46	-2.32	0.494
90.00	-23.14	-22.34	0.00	-1,220.7	0.00	1,220.69	2,866.19	747.54	2,899.58	2,534.10	20.83	-2.35	0.491
95.00	-22.19	-21.90	0.00	-1,109.0	0.00	1,108.98	2,814.29	726.04	2,735.25	2,416.15	23.38	-2.51	0.468
100.00	-21.27	-21.45	0.00	-999.5	0.00	999.50	2,760.58	704.55	2,575.71	2,299.35	26.1	-2.68	0.443
105.00	-20.36	-21.01	0.00	-892.2	0.00	892.23	2,705.06	683.05	2,420.96	2,183.84	28.99	-2.84	0.417
110.00	-19.48	-20.57	0.00	-787.2	0.00	787.18	2,647.74	661.56	2,271.00	2,069.77	32.05	-3	0.389
115.00	-18.63	-20.17	0.00	-684.3	0.00	684.32	2,588.61	640.06	2,125.84	1,957.26	35.27	-3.15	0.358
119.00	-15.89	-17.86	0.00	-603.6	0.00	603.63	2,540.00	622.87	2,013.17	1,868.48	37.96	-3.27	0.330
120.00	-15.72	-17.66	0.00	-585.8	0.00	585.77	2,527.67	618.57	1,985.48	1,846.46	38.65	-3.3	0.324
124.00	-15.09	-17.42	0.00	-515.1	0.00	515.14	2,477.62	601.37	1,876.64	1,759.15	41.45	-3.41	0.300
125.00	-14.84	-17.23	0.00	-497.7	0.00	497.72	2,464.93	597.07	1,849.90	1,737.51	42.17	-3.44	0.293
128.50	-14.01	-16.99	0.00	-437.4	0.00	437.40	1,822.50	473.45	1,453.91	1,275.58	44.72	-3.53	0.352
130.00	-11.51	-14.11	0.00	-411.9	0.00	411.92	1,810.02	468.30	1,422.40	1,252.94	45.84	-3.57	0.336
135.00	-10.87	-13.69	0.00	-341.3	0.00	341.34	1,767.25	451.10	1,319.87	1,178.09	49.65	-3.71	0.297
140.00	-10.25	-13.28	0.00	-272.9	0.00	272.87	1,722.68	433.90	1,221.17	1,104.26	53.6	-3.84	0.254
145.00	-9.64	-12.95	0.00	-206.5	0.00	206.46	1,676.30	416.71	1,126.31	1,031.61	57.68	-3.95	0.207
148.00	-7.67	-11.44	0.00	-167.6	0.00	167.62	1,647.60	406.39	1,071.23	988.64	60.18	-4.01	0.175
150.00	-6.88	-9.17	0.00	-144.7	0.00	144.74	1,628.11	399.51	1,035.28	960.26	61.86	-4.04	0.155
155.00	-6.45	-8.79	0.00	-98.9	0.00	98.88	1,578.12	382.32	948.09	890.37	66.13	-4.12	0.116
160.00	-6.02	-8.52	0.00	-54.9	0.00	54.92	1,526.32	365.12	864.73	822.06	70.47	-4.17	0.071
162.00	-2.93	-3.90	0.00	-37.9	0.00	37.88	1,505.09	358.24	832.46	795.21	72.22	-4.18	0.050
165.00	-2.75	-3.63	0.00	-26.2	0.00	26.17	1,472.71	347.92	785.21	755.48	74.85	-4.2	0.037
170.00	0.00	-3.42	0.00	-8.0	0.00	8.03	1,400.09	330.73	709.52	682.38	79.26	-4.21	0.012

CALCULATED FORCES

Load Case: 1.2D + 1.0Di + 1.0Wi			50 mph Wind with 1.5" Radial Ice								23 Iterations		
Gust Response Factor:		1.10	Ice Dead Load Factor			1.00							
Dead load Factor:		1.20	Ice Importance Factor										1.00
Wind Load Factor:		1.00											
Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-94.68	-8.66	0.00	-1,056.8	0.00	1,056.76	5,815.49	1,551.67	8,923.47	7,626.37	0	0	0.155
5.00	-92.35	-8.56	0.00	-1,013.5	0.00	1,013.46	5,748.38	1,521.57	8,580.74	7,391.16	0.02	-0.03	0.153
10.00	-89.74	-8.46	0.00	-970.7	0.00	970.67	5,679.46	1,491.48	8,244.72	7,157.12	0.07	-0.07	0.151
15.00	-87.14	-8.36	0.00	-928.4	0.00	928.38	5,608.74	1,461.39	7,915.42	6,924.38	0.16	-0.1	0.150
20.00	-84.57	-8.26	0.00	-886.6	0.00	886.59	5,536.21	1,431.30	7,592.82	6,693.07	0.28	-0.13	0.148
25.00	-82.03	-8.16	0.00	-845.3	0.00	845.30	5,461.87	1,401.20	7,276.94	6,463.35	0.44	-0.17	0.146
30.00	-79.53	-8.06	0.00	-804.5	0.00	804.51	5,385.73	1,371.11	6,967.76	6,235.34	0.63	-0.2	0.144
35.00	-77.07	-7.95	0.00	-764.2	0.00	764.22	5,307.78	1,341.02	6,665.30	6,009.18	0.86	-0.24	0.142
40.00	-74.64	-7.85	0.00	-724.4	0.00	724.45	5,228.02	1,310.92	6,369.55	5,785.01	1.13	-0.28	0.140
44.25	-72.61	-7.79	0.00	-691.1	0.00	691.08	5,158.81	1,285.35	6,123.44	5,596.14	1.39	-0.31	0.138
45.00	-72.06	-7.73	0.00	-685.2	0.00	685.23	5,146.46	1,280.83	6,080.51	5,562.98	1.44	-0.31	0.137
50.00	-68.42	-7.65	0.00	-646.6	0.00	646.58	5,063.09	1,250.74	5,798.19	5,343.22	1.79	-0.35	0.135
51.00	-67.70	-7.59	0.00	-638.9	0.00	638.94	4,144.85	1,083.87	5,079.80	4,428.07	1.86	-0.36	0.161
55.00	-66.00	-7.48	0.00	-608.6	0.00	608.59	4,095.73	1,063.24	4,888.24	4,291.69	2.17	-0.39	0.158
60.00	-63.92	-7.36	0.00	-571.2	0.00	571.18	4,032.70	1,037.45	4,653.97	4,122.38	2.6	-0.43	0.154
65.00	-61.87	-7.24	0.00	-534.4	0.00	534.37	3,967.86	1,011.65	4,425.45	3,954.50	3.08	-0.47	0.151
70.00	-59.86	-7.12	0.00	-498.2	0.00	498.17	3,901.22	985.86	4,202.69	3,788.19	3.59	-0.52	0.147
75.00	-57.88	-6.99	0.00	-462.6	0.00	462.59	3,832.77	960.06	3,985.67	3,623.58	4.16	-0.56	0.143
80.00	-55.95	-6.88	0.00	-427.6	0.00	427.64	3,762.52	934.27	3,774.41	3,460.82	4.77	-0.6	0.138
83.50	-54.62	-6.81	0.00	-403.6	0.00	403.56	3,712.27	916.22	3,629.95	3,348.06	5.22	-0.63	0.135
85.00	-53.79	-6.74	0.00	-393.4	0.00	393.35	3,690.46	908.48	3,568.90	3,300.04	5.42	-0.65	0.134
89.25	-51.45	-6.66	0.00	-364.7	0.00	364.71	2,873.82	750.76	2,924.65	2,551.88	6.01	-0.68	0.161
90.00	-51.20	-6.59	0.00	-359.7	0.00	359.72	2,866.19	747.54	2,899.58	2,534.10	6.12	-0.69	0.160
95.00	-49.53	-6.47	0.00	-326.8	0.00	326.75	2,814.29	726.04	2,735.25	2,416.15	6.87	-0.74	0.153
100.00	-47.90	-6.34	0.00	-294.4	0.00	294.42	2,760.58	704.55	2,575.71	2,299.35	7.67	-0.79	0.145
105.00	-46.31	-6.21	0.00	-262.7	0.00	262.72	2,705.06	683.05	2,420.96	2,183.84	8.52	-0.84	0.138
110.00	-44.75	-6.08	0.00	-231.7	0.00	231.67	2,647.74	661.56	2,271.00	2,069.77	9.42	-0.88	0.129
115.00	-43.24	-5.96	0.00	-201.3	0.00	201.26	2,588.61	640.06	2,125.84	1,957.26	10.37	-0.93	0.120
119.00	-37.09	-5.29	0.00	-177.4	0.00	177.41	2,540.00	622.87	2,013.17	1,868.48	11.16	-0.96	0.110
120.00	-36.80	-5.23	0.00	-172.1	0.00	172.13	2,527.67	618.57	1,985.48	1,846.46	11.36	-0.97	0.108
124.00	-35.65	-5.15	0.00	-151.2	0.00	151.21	2,477.62	601.37	1,876.64	1,759.15	12.19	-1	0.100
125.00	-35.25	-5.10	0.00	-146.1	0.00	146.06	2,464.93	597.07	1,849.90	1,737.51	12.4	-1.01	0.098
128.50	-33.87	-5.02	0.00	-128.2	0.00	128.22	1,822.50	473.45	1,453.91	1,275.58	13.15	-1.04	0.119
130.00	-28.18	-4.18	0.00	-120.7	0.00	120.70	1,810.02	468.30	1,422.40	1,252.94	13.48	-1.05	0.112
135.00	-26.96	-4.05	0.00	-99.8	0.00	99.80	1,767.25	451.10	1,319.87	1,178.09	14.6	-1.09	0.100
140.00	-25.77	-3.91	0.00	-79.6	0.00	79.57	1,722.68	433.90	1,221.17	1,104.26	15.76	-1.13	0.087
145.00	-24.62	-3.80	0.00	-60.0	0.00	60.02	1,676.30	416.71	1,126.31	1,031.61	16.96	-1.16	0.073
148.00	-20.88	-3.31	0.00	-48.6	0.00	48.62	1,647.60	406.39	1,071.23	988.64	17.7	-1.18	0.062
150.00	-17.94	-2.69	0.00	-42.0	0.00	42.00	1,628.11	399.51	1,035.28	960.26	18.19	-1.19	0.055
155.00	-17.02	-2.56	0.00	-28.5	0.00	28.53	1,578.12	382.32	948.09	890.37	19.45	-1.21	0.043
160.00	-16.14	-2.47	0.00	-15.7	0.00	15.73	1,526.32	365.12	864.73	822.06	20.72	-1.22	0.030
162.00	-7.36	-1.17	0.00	-10.8	0.00	10.80	1,505.09	358.24	832.46	795.21	21.24	-1.23	0.018
165.00	-6.91	-1.07	0.00	-7.3	0.00	7.30	1,472.71	347.92	785.21	755.48	22.01	-1.23	0.014
170.00	0.00	-0.92	0.00	-2.0	0.00	1.95	1,400.09	330.73	709.52	682.38	23.3	-1.24	0.003

CALCULATED FORCES

Load Case: 1.0D + 1.0W

60 mph Wind with No Ice

22 Iterations

Gust Response Factor: 1.10  
 Dead load Factor: 1.00  
 Wind Load 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 (deg)	Ratio
0.00	-55.26	-6.85	0.00	-825.1	0.00	825.12	5,815.49	1,551.67	8,923.47	7,626.37	0	0	0.118
5.00	-53.72	-6.76	0.00	-790.9	0.00	790.87	5,748.38	1,521.57	8,580.74	7,391.16	0.01	-0.03	0.116
10.00	-51.96	-6.67	0.00	-757.1	0.00	757.08	5,679.46	1,491.48	8,244.72	7,157.12	0.05	-0.05	0.115
15.00	-50.24	-6.58	0.00	-723.7	0.00	723.74	5,608.74	1,461.39	7,915.42	6,924.38	0.12	-0.08	0.113
20.00	-48.54	-6.49	0.00	-690.8	0.00	690.85	5,536.21	1,431.30	7,592.82	6,693.07	0.22	-0.1	0.112
25.00	-46.88	-6.40	0.00	-658.4	0.00	658.40	5,461.87	1,401.20	7,276.94	6,463.35	0.34	-0.13	0.110
30.00	-45.24	-6.31	0.00	-626.4	0.00	626.39	5,385.73	1,371.11	6,967.76	6,235.34	0.49	-0.16	0.109
35.00	-43.63	-6.22	0.00	-594.8	0.00	594.82	5,307.78	1,341.02	6,665.30	6,009.18	0.67	-0.19	0.107
40.00	-42.05	-6.14	0.00	-563.7	0.00	563.70	5,228.02	1,310.92	6,369.55	5,785.01	0.88	-0.21	0.106
44.25	-40.74	-6.09	0.00	-537.6	0.00	537.62	5,158.81	1,285.35	6,123.44	5,596.14	1.09	-0.24	0.104
45.00	-40.34	-6.03	0.00	-533.0	0.00	533.05	5,146.46	1,280.83	6,080.51	5,562.98	1.12	-0.24	0.104
50.00	-37.75	-5.97	0.00	-502.9	0.00	502.88	5,063.09	1,250.74	5,798.19	5,343.22	1.39	-0.27	0.102
51.00	-37.24	-5.92	0.00	-496.9	0.00	496.92	4,144.85	1,083.87	5,079.80	4,428.07	1.45	-0.28	0.121
55.00	-36.17	-5.83	0.00	-473.2	0.00	473.24	4,095.73	1,063.24	4,888.24	4,291.69	1.69	-0.3	0.119
60.00	-34.86	-5.73	0.00	-444.1	0.00	444.10	4,032.70	1,037.45	4,653.97	4,122.38	2.03	-0.33	0.116
65.00	-33.58	-5.63	0.00	-415.4	0.00	415.44	3,967.86	1,011.65	4,425.45	3,954.50	2.4	-0.37	0.114
70.00	-32.32	-5.53	0.00	-387.3	0.00	387.29	3,901.22	985.86	4,202.69	3,788.19	2.8	-0.4	0.111
75.00	-31.08	-5.43	0.00	-359.6	0.00	359.65	3,832.77	960.06	3,985.67	3,623.58	3.24	-0.43	0.107
80.00	-29.87	-5.34	0.00	-332.5	0.00	332.51	3,762.52	934.27	3,774.41	3,460.82	3.71	-0.47	0.104
83.50	-29.04	-5.29	0.00	-313.8	0.00	313.82	3,712.27	916.22	3,629.95	3,348.06	4.06	-0.49	0.102
85.00	-28.46	-5.23	0.00	-305.9	0.00	305.89	3,690.46	908.48	3,568.90	3,300.04	4.22	-0.5	0.100
89.25	-26.84	-5.17	0.00	-283.7	0.00	283.67	2,873.82	750.76	2,924.65	2,551.88	4.68	-0.53	0.121
90.00	-26.69	-5.11	0.00	-279.8	0.00	279.80	2,866.19	747.54	2,899.58	2,534.10	4.77	-0.54	0.120
95.00	-25.68	-5.01	0.00	-254.2	0.00	254.23	2,814.29	726.04	2,735.25	2,416.15	5.35	-0.58	0.114
100.00	-24.70	-4.91	0.00	-229.2	0.00	229.17	2,760.58	704.55	2,575.71	2,299.35	5.97	-0.61	0.109
105.00	-23.73	-4.81	0.00	-204.6	0.00	204.60	2,705.06	683.05	2,420.96	2,183.84	6.63	-0.65	0.103
110.00	-22.79	-4.71	0.00	-180.5	0.00	180.54	2,647.74	661.56	2,271.00	2,069.77	7.33	-0.69	0.096
115.00	-21.86	-4.62	0.00	-157.0	0.00	156.96	2,588.61	640.06	2,125.84	1,957.26	8.07	-0.72	0.089
119.00	-18.71	-4.09	0.00	-138.5	0.00	138.46	2,540.00	622.87	2,013.17	1,868.48	8.69	-0.75	0.082
120.00	-18.54	-4.05	0.00	-134.4	0.00	134.37	2,527.67	618.57	1,985.48	1,846.46	8.85	-0.75	0.080
124.00	-17.84	-4.00	0.00	-118.2	0.00	118.18	2,477.62	601.37	1,876.64	1,759.15	9.49	-0.78	0.074
125.00	-17.57	-3.95	0.00	-114.2	0.00	114.18	2,464.93	597.07	1,849.90	1,737.51	9.65	-0.79	0.073
128.50	-16.65	-3.90	0.00	-100.4	0.00	100.35	1,822.50	473.45	1,453.91	1,275.58	10.24	-0.81	0.088
130.00	-13.71	-3.24	0.00	-94.5	0.00	94.50	1,810.02	468.30	1,422.40	1,252.94	10.49	-0.82	0.083
135.00	-13.00	-3.14	0.00	-78.3	0.00	78.32	1,767.25	451.10	1,319.87	1,178.09	11.37	-0.85	0.074
140.00	-12.32	-3.05	0.00	-62.6	0.00	62.61	1,722.68	433.90	1,221.17	1,104.26	12.27	-0.88	0.064
145.00	-11.64	-2.97	0.00	-47.4	0.00	47.37	1,676.30	416.71	1,126.31	1,031.61	13.21	-0.9	0.053
148.00	-9.35	-2.62	0.00	-38.5	0.00	38.46	1,647.60	406.39	1,071.23	988.64	13.78	-0.92	0.045
150.00	-8.32	-2.11	0.00	-33.2	0.00	33.21	1,628.11	399.51	1,035.28	960.26	14.17	-0.93	0.040
155.00	-7.82	-2.02	0.00	-22.7	0.00	22.68	1,578.12	382.32	948.09	890.37	15.15	-0.94	0.030
160.00	-7.33	-1.96	0.00	-12.6	0.00	12.59	1,526.32	365.12	864.73	822.06	16.14	-0.96	0.020
162.00	-3.55	-0.90	0.00	-8.7	0.00	8.68	1,505.09	358.24	832.46	795.21	16.54	-0.96	0.013
165.00	-3.33	-0.83	0.00	-6.0	0.00	5.99	1,472.71	347.92	785.21	755.48	17.15	-0.96	0.010
170.00	0.00	-0.78	0.00	-1.8	0.00	1.83	1,400.09	330.73	709.52	682.38	18.16	-0.97	0.003

EQUIVALENT LATERAL FORCES METHOD ANALYSIS

(Based on ASCE7-16 Chapters 11, 12 and 15)

Spectral Response Acceleration for Short Period ( $S_S$ ):	0.184
Spectral Response Acceleration at 1.0 Second Period ( $S_1$ ):	0.055
Long-Period Transition Period ( $T_L$ - Seconds):	6
Importance Factor ( $I_e$ ):	1.000
Site Coefficient $F_a$ :	1.600
Site Coefficient $F_v$ :	2.400
Response Modification Coefficient (R):	1.500
Design Spectral Response Acceleration at Short Period ( $S_{ds}$ ):	0.196
Design Spectral Response Acceleration at 1.0 Second Period ( $S_{d1}$ ):	0.088
Seismic Response Coefficient ( $C_s$ ):	0.030
Upper Limit $C_s$ :	0.030
Lower Limit $C_s$ :	0.030
Period based on Rayleigh Method (sec):	2.520
Redundancy Factor (p):	1.000
Seismic Force Distribution Exponent (k):	2.000
Total Unfactored Dead Load:	55.270 k
Seismic Base Shear (E):	1.660 k

SEISMIC FORCES

1.2D + 1.0Ev + 1.0Eh

Seismic

Segment	Height Above Base (ft)	Weight (lb)	$W_z$ (lb-ft)	$C_{vx}$	Horizontal Force (lb)	Vertical Force (lb)
43	167.5	367	10,284	0.018	29	454
42	163.5	228	6,093	0.010	17	282
41	161	188	4,886	0.008	14	234
40	157.5	483	11,979	0.020	34	598
39	152.5	500	11,618	0.020	33	619
38	149	258	5,730	0.010	16	320
37	146.5	396	8,496	0.014	24	491
36	142.5	673	13,668	0.023	39	834
35	137.5	690	13,041	0.022	37	855
34	132.5	706	12,403	0.021	35	875
33	129.25	222	3,703	0.006	10	275
32	126.75	923	14,830	0.025	42	1,144
31	124.5	267	4,140	0.007	12	331
30	122	699	10,403	0.018	29	866
29	119.5	177	2,525	0.004	7	219
28	117	722	9,886	0.017	28	895
27	112.5	922	11,663	0.020	33	1,142
26	107.5	942	10,890	0.019	31	1,168
25	102.5	963	10,120	0.017	29	1,194
24	97.5	984	9,355	0.016	26	1,219
23	92.5	1,005	8,598	0.015	24	1,245
22	89.625	153	1,225	0.002	3	189
21	87.125	1,613	12,242	0.021	35	1,999
20	84.25	577	4,096	0.007	12	715
19	81.75	831	5,556	0.010	16	1,030
18	77.5	1,209	7,261	0.012	21	1,498
17	72.5	1,234	6,485	0.011	18	1,529
16	67.5	1,259	5,736	0.010	16	1,560
15	62.5	1,284	5,015	0.008	14	1,591
14	57.5	1,309	4,327	0.007	12	1,622
13	53	1,065	2,992	0.005	8	1,320
12	50.5	511	1,302	0.002	4	633
11	47.5	2,586	5,835	0.010	16	3,205
10	44.625	393	782	0.001	2	486
9	42.125	1,317	2,337	0.004	7	1,632
8	37.5	1,576	2,216	0.004	6	1,953
7	32.5	1,605	1,696	0.003	5	1,989
6	27.5	1,634	1,236	0.002	3	2,025



SEISMIC FORCES

1.2D + 1.0Ev + 1.0Eh	Seismic	Height Above Base	Weight	W <sub>z</sub>	C <sub>vx</sub>	Horizontal Force	Vertical Force
Segment		(ft)	(lb)	(lb-ft)		(lb)	(lb)
5		22.5	1,664	842	0.001	2	2,062
4		17.5	1,693	518	0.001	1	2,098
3		12.5	1,722	269	0.000	1	2,134
2		7.5	1,751	98	0.000	0	2,170
1		2.5	1,543	10	0.000	0	1,912
Kaelus KA-6030		170	35	1,017	0.002	3	44
Samsung B2/B66A RRH-BR049		170	253	7,317	0.012	21	314
Samsung B5/B13 RRH-BR04C		170	211	6,095	0.010	17	261
Amphenol Antel BXA-70080-4BF-EDIN-X		170	30	858	0.002	2	37
Raycap RVZDC-6627-PF-48		170	64	1,850	0.003	5	79
Samsung MT6407-77A		170	245	7,075	0.012	20	303
Commscope NHH-65B-R2B		170	262	7,578	0.013	21	325
Generic Flat Low Profile Platform		170	1,875	54,188	0.092	153	2,324
Generic Flat Low Profile Platform		148	1,875	41,070	0.070	116	2,324
Generic Flat Low Profile Platform		130	1,875	31,688	0.054	90	2,324
Generic RCU (Remote Control Unit)		162	3	79	0.000	0	4
Andrew ATSBT-BOTTOM-MF		162	5	142	0.000	0	7
Ericsson KRY 112 144/1		162	33	866	0.002	2	41
Ericsson KRY 112 489/2		162	46	1,212	0.002	3	57
Ericsson Radio 4449 B12,B71		162	222	5,826	0.010	16	275
Andrew HBX-6516DS-VTM		162	30	779	0.001	2	37
RFS APXV18-203219-C (54.1" x 11.3")		162	117	3,071	0.005	9	145
RFS APXV18-203219-C (54.1" x 11.3")		162	117	3,071	0.005	9	145
Commscope LNX-6515DS-VTM		162	151	3,960	0.007	11	187
RFS APXVAARR24_43-U-NA20		162	384	10,070	0.017	28	476
PerfectVision PV-LPP12M-HR-12-96 Platform w/ PVPKBK-M Kicker Kit		162	2,500	65,610	0.112	185	3,098
Powerwave Allgon LGP21901		150	33	742	0.001	2	41
Powerwave Allgon LGP21401		150	85	1,904	0.003	5	105
Ericsson RRUS 11 (Band 12)		150	300	6,750	0.012	19	372
Powerwave Allgon 7770.00		150	210	4,725	0.008	13	260
KMW AM-X-CD-16-65-00T-RET		150	97	2,182	0.004	6	120
Powerwave Allgon P65-17-XLH-RR		150	59	1,328	0.002	4	73
Generic SSB (27lb)		148	27	591	0.001	2	33
Alcatel-Lucent RRH 1900 MHz		130	138	2,332	0.004	7	171
Alcatel-Lucent 800MHz RRH		130	159	2,687	0.005	8	197
Alcatel-Lucent TD-RRH8x20-25		130	198	3,346	0.006	9	245
RFS APXV9TM14-ALU-I20		130	165	2,794	0.005	8	205
RFS APXV9ERR18-C (62 lbs)		130	186	3,143	0.005	9	231
Raycap RDIDC-9181-PF-48		119	22	310	0.000	1	27
Fujitsu TA08025-B605		119	225	3,186	0.005	9	279
Fujitsu TA08025-B604		119	192	2,715	0.005	8	238
JMA Wireless MX08FRO665-21		119	194	2,740	0.005	8	240
Commscope MC-PK8-DSH		119	1,802	25,518	0.044	72	2,233
Totals:			55,266	586,803	1.000	1,658	68,488

SEISMIC FORCES

0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)	Height Above Base	Weight	W <sub>z</sub>	C <sub>vx</sub>	Horizontal Force	Vertical Force
Segment		(ft)	(lb)	(lb-ft)		(lb)	(lb)
43		167.5	367	10,284	0.018	29	316
42		163.5	228	6,093	0.010	17	196
41		161	188	4,886	0.008	14	162
40		157.5	483	11,979	0.020	34	416
39		152.5	500	11,618	0.020	33	430
38		149	258	5,730	0.010	16	222
37		146.5	396	8,496	0.014	24	341
36		142.5	673	13,668	0.023	39	579
35		137.5	690	13,041	0.022	37	594
34		132.5	706	12,403	0.021	35	608
33		129.25	222	3,703	0.006	10	191

SEISMIC FORCES

0.9D - 1.0Ev + 1.0Eh

Seismic (Reduced DL)

Segment	Height Above Base (ft)	Weight (lb)	W <sub>z</sub> (lb-ft)	C <sub>vx</sub>	Horizontal Force (lb)	Vertical Force (lb)
32	126.75	923	14,830	0.025	42	795
31	124.5	267	4,140	0.007	12	230
30	122	699	10,403	0.018	29	602
29	119.5	177	2,525	0.004	7	152
28	117	722	9,886	0.017	28	622
27	112.5	922	11,663	0.020	33	793
26	107.5	942	10,890	0.019	31	811
25	102.5	963	10,120	0.017	29	829
24	97.5	984	9,355	0.016	26	847
23	92.5	1,005	8,598	0.015	24	865
22	89.625	153	1,225	0.002	3	131
21	87.125	1,613	12,242	0.021	35	1,388
20	84.25	577	4,096	0.007	12	497
19	81.75	831	5,556	0.010	16	716
18	77.5	1,209	7,261	0.012	21	1,040
17	72.5	1,234	6,485	0.011	18	1,062
16	67.5	1,259	5,736	0.010	16	1,084
15	62.5	1,284	5,015	0.008	14	1,105
14	57.5	1,309	4,327	0.007	12	1,127
13	53	1,065	2,992	0.005	8	917
12	50.5	511	1,302	0.002	4	440
11	47.5	2,586	5,835	0.010	16	2,226
10	44.625	393	782	0.001	2	338
9	42.125	1,317	2,337	0.004	7	1,133
8	37.5	1,576	2,216	0.004	6	1,357
7	32.5	1,605	1,696	0.003	5	1,382
6	27.5	1,634	1,236	0.002	3	1,407
5	22.5	1,664	842	0.001	2	1,432
4	17.5	1,693	518	0.001	1	1,457
3	12.5	1,722	269	0.000	1	1,482
2	7.5	1,751	98	0.000	0	1,507
1	2.5	1,543	10	0.000	0	1,328
Kaelus KA-6030	170	35	1,017	0.002	3	30
Samsung B2/B66A RRH-BR049	170	253	7,317	0.012	21	218
Samsung B5/B13 RRH-BR04C	170	211	6,095	0.010	17	182
Amphenol Antel BXA-70080-4BF-EDIN-X	170	30	858	0.002	2	26
Raycap RVZDC-6627-PF-48	170	64	1,850	0.003	5	55
Samsung MT6407-77A	170	245	7,075	0.012	20	211
Commscope NHH-65B-R2B	170	262	7,578	0.013	21	226
Generic Flat Low Profile Platform	170	1,875	54,188	0.092	153	1,614
Generic Flat Low Profile Platform	148	1,875	41,070	0.070	116	1,614
Generic Flat Low Profile Platform	130	1,875	31,688	0.054	90	1,614
Generic RCU (Remote Control Unit)	162	3	79	0.000	0	3
Andrew ATSBT-BOTTOM-MF	162	5	142	0.000	0	5
Ericsson KRY 112 144/1	162	33	866	0.002	2	28
Ericsson KRY 112 489/2	162	46	1,212	0.002	3	40
Ericsson Radio 4449 B12,B71	162	222	5,826	0.010	16	191
Andrew HBX-6516DS-VTM	162	30	779	0.001	2	26
RFS APXV18-203219-C (54.1" x 11.3")	162	117	3,071	0.005	9	101
RFS APXV18-203219-C (54.1" x 11.3")	162	117	3,071	0.005	9	101
Commscope LNX-6515DS-VTM	162	151	3,960	0.007	11	130
RFS APXVAARR24_43-U-NA20	162	384	10,070	0.017	28	330
PerfectVision PV-LPP12M-HR-12-96 Platform w/ PVPKBM-M Kicker Kit	162	2,500	65,610	0.112	185	2,152
Powerwave Allgon LGP21901	150	33	742	0.001	2	28
Powerwave Allgon LGP21401	150	85	1,904	0.003	5	73
Ericsson RRUS 11 (Band 12)	150	300	6,750	0.012	19	258
Powerwave Allgon 7770.00	150	210	4,725	0.008	13	181
KMW AM-X-CD-16-65-00T-RET	150	97	2,182	0.004	6	83
Powerwave Allgon P65-17-XLH-RR	150	59	1,328	0.002	4	51
Generic SSB (27lb)	148	27	591	0.001	2	23

SEISMIC FORCES

0.9D - 1.0Ev + 1.0Eh

Seismic (Reduced DL)

Segment	Height Above Base (ft)	Weight (lb)	W <sub>z</sub> (lb-ft)	C <sub>vx</sub>	Horizontal Force (lb)	Vertical Force (lb)
Alcatel-Lucent RRH 1900 MHz	130	138	2,332	0.004	7	119
Alcatel-Lucent 800MHz RRH	130	159	2,687	0.005	8	137
Alcatel-Lucent TD-RRH8x20-25	130	198	3,346	0.006	9	170
RFS APXV9TM14-ALU-I20	130	165	2,794	0.005	8	142
RFS APXV9ERR18-C (62 lbs)	130	186	3,143	0.005	9	160
Raycap RDIDC-9181-PF-48	119	22	310	0.000	1	19
Fujitsu TA08025-B605	119	225	3,186	0.005	9	194
Fujitsu TA08025-B604	119	192	2,715	0.005	8	165
JMA Wireless MX08FRO665-21	119	194	2,740	0.005	8	167
Commscope MC-PK8-DSH	119	1,802	25,518	0.044	72	1,551
<b>Totals:</b>		<b>55,266</b>	<b>586,803</b>	<b>1.000</b>	<b>1,658</b>	<b>47,570</b>

1.2D + 1.0Ev + 1.0Eh

Seismic

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-66.58	-1.66	0.00	-232.52	0.00	232.52	5,815.49	1,551.67	8,923	7,626.37	0.00	0.00	0.04
5.00	-64.41	-1.67	0.00	-224.21	0.00	224.21	5,748.38	1,521.57	8,581	7,391.16	0.00	-0.01	0.04
10.00	-62.27	-1.68	0.00	-215.87	0.00	215.87	5,679.46	1,491.48	8,245	7,157.12	0.02	-0.01	0.04
15.00	-60.17	-1.68	0.00	-207.49	0.00	207.49	5,608.74	1,461.39	7,915	6,924.38	0.03	-0.02	0.04
20.00	-58.11	-1.69	0.00	-199.08	0.00	199.08	5,536.21	1,431.30	7,593	6,693.07	0.06	-0.03	0.04
25.00	-56.09	-1.69	0.00	-190.65	0.00	190.65	5,461.87	1,401.20	7,277	6,463.35	0.10	-0.04	0.04
30.00	-54.10	-1.69	0.00	-182.20	0.00	182.20	5,385.73	1,371.11	6,968	6,235.34	0.14	-0.05	0.04
35.00	-52.14	-1.69	0.00	-173.75	0.00	173.75	5,307.78	1,341.02	6,665	6,009.18	0.19	-0.05	0.04
40.00	-50.51	-1.69	0.00	-165.30	0.00	165.30	5,228.02	1,310.92	6,370	5,785.01	0.25	-0.06	0.04
44.25	-50.02	-1.69	0.00	-158.12	0.00	158.12	5,158.81	1,285.35	6,123	5,596.14	0.31	-0.07	0.04
45.00	-46.82	-1.67	0.00	-156.86	0.00	156.86	5,146.46	1,280.83	6,081	5,562.98	0.32	-0.07	0.04
50.00	-46.19	-1.67	0.00	-148.49	0.00	148.49	5,063.09	1,250.74	5,798	5,343.22	0.40	-0.08	0.04
51.00	-44.87	-1.67	0.00	-146.82	0.00	146.82	4,144.85	1,083.87	5,080	4,428.07	0.42	-0.08	0.04
55.00	-43.24	-1.66	0.00	-140.15	0.00	140.15	4,095.73	1,063.24	4,888	4,291.69	0.49	-0.09	0.04
60.00	-41.65	-1.65	0.00	-131.87	0.00	131.87	4,032.70	1,037.45	4,654	4,122.38	0.58	-0.10	0.04
65.00	-40.09	-1.64	0.00	-123.62	0.00	123.62	3,967.86	1,011.65	4,425	3,954.50	0.69	-0.11	0.04
70.00	-38.56	-1.62	0.00	-115.44	0.00	115.44	3,901.22	985.86	4,203	3,788.19	0.81	-0.12	0.04
75.00	-37.07	-1.60	0.00	-107.34	0.00	107.34	3,832.77	960.06	3,986	3,623.58	0.94	-0.13	0.04
80.00	-36.03	-1.59	0.00	-99.32	0.00	99.32	3,762.52	934.27	3,774	3,460.82	1.08	-0.14	0.04
83.50	-35.32	-1.58	0.00	-93.74	0.00	93.74	3,712.27	916.22	3,630	3,348.06	1.18	-0.14	0.04
85.00	-33.32	-1.55	0.00	-91.37	0.00	91.37	3,690.46	908.48	3,569	3,300.04	1.22	-0.15	0.04
89.25	-33.13	-1.54	0.00	-84.81	0.00	84.81	2,873.82	750.76	2,925	2,551.88	1.36	-0.16	0.05
90.00	-31.89	-1.52	0.00	-83.65	0.00	83.65	2,866.19	747.54	2,900	2,534.10	1.38	-0.16	0.04
95.00	-30.67	-1.50	0.00	-76.05	0.00	76.05	2,814.29	726.04	2,735	2,416.15	1.56	-0.17	0.04
100.00	-29.47	-1.47	0.00	-68.56	0.00	68.56	2,760.58	704.55	2,576	2,299.35	1.74	-0.18	0.04
105.00	-28.30	-1.44	0.00	-61.21	0.00	61.21	2,705.06	683.05	2,421	2,183.84	1.93	-0.19	0.04
110.00	-27.16	-1.41	0.00	-54.01	0.00	54.01	2,647.74	661.56	2,271	2,069.77	2.14	-0.20	0.04
115.00	-26.27	-1.38	0.00	-46.97	0.00	46.97	2,588.61	640.06	2,126	1,957.26	2.36	-0.21	0.03
119.00	-23.03	-1.27	0.00	-41.44	0.00	41.44	2,540.00	622.87	2,013	1,868.48	2.54	-0.22	0.03
120.00	-22.17	-1.24	0.00	-40.17	0.00	40.17	2,527.67	618.57	1,985	1,846.46	2.59	-0.22	0.03
124.00	-21.83	-1.23	0.00	-35.22	0.00	35.22	2,477.62	601.37	1,877	1,759.15	2.78	-0.23	0.03
125.00	-20.69	-1.18	0.00	-34.00	0.00	34.00	2,464.93	597.07	1,850	1,737.51	2.82	-0.23	0.03
128.50	-20.42	-1.17	0.00	-29.87	0.00	29.87	1,822.50	473.45	1,454	1,275.58	3.00	-0.24	0.04
130.00	-16.17	-0.99	0.00	-28.11	0.00	28.11	1,810.02	468.30	1,422	1,252.94	3.07	-0.24	0.03
135.00	-15.31	-0.95	0.00	-23.16	0.00	23.16	1,767.25	451.10	1,320	1,178.09	3.33	-0.25	0.03
140.00	-14.48	-0.91	0.00	-18.41	0.00	18.41	1,722.68	433.90	1,221	1,104.26	3.60	-0.26	0.03
145.00	-13.99	-0.89	0.00	-13.85	0.00	13.85	1,676.30	416.71	1,126	1,031.61	3.87	-0.27	0.02
148.00	-11.31	-0.74	0.00	-11.19	0.00	11.19	1,647.60	406.39	1,071	988.64	4.04	-0.27	0.02
150.00	-9.72	-0.65	0.00	-9.71	0.00	9.71	1,628.11	399.51	1,035	960.26	4.16	-0.27	0.02
155.00	-9.13	-0.61	0.00	-6.46	0.00	6.46	1,578.12	382.32	948	890.37	4.45	-0.28	0.01
160.00	-8.89	-0.60	0.00	-3.38	0.00	3.38	1,526.32	365.12	865	822.06	4.74	-0.28	0.01
162.00	-4.14	-0.29	0.00	-2.18	0.00	2.18	1,505.09	358.24	832	795.21	4.86	-0.28	0.01
165.00	-3.69	-0.26	0.00	-1.31	0.00	1.31	1,472.71	347.92	785	755.48	5.04	-0.28	0.00

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
170.00	0.00	-0.24	0.00	0.00	0.00	0.00	1,400.09	330.73	710	682.38	5.33	-0.28	0.00

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

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-46.24	-1.66	0.00	-229.12	0.00	229.12	5,815.49	1,551.67	8,923	7,626.37	0.00	0.00	0.04
5.00	-44.73	-1.67	0.00	-220.82	0.00	220.82	5,748.38	1,521.57	8,581	7,391.16	0.00	-0.01	0.04
10.00	-43.25	-1.67	0.00	-212.49	0.00	212.49	5,679.46	1,491.48	8,245	7,157.12	0.02	-0.01	0.04
15.00	-41.79	-1.67	0.00	-204.15	0.00	204.15	5,608.74	1,461.39	7,915	6,924.38	0.03	-0.02	0.04
20.00	-40.36	-1.68	0.00	-195.78	0.00	195.78	5,536.21	1,431.30	7,593	6,693.07	0.06	-0.03	0.04
25.00	-38.96	-1.68	0.00	-187.40	0.00	187.40	5,461.87	1,401.20	7,277	6,463.35	0.10	-0.04	0.04
30.00	-37.57	-1.68	0.00	-179.02	0.00	179.02	5,385.73	1,371.11	6,968	6,235.34	0.14	-0.04	0.04
35.00	-36.22	-1.67	0.00	-170.64	0.00	170.64	5,307.78	1,341.02	6,665	6,009.18	0.19	-0.05	0.04
40.00	-35.08	-1.67	0.00	-162.27	0.00	162.27	5,228.02	1,310.92	6,370	5,785.01	0.25	-0.06	0.04
44.25	-34.74	-1.67	0.00	-155.17	0.00	155.17	5,158.81	1,285.35	6,123	5,596.14	0.31	-0.07	0.03
45.00	-32.52	-1.65	0.00	-153.92	0.00	153.92	5,146.46	1,280.83	6,081	5,562.98	0.32	-0.07	0.03
50.00	-32.08	-1.65	0.00	-145.65	0.00	145.65	5,063.09	1,250.74	5,798	5,343.22	0.39	-0.08	0.03
51.00	-31.16	-1.65	0.00	-144.00	0.00	144.00	4,144.85	1,083.87	5,080	4,428.07	0.41	-0.08	0.04
55.00	-30.04	-1.64	0.00	-137.42	0.00	137.42	4,095.73	1,063.24	4,888	4,291.69	0.48	-0.09	0.04
60.00	-28.93	-1.62	0.00	-129.24	0.00	129.24	4,032.70	1,037.45	4,654	4,122.38	0.57	-0.10	0.04
65.00	-27.85	-1.61	0.00	-121.12	0.00	121.12	3,967.86	1,011.65	4,425	3,954.50	0.68	-0.11	0.04
70.00	-26.78	-1.60	0.00	-113.06	0.00	113.06	3,901.22	985.86	4,203	3,788.19	0.80	-0.11	0.04
75.00	-25.74	-1.58	0.00	-105.09	0.00	105.09	3,832.77	960.06	3,986	3,623.58	0.92	-0.12	0.04
80.00	-25.03	-1.56	0.00	-97.20	0.00	97.20	3,762.52	934.27	3,774	3,460.82	1.06	-0.13	0.04
83.50	-24.53	-1.55	0.00	-91.73	0.00	91.73	3,712.27	916.22	3,630	3,348.06	1.16	-0.14	0.03
85.00	-23.14	-1.52	0.00	-89.40	0.00	89.40	3,690.46	908.48	3,569	3,300.04	1.20	-0.14	0.03
89.25	-23.01	-1.52	0.00	-82.95	0.00	82.95	2,873.82	750.76	2,925	2,551.88	1.34	-0.15	0.04
90.00	-22.15	-1.49	0.00	-81.81	0.00	81.81	2,866.19	747.54	2,900	2,534.10	1.36	-0.15	0.04
95.00	-21.30	-1.47	0.00	-74.36	0.00	74.36	2,814.29	726.04	2,735	2,416.15	1.53	-0.17	0.04
100.00	-20.47	-1.44	0.00	-67.02	0.00	67.02	2,760.58	704.55	2,576	2,299.35	1.71	-0.18	0.04
105.00	-19.66	-1.41	0.00	-59.83	0.00	59.83	2,705.06	683.05	2,421	2,183.84	1.90	-0.19	0.04
110.00	-18.86	-1.38	0.00	-52.78	0.00	52.78	2,647.74	661.56	2,271	2,069.77	2.10	-0.20	0.03
115.00	-18.24	-1.35	0.00	-45.89	0.00	45.89	2,588.61	640.06	2,126	1,957.26	2.31	-0.21	0.03
119.00	-16.00	-1.24	0.00	-40.49	0.00	40.49	2,540.00	622.87	2,013	1,868.48	2.49	-0.22	0.03
120.00	-15.39	-1.21	0.00	-39.25	0.00	39.25	2,527.67	618.57	1,985	1,846.46	2.54	-0.22	0.03
124.00	-15.16	-1.20	0.00	-34.41	0.00	34.41	2,477.62	601.37	1,877	1,759.15	2.72	-0.23	0.03
125.00	-14.37	-1.15	0.00	-33.22	0.00	33.22	2,464.93	597.07	1,850	1,737.51	2.77	-0.23	0.03
128.50	-14.18	-1.14	0.00	-29.18	0.00	29.18	1,822.50	473.45	1,454	1,275.58	2.94	-0.23	0.03
130.00	-11.23	-0.97	0.00	-27.47	0.00	27.47	1,810.02	468.30	1,422	1,252.94	3.02	-0.24	0.03
135.00	-10.64	-0.93	0.00	-22.63	0.00	22.63	1,767.25	451.10	1,320	1,178.09	3.27	-0.25	0.03
140.00	-10.06	-0.89	0.00	-17.98	0.00	17.98	1,722.68	433.90	1,221	1,104.26	3.53	-0.25	0.02
145.00	-9.72	-0.87	0.00	-13.53	0.00	13.53	1,676.30	416.71	1,126	1,031.61	3.80	-0.26	0.02
148.00	-7.86	-0.72	0.00	-10.94	0.00	10.94	1,647.60	406.39	1,071	988.64	3.97	-0.27	0.02
150.00	-6.75	-0.64	0.00	-9.49	0.00	9.49	1,628.11	399.51	1,035	960.26	4.08	-0.27	0.01
155.00	-6.34	-0.60	0.00	-6.31	0.00	6.31	1,578.12	382.32	948	890.37	4.36	-0.27	0.01
160.00	-6.18	-0.59	0.00	-3.31	0.00	3.31	1,526.32	365.12	865	822.06	4.65	-0.28	0.01
162.00	-2.87	-0.29	0.00	-2.13	0.00	2.13	1,505.09	358.24	832	795.21	4.76	-0.28	0.01
165.00	-2.56	-0.26	0.00	-1.28	0.00	1.28	1,472.71	347.92	785	755.48	4.94	-0.28	0.00
170.00	0.00	-0.24	0.00	0.00	0.00	0.00	1,400.09	330.73	710	682.38	5.23	-0.28	0.00

ANALYSIS SUMMARY

Load Case	Base Reactions						Max Usage	
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.0W	30.13	0.00	66.29	0.00	0.00	3654.04	51.00	0.51
0.9D + 1.0W	30.12	0.00	49.71	0.00	0.00	3611.28	51.00	0.5
1.2D + 1.0Di + 1.0Wi	8.66	0.00	94.68	0.00	0.00	1056.76	89.25	0.16
1.2D + 1.0Ev + 1.0Eh	1.69	0.00	66.58	0.00	0.00	232.52	89.25	0.04
0.9D - 1.0Ev + 1.0Eh	1.68	0.00	46.24	0.00	0.00	229.12	89.25	0.04
1.0D + 1.0W	6.85	0.00	55.26	0.00	0.00	825.12	51.00	0.12

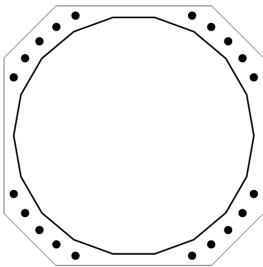
BASE PLATE ANALYSIS @ 0 FT

APPLIED REACTIONS

Moment (k-ft)	Axial (k)	Shear (k)
3654.04	66.29	30.13

PLATE PARAMETERS (ID# 23544)

Width:	70	in
Shape:	Square	
Thickness:	3.25	in
Grade:	A572-55	
Yield Strength:	55	ksi
Tensile Strength:	70	ksi
Clip Length:	14	in
Rod Detail Type:	d	
Clear Distance	3.125	in
Base Weld Size:	0.125	in
Orientation Offset:	-	°
Analysis Type:	Plastic	
Neutral Axis:	225	°



ANCHOR ROD PARAMETERS

Class	Arrangement	Quantity	Diameter (in)	Circle (in)	Grade	F <sub>y</sub> (ksi)	F <sub>u</sub> (ksi)	Spacing (in)	Offset (°)
Original [ID#24160]	Cluster	20	2.25	72	A615-75	75	100	6	-

COMPONENT PROPERTIES

Component	ID	Gross Area (in <sup>2</sup> )	Net Area (in <sup>2</sup> )	Individual Inertia (in <sup>4</sup> )	Moment of Inertia (in <sup>4</sup> )	Threads/in
Pole	64.11"ø x 0.4375" (18 Sides)	87.0708	-	-	44130.76	-
Bolt Group	Original (20) 2.25"ø	3.9761	3.2477	0.8393	39093.72	4.5

REACTION DISTRIBUTION

Component	ID	Moment M <sub>u</sub> (k-ft)	Axial Load P <sub>u</sub> (k)	Shear V <sub>u</sub> (k)	Moment Factor
Pole	64.11"ø x 0.4375" (18 Sides)	3654.0	66.29	30.13	1.000
Bolt Group	Original (20) 2.25"ø	3654.0	-	30.13	1.000

BASE PLATE BEND LINE ANALYSIS @ 0 FT

POLE PROPERTIES					PLATE PROPERTIES		
Flat-to-Flat Diameter:	64.24	in	Flat Width:	11.326	in	Neutral Axis:	225 °
Point-to-Point Diameter:	65.23	in	Flat Radians:	0.349	rad		
Orientation Offset:	-	°					
Bend Line	Chord Length (in)	Additional Length (in)	Section Modulus (in <sup>3</sup> )	Applied Moment M <sub>u</sub> (k-in)	Moment Capacity ΦM <sub>n</sub> (k-in)	Flexure Result M <sub>u</sub> /ΦM <sub>n</sub>	
Flats	34.760	0.00	91.788	1029.9	4543.5	22.7%	✓
Corners	33.769	0.00	89.171	717.3	4414.0	16.3%	✓

PLASTIC ANCHOR ROD ANALYSIS

Class	Group Quantity	Rod Diameter (in)	Applied Axial Load P <sub>u</sub> (k)	Applied Shear Load V <sub>u</sub> (k)	Compressive Capacity ΦP <sub>n</sub> (k)	Interaction Result
Original	20	2.25	114.7	2.6	243.6	49.2% ✓



## PIER FOUNDATION ANALYSIS

### GLOBAL REACTIONS

Moment (k-ft)	Axial (k)	Shear (k)
3,654.04	66.29	30.13

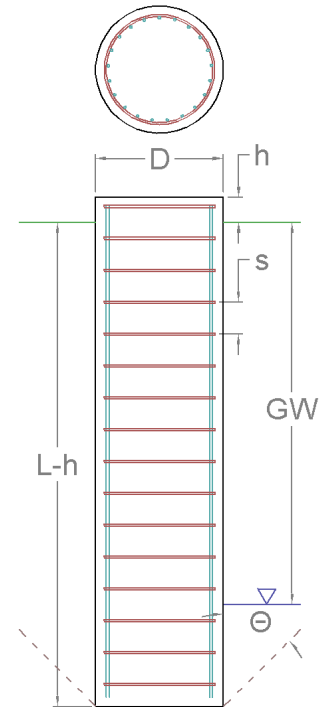
### FOUNDATION PARAMETERS

Pier Diameter:	D	8.00	ft
Pier Embedment Depth:	L-h	34.0	ft
Pier Height above Grade:	h	0.50	ft
Concrete Compressive Strength:		3,000	psi
Vertical Rebar:		(36) #11 bars [60 ksi]	
Tie Rebar:	s	#5 bars @ 18.0" c/c [40 ksi]	
Rebar Clear Cover:		4.00	in

### SOIL PARAMETERS

Water Table Depth [BGL]:	GW	-	ft
--------------------------	----	---	----

Layer Depth (ft)	Unit Weight pcf	Cohesion psf	Friction Angle °	Ultimate Skin Friction psf	Ultimate Net Bearing psf
Top	Bottom				
0	4.5	105	0	0	0
4.5	7	125	0	140	0
7	29	125	0	224	0
29	35	125	0	464	3,900



### SOIL STRENGTH ANALYSIS

Volume of Concrete (ft³)	Buoyant Weight of Concrete (k)	Skin Friction Resistance (k)	Inflection Point [BGL] (ft)
1,734.16	260.12	190.96	24.42

### SOIL MOMENT ANALYSIS

Total Lateral Resistance (k)	Moment at Inflection Point, $M_u$ (k-ft)	Additional Resistance (k-ft)	Nominal Moment Capacity, $\Phi M_n$ (k-ft)	Soil Moment Usage, $M_u / \Phi M_n$
4,532.10	4,404.95	0.00	21,434.01	20.6%

### SOIL COMPRESSION ANALYSIS

Compressive Bearing Resistance (k)	Compressive Force, $P_u$ (k)	Additional Resistance (k)	Nominal Compressive Capacity, $\Phi P_n$ (k)	Soil Compressive Usage, $P_u / \Phi P_n$
196.04	122.99	0.00	290.25	42.4%

REINFORCING STEEL STRENGTH ANALYSIS

Rebar Cage Diameter (in)	Steel Elastic Modulus, E (ksi)	Strength Bending/Tension Reduction Factor, $\Phi_b$	Strength Shear Reduction Factor, $\Phi_v$	Strength Compression Reduction Factor, $\Phi_c$
85.34	29,000	0.9	0.75	0.65

PIER REINFORCING MOMENT ANALYSIS

Design Moment, $M_u$ (k-ft)	Nominal Moment Capacity, $\Phi_b M_n$ (k-ft)	Bending Reinforcement Ratio	Pier Rebar Flexure Usage, $M_u / \Phi_b M_n$
3,670.97	10,546.89	0.01	34.8%



PIER REINFORCING COMPRESSION ANALYSIS

Buoyant Weight of Concrete (k)	Design Compression, $P_u$ (k)	Nominal Compressive Capacity, $\Phi_p P_n$ (k)	Pier Rebar Compressive Usage, $P_u / \Phi_p P_n$
260.12	122.99	11,275.62	1.1%



PIER REINFORCING SHEAR ANALYSIS

Design Shear, $V_u$ (k)	Nominal Shear Capacity, $\Phi_v V_n$ (k)	Pier Rebar Shear Usage, $V_u / \Phi_v V_n$
279.52	676.76	41.3%



# EXHIBIT 4





Colliers Engineering & Design CT, PC  
1055 Washington Boulevard  
Stamford, CT 06901  
203.324.0800  
peter.albano@colliersengineering.com

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## Antenna Mount Analysis Report and PMI Requirements

### Mount ReAnalysis

SMART Tool Project #: 10208060  
Colliers Engineering & Design CT, P.C., Project #: 23777215

August 3, 2023

#### Site Information

Site ID: 5000243620-VZW / MANSFIELD NORTH CT  
Site Name: MANSFIELD NORTH CT  
Carrier Name: Verizon Wireless  
Address: 1725 Stafford Road  
Mansfield, Connecticut 06268  
Tolland County  
Latitude: 41.836000°  
Longitude: -72.307611°

#### Structure Information

Tower Type: 170-Ft Monopole  
Mount Type: 14.00-Ft Platform

FUZE ID # 17123889

#### Analysis Results

Platform: 68.9% Pass\*

**\*Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.**

#### \*\*\*Contractor PMI Requirements:

*Included at the end of this MA report*

*Available & Submitted via portal at <https://pmi.vzwsmart.com>*

*For additional questions and support, please reach out to:  
[pmisupport@colliersengineering.com](mailto:pmisupport@colliersengineering.com)*

Report Prepared By: Gilberto Martinez

## **Executive Summary:**

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

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

## **Sources of Information:**

Document Type	Remarks
<i>Radio Frequency Data Sheet (RFDS)</i>	<i>Verizon RFDS, Site ID: 674962, dated March 16, 2021</i>
<i>Final Loading Configuration</i>	<i>Filter Add Scope Provided by Verizon Wireless</i>
<i>Previous Modification Drawings</i>	<i>Maser Consulting Connecticut, Project #: 21777463, Dated June 25, 2021</i>
<i>Post Modification Inspection Report</i>	<i>Colliers Engineering &amp; Design, Project #: 21777463, Dated June 22, 2021</i>

## **Analysis Criteria:**

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), $V_{ULT}$ : 120 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.50 in Risk Category: II Exposure Category: B Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, $K_e$ : 0.987
Seismic Parameters:	$S_s$ : 0.186 g $S_1$ : 0.055 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, $L_v$ : 250 lbs. Maintenance Live Load, $L_m$ : 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
168.00	170.00	3	Samsung	MT6407-77A	Retained
		6	Commscope	NHH-65B-R2B	
		3	Amphenol Antel	BXA-70080-4CF-EDIN-0	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		2	Raycap	RVZDC-6627-PF-48	
		2	KAelus	KA-6030	Added

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

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

### **Standard Conditions:**

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design 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 Colliers Engineering & Design 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. Colliers Engineering & Design is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
  - Channel, Solid Round, Angle, Plate      ASTM A36 (Gr. 36)
  - HSS (Rectangular)                              ASTM 500 (Gr. B-46)
  - Pipe    ASTM A53 (Gr. B-35)
  - Threaded Rod                                      F1554 (Gr. 36)
  - Bolts    ASTM A325

**Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Colliers Engineering & Design.**

### **Analysis Results:**

Component	Utilization %	Pass/Fail
Face	62.4 %	Pass
Standoff	40.3 %	Pass
Grating Support	41.9 %	Pass
Grating Corner Support	11.8 %	Pass
Antenna Pipe	42.8 %	Pass
Support Rail	68.9 %	Pass
Support Rail Corner	47.7 %	Pass
V-Brace	24.0 %	Pass
Mount Connection	26.0 %	Pass

<b>Structure Rating – (Controlling Utilization of all Components)</b>	<b>68.9%</b>
---	--------------

### **Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:**

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	39.2	38.6	54.1	53.6
0.5	49.6	48.9	70.8	70.2
1	59.6	58.9	87.2	86.4

Notes:

- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 3 sector(s).
- Ka factors included in (EPA)a calculations

## **Requirements:**

The existing mount is **SUFFICIENT** for the final loading configuration shown in attachment 2 and do not require modifications. Additional requirements are noted below.

Contractor shall install the proposed filter units on new Site Pro 1 Dual Swivel Mount Kit (Part #: RRUDSM or EOR approved equivalent) in the location shown in the placement diagrams.

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

## **Attachments:**

1. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
2. Antenna Placement Diagrams
3. Mount Photos
4. Mount Mapping Report (for reference only)
5. Analysis Calculations

# Mount Desktop – Post Modification Inspection (PMI) Report Requirements

## Documents & Photos Required from Contractor – **Passing Mount Analysis**

Passing Mount Analysis requires a PMI due to a modification in loading.

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](mailto:pmisupport@colliersengineering.com)

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PSLC #: 5000243620

SMART Project #: 10208060

Fuze Project ID: 17123889

**Purpose** – to provide SMART Tool structural vendor the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

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

### **Base Requirements:**

- If installation 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 mount drawings” showing contractor’s name, contact information, 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 passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo should be time and date stamped
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. 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.
  - Photos of the mount after installation; if the mounts are at different rad elevations, pictures must be provided for all elevations that equipment was installed.
- *Photos taken at Mount Elevation*
  - Photos showing the safety climb wire rope above and below the mount prior to installation.
  - Photos showing the climbing facility and safety climb if present.
  - Photos showing each individual sector after installation. Each entire sector shall 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.

**Antenna & equipment placement and Geometry Confirmation:**

- The contractor shall certify that the antenna & equipment placement and geometry is in accordance with the sketch and table as included in the mount analysis and noted below.
- ☐ 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.

**Special Instructions / Validation as required from the MA or any other information the contractor deems necessary to share that was identified:**

**Issue:**

Contractor shall install the proposed filter units on new Site Pro 1 Dual Swivel Mount Kit (Part #: RRUDSM or EOR approved equivalent) in the location shown in the placement diagrams.
---

**Response:**

--

**Special Instruction Confirmation:**

- ☐ The contractor has read and acknowledges the above special instructions.
- ☐ All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.
- ☐ The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) 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 engineering vendor as an “equivalent” and this approval is included as part of the contractor submission.

**Comments:**

--

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

☐ Yes      ☐ No

**Contractor certifies no new damage created during the current installation:**

☐ Yes      ☐ No

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

☐ Safety Climb in Good Condition      ☐ Safety Climb Damaged

**Certifying Individual:**

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

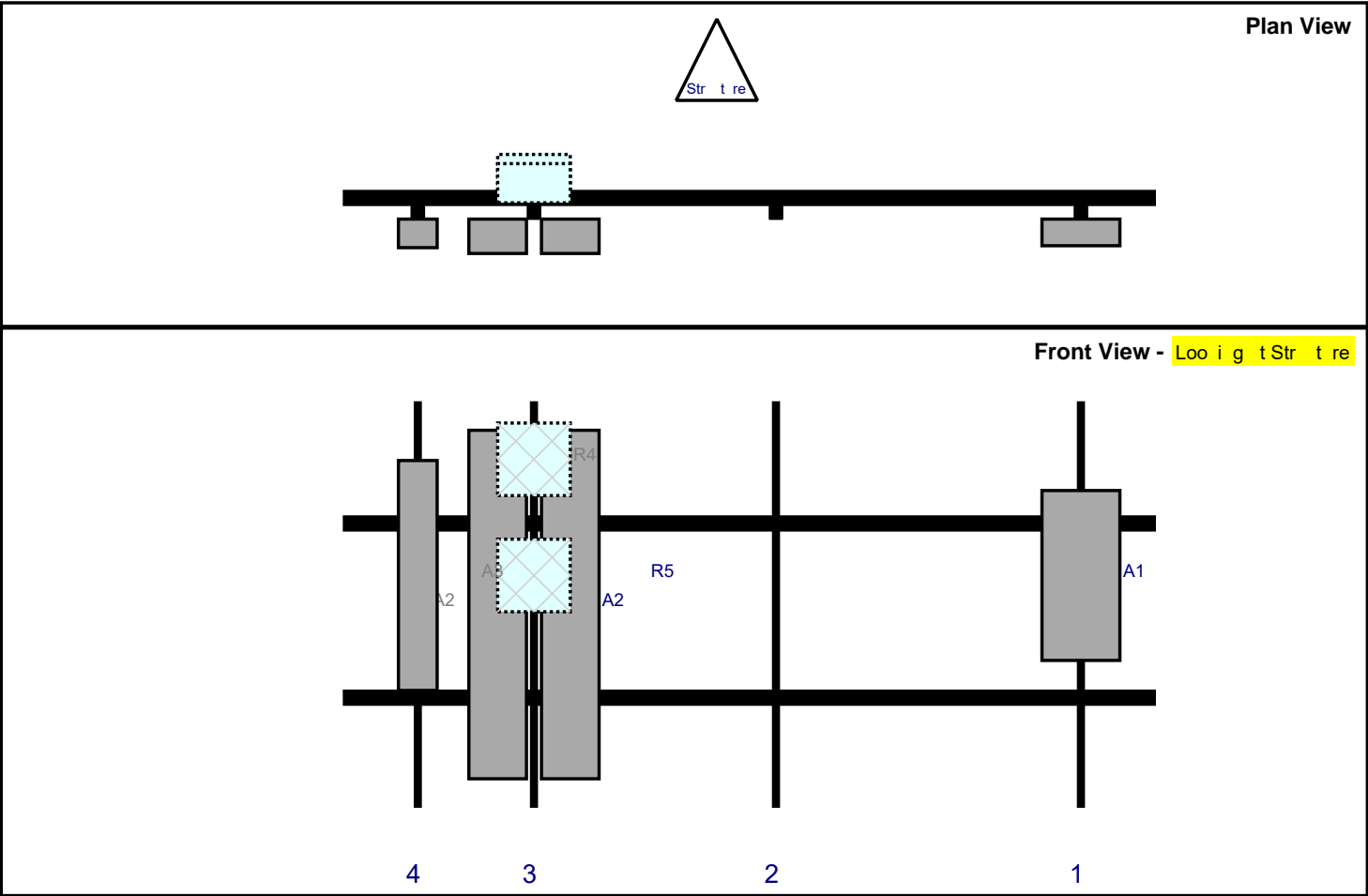
Se tor: A  
Str t re Type: Mo opole  
Mo t Elev: 168.00

10208060

8/2/2023



P ge: 1



Re #	Model	Height (i )	Width (i )	H Dist Fr L.	Pipe #	Pipe Pos V	A t Pos	C. A t Fr T.	A t H O	St t s	V lid tio
A1	MT6407-77A	35.1	16.1	152.5	1		Fro t	36	0	Ret i ed	09/14/2022
A2	NHH-65B-R2B	72	11.9	39.5	3		Fro t	42	7.5	Ret i ed	09/14/2022
A2	NHH-65B-R2B	72	11.9	39.5	3		Fro t	42	-7.5	Ret i ed	09/14/2022
R4	B2/B66A RRH-BR049	15	15	39.5	3		Behi d	12	0	Ret i ed	09/14/2022
R5	B5/B13 RRH-BR04C	15	15	39.5	3		Behi d	36	0	Ret i ed	09/14/2022
A3	BXA-70080-4CF-EDIN-0	47.5	8	15.5	4		Fro t	36	0	Ret i ed	09/14/2022

Se tor: B

8/2/2023

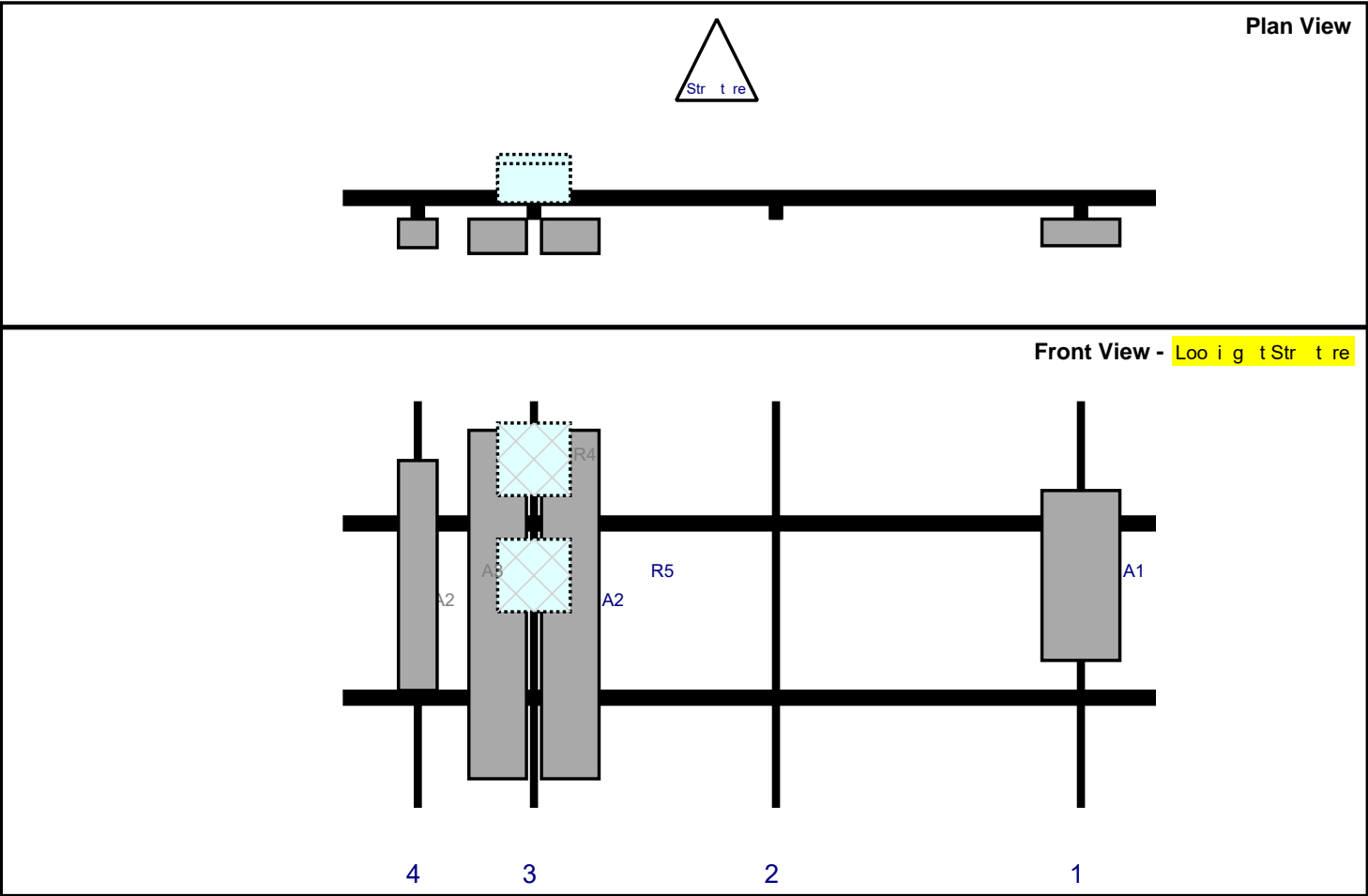
Str t re Type: Mo opole

10208060



Mo t Elev: 168.00

P ge: 2



Re #	Model	Height (i )	Width (i )	H Dist Fr L.	Pipe #	Pipe Pos V	A t Pos	C. A t Fr T.	A t H O	St t s	V lid tio
A1	MT6407-77A	35.1	16.1	152.5	1		Fro t	36	0	Ret i ed	09/14/2022
A2	NHH-65B-R2B	72	11.9	39.5	3		Fro t	42	-7.5	Ret i ed	09/14/2022
A2	NHH-65B-R2B	72	11.9	39.5	3		Fro t	42	7.5	Ret i ed	09/14/2022
R4	B2/B66A RRH-BR049	15	15	39.5	3		Behi d	12	0	Ret i ed	09/14/2022
R5	B5/B13 RRH-BR04C	15	15	39.5	3		Behi d	36	0	Ret i ed	09/14/2022
A3	BXA-70080-4CF-EDIN-0	47.5	8	15.5	4		Fro t	36	0	Ret i ed	09/14/2022



Se tor: C

8/2/2023

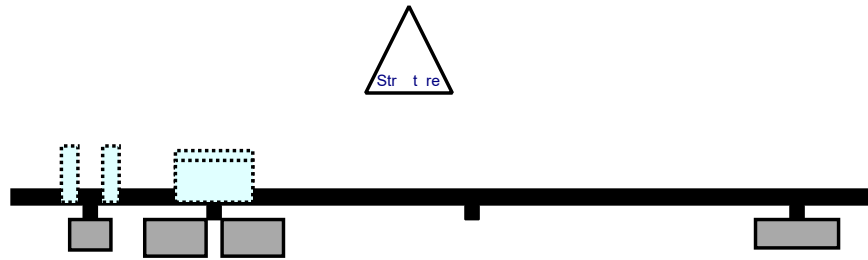
Str t re Type: Mo opole

10208060

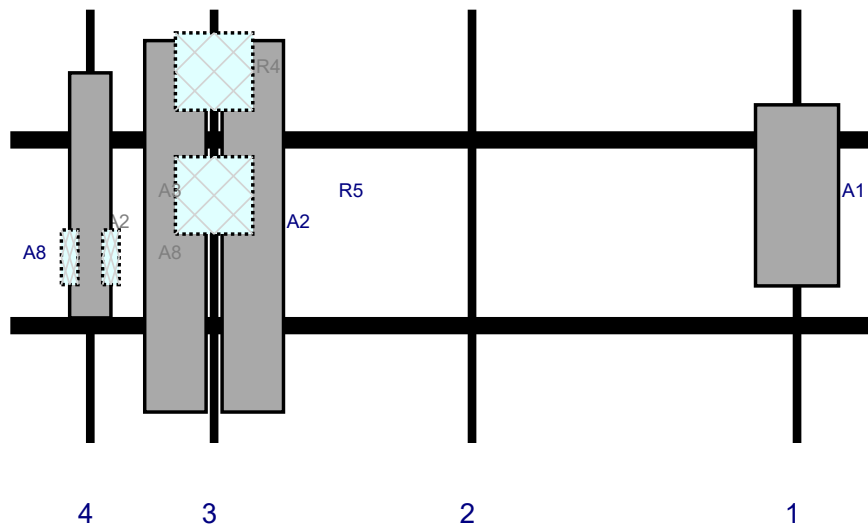
Mo t Elev: 168.00

P ge: 3

Plan View



Front View - Looking at Str t re



Re #	Model	Height (i )	Width (i )	H Dist Fr L.	Pipe #	Pipe Pos V	A t Pos	C. A t Fr T.	A t H O	St t s	V lid tio
A1	MT6407-77A	35.1	16.1	152.5	1		Fro t	36	0	Ret i ed	09/14/2022
A2	NHH-65B-R2B	72	11.9	39.5	3		Fro t	42	7.5	Ret i ed	09/14/2022
A2	NHH-65B-R2B	72	11.9	39.5	3		Fro t	42	-7.5	Ret i ed	09/14/2022
R4	B2/B66A RRH-BR049	15	15	39.5	3		Behi d	12	0	Ret i ed	09/14/2022
R5	B5/B13 RRH-BR04C	15	15	39.5	3		Behi d	36	0	Ret i ed	09/14/2022
A3	BXA-70080-4CF-EDIN-0	47.5	8	15.5	4		Fro t	36	0	Ret i ed	09/14/2022
A8	KA-6030	10.6	3.2	15.5	4		Behi d	48	4	Added	
A8	KA-6030	10.6	3.2	15.5	4		Behi d	48	-4	Added	
OVP	RVZDC-6627-PF-48	28.9	10.3		Me	er				Ret i ed	09/14/2022





## Antenna Mount Mapping Form (PATENT PENDING)

FCC #

UNKNOWN

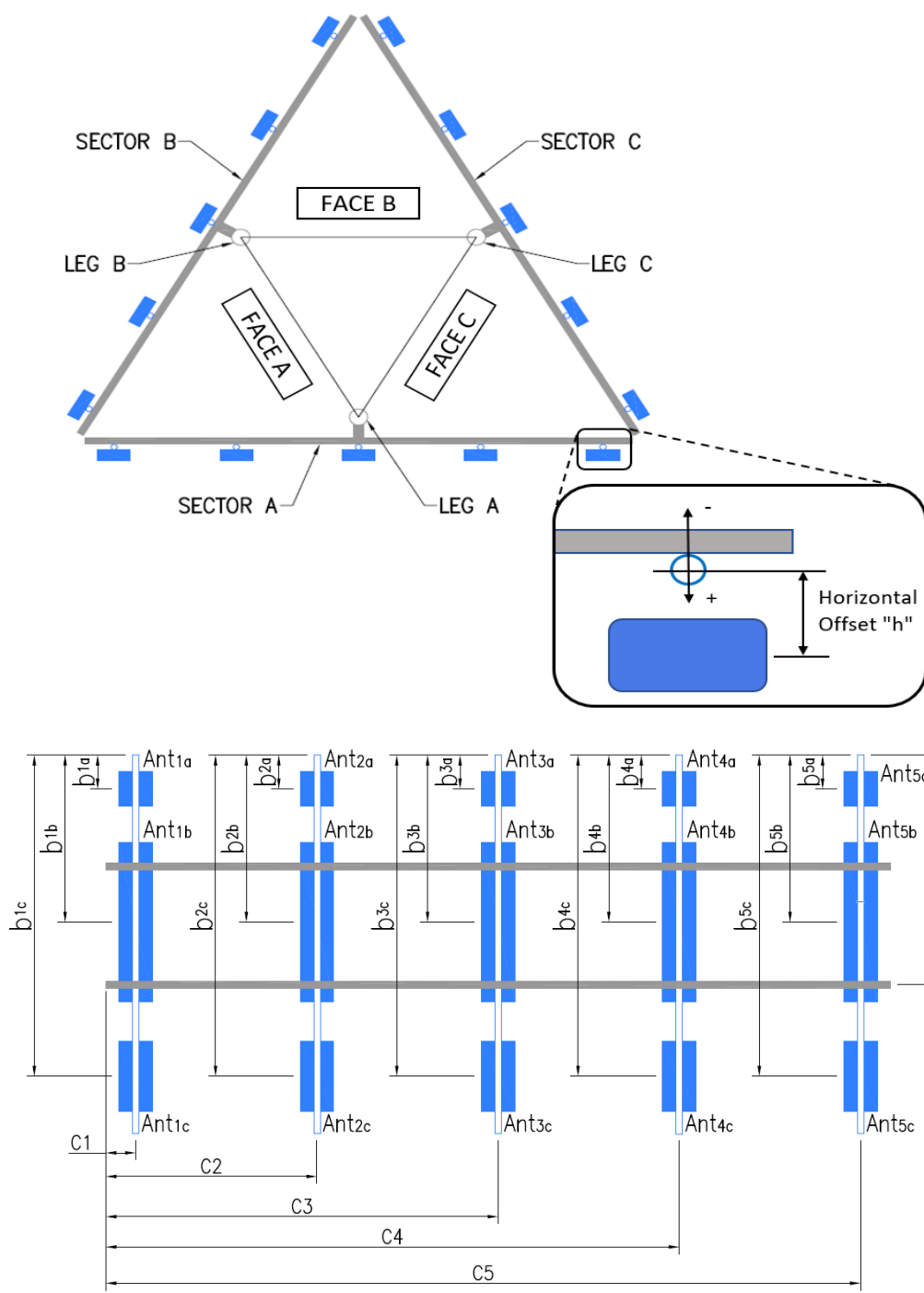
<b>Tower Owner:</b>	AMERICAN TOWER CORPORATION	<b>Mapping Date:</b>	3/29/2021
<b>Site Name:</b>	ATC: MANSFIELD CENTER 2 CT; VZW: MANSFIELD NORTH CT	<b>Tower Type:</b>	Monopole
<b>Site Number or ID:</b>	ATC: 376047	<b>Tower Height (Ft.):</b>	169.5
<b>Mapping Contractor:</b>	RKS Design & Engineering LLC	<b>Mount Elevation (Ft.):</b>	169.75

This antenna mapping form is the property of TES and under **PATENT PENDING**. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited except by express written permission of TES. All means and methods are the responsibility of the contractor and the work shall be compliant with ANSI/ASSE A 10.48, OSHA, FCC, FAA and other safety requirements that may apply. TES is not warranting the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.

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	PIPE 2.375"Ø X 0.16" X 84.25" LONG	56.25	15.50	C1	PIPE 2.375"Ø X 0.16" X 84.25" LONG	56.25	15.50
A2	PIPE 2.375"Ø X 0.16" X 84" LONG	61.25	78.50	C2	PIPE 2.375"Ø X 0.16" X 84" LONG	61.25	78.50
A3	PIPE 2.375"Ø X 0.16" X 84" LONG	56.50	128.50	C3	PIPE 2.375"Ø X 0.16" X 84" LONG	56.50	128.50
A4	PIPE 2.375"Ø X 0.16" X 84.25" LONG	63.75	152.50	C4	PIPE 2.375"Ø X 0.16" X 84.25" LONG	63.75	152.50
A5				C5			
A6				C6			
B1	PIPE 2.375"Ø X 0.16" X 84.25" LONG	56.25	15.50	D1			
B2	PIPE 2.375"Ø X 0.16" X 84" LONG	61.25	78.50	D2			
B3	PIPE 2.375"Ø X 0.16" X 84" LONG	56.50	128.50	D3			
B4	PIPE 2.375"Ø X 0.16" X 84.25" LONG	63.75	152.50	D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							
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.) :							5.5
Please enter additional information or comments below.							
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):					25

Enter antenna model. If not labeled, enter "Unknown".							Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances "b <sub>1a</sub> , b <sub>2a</sub> , b <sub>3a</sub> , b <sub>1b</sub> ...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
<b>Sector A</b>										
Ant <sub>1a</sub>	B4 RRH2X60-4R	10.63	5.75	36.60		172.021	29.00	-7.00		33, 178
Ant <sub>1b</sub>	HBXX-6517DS-A2M	12.00	6.50	75.00		171.479	35.50	9.00	15.00	33, 178
Ant <sub>1c</sub>										
Ant <sub>2a</sub>										
Ant <sub>2b</sub>	LNX-6514DS-A1M	11.90	7.10	72.90		171.479	40.50	7.00	15.00	33, 179
Ant <sub>2c</sub>										
Ant <sub>3a</sub>										
Ant <sub>3b</sub>	HBXX-6517DS-A2M	12.00	6.50	75.00		171.625	34.00	9.00	15.00	33, 180
Ant <sub>3c</sub>										
Ant <sub>4a</sub>										
Ant <sub>4b</sub>	BXA-70080-4CF-EDIN	8.00	5.90	47.50		171.896	38.00	9.50	15.00	33, 180
Ant <sub>4c</sub>										
Ant <sub>5a</sub>										
Ant <sub>5b</sub>										
Ant <sub>5c</sub>										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										



**Antenna Layout (Looking Out From Tower)**

[illegible]

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1	Crack in concrete wall above window	101
2	Loose rebar protruding from roof edge	102
3	Water leakage from roof joint	103
4	Corrosion on steel beam	104
5	Missing safety railing	105
6	Cracked masonry at base of wall	106
7	Protruding nails in floor joist	107
8	Spalling concrete on balcony	108
9	Leaking pipe in ceiling	109
10	Structural damage to roof truss	110

1	COAX TOTAL (13): (12) FH 1-5/8, (1) 1-1/2"Ø	
2		
3		
4		
5		
6		
7		
8		

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





# Antenna Mount Mapping Form (PATENT PENDING)

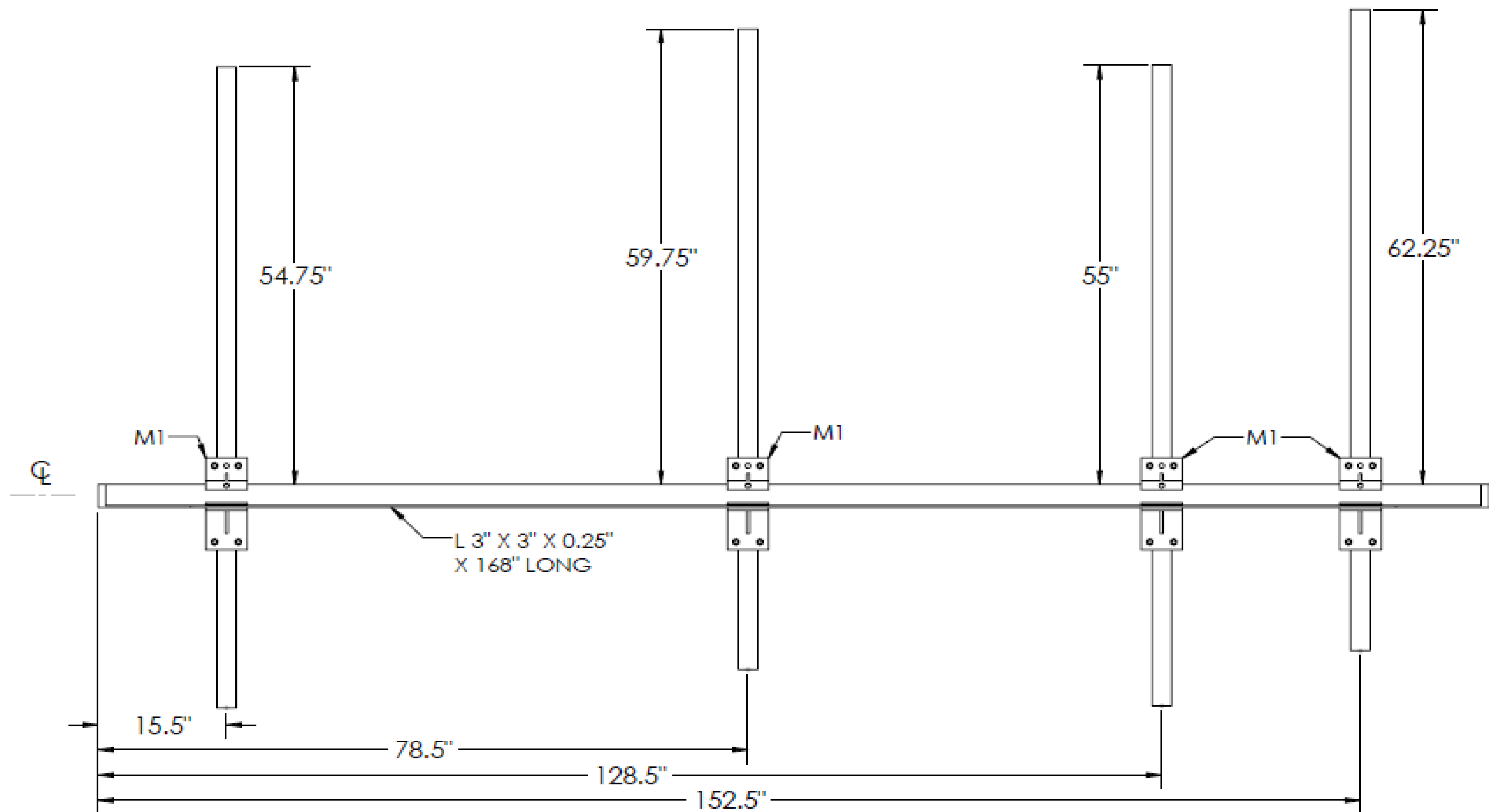
FCC #

UNKNOWN

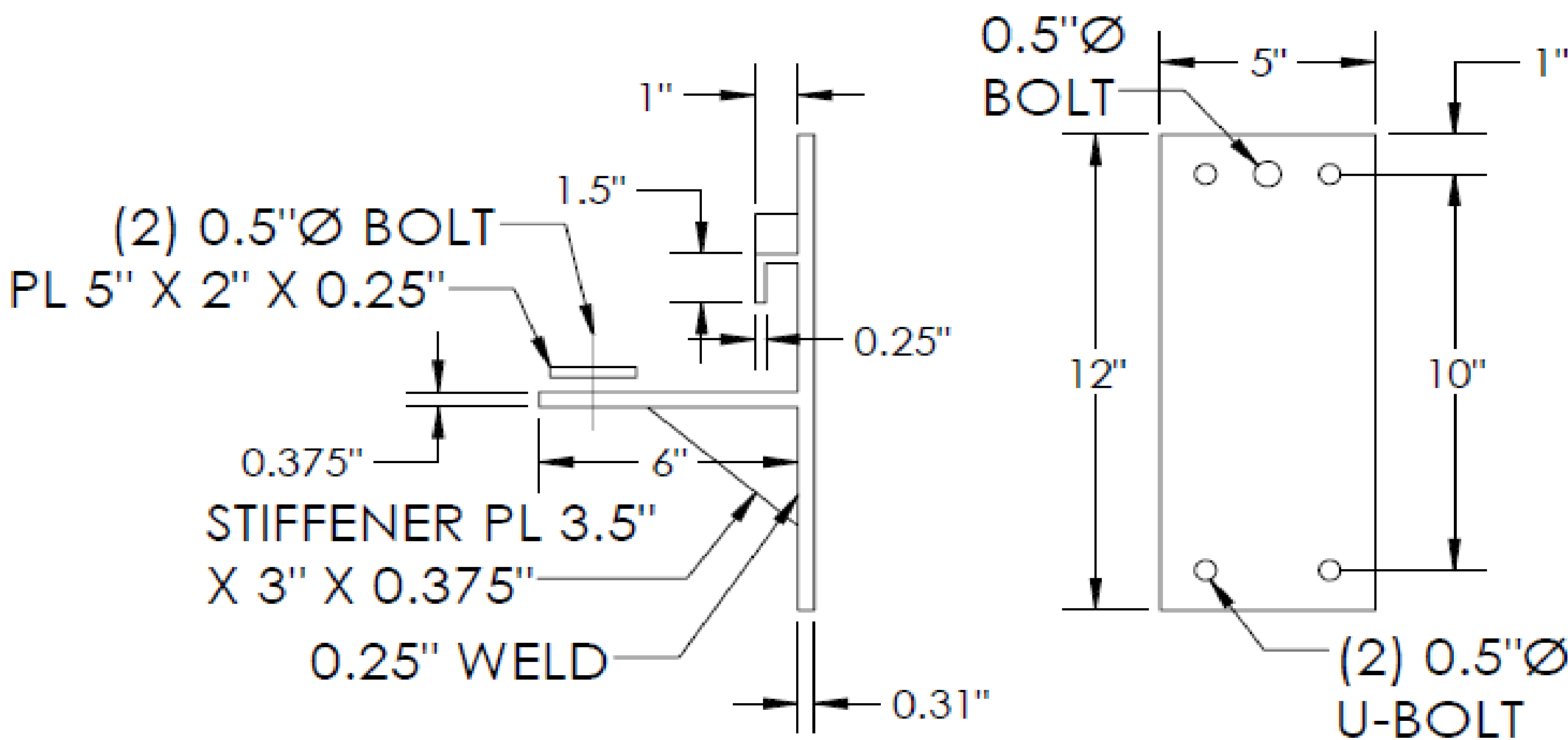
Tower Owner:	AMERICAN TOWER CORPORATION	Mapping Date:	3/29/2021
Site Name:	ATC: MANSFIELD CENTER 2 CT; VZW: MANSFIELD NORTH CT	Tower Type:	Monopole
Site Number or ID:	ATC: 376047	Tower Height (Ft.):	169.5
Mapping Contractor:	RKS Design & Engineering LLC	Mount Elevation (Ft.):	169.75

This antenna mapping form is the property of TES and under **PATENT PENDING**. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited except by express written permission of TES. All means and methods are the responsibility of the contractor and the work shall be compliant with ANSI/ASSE A 10.48, OSHA, FCC, FAA and other safety requirements that may apply. TES is not warranting the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.

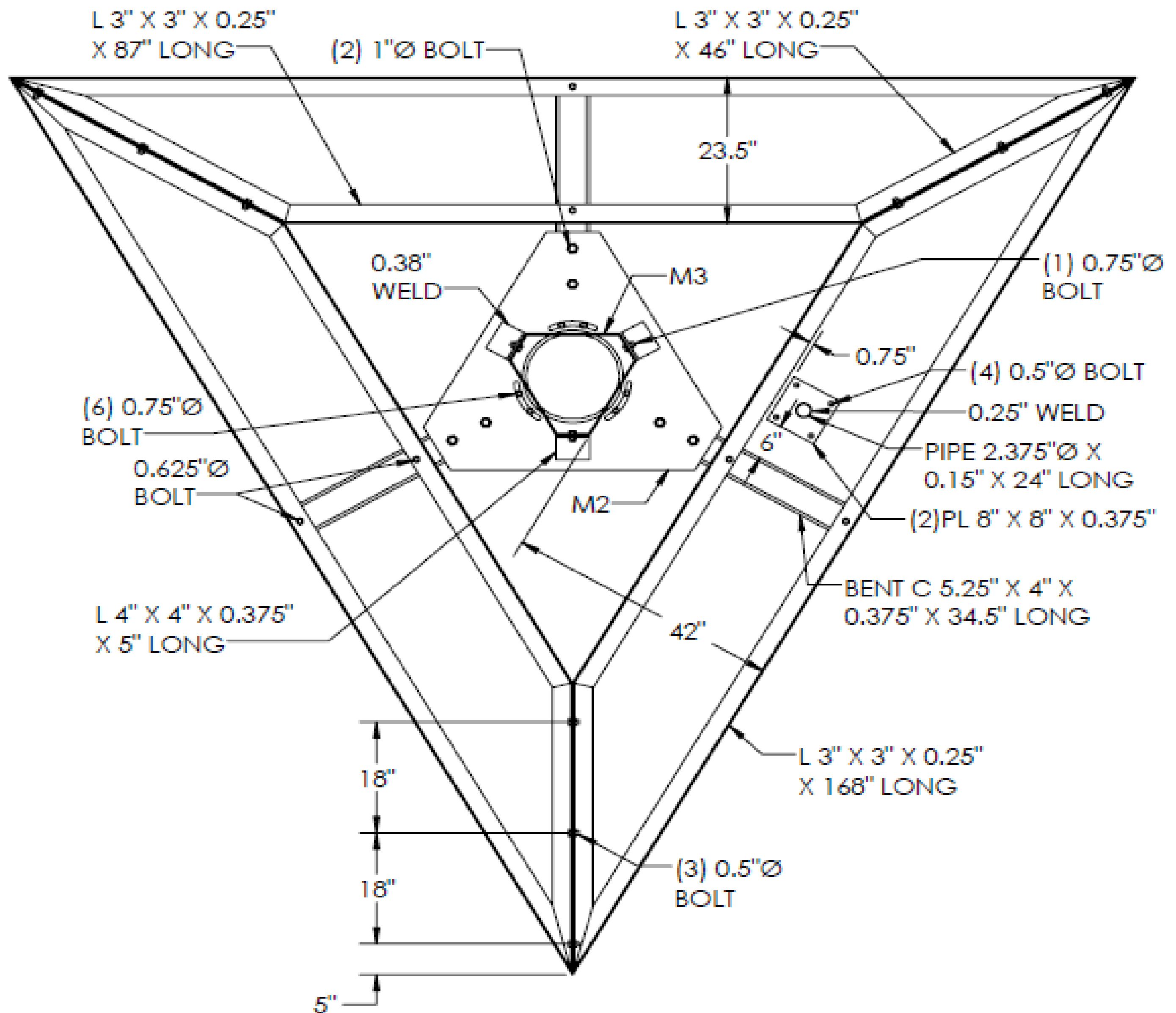
Please Insert Sketches of the Antenna Mount



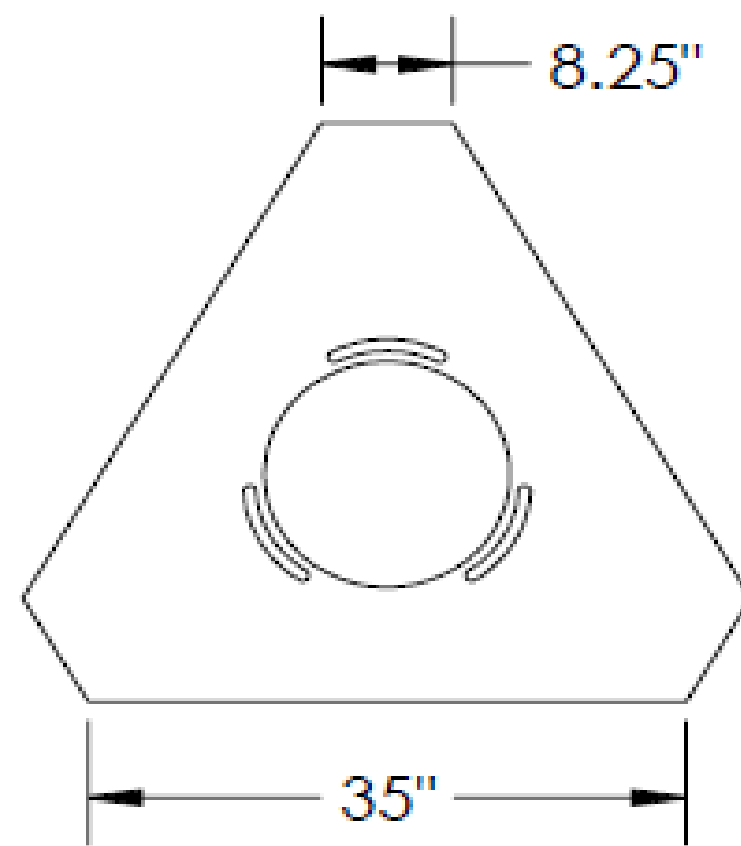
**SECTOR A, B & C**



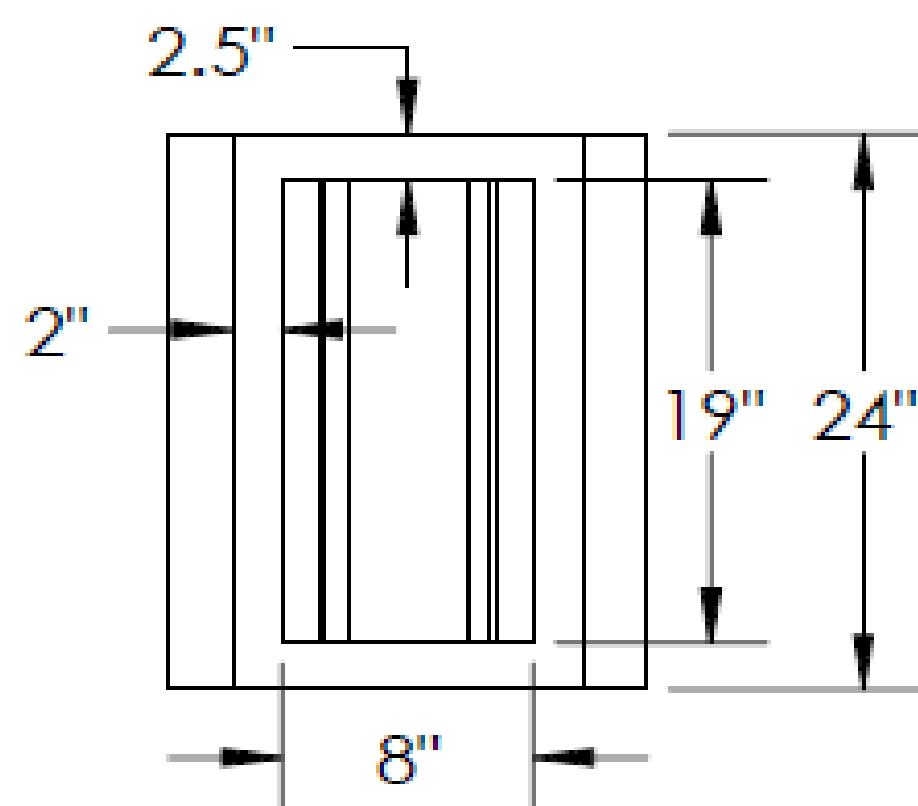
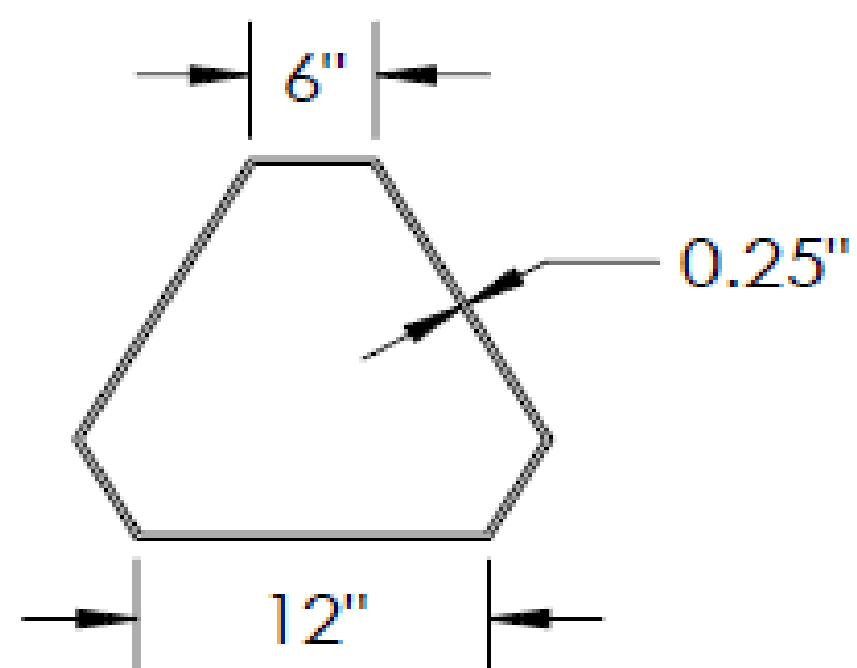
**M1 MEMBER DETAIL**



**MOUNT PLAN VIEW**

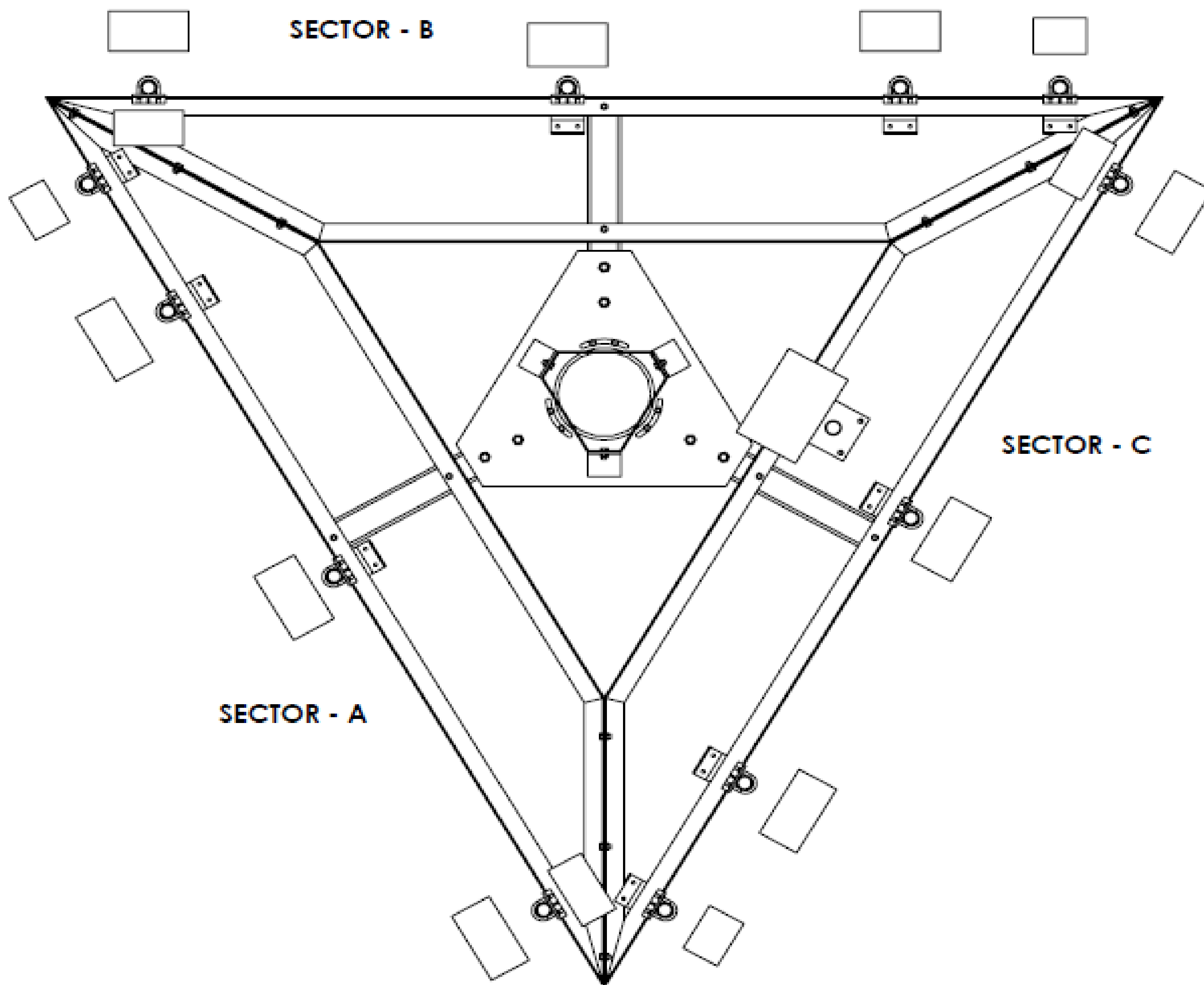


M2 MEMBER DETAIL  
0.75" THK

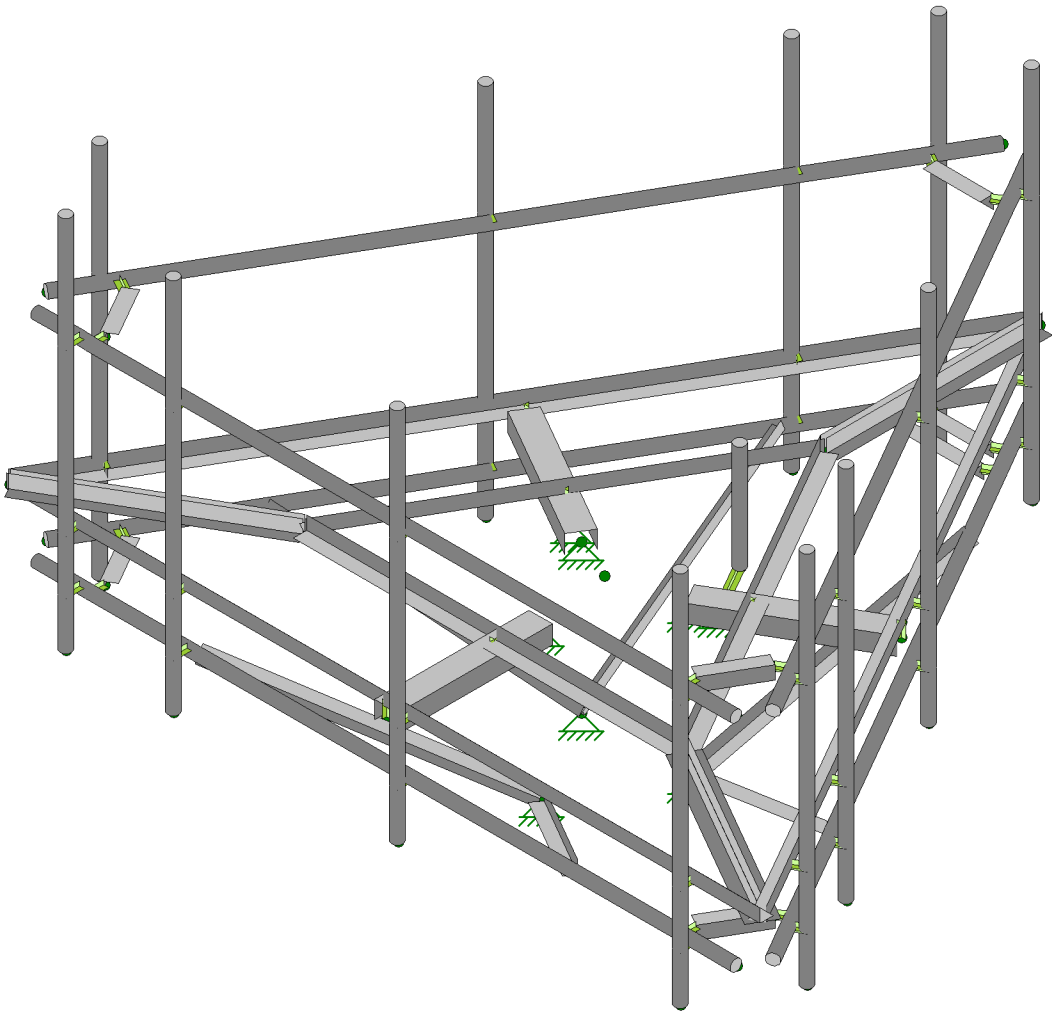
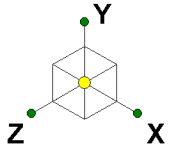


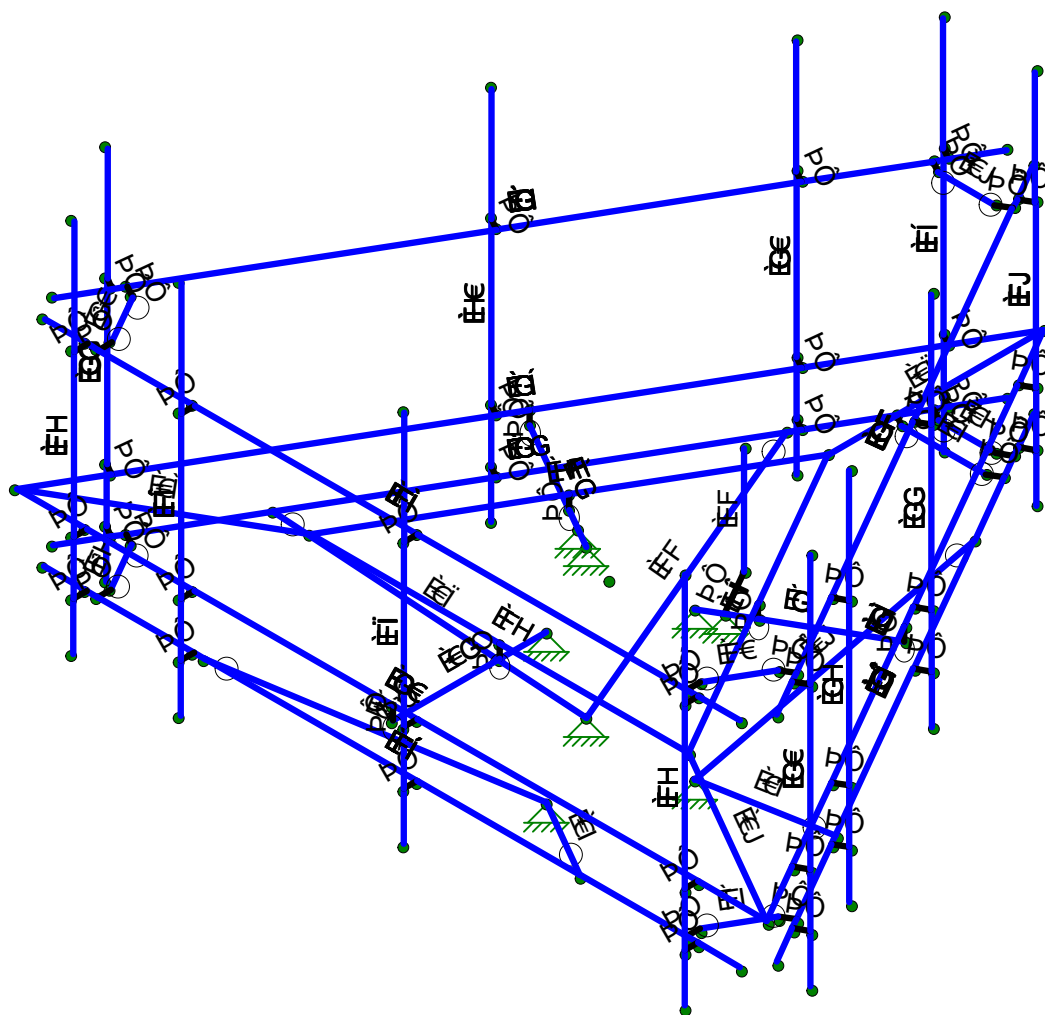
M3 MEMBER DETAIL





**ANTENNA PLAN VIEW**





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		Í EGG H GEGY 'TV' ŠU' PĚA



### Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					108			
2	Antenna Di	None					108			
3	Antenna Wo (0 Deg)	None					108			
4	Antenna Wo (30 Deg)	None					108			
5	Antenna Wo (60 Deg)	None					108			
6	Antenna Wo (90 Deg)	None					108			
7	Antenna Wo (120 Deg)	None					108			
8	Antenna Wo (150 Deg)	None					108			
9	Antenna Wo (180 Deg)	None					108			
10	Antenna Wo (210 Deg)	None					108			
11	Antenna Wo (240 Deg)	None					108			
12	Antenna Wo (270 Deg)	None					108			
13	Antenna Wo (300 Deg)	None					108			
14	Antenna Wo (330 Deg)	None					108			
15	Antenna Wi (0 Deg)	None					108			
16	Antenna Wi (30 Deg)	None					108			
17	Antenna Wi (60 Deg)	None					108			
18	Antenna Wi (90 Deg)	None					108			
19	Antenna Wi (120 Deg)	None					108			
20	Antenna Wi (150 Deg)	None					108			
21	Antenna Wi (180 Deg)	None					108			
22	Antenna Wi (210 Deg)	None					108			
23	Antenna Wi (240 Deg)	None					108			
24	Antenna Wi (270 Deg)	None					108			
25	Antenna Wi (300 Deg)	None					108			
26	Antenna Wi (330 Deg)	None					108			
27	Antenna Wm (0 Deg)	None					108			
28	Antenna Wm (30 Deg)	None					108			
29	Antenna Wm (60 Deg)	None					108			
30	Antenna Wm (90 Deg)	None					108			
31	Antenna Wm (120 De..	None					108			
32	Antenna Wm (150 De..	None					108			
33	Antenna Wm (180 De..	None					108			
34	Antenna Wm (210 De..	None					108			
35	Antenna Wm (240 De..	None					108			
36	Antenna Wm (270 De..	None					108			
37	Antenna Wm (300 De..	None					108			
38	Antenna Wm (330 De..	None					108			
39	Structure D	None		-1					3	
40	Structure Di	None						44	3	
41	Structure Wo (0 Deg)	None						88		
42	Structure Wo (30 Deg)	None						88		
43	Structure Wo (60 Deg)	None						88		
44	Structure Wo (90 Deg)	None						88		
45	Structure Wo (120 D...	None						88		
46	Structure Wo (150 D...	None						88		
47	Structure Wo (180 D...	None						88		
48	Structure Wo (210 D...	None						88		
49	Structure Wo (240 D...	None						88		
50	Structure Wo (270 D...	None						88		
51	Structure Wo (300 D...	None						88		
52	Structure Wo (330 D...	None						88		
53	Structure Wi (0 Deg)	None						88		
54	Structure Wi (30 Deg)	None						88		
55	Structure Wi (60 Deg)	None						88		
56	Structure Wi (90 Deg)	None						88		
57	Structure Wi (120 De..	None						88		
58	Structure Wi (150 De..	None						88		

### Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
59	Structure Wi (180 De...	None						88		
60	Structure Wi (210 De...	None						88		
61	Structure Wi (240 De...	None						88		
62	Structure Wi (270 De...	None						88		
63	Structure Wi (300 De...	None						88		
64	Structure Wi (330 De...	None						88		
65	Structure Wm (0 Deg)	None						88		
66	Structure Wm (30 De...	None						88		
67	Structure Wm (60 De...	None						88		
68	Structure Wm (90 De...	None						88		
69	Structure Wm (120 D...	None						88		
70	Structure Wm (150 D...	None						88		
71	Structure Wm (180 D...	None						88		
72	Structure Wm (210 D...	None						88		
73	Structure Wm (240 D...	None						88		
74	Structure Wm (270 D...	None						88		
75	Structure Wm (300 D...	None						88		
76	Structure Wm (330 D...	None						88		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					108			
82	Antenna Eh (0 Deg)	None					72			
83	Antenna Eh (90 Deg)	None					72			
84	Structure Ev	ELY							3	
85	Structure Eh (0 Deg)	ELZ			-03				3	
86	Structure Eh (90 Deg)	ELX	.03						3	
87	BLC 39 Transient Are...	None						29		
88	BLC 40 Transient Are...	None						29		
89	BLC 84 Transient Are...	None								
90	BLC 85 Transient Are...	None						29		
91	BLC 86 Transient Are...	None						29		

### Load Combinations

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

### Load Combinations (Continued)

	Description	Sol.	PD.	SR.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.
22	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1	
23	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1	
24	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1	
25	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1			
26	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1			
27	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1			
28	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1			
29	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1			
30	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1			
31	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1			
32	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1			
33	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1			
34	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1			
35	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1			
36	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1			
37	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1			
38	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1			
39	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1			
40	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1			
41	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1			
42	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1			
43	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1			
44	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1			
45	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1			
46	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1			
47	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1			
48	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1			
49	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	79	1.5							
50	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	80	1.5							
51	1.4D	Yes	Y		1	1.4	39	1.4									
52	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ 1 ELX
53	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ .866 ELX .5
54	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ .5 ELX .866
55	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ ELX 1
56	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ -.5 ELX .866
57	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ -.866 ELX .5
58	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ -1 ELX
59	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ -.866 ELX -.5
60	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ -.5 ELX -.866
61	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ ELX -1
62	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ .5 ELX -.866
63	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ .866 ELX -.5
64	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ 1 ELX
65	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ .866 ELX .5
66	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ .5 ELX .866
67	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ ELX 1
68	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ -.5 ELX .866
69	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ -.866 ELX .5
70	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ -1 ELX
71	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ -.866 ELX -.5
72	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ -.5 ELX -.866
73	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ ELX -1
74	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ .5 ELX -.866
75	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ .866 ELX -.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	0.	-25	1.166452	0	
3	N3	1.371021	-25	-0.791559	0	
4	N4	-1.010177	-25	-0.583226	0	
5	N5	-1.371021	-25	-0.791559	0	
6	N6	1.010177	-25	-0.583226	0	
7	N8	-7	0	4.041452	0	
8	N9	7.	0	4.041452	0	
9	N10	-0.	0	-8.082904	0	
10	N11	0.	-25	4.041452	0	
11	N12	-3.5	-25	-2.020726	0	
12	N13	3.5	-25	-2.020726	0	
13	N14	0.	0	2.041452	0	
14	N15	3.535898	0	2.041452	0	
15	N16	-3.535898	0	2.041452	0	
16	N17	1.767949	0	-1.020726	0	
17	N18	-0.	0	-4.082904	0	
18	N19	-1.767949	0	-1.020726	0	
19	N20	5.708333	0	4.041452	0	
20	N21	0.458333	0	4.041452	0	
21	N22	-3.708333	0	4.041452	0	
22	N23	-5.708333	0	4.041452	0	
23	N24	5.708333	0	4.291452	0	
24	N25	0.458333	0	4.291452	0	
25	N26	-3.708333	0	4.291452	0	
26	N27	-5.708333	0	4.291452	0	
27	N28	5.708333	5.104167	4.291452	0	
28	N29	0.458333	5.104167	4.291452	0	
29	N30	-3.708333	5.104167	4.291452	0	
30	N31	-5.708333	5.104167	4.291452	0	
31	N32	5.708333	-1.895833	4.291452	0	
32	N33	0.458333	-1.895833	4.291452	0	
33	N34	-3.708333	-1.895833	4.291452	0	
34	N35	-5.708333	-1.895833	4.291452	0	
35	N36	0.645833	0	-6.964288	0	
36	N37	3.270833	0	-2.417654	0	
37	N38	5.354167	0	1.190785	0	
38	N39	6.354167	0	2.922836	0	
39	N40	0.86234	0	-7.089288	0	
40	N41	3.48734	0	-2.542654	0	
41	N42	5.570673	0	1.065785	0	
42	N43	6.570673	0	2.797836	0	
43	N44	0.86234	5.104167	-7.089288	0	
44	N45	3.48734	5.104167	-2.542654	0	
45	N46	5.570673	5.104167	1.065785	0	
46	N47	6.570673	5.104167	2.797836	0	
47	N48	0.86234	-1.895833	-7.089288	0	
48	N49	3.48734	-1.895833	-2.542654	0	
49	N50	5.570673	-1.895833	1.065785	0	
50	N51	6.570673	-1.895833	2.797836	0	
51	N52	-6.354167	0	2.922836	0	
52	N53	-3.729167	0	-1.623798	0	
53	N54	-1.645833	0	-5.232237	0	
54	N55	-0.645833	0	-6.964288	0	
55	N56	-6.570673	0	2.797836	0	
56	N57	-3.945673	0	-1.748798	0	
57	N58	-1.86234	0	-5.357237	0	
58	N59	-0.86234	0	-7.089288	0	



### Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
59	N60	-6.570673	5.104167	2.797836	0	
60	N61	-3.945673	5.104167	-1.748798	0	
61	N62	-1.86234	5.104167	-5.357237	0	
62	N63	-0.86234	5.104167	-7.089288	0	
63	N64	-6.570673	-1.895833	2.797836	0	
64	N65	-3.945673	-1.895833	-1.748798	0	
65	N66	-1.86234	-1.895833	-5.357237	0	
66	N67	-0.86234	-1.895833	-7.089288	0	
67	N74	0.	0	4.041452	0	
68	N75	-3.5	0	-2.020726	0	
69	N76	3.5	0	-2.020726	0	
70	N77	0.	-25	2.041452	0	
71	N78	1.767949	-25	-1.020726	0	
72	N79	-1.767949	-25	-1.020726	0	
73	N80	5.708333	3	4.041452	0	
74	N81	0.458333	3	4.041452	0	
75	N82	-3.708333	3	4.041452	0	
76	N83	-5.708333	3	4.041452	0	
77	N84	5.708333	3	4.291452	0	
78	N85	0.458333	3	4.291452	0	
79	N86	-3.708333	3	4.291452	0	
80	N87	-5.708333	3	4.291452	0	
81	N88	0.645833	3	-6.964288	0	
82	N89	3.270833	3	-2.417654	0	
83	N90	5.354167	3	1.190785	0	
84	N91	6.354167	3	2.922836	0	
85	N92	0.86234	3	-7.089288	0	
86	N93	3.48734	3	-2.542654	0	
87	N94	5.570673	3	1.065785	0	
88	N95	6.570673	3	2.797836	0	
89	N96	-6.354167	3	2.922836	0	
90	N97	-3.729167	3	-1.623798	0	
91	N98	-1.645833	3	-5.232237	0	
92	N99	-0.645833	3	-6.964288	0	
93	N100	-6.570673	3	2.797836	0	
94	N101	-3.945673	3	-1.748798	0	
95	N102	-1.86234	3	-5.357237	0	
96	N103	-0.86234	3	-7.089288	0	
97	N104	-6.5	3	4.041452	0	
98	N105	6.5	3	4.041452	0	
99	N106	6.75	3	3.608439	0	
100	N107	0.25	3	-7.649891	0	
101	N108	-0.25	3	-7.649891	0	
102	N109	-6.75	3	3.608439	0	
103	N110	-5.5	3	4.041452	0	
104	N112	-5.5	3	3.791452	0	
105	N116A	5.708333	-1	4.041452	0	
106	N117A	0.458333	-1	4.041452	0	
107	N118A	-3.708333	-1	4.041452	0	
108	N119A	-5.708333	-1	4.041452	0	
109	N120A	5.708333	-1	4.291452	0	
110	N121A	0.458333	-1	4.291452	0	
111	N122	-3.708333	-1	4.291452	0	
112	N123	-5.708333	-1	4.291452	0	
113	N124	0.645833	-1	-6.964288	0	
114	N125	3.270833	-1	-2.417654	0	
115	N126	5.354167	-1	1.190785	0	
116	N127	6.354167	-1	2.922836	0	
117	N128	0.86234	-1	-7.089288	0	

### Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
118	N129	3.48734	-1	-2.542654	0	
119	N130	5.570673	-1	1.065785	0	
120	N131	6.570673	-1	2.797836	0	
121	N132	-6.354167	-1	2.922836	0	
122	N133	-3.729167	-1	-1.623798	0	
123	N134	-1.645833	-1	-5.232237	0	
124	N135	-0.645833	-1	-6.964288	0	
125	N136	-6.570673	-1	2.797836	0	
126	N137	-3.945673	-1	-1.748798	0	
127	N138	-1.86234	-1	-5.357237	0	
128	N139	-0.86234	-1	-7.089288	0	
129	N140	-6.5	-1	4.041452	0	
130	N141	6.5	-1	4.041452	0	
131	N142	6.75	-1	3.608439	0	
132	N143	0.25	-1	-7.649891	0	
133	N144	-0.25	-1	-7.649891	0	
134	N145	-6.75	-1	3.608439	0	
135	N146	-5.5	-1	4.041452	0	
136	N148	-5.5	-1	3.791452	0	
137	N151	0.75	-1	-6.783866	0	
138	N153	0.533494	-1	-6.658866	0	
139	N154	-0.75	-1	-6.783866	0	
140	N155	-6.25	-1	2.742414	0	
141	N156	-0.533494	-1	-6.658866	0	
142	N157	-6.033494	-1	2.867414	0	
143	N158	-3.5	-1	4.041452	0	
144	N159	3.5	-1	4.041452	0	
145	N160	0.	-3	1.166452	0	
146	N161	5.25	-1	1.010363	0	
147	N162	1.75	-1	-5.051815	0	
148	N163	1.010177	-3	-0.583226	0	
149	N164	-1.75	-1	-5.051815	0	
150	N165	-5.25	-1	1.010363	0	
151	N166	-1.010177	-3	-0.583226	0	
152	N172	1.	-1	-6.350853	0	
153	N174	0.783494	-1	-6.225853	0	
154	N175	-1.	-1	-6.350853	0	
155	N177	-0.783494	-1	-6.225853	0	
156	N186	-6.25	3	2.742414	0	
157	N188	-6.033494	3	2.867414	0	
158	N159A	6.25	3	2.742414	0	
159	N160A	6.033494	3	2.867414	0	
160	N161A	6.25	-1	2.742414	0	
161	N162A	6.033494	-1	2.867414	0	
162	N163A	5.5	-1	4.041452	0	
163	N164A	5.5	-1	3.791452	0	
164	N165A	5.5	3	4.041452	0	
165	N166A	5.5	3	3.791452	0	
166	N167	-0.75	3	-6.783866	0	
167	N168	-0.533494	3	-6.658866	0	
168	N173	0.75	3	-6.783866	0	
169	N174A	0.533494	3	-6.658866	0	
170	N171	0.871021	-25	-1.657585	0	
171	N172A	0.871021	1.75	-1.657585	0	

### Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face	L3X3X4	None	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
2	Standoff	C5.25x4X0.3...	None	None	A36 Gr.36	Typical	4.688	7.568	20.707	.207
3	Grating Sup...	L3X3X4	None	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
4	Grating Corn...	LL3x3x4x0	None	None	A36 Gr.36	Typical	2.88	4.5	2.46	.063
5	Antenna Pipe	PIPE 2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
6	MOD_Anten...	PIPE 2.5	None	None	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
7	MOD_Suppo...	PIPE 2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
8	MOD_Suppo...	L3X3X4	None	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
9	MOD_V-Bra...	L2.5x2.5x4	None	None	A36 Gr.36	Typical	1.19	.692	.692	.026

### Hot Rolled Steel Properties

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

### Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N8	N9		270	Face	None	None	A36 Gr.36	Typical
2	M2	N10	N8		270	Face	None	None	A36 Gr.36	Typical
3	M3	N9	N10		270	Face	None	None	A36 Gr.36	Typical
4	M4	N2	N11		90	Standoff	None	None	A36 Gr.36	Typical
5	M5	N4	N12		90	Standoff	None	None	A36 Gr.36	Typical
6	M6	N6	N13		90	Standoff	None	None	A36 Gr.36	Typical
7	M7	N15	N16		270	Grating Support	None	None	A36 Gr.36	Typical
8	M8	N16	N18		270	Grating Support	None	None	A36 Gr.36	Typical
9	M9	N18	N15		270	Grating Support	None	None	A36 Gr.36	Typical
10	M10	N15	N9		180	Grating Corner...	None	None	A36 Gr.36	Typical
11	M11	N16	N8		180	Grating Corner...	None	None	A36 Gr.36	Typical
12	M12	N18	N10		180	Grating Corner...	None	None	A36 Gr.36	Typical
13	MP1A	N28	N32			Antenna Pipe	None	None	A53 Gr.B	Typical
14	MP2A	N29	N33			Antenna Pipe	None	None	A53 Gr.B	Typical
15	MP3A	N30	N34			Antenna Pipe	None	None	A53 Gr.B	Typical
16	MP4A	N31	N35			Antenna Pipe	None	None	A53 Gr.B	Typical
17	MP1B	N60	N64			Antenna Pipe	None	None	A53 Gr.B	Typical
18	MP2B	N61	N65			Antenna Pipe	None	None	A53 Gr.B	Typical
19	MP3B	N62	N66			Antenna Pipe	None	None	A53 Gr.B	Typical
20	MP4B	N63	N67			Antenna Pipe	None	None	A53 Gr.B	Typical
21	MP1C	N44	N48			Antenna Pipe	None	None	A53 Gr.B	Typical
22	MP2C	N45	N49			Antenna Pipe	None	None	A53 Gr.B	Typical
23	MP3C	N46	N50			Antenna Pipe	None	None	A53 Gr.B	Typical
24	MP4C	N47	N51			Antenna Pipe	None	None	A53 Gr.B	Typical
25	M25	N104	N105			MOD_Support ...	None	None	A53 Gr.B	Typical
26	M26	N108	N109			MOD_Support ...	None	None	A53 Gr.B	Typical
27	M27	N106	N107			MOD_Support ...	None	None	A53 Gr.B	Typical
28	M28	N112	N188		90	MOD_Support ...	None	None	A36 Gr.36	Typical
29	M31	N20	N24			RIGID	None	None	RIGID	Typical
30	M32	N21	N25			RIGID	None	None	RIGID	Typical
31	M33	N22	N26			RIGID	None	None	RIGID	Typical
32	M34	N23	N27			RIGID	None	None	RIGID	Typical
33	M35	N36	N40			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
34	M36	N37	N41			RIGID	None	None	RIGID	Typical
35	M37	N38	N42			RIGID	None	None	RIGID	Typical
36	M38	N39	N43			RIGID	None	None	RIGID	Typical
37	M39	N52	N56			RIGID	None	None	RIGID	Typical
38	M40	N53	N57			RIGID	None	None	RIGID	Typical
39	M41	N54	N58			RIGID	None	None	RIGID	Typical
40	M42	N55	N59			RIGID	None	None	RIGID	Typical
41	M43	N11	N74			RIGID	None	None	RIGID	Typical
42	M44	N77	N14			RIGID	None	None	RIGID	Typical
43	M45	N12	N75			RIGID	None	None	RIGID	Typical
44	M46	N79	N19			RIGID	None	None	RIGID	Typical
45	M47	N13	N76			RIGID	None	None	RIGID	Typical
46	M48	N78	N17			RIGID	None	None	RIGID	Typical
47	M49	N80	N84			RIGID	None	None	RIGID	Typical
48	M50	N81	N85			RIGID	None	None	RIGID	Typical
49	M51	N82	N86			RIGID	None	None	RIGID	Typical
50	M52	N83	N87			RIGID	None	None	RIGID	Typical
51	M53	N88	N92			RIGID	None	None	RIGID	Typical
52	M54	N89	N93			RIGID	None	None	RIGID	Typical
53	M55	N90	N94			RIGID	None	None	RIGID	Typical
54	M56	N91	N95			RIGID	None	None	RIGID	Typical
55	M57	N96	N100			RIGID	None	None	RIGID	Typical
56	M58	N97	N101			RIGID	None	None	RIGID	Typical
57	M59	N98	N102			RIGID	None	None	RIGID	Typical
58	M60	N99	N103			RIGID	None	None	RIGID	Typical
59	M61	N112	N110			RIGID	None	None	RIGID	Typical
60	M67	N140	N141			MOD_Support ...	None	None	A53 Gr.B	Typical
61	M68	N144	N145			MOD_Support ...	None	None	A53 Gr.B	Typical
62	M69	N142	N143			MOD_Support ...	None	None	A53 Gr.B	Typical
63	M73	N116A	N120A			RIGID	None	None	RIGID	Typical
64	M74	N117A	N121A			RIGID	None	None	RIGID	Typical
65	M75	N118A	N122			RIGID	None	None	RIGID	Typical
66	M76	N119A	N123			RIGID	None	None	RIGID	Typical
67	M77	N124	N128			RIGID	None	None	RIGID	Typical
68	M78	N125	N129			RIGID	None	None	RIGID	Typical
69	M79	N126	N130			RIGID	None	None	RIGID	Typical
70	M80	N127	N131			RIGID	None	None	RIGID	Typical
71	M81	N132	N136			RIGID	None	None	RIGID	Typical
72	M82	N133	N137			RIGID	None	None	RIGID	Typical
73	M83	N134	N138			RIGID	None	None	RIGID	Typical
74	M84	N135	N139			RIGID	None	None	RIGID	Typical
75	M91	N158	N160			MOD_V-Brace	None	None	A36 Gr.36	Typical
76	M92	N159	N160		270	MOD_V-Brace	None	None	A36 Gr.36	Typical
77	M93	N165	N166		270	MOD_V-Brace	None	None	A36 Gr.36	Typical
78	M94	N164	N166			MOD_V-Brace	None	None	A36 Gr.36	Typical
79	M95	N162	N163		270	MOD_V-Brace	None	None	A36 Gr.36	Typical
80	M96	N161	N163			MOD_V-Brace	None	None	A36 Gr.36	Typical
81	M88	N148	N157		90	MOD_Support ...	None	None	A36 Gr.36	Typical
82	M89	N177	N174		90	MOD_Support ...	None	None	A36 Gr.36	Typical
83	M91A	N148	N146			RIGID	None	None	RIGID	Typical
84	M94A	N174	N172			RIGID	None	None	RIGID	Typical
85	M95A	N177	N175			RIGID	None	None	RIGID	Typical
86	M100	N153	N151			RIGID	None	None	RIGID	Typical
87	M102	N188	N186			RIGID	None	None	RIGID	Typical
88	M103	N156	N154			RIGID	None	None	RIGID	Typical
89	M104	N157	N155			RIGID	None	None	RIGID	Typical
90	M90	N160A	N166A		90	MOD_Support ...	None	None	A36 Gr.36	Typical
91	M91B	N160A	N159A			RIGID	None	None	RIGID	Typical
92	M92A	N162A	N164A		90	MOD_Support ...	None	None	A36 Gr.36	Typical

### Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
93	M93A	N162A	N161A			RIGID	None	None	RIGID	Typical
94	M94B	N166A	N165A			RIGID	None	None	RIGID	Typical
95	M95B	N164A	N163A			RIGID	None	None	RIGID	Typical
96	M96A	N168	N174A		90	MOD_Support ...	None	None	A36 Gr.36	Typical
97	M97	N168	N167			RIGID	None	None	RIGID	Typical
98	M98	N156	N153		90	MOD_Support ...	None	None	A36 Gr.36	Typical
99	M100A	N174A	N173			RIGID	None	None	RIGID	Typical
100	OVP	N172A	N171			Antenna Pipe	None	None	A53 Gr.B	Typical
101	M101	N171	N3			RIGID	None	None	RIGID	Typical

### Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	** NA **			None
2	M2						Yes	** NA **			None
3	M3						Yes	** NA **			None
4	M4						Yes	** NA **			None
5	M5						Yes	** NA **			None
6	M6						Yes	** NA **			None
7	M7						Yes	** NA **			None
8	M8						Yes	** NA **			None
9	M9						Yes	** NA **			None
10	M10						Yes	** NA **			None
11	M11						Yes	** NA **			None
12	M12						Yes	** NA **			None
13	MP1A						Yes	** NA **			None
14	MP2A						Yes	** NA **			None
15	MP3A						Yes	** NA **			None
16	MP4A						Yes	** NA **			None
17	MP1B						Yes	** NA **			None
18	MP2B						Yes	** NA **			None
19	MP3B						Yes	** NA **			None
20	MP4B						Yes	** NA **			None
21	MP1C						Yes	** NA **			None
22	MP2C						Yes	** NA **			None
23	MP3C						Yes	** NA **			None
24	MP4C						Yes	** NA **			None
25	M25						Yes	** NA **			None
26	M26						Yes	** NA **			None
27	M27						Yes	** NA **			None
28	M28						Yes	** NA **			None
29	M31						Yes	** NA **			None
30	M32						Yes	** NA **			None
31	M33						Yes	** NA **			None
32	M34						Yes	** NA **			None
33	M35						Yes	** NA **			None
34	M36						Yes	** NA **			None
35	M37						Yes	** NA **			None
36	M38						Yes	** NA **			None
37	M39						Yes	** NA **			None
38	M40						Yes	** NA **			None
39	M41						Yes	** NA **			None
40	M42						Yes	** NA **			None
41	M43		OOOXOO				Yes	** NA **			None
42	M44		OOOXOO				Yes	** NA **			None
43	M45		OOOXOO				Yes	** NA **			None
44	M46		OOOXOO				Yes	** NA **			None
45	M47		OOOXOO				Yes	** NA **			None

### Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
46	M48		000X00				Yes	** NA **			None
47	M49						Yes	** NA **			None
48	M50						Yes	** NA **			None
49	M51						Yes	** NA **			None
50	M52						Yes	** NA **			None
51	M53						Yes	** NA **			None
52	M54						Yes	** NA **			None
53	M55						Yes	** NA **			None
54	M56						Yes	** NA **			None
55	M57						Yes	** NA **			None
56	M58						Yes	** NA **			None
57	M59						Yes	** NA **			None
58	M60						Yes	** NA **			None
59	M61		000000				Yes	** NA **			None
60	M67						Yes	** NA **			None
61	M68						Yes	** NA **			None
62	M69						Yes	** NA **			None
63	M73						Yes	** NA **			None
64	M74						Yes	** NA **			None
65	M75						Yes	** NA **			None
66	M76						Yes	** NA **			None
67	M77						Yes	** NA **			None
68	M78						Yes	** NA **			None
69	M79						Yes	** NA **			None
70	M80						Yes	** NA **			None
71	M81						Yes	** NA **			None
72	M82						Yes	** NA **			None
73	M83						Yes	** NA **			None
74	M84						Yes	** NA **			None
75	M91	BenPIN					Yes	** NA **			None
76	M92	BenPIN					Yes	** NA **			None
77	M93	BenPIN					Yes	** NA **			None
78	M94	BenPIN					Yes	** NA **			None
79	M95	BenPIN					Yes	** NA **			None
80	M96	BenPIN					Yes	** NA **			None
81	M88						Yes	** NA **			None
82	M89						Yes	** NA **			None
83	M91A		000000				Yes	** NA **			None
84	M94A		000000				Yes	** NA **			None
85	M95A		000000				Yes	** NA **			None
86	M100		000000				Yes	** NA **			None
87	M102		000000				Yes	** NA **			None
88	M103		000000				Yes	** NA **			None
89	M104		000000				Yes	** NA **			None
90	M90						Yes	** NA **			None
91	M91B		000000				Yes	** NA **			None
92	M92A						Yes	** NA **			None
93	M93A		000000				Yes	** NA **			None
94	M94B		000000				Yes	** NA **			None
95	M95B		000000				Yes	** NA **			None
96	M96A						Yes	** NA **			None
97	M97		000000				Yes	** NA **			None
98	M98						Yes	** NA **			None
99	M100A		000000				Yes	** NA **			None
100	OVF						Yes	** NA **			None
101	M101						Yes	** NA **			None



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	Y	-43.55	2
2	MP1A	My	-.021	2
3	MP1A	Mz	.006	2
4	MP1A	Y	-43.55	4
5	MP1A	My	-.021	4
6	MP1A	Mz	.006	4
7	MP1B	Y	-43.55	2
8	MP1B	My	.006	2
9	MP1B	Mz	-.021	2
10	MP1B	Y	-43.55	4
11	MP1B	My	.006	4
12	MP1B	Mz	-.021	4
13	MP1C	Y	-43.55	2
14	MP1C	My	.015	2
15	MP1C	Mz	.015	2
16	MP1C	Y	-43.55	4
17	MP1C	My	.015	4
18	MP1C	Mz	.015	4
19	MP3A	Y	-21.85	.5
20	MP3A	My	-.007	.5
21	MP3A	Mz	.016	.5
22	MP3A	Y	-21.85	6.5
23	MP3A	My	-.007	6.5
24	MP3A	Mz	.016	6.5
25	MP3B	Y	-21.85	.5
26	MP3B	My	.016	.5
27	MP3B	Mz	-.007	.5
28	MP3B	Y	-21.85	6.5
29	MP3B	My	.016	6.5
30	MP3B	Mz	-.007	6.5
31	MP3C	Y	-21.85	.5
32	MP3C	My	.017	.5
33	MP3C	Mz	-.002	.5
34	MP3C	Y	-21.85	6.5
35	MP3C	My	.017	6.5
36	MP3C	Mz	-.002	6.5
37	MP3A	Y	-21.85	.5
38	MP3A	My	-.014	.5
39	MP3A	Mz	-.01	.5
40	MP3A	Y	-21.85	6.5
41	MP3A	My	-.014	6.5
42	MP3A	Mz	-.01	6.5
43	MP3B	Y	-21.85	.5
44	MP3B	My	-.01	.5
45	MP3B	Mz	-.014	.5
46	MP3B	Y	-21.85	6.5
47	MP3B	My	-.01	6.5
48	MP3B	Mz	-.014	6.5
49	MP3C	Y	-21.85	.5
50	MP3C	My	-.002	.5
51	MP3C	Mz	.017	.5
52	MP3C	Y	-21.85	6.5
53	MP3C	My	-.002	6.5
54	MP3C	Mz	.017	6.5
55	MP4A	Y	-6	1
56	MP4A	My	-.003	1
57	MP4A	Mz	.000776	1
58	MP4A	Y	-6	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
59	MP4A	My	-.003	5
60	MP4A	Mz	.000776	5
61	MP4B	Y	-6	1
62	MP4B	My	.000776	1
63	MP4B	Mz	-.003	1
64	MP4B	Y	-6	5
65	MP4B	My	.000776	5
66	MP4B	Mz	-.003	5
67	MP4C	Y	-6	1
68	MP4C	My	.002	1
69	MP4C	Mz	.002	1
70	MP4C	Y	-6	5
71	MP4C	My	.002	5
72	MP4C	Mz	.002	5
73	MP3A	Y	-84.4	1
74	MP3A	My	-.041	1
75	MP3A	Mz	.011	1
76	MP3B	Y	-84.4	1
77	MP3B	My	.011	1
78	MP3B	Mz	-.041	1
79	MP3C	Y	-84.4	1
80	MP3C	My	.03	1
81	MP3C	Mz	.03	1
82	MP3A	Y	-70.3	3
83	MP3A	My	-.034	3
84	MP3A	Mz	.009	3
85	MP3B	Y	-70.3	3
86	MP3B	My	.009	3
87	MP3B	Mz	-.034	3
88	MP3C	Y	-70.3	3
89	MP3C	My	.025	3
90	MP3C	Mz	.025	3
91	OVP	Y	-32	1
92	OVP	My	.011	1
93	OVP	Mz	.011	1
94	OVP	Y	-32	1
95	OVP	My	-.011	1
96	OVP	Mz	-.011	1
97	MP4C	Y	-8.8	3.5
98	MP4C	My	-.004	3.5
99	MP4C	Mz	-.008	3.5
100	MP4C	Y	-8.8	4.5
101	MP4C	My	-.004	4.5
102	MP4C	Mz	-.008	4.5
103	MP4C	Y	-8.8	3.5
104	MP4C	My	-.008	3.5
105	MP4C	Mz	-.004	3.5
106	MP4C	Y	-8.8	4.5
107	MP4C	My	-.008	4.5
108	MP4C	Mz	-.004	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	Y	-57.88	2
2	MP1A	My	-.028	2
3	MP1A	Mz	.007	2
4	MP1A	Y	-57.88	4
5	MP1A	My	-.028	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
6	MP1A	Mz	.007	4
7	MP1B	Y	-57.88	2
8	MP1B	My	.007	2
9	MP1B	Mz	-.028	2
10	MP1B	Y	-57.88	4
11	MP1B	My	.007	4
12	MP1B	Mz	-.028	4
13	MP1C	Y	-57.88	2
14	MP1C	My	.02	2
15	MP1C	Mz	.02	2
16	MP1C	Y	-57.88	4
17	MP1C	My	.02	4
18	MP1C	Mz	.02	4
19	MP3A	Y	-98.026	.5
20	MP3A	My	-.031	.5
21	MP3A	Mz	.072	.5
22	MP3A	Y	-98.026	6.5
23	MP3A	My	-.031	6.5
24	MP3A	Mz	.072	6.5
25	MP3B	Y	-98.026	.5
26	MP3B	My	.072	.5
27	MP3B	Mz	-.031	.5
28	MP3B	Y	-98.026	6.5
29	MP3B	My	.072	6.5
30	MP3B	Mz	-.031	6.5
31	MP3C	Y	-98.026	.5
32	MP3C	My	.078	.5
33	MP3C	Mz	-.009	.5
34	MP3C	Y	-98.026	6.5
35	MP3C	My	.078	6.5
36	MP3C	Mz	-.009	6.5
37	MP3A	Y	-98.026	.5
38	MP3A	My	-.063	.5
39	MP3A	Mz	-.046	.5
40	MP3A	Y	-98.026	6.5
41	MP3A	My	-.063	6.5
42	MP3A	Mz	-.046	6.5
43	MP3B	Y	-98.026	.5
44	MP3B	My	-.046	.5
45	MP3B	Mz	-.063	.5
46	MP3B	Y	-98.026	6.5
47	MP3B	My	-.046	6.5
48	MP3B	Mz	-.063	6.5
49	MP3C	Y	-98.026	.5
50	MP3C	My	-.009	.5
51	MP3C	Mz	.078	.5
52	MP3C	Y	-98.026	6.5
53	MP3C	My	-.009	6.5
54	MP3C	Mz	.078	6.5
55	MP4A	Y	-50.652	1
56	MP4A	My	-.024	1
57	MP4A	Mz	.007	1
58	MP4A	Y	-50.652	5
59	MP4A	My	-.024	5
60	MP4A	Mz	.007	5
61	MP4B	Y	-50.652	1
62	MP4B	My	.007	1
63	MP4B	Mz	-.024	1
64	MP4B	Y	-50.652	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
65	MP4B	My	.007	5
66	MP4B	Mz	-.024	5
67	MP4C	Y	-50.652	1
68	MP4C	My	.018	1
69	MP4C	Mz	.018	1
70	MP4C	Y	-50.652	5
71	MP4C	My	.018	5
72	MP4C	Mz	.018	5
73	MP3A	Y	-73.497	1
74	MP3A	My	-.035	1
75	MP3A	Mz	.01	1
76	MP3B	Y	-73.497	1
77	MP3B	My	.01	1
78	MP3B	Mz	-.035	1
79	MP3C	Y	-73.497	1
80	MP3C	My	.026	1
81	MP3C	Mz	.026	1
82	MP3A	Y	-66.373	3
83	MP3A	My	-.032	3
84	MP3A	Mz	.009	3
85	MP3B	Y	-66.373	3
86	MP3B	My	.009	3
87	MP3B	Mz	-.032	3
88	MP3C	Y	-66.373	3
89	MP3C	My	.023	3
90	MP3C	Mz	.023	3
91	OVP	Y	-122.625	1
92	OVP	My	.043	1
93	OVP	Mz	.043	1
94	OVP	Y	-122.625	1
95	OVP	My	-.043	1
96	OVP	Mz	-.043	1
97	MP4C	Y	-14.835	3.5
98	MP4C	My	-.007	3.5
99	MP4C	Mz	-.014	3.5
100	MP4C	Y	-14.835	4.5
101	MP4C	My	-.007	4.5
102	MP4C	Mz	-.014	4.5
103	MP4C	Y	-14.835	3.5
104	MP4C	My	-.014	3.5
105	MP4C	Mz	-.007	3.5
106	MP4C	Y	-14.835	4.5
107	MP4C	My	-.014	4.5
108	MP4C	Mz	-.007	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	0	2
2	MP1A	Z	-67.041	2
3	MP1A	Mx	-.009	2
4	MP1A	X	0	4
5	MP1A	Z	-67.041	4
6	MP1A	Mx	-.009	4
7	MP1B	X	0	2
8	MP1B	Z	-27.228	2
9	MP1B	Mx	.013	2
10	MP1B	X	0	4
11	MP1B	Z	-27.228	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP1B	Mx	.013	4
13	MP1C	X	0	2
14	MP1C	Z	-47.135	2
15	MP1C	Mx	-.017	2
16	MP1C	X	0	4
17	MP1C	Z	-47.135	4
18	MP1C	Mx	-.017	4
19	MP3A	X	0	.5
20	MP3A	Z	-93.417	.5
21	MP3A	Mx	-.068	.5
22	MP3A	X	0	6.5
23	MP3A	Z	-93.417	6.5
24	MP3A	Mx	-.068	6.5
25	MP3B	X	0	.5
26	MP3B	Z	-45.393	.5
27	MP3B	Mx	.015	.5
28	MP3B	X	0	6.5
29	MP3B	Z	-45.393	6.5
30	MP3B	Mx	.015	6.5
31	MP3C	X	0	.5
32	MP3C	Z	-69.405	.5
33	MP3C	Mx	.006	.5
34	MP3C	X	0	6.5
35	MP3C	Z	-69.405	6.5
36	MP3C	Mx	.006	6.5
37	MP3A	X	0	.5
38	MP3A	Z	-93.417	.5
39	MP3A	Mx	.044	.5
40	MP3A	X	0	6.5
41	MP3A	Z	-93.417	6.5
42	MP3A	Mx	.044	6.5
43	MP3B	X	0	.5
44	MP3B	Z	-45.393	.5
45	MP3B	Mx	.029	.5
46	MP3B	X	0	6.5
47	MP3B	Z	-45.393	6.5
48	MP3B	Mx	.029	6.5
49	MP3C	X	0	.5
50	MP3C	Z	-69.405	.5
51	MP3C	Mx	-.055	.5
52	MP3C	X	0	6.5
53	MP3C	Z	-69.405	6.5
54	MP3C	Mx	-.055	6.5
55	MP4A	X	0	1
56	MP4A	Z	-62.762	1
57	MP4A	Mx	-.008	1
58	MP4A	X	0	5
59	MP4A	Z	-62.762	5
60	MP4A	Mx	-.008	5
61	MP4B	X	0	1
62	MP4B	Z	-50.877	1
63	MP4B	Mx	.025	1
64	MP4B	X	0	5
65	MP4B	Z	-50.877	5
66	MP4B	Mx	.025	5
67	MP4C	X	0	1
68	MP4C	Z	-56.819	1
69	MP4C	Mx	-.02	1
70	MP4C	X	0	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
71	MP4C	Z	-56.819	5
72	MP4C	Mx	-.02	5
73	MP3A	X	0	1
74	MP3A	Z	-54.047	1
75	MP3A	Mx	-.007	1
76	MP3B	X	0	1
77	MP3B	Z	-38.299	1
78	MP3B	Mx	.018	1
79	MP3C	X	0	1
80	MP3C	Z	-46.173	1
81	MP3C	Mx	-.016	1
82	MP3A	X	0	3
83	MP3A	Z	-53.593	3
84	MP3A	Mx	-.007	3
85	MP3B	X	0	3
86	MP3B	Z	-31.979	3
87	MP3B	Mx	.015	3
88	MP3C	X	0	3
89	MP3C	Z	-42.786	3
90	MP3C	Mx	-.015	3
91	OVP	X	0	1
92	OVP	Z	-99.478	1
93	OVP	Mx	-.035	1
94	OVP	X	0	1
95	OVP	Z	-99.478	1
96	OVP	Mx	.035	1
97	MP4C	X	0	3.5
98	MP4C	Z	-17.14	3.5
99	MP4C	Mx	.016	3.5
100	MP4C	X	0	4.5
101	MP4C	Z	-17.14	4.5
102	MP4C	Mx	.016	4.5
103	MP4C	X	0	3.5
104	MP4C	Z	-17.14	3.5
105	MP4C	Mx	.008	3.5
106	MP4C	X	0	4.5
107	MP4C	Z	-17.14	4.5
108	MP4C	Mx	.008	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	23.567	2
2	MP1A	Z	-40.82	2
3	MP1A	Mx	-.017	2
4	MP1A	X	23.567	4
5	MP1A	Z	-40.82	4
6	MP1A	Mx	-.017	4
7	MP1B	X	13.614	2
8	MP1B	Z	-23.58	2
9	MP1B	Mx	.013	2
10	MP1B	X	13.614	4
11	MP1B	Z	-23.58	4
12	MP1B	Mx	.013	4
13	MP1C	X	33.521	2
14	MP1C	Z	-58.059	2
15	MP1C	Mx	-.009	2
16	MP1C	X	33.521	4
17	MP1C	Z	-58.059	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
18	MP1C	Mx	-.009	4
19	MP3A	X	34.703	.5
20	MP3A	Z	-60.107	.5
21	MP3A	Mx	-.055	.5
22	MP3A	X	34.703	6.5
23	MP3A	Z	-60.107	6.5
24	MP3A	Mx	-.055	6.5
25	MP3B	X	22.697	.5
26	MP3B	Z	-39.312	.5
27	MP3B	Mx	.029	.5
28	MP3B	X	22.697	6.5
29	MP3B	Z	-39.312	6.5
30	MP3B	Mx	.029	6.5
31	MP3C	X	46.708	.5
32	MP3C	Z	-80.901	.5
33	MP3C	Mx	.044	.5
34	MP3C	X	46.708	6.5
35	MP3C	Z	-80.901	6.5
36	MP3C	Mx	.044	6.5
37	MP3A	X	34.703	.5
38	MP3A	Z	-60.107	.5
39	MP3A	Mx	.006	.5
40	MP3A	X	34.703	6.5
41	MP3A	Z	-60.107	6.5
42	MP3A	Mx	.006	6.5
43	MP3B	X	22.697	.5
44	MP3B	Z	-39.312	.5
45	MP3B	Mx	.015	.5
46	MP3B	X	22.697	6.5
47	MP3B	Z	-39.312	6.5
48	MP3B	Mx	.015	6.5
49	MP3C	X	46.708	.5
50	MP3C	Z	-80.901	.5
51	MP3C	Mx	-.068	.5
52	MP3C	X	46.708	6.5
53	MP3C	Z	-80.901	6.5
54	MP3C	Mx	-.068	6.5
55	MP4A	X	28.41	1
56	MP4A	Z	-49.207	1
57	MP4A	Mx	-.02	1
58	MP4A	X	28.41	5
59	MP4A	Z	-49.207	5
60	MP4A	Mx	-.02	5
61	MP4B	X	25.439	1
62	MP4B	Z	-44.061	1
63	MP4B	Mx	.025	1
64	MP4B	X	25.439	5
65	MP4B	Z	-44.061	5
66	MP4B	Mx	.025	5
67	MP4C	X	31.381	1
68	MP4C	Z	-54.353	1
69	MP4C	Mx	-.008	1
70	MP4C	X	31.381	5
71	MP4C	Z	-54.353	5
72	MP4C	Mx	-.008	5
73	MP3A	X	23.087	1
74	MP3A	Z	-39.987	1
75	MP3A	Mx	-.016	1
76	MP3B	X	19.15	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
77	MP3B	Z	-33.168	1
78	MP3B	Mx	.018	1
79	MP3C	X	27.024	1
80	MP3C	Z	-46.806	1
81	MP3C	Mx	-.007	1
82	MP3A	X	21.393	3
83	MP3A	Z	-37.054	3
84	MP3A	Mx	-.015	3
85	MP3B	X	15.989	3
86	MP3B	Z	-27.694	3
87	MP3B	Mx	.015	3
88	MP3C	X	26.797	3
89	MP3C	Z	-46.413	3
90	MP3C	Mx	-.007	3
91	OVP	X	55.606	1
92	OVP	Z	-96.312	1
93	OVP	Mx	-.014	1
94	OVP	X	55.606	1
95	OVP	Z	-96.312	1
96	OVP	Mx	.014	1
97	MP4C	X	8.559	3.5
98	MP4C	Z	-14.824	3.5
99	MP4C	Mx	.01	3.5
100	MP4C	X	8.559	4.5
101	MP4C	Z	-14.824	4.5
102	MP4C	Mx	.01	4.5
103	MP4C	X	8.559	3.5
104	MP4C	Z	-14.824	3.5
105	MP4C	Mx	-.001	3.5
106	MP4C	X	8.559	4.5
107	MP4C	Z	-14.824	4.5
108	MP4C	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	23.58	2
2	MP1A	Z	-13.614	2
3	MP1A	Mx	-.013	2
4	MP1A	X	23.58	4
5	MP1A	Z	-13.614	4
6	MP1A	Mx	-.013	4
7	MP1B	X	40.82	2
8	MP1B	Z	-23.567	2
9	MP1B	Mx	.017	2
10	MP1B	X	40.82	4
11	MP1B	Z	-23.567	4
12	MP1B	Mx	.017	4
13	MP1C	X	58.059	2
14	MP1C	Z	-33.521	2
15	MP1C	Mx	.009	2
16	MP1C	X	58.059	4
17	MP1C	Z	-33.521	4
18	MP1C	Mx	.009	4
19	MP3A	X	39.312	.5
20	MP3A	Z	-22.697	.5
21	MP3A	Mx	-.029	.5
22	MP3A	X	39.312	6.5
23	MP3A	Z	-22.697	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
24	MP3A	Mx	-.029	6.5
25	MP3B	X	60.107	.5
26	MP3B	Z	-34.703	.5
27	MP3B	Mx	.055	.5
28	MP3B	X	60.107	6.5
29	MP3B	Z	-34.703	6.5
30	MP3B	Mx	.055	6.5
31	MP3C	X	80.901	.5
32	MP3C	Z	-46.708	.5
33	MP3C	Mx	.068	.5
34	MP3C	X	80.901	6.5
35	MP3C	Z	-46.708	6.5
36	MP3C	Mx	.068	6.5
37	MP3A	X	39.312	.5
38	MP3A	Z	-22.697	.5
39	MP3A	Mx	-.015	.5
40	MP3A	X	39.312	6.5
41	MP3A	Z	-22.697	6.5
42	MP3A	Mx	-.015	6.5
43	MP3B	X	60.107	.5
44	MP3B	Z	-34.703	.5
45	MP3B	Mx	-.006	.5
46	MP3B	X	60.107	6.5
47	MP3B	Z	-34.703	6.5
48	MP3B	Mx	-.006	6.5
49	MP3C	X	80.901	.5
50	MP3C	Z	-46.708	.5
51	MP3C	Mx	-.044	.5
52	MP3C	X	80.901	6.5
53	MP3C	Z	-46.708	6.5
54	MP3C	Mx	-.044	6.5
55	MP4A	X	44.061	1
56	MP4A	Z	-25.439	1
57	MP4A	Mx	-.025	1
58	MP4A	X	44.061	5
59	MP4A	Z	-25.439	5
60	MP4A	Mx	-.025	5
61	MP4B	X	49.207	1
62	MP4B	Z	-28.41	1
63	MP4B	Mx	.02	1
64	MP4B	X	49.207	5
65	MP4B	Z	-28.41	5
66	MP4B	Mx	.02	5
67	MP4C	X	54.353	1
68	MP4C	Z	-31.381	1
69	MP4C	Mx	.008	1
70	MP4C	X	54.353	5
71	MP4C	Z	-31.381	5
72	MP4C	Mx	.008	5
73	MP3A	X	33.168	1
74	MP3A	Z	-19.15	1
75	MP3A	Mx	-.018	1
76	MP3B	X	39.987	1
77	MP3B	Z	-23.087	1
78	MP3B	Mx	.016	1
79	MP3C	X	46.806	1
80	MP3C	Z	-27.024	1
81	MP3C	Mx	.007	1
82	MP3A	X	27.694	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
83	MP3A	Z	-15.989	3
84	MP3A	Mx	-.015	3
85	MP3B	X	37.054	3
86	MP3B	Z	-21.393	3
87	MP3B	Mx	.015	3
88	MP3C	X	46.413	3
89	MP3C	Z	-26.797	3
90	MP3C	Mx	.007	3
91	OVP	X	96.312	1
92	OVP	Z	-55.606	1
93	OVP	Mx	.014	1
94	OVP	X	96.312	1
95	OVP	Z	-55.606	1
96	OVP	Mx	-.014	1
97	MP4C	X	14.824	3.5
98	MP4C	Z	-8.559	3.5
99	MP4C	Mx	.001	3.5
100	MP4C	X	14.824	4.5
101	MP4C	Z	-8.559	4.5
102	MP4C	Mx	.001	4.5
103	MP4C	X	14.824	3.5
104	MP4C	Z	-8.559	3.5
105	MP4C	Mx	-.01	3.5
106	MP4C	X	14.824	4.5
107	MP4C	Z	-8.559	4.5
108	MP4C	Mx	-.01	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1A	X	27.228	2
2	MP1A	Z	0	2
3	MP1A	Mx	-.013	2
4	MP1A	X	27.228	4
5	MP1A	Z	0	4
6	MP1A	Mx	-.013	4
7	MP1B	X	67.041	2
8	MP1B	Z	0	2
9	MP1B	Mx	.009	2
10	MP1B	X	67.041	4
11	MP1B	Z	0	4
12	MP1B	Mx	.009	4
13	MP1C	X	47.135	2
14	MP1C	Z	0	2
15	MP1C	Mx	.017	2
16	MP1C	X	47.135	4
17	MP1C	Z	0	4
18	MP1C	Mx	.017	4
19	MP3A	X	45.393	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.015	.5
22	MP3A	X	45.393	6.5
23	MP3A	Z	0	6.5
24	MP3A	Mx	-.015	6.5
25	MP3B	X	93.417	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.068	.5
28	MP3B	X	93.417	6.5
29	MP3B	Z	0	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
30	MP3B	Mx	.068	6.5
31	MP3C	X	69.405	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.055	.5
34	MP3C	X	69.405	6.5
35	MP3C	Z	0	6.5
36	MP3C	Mx	.055	6.5
37	MP3A	X	45.393	.5
38	MP3A	Z	0	.5
39	MP3A	Mx	-.029	.5
40	MP3A	X	45.393	6.5
41	MP3A	Z	0	6.5
42	MP3A	Mx	-.029	6.5
43	MP3B	X	93.417	.5
44	MP3B	Z	0	.5
45	MP3B	Mx	-.044	.5
46	MP3B	X	93.417	6.5
47	MP3B	Z	0	6.5
48	MP3B	Mx	-.044	6.5
49	MP3C	X	69.405	.5
50	MP3C	Z	0	.5
51	MP3C	Mx	-.006	.5
52	MP3C	X	69.405	6.5
53	MP3C	Z	0	6.5
54	MP3C	Mx	-.006	6.5
55	MP4A	X	50.877	1
56	MP4A	Z	0	1
57	MP4A	Mx	-.025	1
58	MP4A	X	50.877	5
59	MP4A	Z	0	5
60	MP4A	Mx	-.025	5
61	MP4B	X	62.762	1
62	MP4B	Z	0	1
63	MP4B	Mx	.008	1
64	MP4B	X	62.762	5
65	MP4B	Z	0	5
66	MP4B	Mx	.008	5
67	MP4C	X	56.819	1
68	MP4C	Z	0	1
69	MP4C	Mx	.02	1
70	MP4C	X	56.819	5
71	MP4C	Z	0	5
72	MP4C	Mx	.02	5
73	MP3A	X	38.299	1
74	MP3A	Z	0	1
75	MP3A	Mx	-.018	1
76	MP3B	X	54.047	1
77	MP3B	Z	0	1
78	MP3B	Mx	.007	1
79	MP3C	X	46.173	1
80	MP3C	Z	0	1
81	MP3C	Mx	.016	1
82	MP3A	X	31.979	3
83	MP3A	Z	0	3
84	MP3A	Mx	-.015	3
85	MP3B	X	53.593	3
86	MP3B	Z	0	3
87	MP3B	Mx	.007	3
88	MP3C	X	42.786	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
89	MP3C	Z	0	3
90	MP3C	Mx	.015	3
91	OVP	X	99.478	1
92	OVP	Z	0	1
93	OVP	Mx	.035	1
94	OVP	X	99.478	1
95	OVP	Z	0	1
96	OVP	Mx	-.035	1
97	MP4C	X	17.14	3.5
98	MP4C	Z	0	3.5
99	MP4C	Mx	-.008	3.5
100	MP4C	X	17.14	4.5
101	MP4C	Z	0	4.5
102	MP4C	Mx	-.008	4.5
103	MP4C	X	17.14	3.5
104	MP4C	Z	0	3.5
105	MP4C	Mx	-.016	3.5
106	MP4C	X	17.14	4.5
107	MP4C	Z	0	4.5
108	MP4C	Mx	-.016	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	40.82	2
2	MP1A	Z	23.567	2
3	MP1A	Mx	-.017	2
4	MP1A	X	40.82	4
5	MP1A	Z	23.567	4
6	MP1A	Mx	-.017	4
7	MP1B	X	58.059	2
8	MP1B	Z	33.521	2
9	MP1B	Mx	-.009	2
10	MP1B	X	58.059	4
11	MP1B	Z	33.521	4
12	MP1B	Mx	-.009	4
13	MP1C	X	23.58	2
14	MP1C	Z	13.614	2
15	MP1C	Mx	.013	2
16	MP1C	X	23.58	4
17	MP1C	Z	13.614	4
18	MP1C	Mx	.013	4
19	MP3A	X	60.107	.5
20	MP3A	Z	34.703	.5
21	MP3A	Mx	.006	.5
22	MP3A	X	60.107	6.5
23	MP3A	Z	34.703	6.5
24	MP3A	Mx	.006	6.5
25	MP3B	X	80.901	.5
26	MP3B	Z	46.708	.5
27	MP3B	Mx	.044	.5
28	MP3B	X	80.901	6.5
29	MP3B	Z	46.708	6.5
30	MP3B	Mx	.044	6.5
31	MP3C	X	39.312	.5
32	MP3C	Z	22.697	.5
33	MP3C	Mx	.029	.5
34	MP3C	X	39.312	6.5
35	MP3C	Z	22.697	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
36	MP3C	Mx	.029	6.5
37	MP3A	X	60.107	.5
38	MP3A	Z	34.703	.5
39	MP3A	Mx	-.055	.5
40	MP3A	X	60.107	6.5
41	MP3A	Z	34.703	6.5
42	MP3A	Mx	-.055	6.5
43	MP3B	X	80.901	.5
44	MP3B	Z	46.708	.5
45	MP3B	Mx	-.068	.5
46	MP3B	X	80.901	6.5
47	MP3B	Z	46.708	6.5
48	MP3B	Mx	-.068	6.5
49	MP3C	X	39.312	.5
50	MP3C	Z	22.697	.5
51	MP3C	Mx	.015	.5
52	MP3C	X	39.312	6.5
53	MP3C	Z	22.697	6.5
54	MP3C	Mx	.015	6.5
55	MP4A	X	49.207	1
56	MP4A	Z	28.41	1
57	MP4A	Mx	-.02	1
58	MP4A	X	49.207	5
59	MP4A	Z	28.41	5
60	MP4A	Mx	-.02	5
61	MP4B	X	54.353	1
62	MP4B	Z	31.381	1
63	MP4B	Mx	-.008	1
64	MP4B	X	54.353	5
65	MP4B	Z	31.381	5
66	MP4B	Mx	-.008	5
67	MP4C	X	44.061	1
68	MP4C	Z	25.439	1
69	MP4C	Mx	.025	1
70	MP4C	X	44.061	5
71	MP4C	Z	25.439	5
72	MP4C	Mx	.025	5
73	MP3A	X	39.987	1
74	MP3A	Z	23.087	1
75	MP3A	Mx	-.016	1
76	MP3B	X	46.806	1
77	MP3B	Z	27.024	1
78	MP3B	Mx	-.007	1
79	MP3C	X	33.168	1
80	MP3C	Z	19.15	1
81	MP3C	Mx	.018	1
82	MP3A	X	37.054	3
83	MP3A	Z	21.393	3
84	MP3A	Mx	-.015	3
85	MP3B	X	46.413	3
86	MP3B	Z	26.797	3
87	MP3B	Mx	-.007	3
88	MP3C	X	27.694	3
89	MP3C	Z	15.989	3
90	MP3C	Mx	.015	3
91	OVP	X	75.989	1
92	OVP	Z	43.872	1
93	OVP	Mx	.042	1
94	OVP	X	75.989	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
95	OVP	Z	43.872	1
96	OVP	Mx	-.042	1
97	MP4C	X	14.862	3.5
98	MP4C	Z	8.581	3.5
99	MP4C	Mx	-.015	3.5
100	MP4C	X	14.862	4.5
101	MP4C	Z	8.581	4.5
102	MP4C	Mx	-.015	4.5
103	MP4C	X	14.862	3.5
104	MP4C	Z	8.581	3.5
105	MP4C	Mx	-.018	3.5
106	MP4C	X	14.862	4.5
107	MP4C	Z	8.581	4.5
108	MP4C	Mx	-.018	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	33.521	2
2	MP1A	Z	58.059	2
3	MP1A	Mx	-.009	2
4	MP1A	X	33.521	4
5	MP1A	Z	58.059	4
6	MP1A	Mx	-.009	4
7	MP1B	X	23.567	2
8	MP1B	Z	40.82	2
9	MP1B	Mx	-.017	2
10	MP1B	X	23.567	4
11	MP1B	Z	40.82	4
12	MP1B	Mx	-.017	4
13	MP1C	X	13.614	2
14	MP1C	Z	23.58	2
15	MP1C	Mx	.013	2
16	MP1C	X	13.614	4
17	MP1C	Z	23.58	4
18	MP1C	Mx	.013	4
19	MP3A	X	46.708	.5
20	MP3A	Z	80.901	.5
21	MP3A	Mx	.044	.5
22	MP3A	X	46.708	6.5
23	MP3A	Z	80.901	6.5
24	MP3A	Mx	.044	6.5
25	MP3B	X	34.703	.5
26	MP3B	Z	60.107	.5
27	MP3B	Mx	.006	.5
28	MP3B	X	34.703	6.5
29	MP3B	Z	60.107	6.5
30	MP3B	Mx	.006	6.5
31	MP3C	X	22.697	.5
32	MP3C	Z	39.312	.5
33	MP3C	Mx	.015	.5
34	MP3C	X	22.697	6.5
35	MP3C	Z	39.312	6.5
36	MP3C	Mx	.015	6.5
37	MP3A	X	46.708	.5
38	MP3A	Z	80.901	.5
39	MP3A	Mx	-.068	.5
40	MP3A	X	46.708	6.5
41	MP3A	Z	80.901	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
42	MP3A	Mx	-.068	6.5
43	MP3B	X	34.703	.5
44	MP3B	Z	60.107	.5
45	MP3B	Mx	-.055	.5
46	MP3B	X	34.703	6.5
47	MP3B	Z	60.107	6.5
48	MP3B	Mx	-.055	6.5
49	MP3C	X	22.697	.5
50	MP3C	Z	39.312	.5
51	MP3C	Mx	.029	.5
52	MP3C	X	22.697	6.5
53	MP3C	Z	39.312	6.5
54	MP3C	Mx	.029	6.5
55	MP4A	X	31.381	1
56	MP4A	Z	54.353	1
57	MP4A	Mx	-.008	1
58	MP4A	X	31.381	5
59	MP4A	Z	54.353	5
60	MP4A	Mx	-.008	5
61	MP4B	X	28.41	1
62	MP4B	Z	49.207	1
63	MP4B	Mx	-.02	1
64	MP4B	X	28.41	5
65	MP4B	Z	49.207	5
66	MP4B	Mx	-.02	5
67	MP4C	X	25.439	1
68	MP4C	Z	44.061	1
69	MP4C	Mx	.025	1
70	MP4C	X	25.439	5
71	MP4C	Z	44.061	5
72	MP4C	Mx	.025	5
73	MP3A	X	27.024	1
74	MP3A	Z	46.806	1
75	MP3A	Mx	-.007	1
76	MP3B	X	23.087	1
77	MP3B	Z	39.987	1
78	MP3B	Mx	-.016	1
79	MP3C	X	19.15	1
80	MP3C	Z	33.168	1
81	MP3C	Mx	.018	1
82	MP3A	X	26.797	3
83	MP3A	Z	46.413	3
84	MP3A	Mx	-.007	3
85	MP3B	X	21.393	3
86	MP3B	Z	37.054	3
87	MP3B	Mx	-.015	3
88	MP3C	X	15.989	3
89	MP3C	Z	27.694	3
90	MP3C	Mx	.015	3
91	OVP	X	43.872	1
92	OVP	Z	75.989	1
93	OVP	Mx	.042	1
94	OVP	X	43.872	1
95	OVP	Z	75.989	1
96	OVP	Mx	-.042	1
97	MP4C	X	8.581	3.5
98	MP4C	Z	14.862	3.5
99	MP4C	Mx	-.018	3.5
100	MP4C	X	8.581	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
101	MP4C	Z	14.862	4.5
102	MP4C	Mx	-.018	4.5
103	MP4C	X	8.581	3.5
104	MP4C	Z	14.862	3.5
105	MP4C	Mx	-.015	3.5
106	MP4C	X	8.581	4.5
107	MP4C	Z	14.862	4.5
108	MP4C	Mx	-.015	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	0	2
2	MP1A	Z	67.041	2
3	MP1A	Mx	.009	2
4	MP1A	X	0	4
5	MP1A	Z	67.041	4
6	MP1A	Mx	.009	4
7	MP1B	X	0	2
8	MP1B	Z	27.228	2
9	MP1B	Mx	-.013	2
10	MP1B	X	0	4
11	MP1B	Z	27.228	4
12	MP1B	Mx	-.013	4
13	MP1C	X	0	2
14	MP1C	Z	47.135	2
15	MP1C	Mx	.017	2
16	MP1C	X	0	4
17	MP1C	Z	47.135	4
18	MP1C	Mx	.017	4
19	MP3A	X	0	.5
20	MP3A	Z	93.417	.5
21	MP3A	Mx	.068	.5
22	MP3A	X	0	6.5
23	MP3A	Z	93.417	6.5
24	MP3A	Mx	.068	6.5
25	MP3B	X	0	.5
26	MP3B	Z	45.393	.5
27	MP3B	Mx	-.015	.5
28	MP3B	X	0	6.5
29	MP3B	Z	45.393	6.5
30	MP3B	Mx	-.015	6.5
31	MP3C	X	0	.5
32	MP3C	Z	69.405	.5
33	MP3C	Mx	-.006	.5
34	MP3C	X	0	6.5
35	MP3C	Z	69.405	6.5
36	MP3C	Mx	-.006	6.5
37	MP3A	X	0	.5
38	MP3A	Z	93.417	.5
39	MP3A	Mx	-.044	.5
40	MP3A	X	0	6.5
41	MP3A	Z	93.417	6.5
42	MP3A	Mx	-.044	6.5
43	MP3B	X	0	.5
44	MP3B	Z	45.393	.5
45	MP3B	Mx	-.029	.5
46	MP3B	X	0	6.5
47	MP3B	Z	45.393	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
48	MP3B	Mx	-.029	6.5
49	MP3C	X	0	.5
50	MP3C	Z	69.405	.5
51	MP3C	Mx	.055	.5
52	MP3C	X	0	6.5
53	MP3C	Z	69.405	6.5
54	MP3C	Mx	.055	6.5
55	MP4A	X	0	1
56	MP4A	Z	62.762	1
57	MP4A	Mx	.008	1
58	MP4A	X	0	5
59	MP4A	Z	62.762	5
60	MP4A	Mx	.008	5
61	MP4B	X	0	1
62	MP4B	Z	50.877	1
63	MP4B	Mx	-.025	1
64	MP4B	X	0	5
65	MP4B	Z	50.877	5
66	MP4B	Mx	-.025	5
67	MP4C	X	0	1
68	MP4C	Z	56.819	1
69	MP4C	Mx	.02	1
70	MP4C	X	0	5
71	MP4C	Z	56.819	5
72	MP4C	Mx	.02	5
73	MP3A	X	0	1
74	MP3A	Z	54.047	1
75	MP3A	Mx	.007	1
76	MP3B	X	0	1
77	MP3B	Z	38.299	1
78	MP3B	Mx	-.018	1
79	MP3C	X	0	1
80	MP3C	Z	46.173	1
81	MP3C	Mx	.016	1
82	MP3A	X	0	3
83	MP3A	Z	53.593	3
84	MP3A	Mx	.007	3
85	MP3B	X	0	3
86	MP3B	Z	31.979	3
87	MP3B	Mx	-.015	3
88	MP3C	X	0	3
89	MP3C	Z	42.786	3
90	MP3C	Mx	.015	3
91	OVP	X	0	1
92	OVP	Z	99.478	1
93	OVP	Mx	.035	1
94	OVP	X	0	1
95	OVP	Z	99.478	1
96	OVP	Mx	-.035	1
97	MP4C	X	0	3.5
98	MP4C	Z	17.14	3.5
99	MP4C	Mx	-.016	3.5
100	MP4C	X	0	4.5
101	MP4C	Z	17.14	4.5
102	MP4C	Mx	-.016	4.5
103	MP4C	X	0	3.5
104	MP4C	Z	17.14	3.5
105	MP4C	Mx	-.008	3.5
106	MP4C	X	0	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
107	MP4C	Z	17.14	4.5
108	MP4C	Mx	-.008	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1A	X	-23.567	2
2	MP1A	Z	40.82	2
3	MP1A	Mx	.017	2
4	MP1A	X	-23.567	4
5	MP1A	Z	40.82	4
6	MP1A	Mx	.017	4
7	MP1B	X	-13.614	2
8	MP1B	Z	23.58	2
9	MP1B	Mx	-.013	2
10	MP1B	X	-13.614	4
11	MP1B	Z	23.58	4
12	MP1B	Mx	-.013	4
13	MP1C	X	-33.521	2
14	MP1C	Z	58.059	2
15	MP1C	Mx	.009	2
16	MP1C	X	-33.521	4
17	MP1C	Z	58.059	4
18	MP1C	Mx	.009	4
19	MP3A	X	-34.703	.5
20	MP3A	Z	60.107	.5
21	MP3A	Mx	.055	.5
22	MP3A	X	-34.703	6.5
23	MP3A	Z	60.107	6.5
24	MP3A	Mx	.055	6.5
25	MP3B	X	-22.697	.5
26	MP3B	Z	39.312	.5
27	MP3B	Mx	-.029	.5
28	MP3B	X	-22.697	6.5
29	MP3B	Z	39.312	6.5
30	MP3B	Mx	-.029	6.5
31	MP3C	X	-46.708	.5
32	MP3C	Z	80.901	.5
33	MP3C	Mx	-.044	.5
34	MP3C	X	-46.708	6.5
35	MP3C	Z	80.901	6.5
36	MP3C	Mx	-.044	6.5
37	MP3A	X	-34.703	.5
38	MP3A	Z	60.107	.5
39	MP3A	Mx	-.006	.5
40	MP3A	X	-34.703	6.5
41	MP3A	Z	60.107	6.5
42	MP3A	Mx	-.006	6.5
43	MP3B	X	-22.697	.5
44	MP3B	Z	39.312	.5
45	MP3B	Mx	-.015	.5
46	MP3B	X	-22.697	6.5
47	MP3B	Z	39.312	6.5
48	MP3B	Mx	-.015	6.5
49	MP3C	X	-46.708	.5
50	MP3C	Z	80.901	.5
51	MP3C	Mx	.068	.5
52	MP3C	X	-46.708	6.5
53	MP3C	Z	80.901	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
54	MP3C	Mx	.068	6.5
55	MP4A	X	-28.41	1
56	MP4A	Z	49.207	1
57	MP4A	Mx	.02	1
58	MP4A	X	-28.41	5
59	MP4A	Z	49.207	5
60	MP4A	Mx	.02	5
61	MP4B	X	-25.439	1
62	MP4B	Z	44.061	1
63	MP4B	Mx	-.025	1
64	MP4B	X	-25.439	5
65	MP4B	Z	44.061	5
66	MP4B	Mx	-.025	5
67	MP4C	X	-31.381	1
68	MP4C	Z	54.353	1
69	MP4C	Mx	.008	1
70	MP4C	X	-31.381	5
71	MP4C	Z	54.353	5
72	MP4C	Mx	.008	5
73	MP3A	X	-23.087	1
74	MP3A	Z	39.987	1
75	MP3A	Mx	.016	1
76	MP3B	X	-19.15	1
77	MP3B	Z	33.168	1
78	MP3B	Mx	-.018	1
79	MP3C	X	-27.024	1
80	MP3C	Z	46.806	1
81	MP3C	Mx	.007	1
82	MP3A	X	-21.393	3
83	MP3A	Z	37.054	3
84	MP3A	Mx	.015	3
85	MP3B	X	-15.989	3
86	MP3B	Z	27.694	3
87	MP3B	Mx	-.015	3
88	MP3C	X	-26.797	3
89	MP3C	Z	46.413	3
90	MP3C	Mx	.007	3
91	OVP	X	-55.606	1
92	OVP	Z	96.312	1
93	OVP	Mx	.014	1
94	OVP	X	-55.606	1
95	OVP	Z	96.312	1
96	OVP	Mx	-.014	1
97	MP4C	X	-8.559	3.5
98	MP4C	Z	14.824	3.5
99	MP4C	Mx	-.01	3.5
100	MP4C	X	-8.559	4.5
101	MP4C	Z	14.824	4.5
102	MP4C	Mx	-.01	4.5
103	MP4C	X	-8.559	3.5
104	MP4C	Z	14.824	3.5
105	MP4C	Mx	.001	3.5
106	MP4C	X	-8.559	4.5
107	MP4C	Z	14.824	4.5
108	MP4C	Mx	.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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### Member Point Loads (BLC 11 : Antenna Wo (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-23.58	2
2	MP1A	Z	13.614	2
3	MP1A	Mx	.013	2
4	MP1A	X	-23.58	4
5	MP1A	Z	13.614	4
6	MP1A	Mx	.013	4
7	MP1B	X	-40.82	2
8	MP1B	Z	23.567	2
9	MP1B	Mx	-.017	2
10	MP1B	X	-40.82	4
11	MP1B	Z	23.567	4
12	MP1B	Mx	-.017	4
13	MP1C	X	-58.059	2
14	MP1C	Z	33.521	2
15	MP1C	Mx	-.009	2
16	MP1C	X	-58.059	4
17	MP1C	Z	33.521	4
18	MP1C	Mx	-.009	4
19	MP3A	X	-39.312	.5
20	MP3A	Z	22.697	.5
21	MP3A	Mx	.029	.5
22	MP3A	X	-39.312	6.5
23	MP3A	Z	22.697	6.5
24	MP3A	Mx	.029	6.5
25	MP3B	X	-60.107	.5
26	MP3B	Z	34.703	.5
27	MP3B	Mx	-.055	.5
28	MP3B	X	-60.107	6.5
29	MP3B	Z	34.703	6.5
30	MP3B	Mx	-.055	6.5
31	MP3C	X	-80.901	.5
32	MP3C	Z	46.708	.5
33	MP3C	Mx	-.068	.5
34	MP3C	X	-80.901	6.5
35	MP3C	Z	46.708	6.5
36	MP3C	Mx	-.068	6.5
37	MP3A	X	-39.312	.5
38	MP3A	Z	22.697	.5
39	MP3A	Mx	.015	.5
40	MP3A	X	-39.312	6.5
41	MP3A	Z	22.697	6.5
42	MP3A	Mx	.015	6.5
43	MP3B	X	-60.107	.5
44	MP3B	Z	34.703	.5
45	MP3B	Mx	.006	.5
46	MP3B	X	-60.107	6.5
47	MP3B	Z	34.703	6.5
48	MP3B	Mx	.006	6.5
49	MP3C	X	-80.901	.5
50	MP3C	Z	46.708	.5
51	MP3C	Mx	.044	.5
52	MP3C	X	-80.901	6.5
53	MP3C	Z	46.708	6.5
54	MP3C	Mx	.044	6.5
55	MP4A	X	-44.061	1
56	MP4A	Z	25.439	1
57	MP4A	Mx	.025	1
58	MP4A	X	-44.061	5
59	MP4A	Z	25.439	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
60	MP4A	Mx	.025	5
61	MP4B	X	-49.207	1
62	MP4B	Z	28.41	1
63	MP4B	Mx	-.02	1
64	MP4B	X	-49.207	5
65	MP4B	Z	28.41	5
66	MP4B	Mx	-.02	5
67	MP4C	X	-54.353	1
68	MP4C	Z	31.381	1
69	MP4C	Mx	-.008	1
70	MP4C	X	-54.353	5
71	MP4C	Z	31.381	5
72	MP4C	Mx	-.008	5
73	MP3A	X	-33.168	1
74	MP3A	Z	19.15	1
75	MP3A	Mx	.018	1
76	MP3B	X	-39.987	1
77	MP3B	Z	23.087	1
78	MP3B	Mx	-.016	1
79	MP3C	X	-46.806	1
80	MP3C	Z	27.024	1
81	MP3C	Mx	-.007	1
82	MP3A	X	-27.694	3
83	MP3A	Z	15.989	3
84	MP3A	Mx	.015	3
85	MP3B	X	-37.054	3
86	MP3B	Z	21.393	3
87	MP3B	Mx	-.015	3
88	MP3C	X	-46.413	3
89	MP3C	Z	26.797	3
90	MP3C	Mx	-.007	3
91	OVP	X	-96.312	1
92	OVP	Z	55.606	1
93	OVP	Mx	-.014	1
94	OVP	X	-96.312	1
95	OVP	Z	55.606	1
96	OVP	Mx	.014	1
97	MP4C	X	-14.824	3.5
98	MP4C	Z	8.559	3.5
99	MP4C	Mx	-.001	3.5
100	MP4C	X	-14.824	4.5
101	MP4C	Z	8.559	4.5
102	MP4C	Mx	-.001	4.5
103	MP4C	X	-14.824	3.5
104	MP4C	Z	8.559	3.5
105	MP4C	Mx	.01	3.5
106	MP4C	X	-14.824	4.5
107	MP4C	Z	8.559	4.5
108	MP4C	Mx	.01	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-27.228	2
2	MP1A	Z	0	2
3	MP1A	Mx	.013	2
4	MP1A	X	-27.228	4
5	MP1A	Z	0	4
6	MP1A	Mx	.013	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
7	MP1B	X	-67.041	2
8	MP1B	Z	0	2
9	MP1B	Mx	-.009	2
10	MP1B	X	-67.041	4
11	MP1B	Z	0	4
12	MP1B	Mx	-.009	4
13	MP1C	X	-47.135	2
14	MP1C	Z	0	2
15	MP1C	Mx	-.017	2
16	MP1C	X	-47.135	4
17	MP1C	Z	0	4
18	MP1C	Mx	-.017	4
19	MP3A	X	-45.393	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.015	.5
22	MP3A	X	-45.393	6.5
23	MP3A	Z	0	6.5
24	MP3A	Mx	.015	6.5
25	MP3B	X	-93.417	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.068	.5
28	MP3B	X	-93.417	6.5
29	MP3B	Z	0	6.5
30	MP3B	Mx	-.068	6.5
31	MP3C	X	-69.405	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.055	.5
34	MP3C	X	-69.405	6.5
35	MP3C	Z	0	6.5
36	MP3C	Mx	-.055	6.5
37	MP3A	X	-45.393	.5
38	MP3A	Z	0	.5
39	MP3A	Mx	.029	.5
40	MP3A	X	-45.393	6.5
41	MP3A	Z	0	6.5
42	MP3A	Mx	.029	6.5
43	MP3B	X	-93.417	.5
44	MP3B	Z	0	.5
45	MP3B	Mx	.044	.5
46	MP3B	X	-93.417	6.5
47	MP3B	Z	0	6.5
48	MP3B	Mx	.044	6.5
49	MP3C	X	-69.405	.5
50	MP3C	Z	0	.5
51	MP3C	Mx	.006	.5
52	MP3C	X	-69.405	6.5
53	MP3C	Z	0	6.5
54	MP3C	Mx	.006	6.5
55	MP4A	X	-50.877	1
56	MP4A	Z	0	1
57	MP4A	Mx	.025	1
58	MP4A	X	-50.877	5
59	MP4A	Z	0	5
60	MP4A	Mx	.025	5
61	MP4B	X	-62.762	1
62	MP4B	Z	0	1
63	MP4B	Mx	-.008	1
64	MP4B	X	-62.762	5
65	MP4B	Z	0	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
66	MP4B	Mx	-.008	5
67	MP4C	X	-56.819	1
68	MP4C	Z	0	1
69	MP4C	Mx	-.02	1
70	MP4C	X	-56.819	5
71	MP4C	Z	0	5
72	MP4C	Mx	-.02	5
73	MP3A	X	-38.299	1
74	MP3A	Z	0	1
75	MP3A	Mx	.018	1
76	MP3B	X	-54.047	1
77	MP3B	Z	0	1
78	MP3B	Mx	-.007	1
79	MP3C	X	-46.173	1
80	MP3C	Z	0	1
81	MP3C	Mx	-.016	1
82	MP3A	X	-31.979	3
83	MP3A	Z	0	3
84	MP3A	Mx	.015	3
85	MP3B	X	-53.593	3
86	MP3B	Z	0	3
87	MP3B	Mx	-.007	3
88	MP3C	X	-42.786	3
89	MP3C	Z	0	3
90	MP3C	Mx	-.015	3
91	OVP	X	-99.478	1
92	OVP	Z	0	1
93	OVP	Mx	-.035	1
94	OVP	X	-99.478	1
95	OVP	Z	0	1
96	OVP	Mx	.035	1
97	MP4C	X	-17.14	3.5
98	MP4C	Z	0	3.5
99	MP4C	Mx	.008	3.5
100	MP4C	X	-17.14	4.5
101	MP4C	Z	0	4.5
102	MP4C	Mx	.008	4.5
103	MP4C	X	-17.14	3.5
104	MP4C	Z	0	3.5
105	MP4C	Mx	.016	3.5
106	MP4C	X	-17.14	4.5
107	MP4C	Z	0	4.5
108	MP4C	Mx	.016	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-40.82	2
2	MP1A	Z	-23.567	2
3	MP1A	Mx	.017	2
4	MP1A	X	-40.82	4
5	MP1A	Z	-23.567	4
6	MP1A	Mx	.017	4
7	MP1B	X	-58.059	2
8	MP1B	Z	-33.521	2
9	MP1B	Mx	.009	2
10	MP1B	X	-58.059	4
11	MP1B	Z	-33.521	4
12	MP1B	Mx	.009	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
13	MP1C	X	-23.58	2
14	MP1C	Z	-13.614	2
15	MP1C	Mx	-.013	2
16	MP1C	X	-23.58	4
17	MP1C	Z	-13.614	4
18	MP1C	Mx	-.013	4
19	MP3A	X	-60.107	.5
20	MP3A	Z	-34.703	.5
21	MP3A	Mx	-.006	.5
22	MP3A	X	-60.107	6.5
23	MP3A	Z	-34.703	6.5
24	MP3A	Mx	-.006	6.5
25	MP3B	X	-80.901	.5
26	MP3B	Z	-46.708	.5
27	MP3B	Mx	-.044	.5
28	MP3B	X	-80.901	6.5
29	MP3B	Z	-46.708	6.5
30	MP3B	Mx	-.044	6.5
31	MP3C	X	-39.312	.5
32	MP3C	Z	-22.697	.5
33	MP3C	Mx	-.029	.5
34	MP3C	X	-39.312	6.5
35	MP3C	Z	-22.697	6.5
36	MP3C	Mx	-.029	6.5
37	MP3A	X	-60.107	.5
38	MP3A	Z	-34.703	.5
39	MP3A	Mx	.055	.5
40	MP3A	X	-60.107	6.5
41	MP3A	Z	-34.703	6.5
42	MP3A	Mx	.055	6.5
43	MP3B	X	-80.901	.5
44	MP3B	Z	-46.708	.5
45	MP3B	Mx	.068	.5
46	MP3B	X	-80.901	6.5
47	MP3B	Z	-46.708	6.5
48	MP3B	Mx	.068	6.5
49	MP3C	X	-39.312	.5
50	MP3C	Z	-22.697	.5
51	MP3C	Mx	-.015	.5
52	MP3C	X	-39.312	6.5
53	MP3C	Z	-22.697	6.5
54	MP3C	Mx	-.015	6.5
55	MP4A	X	-49.207	1
56	MP4A	Z	-28.41	1
57	MP4A	Mx	.02	1
58	MP4A	X	-49.207	5
59	MP4A	Z	-28.41	5
60	MP4A	Mx	.02	5
61	MP4B	X	-54.353	1
62	MP4B	Z	-31.381	1
63	MP4B	Mx	.008	1
64	MP4B	X	-54.353	5
65	MP4B	Z	-31.381	5
66	MP4B	Mx	.008	5
67	MP4C	X	-44.061	1
68	MP4C	Z	-25.439	1
69	MP4C	Mx	-.025	1
70	MP4C	X	-44.061	5
71	MP4C	Z	-25.439	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
72	MP4C	Mx	-.025	5
73	MP3A	X	-39.987	1
74	MP3A	Z	-23.087	1
75	MP3A	Mx	.016	1
76	MP3B	X	-46.806	1
77	MP3B	Z	-27.024	1
78	MP3B	Mx	.007	1
79	MP3C	X	-33.168	1
80	MP3C	Z	-19.15	1
81	MP3C	Mx	-.018	1
82	MP3A	X	-37.054	3
83	MP3A	Z	-21.393	3
84	MP3A	Mx	.015	3
85	MP3B	X	-46.413	3
86	MP3B	Z	-26.797	3
87	MP3B	Mx	.007	3
88	MP3C	X	-27.694	3
89	MP3C	Z	-15.989	3
90	MP3C	Mx	-.015	3
91	OVP	X	-75.989	1
92	OVP	Z	-43.872	1
93	OVP	Mx	-.042	1
94	OVP	X	-75.989	1
95	OVP	Z	-43.872	1
96	OVP	Mx	.042	1
97	MP4C	X	-14.862	3.5
98	MP4C	Z	-8.581	3.5
99	MP4C	Mx	.015	3.5
100	MP4C	X	-14.862	4.5
101	MP4C	Z	-8.581	4.5
102	MP4C	Mx	.015	4.5
103	MP4C	X	-14.862	3.5
104	MP4C	Z	-8.581	3.5
105	MP4C	Mx	.018	3.5
106	MP4C	X	-14.862	4.5
107	MP4C	Z	-8.581	4.5
108	MP4C	Mx	.018	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-33.521	2
2	MP1A	Z	-58.059	2
3	MP1A	Mx	.009	2
4	MP1A	X	-33.521	4
5	MP1A	Z	-58.059	4
6	MP1A	Mx	.009	4
7	MP1B	X	-23.567	2
8	MP1B	Z	-40.82	2
9	MP1B	Mx	.017	2
10	MP1B	X	-23.567	4
11	MP1B	Z	-40.82	4
12	MP1B	Mx	.017	4
13	MP1C	X	-13.614	2
14	MP1C	Z	-23.58	2
15	MP1C	Mx	-.013	2
16	MP1C	X	-13.614	4
17	MP1C	Z	-23.58	4
18	MP1C	Mx	-.013	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
19	MP3A	X	-46.708	.5
20	MP3A	Z	-80.901	.5
21	MP3A	Mx	-.044	.5
22	MP3A	X	-46.708	6.5
23	MP3A	Z	-80.901	6.5
24	MP3A	Mx	-.044	6.5
25	MP3B	X	-34.703	.5
26	MP3B	Z	-60.107	.5
27	MP3B	Mx	-.006	.5
28	MP3B	X	-34.703	6.5
29	MP3B	Z	-60.107	6.5
30	MP3B	Mx	-.006	6.5
31	MP3C	X	-22.697	.5
32	MP3C	Z	-39.312	.5
33	MP3C	Mx	-.015	.5
34	MP3C	X	-22.697	6.5
35	MP3C	Z	-39.312	6.5
36	MP3C	Mx	-.015	6.5
37	MP3A	X	-46.708	.5
38	MP3A	Z	-80.901	.5
39	MP3A	Mx	.068	.5
40	MP3A	X	-46.708	6.5
41	MP3A	Z	-80.901	6.5
42	MP3A	Mx	.068	6.5
43	MP3B	X	-34.703	.5
44	MP3B	Z	-60.107	.5
45	MP3B	Mx	.055	.5
46	MP3B	X	-34.703	6.5
47	MP3B	Z	-60.107	6.5
48	MP3B	Mx	.055	6.5
49	MP3C	X	-22.697	.5
50	MP3C	Z	-39.312	.5
51	MP3C	Mx	-.029	.5
52	MP3C	X	-22.697	6.5
53	MP3C	Z	-39.312	6.5
54	MP3C	Mx	-.029	6.5
55	MP4A	X	-31.381	1
56	MP4A	Z	-54.353	1
57	MP4A	Mx	.008	1
58	MP4A	X	-31.381	5
59	MP4A	Z	-54.353	5
60	MP4A	Mx	.008	5
61	MP4B	X	-28.41	1
62	MP4B	Z	-49.207	1
63	MP4B	Mx	.02	1
64	MP4B	X	-28.41	5
65	MP4B	Z	-49.207	5
66	MP4B	Mx	.02	5
67	MP4C	X	-25.439	1
68	MP4C	Z	-44.061	1
69	MP4C	Mx	-.025	1
70	MP4C	X	-25.439	5
71	MP4C	Z	-44.061	5
72	MP4C	Mx	-.025	5
73	MP3A	X	-27.024	1
74	MP3A	Z	-46.806	1
75	MP3A	Mx	.007	1
76	MP3B	X	-23.087	1
77	MP3B	Z	-39.987	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
78	MP3B	Mx	.016	1
79	MP3C	X	-19.15	1
80	MP3C	Z	-33.168	1
81	MP3C	Mx	-.018	1
82	MP3A	X	-26.797	3
83	MP3A	Z	-46.413	3
84	MP3A	Mx	.007	3
85	MP3B	X	-21.393	3
86	MP3B	Z	-37.054	3
87	MP3B	Mx	.015	3
88	MP3C	X	-15.989	3
89	MP3C	Z	-27.694	3
90	MP3C	Mx	-.015	3
91	OVP	X	-43.872	1
92	OVP	Z	-75.989	1
93	OVP	Mx	-.042	1
94	OVP	X	-43.872	1
95	OVP	Z	-75.989	1
96	OVP	Mx	.042	1
97	MP4C	X	-8.581	3.5
98	MP4C	Z	-14.862	3.5
99	MP4C	Mx	.018	3.5
100	MP4C	X	-8.581	4.5
101	MP4C	Z	-14.862	4.5
102	MP4C	Mx	.018	4.5
103	MP4C	X	-8.581	3.5
104	MP4C	Z	-14.862	3.5
105	MP4C	Mx	.015	3.5
106	MP4C	X	-8.581	4.5
107	MP4C	Z	-14.862	4.5
108	MP4C	Mx	.015	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	0	2
2	MP1A	Z	-16.893	2
3	MP1A	Mx	-.002	2
4	MP1A	X	0	4
5	MP1A	Z	-16.893	4
6	MP1A	Mx	-.002	4
7	MP1B	X	0	2
8	MP1B	Z	-8.464	2
9	MP1B	Mx	.004	2
10	MP1B	X	0	4
11	MP1B	Z	-8.464	4
12	MP1B	Mx	.004	4
13	MP1C	X	0	2
14	MP1C	Z	-12.679	2
15	MP1C	Mx	-.004	2
16	MP1C	X	0	4
17	MP1C	Z	-12.679	4
18	MP1C	Mx	-.004	4
19	MP3A	X	0	.5
20	MP3A	Z	-28.581	.5
21	MP3A	Mx	-.021	.5
22	MP3A	X	0	6.5
23	MP3A	Z	-28.581	6.5
24	MP3A	Mx	-.021	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
25	MP3B	X	0	.5
26	MP3B	Z	-21.104	.5
27	MP3B	Mx	.007	.5
28	MP3B	X	0	6.5
29	MP3B	Z	-21.104	6.5
30	MP3B	Mx	.007	6.5
31	MP3C	X	0	.5
32	MP3C	Z	-24.842	.5
33	MP3C	Mx	.002	.5
34	MP3C	X	0	6.5
35	MP3C	Z	-24.842	6.5
36	MP3C	Mx	.002	6.5
37	MP3A	X	0	.5
38	MP3A	Z	-28.581	.5
39	MP3A	Mx	.014	.5
40	MP3A	X	0	6.5
41	MP3A	Z	-28.581	6.5
42	MP3A	Mx	.014	6.5
43	MP3B	X	0	.5
44	MP3B	Z	-21.104	.5
45	MP3B	Mx	.014	.5
46	MP3B	X	0	6.5
47	MP3B	Z	-21.104	6.5
48	MP3B	Mx	.014	6.5
49	MP3C	X	0	.5
50	MP3C	Z	-24.842	.5
51	MP3C	Mx	-.02	.5
52	MP3C	X	0	6.5
53	MP3C	Z	-24.842	6.5
54	MP3C	Mx	-.02	6.5
55	MP4A	X	0	1
56	MP4A	Z	-13.708	1
57	MP4A	Mx	-.002	1
58	MP4A	X	0	5
59	MP4A	Z	-13.708	5
60	MP4A	Mx	-.002	5
61	MP4B	X	0	1
62	MP4B	Z	-11.522	1
63	MP4B	Mx	.006	1
64	MP4B	X	0	5
65	MP4B	Z	-11.522	5
66	MP4B	Mx	.006	5
67	MP4C	X	0	1
68	MP4C	Z	-12.615	1
69	MP4C	Mx	-.004	1
70	MP4C	X	0	5
71	MP4C	Z	-12.615	5
72	MP4C	Mx	-.004	5
73	MP3A	X	0	1
74	MP3A	Z	-14.874	1
75	MP3A	Mx	-.002	1
76	MP3B	X	0	1
77	MP3B	Z	-11.063	1
78	MP3B	Mx	.005	1
79	MP3C	X	0	1
80	MP3C	Z	-12.968	1
81	MP3C	Mx	-.005	1
82	MP3A	X	0	3
83	MP3A	Z	-14.762	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
84	MP3A	Mx	-.002	3
85	MP3B	X	0	3
86	MP3B	Z	-9.503	3
87	MP3B	Mx	.005	3
88	MP3C	X	0	3
89	MP3C	Z	-12.132	3
90	MP3C	Mx	-.004	3
91	OVP	X	0	1
92	OVP	Z	-24.206	1
93	OVP	Mx	-.009	1
94	OVP	X	0	1
95	OVP	Z	-24.206	1
96	OVP	Mx	.009	1
97	MP4C	X	0	3.5
98	MP4C	Z	-3.052	3.5
99	MP4C	Mx	.003	3.5
100	MP4C	X	0	4.5
101	MP4C	Z	-3.052	4.5
102	MP4C	Mx	.003	4.5
103	MP4C	X	0	3.5
104	MP4C	Z	-3.052	3.5
105	MP4C	Mx	.001	3.5
106	MP4C	X	0	4.5
107	MP4C	Z	-3.052	4.5
108	MP4C	Mx	.001	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	6.339	2
2	MP1A	Z	-10.98	2
3	MP1A	Mx	-.004	2
4	MP1A	X	6.339	4
5	MP1A	Z	-10.98	4
6	MP1A	Mx	-.004	4
7	MP1B	X	4.232	2
8	MP1B	Z	-7.33	2
9	MP1B	Mx	.004	2
10	MP1B	X	4.232	4
11	MP1B	Z	-7.33	4
12	MP1B	Mx	.004	4
13	MP1C	X	8.447	2
14	MP1C	Z	-14.63	2
15	MP1C	Mx	-.002	2
16	MP1C	X	8.447	4
17	MP1C	Z	-14.63	4
18	MP1C	Mx	-.002	4
19	MP3A	X	12.421	.5
20	MP3A	Z	-21.514	.5
21	MP3A	Mx	-.02	.5
22	MP3A	X	12.421	6.5
23	MP3A	Z	-21.514	6.5
24	MP3A	Mx	-.02	6.5
25	MP3B	X	10.552	.5
26	MP3B	Z	-18.277	.5
27	MP3B	Mx	.014	.5
28	MP3B	X	10.552	6.5
29	MP3B	Z	-18.277	6.5
30	MP3B	Mx	.014	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
31	MP3C	X	14.29	.5
32	MP3C	Z	-24.752	.5
33	MP3C	Mx	.014	.5
34	MP3C	X	14.29	6.5
35	MP3C	Z	-24.752	6.5
36	MP3C	Mx	.014	6.5
37	MP3A	X	12.421	.5
38	MP3A	Z	-21.514	.5
39	MP3A	Mx	.002	.5
40	MP3A	X	12.421	6.5
41	MP3A	Z	-21.514	6.5
42	MP3A	Mx	.002	6.5
43	MP3B	X	10.552	.5
44	MP3B	Z	-18.277	.5
45	MP3B	Mx	.007	.5
46	MP3B	X	10.552	6.5
47	MP3B	Z	-18.277	6.5
48	MP3B	Mx	.007	6.5
49	MP3C	X	14.29	.5
50	MP3C	Z	-24.752	.5
51	MP3C	Mx	-.021	.5
52	MP3C	X	14.29	6.5
53	MP3C	Z	-24.752	6.5
54	MP3C	Mx	-.021	6.5
55	MP4A	X	6.308	1
56	MP4A	Z	-10.925	1
57	MP4A	Mx	-.004	1
58	MP4A	X	6.308	5
59	MP4A	Z	-10.925	5
60	MP4A	Mx	-.004	5
61	MP4B	X	5.761	1
62	MP4B	Z	-9.978	1
63	MP4B	Mx	.006	1
64	MP4B	X	5.761	5
65	MP4B	Z	-9.978	5
66	MP4B	Mx	.006	5
67	MP4C	X	6.854	1
68	MP4C	Z	-11.872	1
69	MP4C	Mx	-.002	1
70	MP4C	X	6.854	5
71	MP4C	Z	-11.872	5
72	MP4C	Mx	-.002	5
73	MP3A	X	6.484	1
74	MP3A	Z	-11.231	1
75	MP3A	Mx	-.005	1
76	MP3B	X	5.532	1
77	MP3B	Z	-9.581	1
78	MP3B	Mx	.005	1
79	MP3C	X	7.437	1
80	MP3C	Z	-12.881	1
81	MP3C	Mx	-.002	1
82	MP3A	X	6.066	3
83	MP3A	Z	-10.507	3
84	MP3A	Mx	-.004	3
85	MP3B	X	4.752	3
86	MP3B	Z	-8.23	3
87	MP3B	Mx	.005	3
88	MP3C	X	7.381	3
89	MP3C	Z	-12.784	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
90	MP3C	Mx	-.002	3
91	OVP	X	10.236	1
92	OVP	Z	-17.729	1
93	OVP	Mx	-.003	1
94	OVP	X	10.236	1
95	OVP	Z	-17.729	1
96	OVP	Mx	.003	1
97	MP4C	X	.982	3.5
98	MP4C	Z	-1.701	3.5
99	MP4C	Mx	.001	3.5
100	MP4C	X	.982	4.5
101	MP4C	Z	-1.701	4.5
102	MP4C	Mx	.001	4.5
103	MP4C	X	.982	3.5
104	MP4C	Z	-1.701	3.5
105	MP4C	Mx	-.000124	3.5
106	MP4C	X	.982	4.5
107	MP4C	Z	-1.701	4.5
108	MP4C	Mx	-.000124	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	7.33	2
2	MP1A	Z	-4.232	2
3	MP1A	Mx	-.004	2
4	MP1A	X	7.33	4
5	MP1A	Z	-4.232	4
6	MP1A	Mx	-.004	4
7	MP1B	X	10.98	2
8	MP1B	Z	-6.339	2
9	MP1B	Mx	.004	2
10	MP1B	X	10.98	4
11	MP1B	Z	-6.339	4
12	MP1B	Mx	.004	4
13	MP1C	X	14.63	2
14	MP1C	Z	-8.447	2
15	MP1C	Mx	.002	2
16	MP1C	X	14.63	4
17	MP1C	Z	-8.447	4
18	MP1C	Mx	.002	4
19	MP3A	X	18.277	.5
20	MP3A	Z	-10.552	.5
21	MP3A	Mx	-.014	.5
22	MP3A	X	18.277	6.5
23	MP3A	Z	-10.552	6.5
24	MP3A	Mx	-.014	6.5
25	MP3B	X	21.514	.5
26	MP3B	Z	-12.421	.5
27	MP3B	Mx	.02	.5
28	MP3B	X	21.514	6.5
29	MP3B	Z	-12.421	6.5
30	MP3B	Mx	.02	6.5
31	MP3C	X	24.752	.5
32	MP3C	Z	-14.29	.5
33	MP3C	Mx	.021	.5
34	MP3C	X	24.752	6.5
35	MP3C	Z	-14.29	6.5
36	MP3C	Mx	.021	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
37	MP3A	X	18.277	.5
38	MP3A	Z	-10.552	.5
39	MP3A	Mx	-.007	.5
40	MP3A	X	18.277	6.5
41	MP3A	Z	-10.552	6.5
42	MP3A	Mx	-.007	6.5
43	MP3B	X	21.514	.5
44	MP3B	Z	-12.421	.5
45	MP3B	Mx	-.002	.5
46	MP3B	X	21.514	6.5
47	MP3B	Z	-12.421	6.5
48	MP3B	Mx	-.002	6.5
49	MP3C	X	24.752	.5
50	MP3C	Z	-14.29	.5
51	MP3C	Mx	-.014	.5
52	MP3C	X	24.752	6.5
53	MP3C	Z	-14.29	6.5
54	MP3C	Mx	-.014	6.5
55	MP4A	X	9.978	1
56	MP4A	Z	-5.761	1
57	MP4A	Mx	-.006	1
58	MP4A	X	9.978	5
59	MP4A	Z	-5.761	5
60	MP4A	Mx	-.006	5
61	MP4B	X	10.925	1
62	MP4B	Z	-6.308	1
63	MP4B	Mx	.004	1
64	MP4B	X	10.925	5
65	MP4B	Z	-6.308	5
66	MP4B	Mx	.004	5
67	MP4C	X	11.872	1
68	MP4C	Z	-6.854	1
69	MP4C	Mx	.002	1
70	MP4C	X	11.872	5
71	MP4C	Z	-6.854	5
72	MP4C	Mx	.002	5
73	MP3A	X	9.581	1
74	MP3A	Z	-5.532	1
75	MP3A	Mx	-.005	1
76	MP3B	X	11.231	1
77	MP3B	Z	-6.484	1
78	MP3B	Mx	.005	1
79	MP3C	X	12.881	1
80	MP3C	Z	-7.437	1
81	MP3C	Mx	.002	1
82	MP3A	X	8.23	3
83	MP3A	Z	-4.752	3
84	MP3A	Mx	-.005	3
85	MP3B	X	10.507	3
86	MP3B	Z	-6.066	3
87	MP3B	Mx	.004	3
88	MP3C	X	12.784	3
89	MP3C	Z	-7.381	3
90	MP3C	Mx	.002	3
91	OVP	X	17.729	1
92	OVP	Z	-10.236	1
93	OVP	Mx	.003	1
94	OVP	X	17.729	1
95	OVP	Z	-10.236	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
96	OVP	Mx	-.003	1
97	MP4C	X	1.701	3.5
98	MP4C	Z	-.982	3.5
99	MP4C	Mx	.000124	3.5
100	MP4C	X	1.701	4.5
101	MP4C	Z	-.982	4.5
102	MP4C	Mx	.000124	4.5
103	MP4C	X	1.701	3.5
104	MP4C	Z	-.982	3.5
105	MP4C	Mx	-.001	3.5
106	MP4C	X	1.701	4.5
107	MP4C	Z	-.982	4.5
108	MP4C	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	8.464	2
2	MP1A	Z	0	2
3	MP1A	Mx	-.004	2
4	MP1A	X	8.464	4
5	MP1A	Z	0	4
6	MP1A	Mx	-.004	4
7	MP1B	X	16.893	2
8	MP1B	Z	0	2
9	MP1B	Mx	.002	2
10	MP1B	X	16.893	4
11	MP1B	Z	0	4
12	MP1B	Mx	.002	4
13	MP1C	X	12.679	2
14	MP1C	Z	0	2
15	MP1C	Mx	.004	2
16	MP1C	X	12.679	4
17	MP1C	Z	0	4
18	MP1C	Mx	.004	4
19	MP3A	X	21.104	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.007	.5
22	MP3A	X	21.104	6.5
23	MP3A	Z	0	6.5
24	MP3A	Mx	-.007	6.5
25	MP3B	X	28.581	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.021	.5
28	MP3B	X	28.581	6.5
29	MP3B	Z	0	6.5
30	MP3B	Mx	.021	6.5
31	MP3C	X	24.842	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.02	.5
34	MP3C	X	24.842	6.5
35	MP3C	Z	0	6.5
36	MP3C	Mx	.02	6.5
37	MP3A	X	21.104	.5
38	MP3A	Z	0	.5
39	MP3A	Mx	-.014	.5
40	MP3A	X	21.104	6.5
41	MP3A	Z	0	6.5
42	MP3A	Mx	-.014	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
43	MP3B	X	28.581	.5
44	MP3B	Z	0	.5
45	MP3B	Mx	-.014	.5
46	MP3B	X	28.581	6.5
47	MP3B	Z	0	6.5
48	MP3B	Mx	-.014	6.5
49	MP3C	X	24.842	.5
50	MP3C	Z	0	.5
51	MP3C	Mx	-.002	.5
52	MP3C	X	24.842	6.5
53	MP3C	Z	0	6.5
54	MP3C	Mx	-.002	6.5
55	MP4A	X	11.522	1
56	MP4A	Z	0	1
57	MP4A	Mx	-.006	1
58	MP4A	X	11.522	5
59	MP4A	Z	0	5
60	MP4A	Mx	-.006	5
61	MP4B	X	13.708	1
62	MP4B	Z	0	1
63	MP4B	Mx	.002	1
64	MP4B	X	13.708	5
65	MP4B	Z	0	5
66	MP4B	Mx	.002	5
67	MP4C	X	12.615	1
68	MP4C	Z	0	1
69	MP4C	Mx	.004	1
70	MP4C	X	12.615	5
71	MP4C	Z	0	5
72	MP4C	Mx	.004	5
73	MP3A	X	11.063	1
74	MP3A	Z	0	1
75	MP3A	Mx	-.005	1
76	MP3B	X	14.874	1
77	MP3B	Z	0	1
78	MP3B	Mx	.002	1
79	MP3C	X	12.968	1
80	MP3C	Z	0	1
81	MP3C	Mx	.005	1
82	MP3A	X	9.503	3
83	MP3A	Z	0	3
84	MP3A	Mx	-.005	3
85	MP3B	X	14.762	3
86	MP3B	Z	0	3
87	MP3B	Mx	.002	3
88	MP3C	X	12.132	3
89	MP3C	Z	0	3
90	MP3C	Mx	.004	3
91	OVP	X	24.206	1
92	OVP	Z	0	1
93	OVP	Mx	.009	1
94	OVP	X	24.206	1
95	OVP	Z	0	1
96	OVP	Mx	-.009	1
97	MP4C	X	3.052	3.5
98	MP4C	Z	0	3.5
99	MP4C	Mx	-.001	3.5
100	MP4C	X	3.052	4.5
101	MP4C	Z	0	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
102	MP4C	Mx	-.001	4.5
103	MP4C	X	3.052	3.5
104	MP4C	Z	0	3.5
105	MP4C	Mx	-.003	3.5
106	MP4C	X	3.052	4.5
107	MP4C	Z	0	4.5
108	MP4C	Mx	-.003	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	10.98	2
2	MP1A	Z	6.339	2
3	MP1A	Mx	-.004	2
4	MP1A	X	10.98	4
5	MP1A	Z	6.339	4
6	MP1A	Mx	-.004	4
7	MP1B	X	14.63	2
8	MP1B	Z	8.447	2
9	MP1B	Mx	-.002	2
10	MP1B	X	14.63	4
11	MP1B	Z	8.447	4
12	MP1B	Mx	-.002	4
13	MP1C	X	7.33	2
14	MP1C	Z	4.232	2
15	MP1C	Mx	.004	2
16	MP1C	X	7.33	4
17	MP1C	Z	4.232	4
18	MP1C	Mx	.004	4
19	MP3A	X	21.514	.5
20	MP3A	Z	12.421	.5
21	MP3A	Mx	.002	.5
22	MP3A	X	21.514	6.5
23	MP3A	Z	12.421	6.5
24	MP3A	Mx	.002	6.5
25	MP3B	X	24.752	.5
26	MP3B	Z	14.29	.5
27	MP3B	Mx	.014	.5
28	MP3B	X	24.752	6.5
29	MP3B	Z	14.29	6.5
30	MP3B	Mx	.014	6.5
31	MP3C	X	18.277	.5
32	MP3C	Z	10.552	.5
33	MP3C	Mx	.014	.5
34	MP3C	X	18.277	6.5
35	MP3C	Z	10.552	6.5
36	MP3C	Mx	.014	6.5
37	MP3A	X	21.514	.5
38	MP3A	Z	12.421	.5
39	MP3A	Mx	-.02	.5
40	MP3A	X	21.514	6.5
41	MP3A	Z	12.421	6.5
42	MP3A	Mx	-.02	6.5
43	MP3B	X	24.752	.5
44	MP3B	Z	14.29	.5
45	MP3B	Mx	-.021	.5
46	MP3B	X	24.752	6.5
47	MP3B	Z	14.29	6.5
48	MP3B	Mx	-.021	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
49	MP3C	X	18.277	.5
50	MP3C	Z	10.552	.5
51	MP3C	Mx	.007	.5
52	MP3C	X	18.277	6.5
53	MP3C	Z	10.552	6.5
54	MP3C	Mx	.007	6.5
55	MP4A	X	10.925	1
56	MP4A	Z	6.308	1
57	MP4A	Mx	-.004	1
58	MP4A	X	10.925	5
59	MP4A	Z	6.308	5
60	MP4A	Mx	-.004	5
61	MP4B	X	11.872	1
62	MP4B	Z	6.854	1
63	MP4B	Mx	-.002	1
64	MP4B	X	11.872	5
65	MP4B	Z	6.854	5
66	MP4B	Mx	-.002	5
67	MP4C	X	9.978	1
68	MP4C	Z	5.761	1
69	MP4C	Mx	.006	1
70	MP4C	X	9.978	5
71	MP4C	Z	5.761	5
72	MP4C	Mx	.006	5
73	MP3A	X	11.231	1
74	MP3A	Z	6.484	1
75	MP3A	Mx	-.005	1
76	MP3B	X	12.881	1
77	MP3B	Z	7.437	1
78	MP3B	Mx	-.002	1
79	MP3C	X	9.581	1
80	MP3C	Z	5.532	1
81	MP3C	Mx	.005	1
82	MP3A	X	10.507	3
83	MP3A	Z	6.066	3
84	MP3A	Mx	-.004	3
85	MP3B	X	12.784	3
86	MP3B	Z	7.381	3
87	MP3B	Mx	-.002	3
88	MP3C	X	8.23	3
89	MP3C	Z	4.752	3
90	MP3C	Mx	.005	3
91	OVP	X	24.197	1
92	OVP	Z	13.97	1
93	OVP	Mx	.013	1
94	OVP	X	24.197	1
95	OVP	Z	13.97	1
96	OVP	Mx	-.013	1
97	MP4C	X	3.586	3.5
98	MP4C	Z	2.071	3.5
99	MP4C	Mx	-.004	3.5
100	MP4C	X	3.586	4.5
101	MP4C	Z	2.071	4.5
102	MP4C	Mx	-.004	4.5
103	MP4C	X	3.586	3.5
104	MP4C	Z	2.071	3.5
105	MP4C	Mx	-.004	3.5
106	MP4C	X	3.586	4.5
107	MP4C	Z	2.071	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
108	MP4C	Mx	-.004	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1A	X	8.447	2
2	MP1A	Z	14.63	2
3	MP1A	Mx	-.002	2
4	MP1A	X	8.447	4
5	MP1A	Z	14.63	4
6	MP1A	Mx	-.002	4
7	MP1B	X	6.339	2
8	MP1B	Z	10.98	2
9	MP1B	Mx	-.004	2
10	MP1B	X	6.339	4
11	MP1B	Z	10.98	4
12	MP1B	Mx	-.004	4
13	MP1C	X	4.232	2
14	MP1C	Z	7.33	2
15	MP1C	Mx	.004	2
16	MP1C	X	4.232	4
17	MP1C	Z	7.33	4
18	MP1C	Mx	.004	4
19	MP3A	X	14.29	.5
20	MP3A	Z	24.752	.5
21	MP3A	Mx	.014	.5
22	MP3A	X	14.29	6.5
23	MP3A	Z	24.752	6.5
24	MP3A	Mx	.014	6.5
25	MP3B	X	12.421	.5
26	MP3B	Z	21.514	.5
27	MP3B	Mx	.002	.5
28	MP3B	X	12.421	6.5
29	MP3B	Z	21.514	6.5
30	MP3B	Mx	.002	6.5
31	MP3C	X	10.552	.5
32	MP3C	Z	18.277	.5
33	MP3C	Mx	.007	.5
34	MP3C	X	10.552	6.5
35	MP3C	Z	18.277	6.5
36	MP3C	Mx	.007	6.5
37	MP3A	X	14.29	.5
38	MP3A	Z	24.752	.5
39	MP3A	Mx	-.021	.5
40	MP3A	X	14.29	6.5
41	MP3A	Z	24.752	6.5
42	MP3A	Mx	-.021	6.5
43	MP3B	X	12.421	.5
44	MP3B	Z	21.514	.5
45	MP3B	Mx	-.02	.5
46	MP3B	X	12.421	6.5
47	MP3B	Z	21.514	6.5
48	MP3B	Mx	-.02	6.5
49	MP3C	X	10.552	.5
50	MP3C	Z	18.277	.5
51	MP3C	Mx	.014	.5
52	MP3C	X	10.552	6.5
53	MP3C	Z	18.277	6.5
54	MP3C	Mx	.014	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
55	MP4A	X	6.854	1
56	MP4A	Z	11.872	1
57	MP4A	Mx	-.002	1
58	MP4A	X	6.854	5
59	MP4A	Z	11.872	5
60	MP4A	Mx	-.002	5
61	MP4B	X	6.308	1
62	MP4B	Z	10.925	1
63	MP4B	Mx	-.004	1
64	MP4B	X	6.308	5
65	MP4B	Z	10.925	5
66	MP4B	Mx	-.004	5
67	MP4C	X	5.761	1
68	MP4C	Z	9.978	1
69	MP4C	Mx	.006	1
70	MP4C	X	5.761	5
71	MP4C	Z	9.978	5
72	MP4C	Mx	.006	5
73	MP3A	X	7.437	1
74	MP3A	Z	12.881	1
75	MP3A	Mx	-.002	1
76	MP3B	X	6.484	1
77	MP3B	Z	11.231	1
78	MP3B	Mx	-.005	1
79	MP3C	X	5.532	1
80	MP3C	Z	9.581	1
81	MP3C	Mx	.005	1
82	MP3A	X	7.381	3
83	MP3A	Z	12.784	3
84	MP3A	Mx	-.002	3
85	MP3B	X	6.066	3
86	MP3B	Z	10.507	3
87	MP3B	Mx	-.004	3
88	MP3C	X	4.752	3
89	MP3C	Z	8.23	3
90	MP3C	Mx	.005	3
91	OVP	X	13.97	1
92	OVP	Z	24.197	1
93	OVP	Mx	.013	1
94	OVP	X	13.97	1
95	OVP	Z	24.197	1
96	OVP	Mx	-.013	1
97	MP4C	X	2.071	3.5
98	MP4C	Z	3.586	3.5
99	MP4C	Mx	-.004	3.5
100	MP4C	X	2.071	4.5
101	MP4C	Z	3.586	4.5
102	MP4C	Mx	-.004	4.5
103	MP4C	X	2.071	3.5
104	MP4C	Z	3.586	3.5
105	MP4C	Mx	-.004	3.5
106	MP4C	X	2.071	4.5
107	MP4C	Z	3.586	4.5
108	MP4C	Mx	-.004	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	0	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
2	MP1A	Z	16.893	2
3	MP1A	Mx	.002	2
4	MP1A	X	0	4
5	MP1A	Z	16.893	4
6	MP1A	Mx	.002	4
7	MP1B	X	0	2
8	MP1B	Z	8.464	2
9	MP1B	Mx	-.004	2
10	MP1B	X	0	4
11	MP1B	Z	8.464	4
12	MP1B	Mx	-.004	4
13	MP1C	X	0	2
14	MP1C	Z	12.679	2
15	MP1C	Mx	.004	2
16	MP1C	X	0	4
17	MP1C	Z	12.679	4
18	MP1C	Mx	.004	4
19	MP3A	X	0	.5
20	MP3A	Z	28.581	.5
21	MP3A	Mx	.021	.5
22	MP3A	X	0	6.5
23	MP3A	Z	28.581	6.5
24	MP3A	Mx	.021	6.5
25	MP3B	X	0	.5
26	MP3B	Z	21.104	.5
27	MP3B	Mx	-.007	.5
28	MP3B	X	0	6.5
29	MP3B	Z	21.104	6.5
30	MP3B	Mx	-.007	6.5
31	MP3C	X	0	.5
32	MP3C	Z	24.842	.5
33	MP3C	Mx	-.002	.5
34	MP3C	X	0	6.5
35	MP3C	Z	24.842	6.5
36	MP3C	Mx	-.002	6.5
37	MP3A	X	0	.5
38	MP3A	Z	28.581	.5
39	MP3A	Mx	-.014	.5
40	MP3A	X	0	6.5
41	MP3A	Z	28.581	6.5
42	MP3A	Mx	-.014	6.5
43	MP3B	X	0	.5
44	MP3B	Z	21.104	.5
45	MP3B	Mx	-.014	.5
46	MP3B	X	0	6.5
47	MP3B	Z	21.104	6.5
48	MP3B	Mx	-.014	6.5
49	MP3C	X	0	.5
50	MP3C	Z	24.842	.5
51	MP3C	Mx	.02	.5
52	MP3C	X	0	6.5
53	MP3C	Z	24.842	6.5
54	MP3C	Mx	.02	6.5
55	MP4A	X	0	1
56	MP4A	Z	13.708	1
57	MP4A	Mx	.002	1
58	MP4A	X	0	5
59	MP4A	Z	13.708	5
60	MP4A	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
61	MP4B	X	0	1
62	MP4B	Z	11.522	1
63	MP4B	Mx	-.006	1
64	MP4B	X	0	5
65	MP4B	Z	11.522	5
66	MP4B	Mx	-.006	5
67	MP4C	X	0	1
68	MP4C	Z	12.615	1
69	MP4C	Mx	.004	1
70	MP4C	X	0	5
71	MP4C	Z	12.615	5
72	MP4C	Mx	.004	5
73	MP3A	X	0	1
74	MP3A	Z	14.874	1
75	MP3A	Mx	.002	1
76	MP3B	X	0	1
77	MP3B	Z	11.063	1
78	MP3B	Mx	-.005	1
79	MP3C	X	0	1
80	MP3C	Z	12.968	1
81	MP3C	Mx	.005	1
82	MP3A	X	0	3
83	MP3A	Z	14.762	3
84	MP3A	Mx	.002	3
85	MP3B	X	0	3
86	MP3B	Z	9.503	3
87	MP3B	Mx	-.005	3
88	MP3C	X	0	3
89	MP3C	Z	12.132	3
90	MP3C	Mx	.004	3
91	OVP	X	0	1
92	OVP	Z	24.206	1
93	OVP	Mx	.009	1
94	OVP	X	0	1
95	OVP	Z	24.206	1
96	OVP	Mx	-.009	1
97	MP4C	X	0	3.5
98	MP4C	Z	3.052	3.5
99	MP4C	Mx	-.003	3.5
100	MP4C	X	0	4.5
101	MP4C	Z	3.052	4.5
102	MP4C	Mx	-.003	4.5
103	MP4C	X	0	3.5
104	MP4C	Z	3.052	3.5
105	MP4C	Mx	-.001	3.5
106	MP4C	X	0	4.5
107	MP4C	Z	3.052	4.5
108	MP4C	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-6.339	2
2	MP1A	Z	10.98	2
3	MP1A	Mx	.004	2
4	MP1A	X	-6.339	4
5	MP1A	Z	10.98	4
6	MP1A	Mx	.004	4
7	MP1B	X	-4.232	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
8	MP1B	Z	7.33	2
9	MP1B	Mx	-.004	2
10	MP1B	X	-4.232	4
11	MP1B	Z	7.33	4
12	MP1B	Mx	-.004	4
13	MP1C	X	-8.447	2
14	MP1C	Z	14.63	2
15	MP1C	Mx	.002	2
16	MP1C	X	-8.447	4
17	MP1C	Z	14.63	4
18	MP1C	Mx	.002	4
19	MP3A	X	-12.421	.5
20	MP3A	Z	21.514	.5
21	MP3A	Mx	.02	.5
22	MP3A	X	-12.421	6.5
23	MP3A	Z	21.514	6.5
24	MP3A	Mx	.02	6.5
25	MP3B	X	-10.552	.5
26	MP3B	Z	18.277	.5
27	MP3B	Mx	-.014	.5
28	MP3B	X	-10.552	6.5
29	MP3B	Z	18.277	6.5
30	MP3B	Mx	-.014	6.5
31	MP3C	X	-14.29	.5
32	MP3C	Z	24.752	.5
33	MP3C	Mx	-.014	.5
34	MP3C	X	-14.29	6.5
35	MP3C	Z	24.752	6.5
36	MP3C	Mx	-.014	6.5
37	MP3A	X	-12.421	.5
38	MP3A	Z	21.514	.5
39	MP3A	Mx	-.002	.5
40	MP3A	X	-12.421	6.5
41	MP3A	Z	21.514	6.5
42	MP3A	Mx	-.002	6.5
43	MP3B	X	-10.552	.5
44	MP3B	Z	18.277	.5
45	MP3B	Mx	-.007	.5
46	MP3B	X	-10.552	6.5
47	MP3B	Z	18.277	6.5
48	MP3B	Mx	-.007	6.5
49	MP3C	X	-14.29	.5
50	MP3C	Z	24.752	.5
51	MP3C	Mx	.021	.5
52	MP3C	X	-14.29	6.5
53	MP3C	Z	24.752	6.5
54	MP3C	Mx	.021	6.5
55	MP4A	X	-6.308	1
56	MP4A	Z	10.925	1
57	MP4A	Mx	.004	1
58	MP4A	X	-6.308	5
59	MP4A	Z	10.925	5
60	MP4A	Mx	.004	5
61	MP4B	X	-5.761	1
62	MP4B	Z	9.978	1
63	MP4B	Mx	-.006	1
64	MP4B	X	-5.761	5
65	MP4B	Z	9.978	5
66	MP4B	Mx	-.006	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
67	MP4C	X	-6.854	1
68	MP4C	Z	11.872	1
69	MP4C	Mx	.002	1
70	MP4C	X	-6.854	5
71	MP4C	Z	11.872	5
72	MP4C	Mx	.002	5
73	MP3A	X	-6.484	1
74	MP3A	Z	11.231	1
75	MP3A	Mx	.005	1
76	MP3B	X	-5.532	1
77	MP3B	Z	9.581	1
78	MP3B	Mx	-.005	1
79	MP3C	X	-7.437	1
80	MP3C	Z	12.881	1
81	MP3C	Mx	.002	1
82	MP3A	X	-6.066	3
83	MP3A	Z	10.507	3
84	MP3A	Mx	.004	3
85	MP3B	X	-4.752	3
86	MP3B	Z	8.23	3
87	MP3B	Mx	-.005	3
88	MP3C	X	-7.381	3
89	MP3C	Z	12.784	3
90	MP3C	Mx	.002	3
91	OVP	X	-10.236	1
92	OVP	Z	17.729	1
93	OVP	Mx	.003	1
94	OVP	X	-10.236	1
95	OVP	Z	17.729	1
96	OVP	Mx	-.003	1
97	MP4C	X	-.982	3.5
98	MP4C	Z	1.701	3.5
99	MP4C	Mx	-.001	3.5
100	MP4C	X	-.982	4.5
101	MP4C	Z	1.701	4.5
102	MP4C	Mx	-.001	4.5
103	MP4C	X	-.982	3.5
104	MP4C	Z	1.701	3.5
105	MP4C	Mx	.000124	3.5
106	MP4C	X	-.982	4.5
107	MP4C	Z	1.701	4.5
108	MP4C	Mx	.000124	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1A	X	-7.33	2
2	MP1A	Z	4.232	2
3	MP1A	Mx	.004	2
4	MP1A	X	-7.33	4
5	MP1A	Z	4.232	4
6	MP1A	Mx	.004	4
7	MP1B	X	-10.98	2
8	MP1B	Z	6.339	2
9	MP1B	Mx	-.004	2
10	MP1B	X	-10.98	4
11	MP1B	Z	6.339	4
12	MP1B	Mx	-.004	4
13	MP1C	X	-14.63	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
14	MP1C	Z	8.447	2
15	MP1C	Mx	-.002	2
16	MP1C	X	-14.63	4
17	MP1C	Z	8.447	4
18	MP1C	Mx	-.002	4
19	MP3A	X	-18.277	.5
20	MP3A	Z	10.552	.5
21	MP3A	Mx	.014	.5
22	MP3A	X	-18.277	6.5
23	MP3A	Z	10.552	6.5
24	MP3A	Mx	.014	6.5
25	MP3B	X	-21.514	.5
26	MP3B	Z	12.421	.5
27	MP3B	Mx	-.02	.5
28	MP3B	X	-21.514	6.5
29	MP3B	Z	12.421	6.5
30	MP3B	Mx	-.02	6.5
31	MP3C	X	-24.752	.5
32	MP3C	Z	14.29	.5
33	MP3C	Mx	-.021	.5
34	MP3C	X	-24.752	6.5
35	MP3C	Z	14.29	6.5
36	MP3C	Mx	-.021	6.5
37	MP3A	X	-18.277	.5
38	MP3A	Z	10.552	.5
39	MP3A	Mx	.007	.5
40	MP3A	X	-18.277	6.5
41	MP3A	Z	10.552	6.5
42	MP3A	Mx	.007	6.5
43	MP3B	X	-21.514	.5
44	MP3B	Z	12.421	.5
45	MP3B	Mx	.002	.5
46	MP3B	X	-21.514	6.5
47	MP3B	Z	12.421	6.5
48	MP3B	Mx	.002	6.5
49	MP3C	X	-24.752	.5
50	MP3C	Z	14.29	.5
51	MP3C	Mx	.014	.5
52	MP3C	X	-24.752	6.5
53	MP3C	Z	14.29	6.5
54	MP3C	Mx	.014	6.5
55	MP4A	X	-9.978	1
56	MP4A	Z	5.761	1
57	MP4A	Mx	.006	1
58	MP4A	X	-9.978	5
59	MP4A	Z	5.761	5
60	MP4A	Mx	.006	5
61	MP4B	X	-10.925	1
62	MP4B	Z	6.308	1
63	MP4B	Mx	-.004	1
64	MP4B	X	-10.925	5
65	MP4B	Z	6.308	5
66	MP4B	Mx	-.004	5
67	MP4C	X	-11.872	1
68	MP4C	Z	6.854	1
69	MP4C	Mx	-.002	1
70	MP4C	X	-11.872	5
71	MP4C	Z	6.854	5
72	MP4C	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
73	MP3A	X	-9.581	1
74	MP3A	Z	5.532	1
75	MP3A	Mx	.005	1
76	MP3B	X	-11.231	1
77	MP3B	Z	6.484	1
78	MP3B	Mx	-.005	1
79	MP3C	X	-12.881	1
80	MP3C	Z	7.437	1
81	MP3C	Mx	-.002	1
82	MP3A	X	-8.23	3
83	MP3A	Z	4.752	3
84	MP3A	Mx	.005	3
85	MP3B	X	-10.507	3
86	MP3B	Z	6.066	3
87	MP3B	Mx	-.004	3
88	MP3C	X	-12.784	3
89	MP3C	Z	7.381	3
90	MP3C	Mx	-.002	3
91	OVP	X	-17.729	1
92	OVP	Z	10.236	1
93	OVP	Mx	-.003	1
94	OVP	X	-17.729	1
95	OVP	Z	10.236	1
96	OVP	Mx	.003	1
97	MP4C	X	-1.701	3.5
98	MP4C	Z	.982	3.5
99	MP4C	Mx	-.000124	3.5
100	MP4C	X	-1.701	4.5
101	MP4C	Z	.982	4.5
102	MP4C	Mx	-.000124	4.5
103	MP4C	X	-1.701	3.5
104	MP4C	Z	.982	3.5
105	MP4C	Mx	.001	3.5
106	MP4C	X	-1.701	4.5
107	MP4C	Z	.982	4.5
108	MP4C	Mx	.001	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-8.464	2
2	MP1A	Z	0	2
3	MP1A	Mx	.004	2
4	MP1A	X	-8.464	4
5	MP1A	Z	0	4
6	MP1A	Mx	.004	4
7	MP1B	X	-16.893	2
8	MP1B	Z	0	2
9	MP1B	Mx	-.002	2
10	MP1B	X	-16.893	4
11	MP1B	Z	0	4
12	MP1B	Mx	-.002	4
13	MP1C	X	-12.679	2
14	MP1C	Z	0	2
15	MP1C	Mx	-.004	2
16	MP1C	X	-12.679	4
17	MP1C	Z	0	4
18	MP1C	Mx	-.004	4
19	MP3A	X	-21.104	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
20	MP3A	Z	0	.5
21	MP3A	Mx	.007	.5
22	MP3A	X	-21.104	6.5
23	MP3A	Z	0	6.5
24	MP3A	Mx	.007	6.5
25	MP3B	X	-28.581	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.021	.5
28	MP3B	X	-28.581	6.5
29	MP3B	Z	0	6.5
30	MP3B	Mx	-.021	6.5
31	MP3C	X	-24.842	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.02	.5
34	MP3C	X	-24.842	6.5
35	MP3C	Z	0	6.5
36	MP3C	Mx	-.02	6.5
37	MP3A	X	-21.104	.5
38	MP3A	Z	0	.5
39	MP3A	Mx	.014	.5
40	MP3A	X	-21.104	6.5
41	MP3A	Z	0	6.5
42	MP3A	Mx	.014	6.5
43	MP3B	X	-28.581	.5
44	MP3B	Z	0	.5
45	MP3B	Mx	.014	.5
46	MP3B	X	-28.581	6.5
47	MP3B	Z	0	6.5
48	MP3B	Mx	.014	6.5
49	MP3C	X	-24.842	.5
50	MP3C	Z	0	.5
51	MP3C	Mx	.002	.5
52	MP3C	X	-24.842	6.5
53	MP3C	Z	0	6.5
54	MP3C	Mx	.002	6.5
55	MP4A	X	-11.522	1
56	MP4A	Z	0	1
57	MP4A	Mx	.006	1
58	MP4A	X	-11.522	5
59	MP4A	Z	0	5
60	MP4A	Mx	.006	5
61	MP4B	X	-13.708	1
62	MP4B	Z	0	1
63	MP4B	Mx	-.002	1
64	MP4B	X	-13.708	5
65	MP4B	Z	0	5
66	MP4B	Mx	-.002	5
67	MP4C	X	-12.615	1
68	MP4C	Z	0	1
69	MP4C	Mx	-.004	1
70	MP4C	X	-12.615	5
71	MP4C	Z	0	5
72	MP4C	Mx	-.004	5
73	MP3A	X	-11.063	1
74	MP3A	Z	0	1
75	MP3A	Mx	.005	1
76	MP3B	X	-14.874	1
77	MP3B	Z	0	1
78	MP3B	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
79	MP3C	X	-12.968	1
80	MP3C	Z	0	1
81	MP3C	Mx	-.005	1
82	MP3A	X	-9.503	3
83	MP3A	Z	0	3
84	MP3A	Mx	.005	3
85	MP3B	X	-14.762	3
86	MP3B	Z	0	3
87	MP3B	Mx	-.002	3
88	MP3C	X	-12.132	3
89	MP3C	Z	0	3
90	MP3C	Mx	-.004	3
91	OVP	X	-24.206	1
92	OVP	Z	0	1
93	OVP	Mx	-.009	1
94	OVP	X	-24.206	1
95	OVP	Z	0	1
96	OVP	Mx	.009	1
97	MP4C	X	-3.052	3.5
98	MP4C	Z	0	3.5
99	MP4C	Mx	.001	3.5
100	MP4C	X	-3.052	4.5
101	MP4C	Z	0	4.5
102	MP4C	Mx	.001	4.5
103	MP4C	X	-3.052	3.5
104	MP4C	Z	0	3.5
105	MP4C	Mx	.003	3.5
106	MP4C	X	-3.052	4.5
107	MP4C	Z	0	4.5
108	MP4C	Mx	.003	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-10.98	2
2	MP1A	Z	-6.339	2
3	MP1A	Mx	.004	2
4	MP1A	X	-10.98	4
5	MP1A	Z	-6.339	4
6	MP1A	Mx	.004	4
7	MP1B	X	-14.63	2
8	MP1B	Z	-8.447	2
9	MP1B	Mx	.002	2
10	MP1B	X	-14.63	4
11	MP1B	Z	-8.447	4
12	MP1B	Mx	.002	4
13	MP1C	X	-7.33	2
14	MP1C	Z	-4.232	2
15	MP1C	Mx	-.004	2
16	MP1C	X	-7.33	4
17	MP1C	Z	-4.232	4
18	MP1C	Mx	-.004	4
19	MP3A	X	-21.514	.5
20	MP3A	Z	-12.421	.5
21	MP3A	Mx	-.002	.5
22	MP3A	X	-21.514	6.5
23	MP3A	Z	-12.421	6.5
24	MP3A	Mx	-.002	6.5
25	MP3B	X	-24.752	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
26	MP3B	Z	-14.29	.5
27	MP3B	Mx	-.014	.5
28	MP3B	X	-24.752	6.5
29	MP3B	Z	-14.29	6.5
30	MP3B	Mx	-.014	6.5
31	MP3C	X	-18.277	.5
32	MP3C	Z	-10.552	.5
33	MP3C	Mx	-.014	.5
34	MP3C	X	-18.277	6.5
35	MP3C	Z	-10.552	6.5
36	MP3C	Mx	-.014	6.5
37	MP3A	X	-21.514	.5
38	MP3A	Z	-12.421	.5
39	MP3A	Mx	.02	.5
40	MP3A	X	-21.514	6.5
41	MP3A	Z	-12.421	6.5
42	MP3A	Mx	.02	6.5
43	MP3B	X	-24.752	.5
44	MP3B	Z	-14.29	.5
45	MP3B	Mx	.021	.5
46	MP3B	X	-24.752	6.5
47	MP3B	Z	-14.29	6.5
48	MP3B	Mx	.021	6.5
49	MP3C	X	-18.277	.5
50	MP3C	Z	-10.552	.5
51	MP3C	Mx	-.007	.5
52	MP3C	X	-18.277	6.5
53	MP3C	Z	-10.552	6.5
54	MP3C	Mx	-.007	6.5
55	MP4A	X	-10.925	1
56	MP4A	Z	-6.308	1
57	MP4A	Mx	.004	1
58	MP4A	X	-10.925	5
59	MP4A	Z	-6.308	5
60	MP4A	Mx	.004	5
61	MP4B	X	-11.872	1
62	MP4B	Z	-6.854	1
63	MP4B	Mx	.002	1
64	MP4B	X	-11.872	5
65	MP4B	Z	-6.854	5
66	MP4B	Mx	.002	5
67	MP4C	X	-9.978	1
68	MP4C	Z	-5.761	1
69	MP4C	Mx	-.006	1
70	MP4C	X	-9.978	5
71	MP4C	Z	-5.761	5
72	MP4C	Mx	-.006	5
73	MP3A	X	-11.231	1
74	MP3A	Z	-6.484	1
75	MP3A	Mx	.005	1
76	MP3B	X	-12.881	1
77	MP3B	Z	-7.437	1
78	MP3B	Mx	.002	1
79	MP3C	X	-9.581	1
80	MP3C	Z	-5.532	1
81	MP3C	Mx	-.005	1
82	MP3A	X	-10.507	3
83	MP3A	Z	-6.066	3
84	MP3A	Mx	.004	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
85	MP3B	X	-12.784	3
86	MP3B	Z	-7.381	3
87	MP3B	Mx	.002	3
88	MP3C	X	-8.23	3
89	MP3C	Z	-4.752	3
90	MP3C	Mx	-.005	3
91	OVP	X	-24.197	1
92	OVP	Z	-13.97	1
93	OVP	Mx	-.013	1
94	OVP	X	-24.197	1
95	OVP	Z	-13.97	1
96	OVP	Mx	.013	1
97	MP4C	X	-3.586	3.5
98	MP4C	Z	-2.071	3.5
99	MP4C	Mx	.004	3.5
100	MP4C	X	-3.586	4.5
101	MP4C	Z	-2.071	4.5
102	MP4C	Mx	.004	4.5
103	MP4C	X	-3.586	3.5
104	MP4C	Z	-2.071	3.5
105	MP4C	Mx	.004	3.5
106	MP4C	X	-3.586	4.5
107	MP4C	Z	-2.071	4.5
108	MP4C	Mx	.004	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-8.447	2
2	MP1A	Z	-14.63	2
3	MP1A	Mx	.002	2
4	MP1A	X	-8.447	4
5	MP1A	Z	-14.63	4
6	MP1A	Mx	.002	4
7	MP1B	X	-6.339	2
8	MP1B	Z	-10.98	2
9	MP1B	Mx	.004	2
10	MP1B	X	-6.339	4
11	MP1B	Z	-10.98	4
12	MP1B	Mx	.004	4
13	MP1C	X	-4.232	2
14	MP1C	Z	-7.33	2
15	MP1C	Mx	-.004	2
16	MP1C	X	-4.232	4
17	MP1C	Z	-7.33	4
18	MP1C	Mx	-.004	4
19	MP3A	X	-14.29	.5
20	MP3A	Z	-24.752	.5
21	MP3A	Mx	-.014	.5
22	MP3A	X	-14.29	6.5
23	MP3A	Z	-24.752	6.5
24	MP3A	Mx	-.014	6.5
25	MP3B	X	-12.421	.5
26	MP3B	Z	-21.514	.5
27	MP3B	Mx	-.002	.5
28	MP3B	X	-12.421	6.5
29	MP3B	Z	-21.514	6.5
30	MP3B	Mx	-.002	6.5
31	MP3C	X	-10.552	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
32	MP3C	Z	-18.277	.5
33	MP3C	Mx	-.007	.5
34	MP3C	X	-10.552	6.5
35	MP3C	Z	-18.277	6.5
36	MP3C	Mx	-.007	6.5
37	MP3A	X	-14.29	.5
38	MP3A	Z	-24.752	.5
39	MP3A	Mx	.021	.5
40	MP3A	X	-14.29	6.5
41	MP3A	Z	-24.752	6.5
42	MP3A	Mx	.021	6.5
43	MP3B	X	-12.421	.5
44	MP3B	Z	-21.514	.5
45	MP3B	Mx	.02	.5
46	MP3B	X	-12.421	6.5
47	MP3B	Z	-21.514	6.5
48	MP3B	Mx	.02	6.5
49	MP3C	X	-10.552	.5
50	MP3C	Z	-18.277	.5
51	MP3C	Mx	-.014	.5
52	MP3C	X	-10.552	6.5
53	MP3C	Z	-18.277	6.5
54	MP3C	Mx	-.014	6.5
55	MP4A	X	-6.854	1
56	MP4A	Z	-11.872	1
57	MP4A	Mx	.002	1
58	MP4A	X	-6.854	5
59	MP4A	Z	-11.872	5
60	MP4A	Mx	.002	5
61	MP4B	X	-6.308	1
62	MP4B	Z	-10.925	1
63	MP4B	Mx	.004	1
64	MP4B	X	-6.308	5
65	MP4B	Z	-10.925	5
66	MP4B	Mx	.004	5
67	MP4C	X	-5.761	1
68	MP4C	Z	-9.978	1
69	MP4C	Mx	-.006	1
70	MP4C	X	-5.761	5
71	MP4C	Z	-9.978	5
72	MP4C	Mx	-.006	5
73	MP3A	X	-7.437	1
74	MP3A	Z	-12.881	1
75	MP3A	Mx	.002	1
76	MP3B	X	-6.484	1
77	MP3B	Z	-11.231	1
78	MP3B	Mx	.005	1
79	MP3C	X	-5.532	1
80	MP3C	Z	-9.581	1
81	MP3C	Mx	-.005	1
82	MP3A	X	-7.381	3
83	MP3A	Z	-12.784	3
84	MP3A	Mx	.002	3
85	MP3B	X	-6.066	3
86	MP3B	Z	-10.507	3
87	MP3B	Mx	.004	3
88	MP3C	X	-4.752	3
89	MP3C	Z	-8.23	3
90	MP3C	Mx	-.005	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
91	OVP	X	-13.97	1
92	OVP	Z	-24.197	1
93	OVP	Mx	-.013	1
94	OVP	X	-13.97	1
95	OVP	Z	-24.197	1
96	OVP	Mx	.013	1
97	MP4C	X	-2.071	3.5
98	MP4C	Z	-3.586	3.5
99	MP4C	Mx	.004	3.5
100	MP4C	X	-2.071	4.5
101	MP4C	Z	-3.586	4.5
102	MP4C	Mx	.004	4.5
103	MP4C	X	-2.071	3.5
104	MP4C	Z	-3.586	3.5
105	MP4C	Mx	.004	3.5
106	MP4C	X	-2.071	4.5
107	MP4C	Z	-3.586	4.5
108	MP4C	Mx	.004	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	0	2
2	MP1A	Z	-4.19	2
3	MP1A	Mx	-.000542	2
4	MP1A	X	0	4
5	MP1A	Z	-4.19	4
6	MP1A	Mx	-.000542	4
7	MP1B	X	0	2
8	MP1B	Z	-1.702	2
9	MP1B	Mx	.000822	2
10	MP1B	X	0	4
11	MP1B	Z	-1.702	4
12	MP1B	Mx	.000822	4
13	MP1C	X	0	2
14	MP1C	Z	-2.946	2
15	MP1C	Mx	-.001	2
16	MP1C	X	0	4
17	MP1C	Z	-2.946	4
18	MP1C	Mx	-.001	4
19	MP3A	X	0	.5
20	MP3A	Z	-5.839	.5
21	MP3A	Mx	-.004	.5
22	MP3A	X	0	6.5
23	MP3A	Z	-5.839	6.5
24	MP3A	Mx	-.004	6.5
25	MP3B	X	0	.5
26	MP3B	Z	-2.837	.5
27	MP3B	Mx	.000911	.5
28	MP3B	X	0	6.5
29	MP3B	Z	-2.837	6.5
30	MP3B	Mx	.000911	6.5
31	MP3C	X	0	.5
32	MP3C	Z	-4.338	.5
33	MP3C	Mx	.000383	.5
34	MP3C	X	0	6.5
35	MP3C	Z	-4.338	6.5
36	MP3C	Mx	.000383	6.5
37	MP3A	X	0	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
38	MP3A	Z	-5.839	.5
39	MP3A	Mx	.003	.5
40	MP3A	X	0	6.5
41	MP3A	Z	-5.839	6.5
42	MP3A	Mx	.003	6.5
43	MP3B	X	0	.5
44	MP3B	Z	-2.837	.5
45	MP3B	Mx	.002	.5
46	MP3B	X	0	6.5
47	MP3B	Z	-2.837	6.5
48	MP3B	Mx	.002	6.5
49	MP3C	X	0	.5
50	MP3C	Z	-4.338	.5
51	MP3C	Mx	-.003	.5
52	MP3C	X	0	6.5
53	MP3C	Z	-4.338	6.5
54	MP3C	Mx	-.003	6.5
55	MP4A	X	0	1
56	MP4A	Z	-3.923	1
57	MP4A	Mx	-.000508	1
58	MP4A	X	0	5
59	MP4A	Z	-3.923	5
60	MP4A	Mx	-.000508	5
61	MP4B	X	0	1
62	MP4B	Z	-3.18	1
63	MP4B	Mx	.002	1
64	MP4B	X	0	5
65	MP4B	Z	-3.18	5
66	MP4B	Mx	.002	5
67	MP4C	X	0	1
68	MP4C	Z	-3.551	1
69	MP4C	Mx	-.001	1
70	MP4C	X	0	5
71	MP4C	Z	-3.551	5
72	MP4C	Mx	-.001	5
73	MP3A	X	0	1
74	MP3A	Z	-3.378	1
75	MP3A	Mx	-.000437	1
76	MP3B	X	0	1
77	MP3B	Z	-2.394	1
78	MP3B	Mx	.001	1
79	MP3C	X	0	1
80	MP3C	Z	-2.886	1
81	MP3C	Mx	-.001	1
82	MP3A	X	0	3
83	MP3A	Z	-3.35	3
84	MP3A	Mx	-.000434	3
85	MP3B	X	0	3
86	MP3B	Z	-1.999	3
87	MP3B	Mx	.000965	3
88	MP3C	X	0	3
89	MP3C	Z	-2.674	3
90	MP3C	Mx	-.000945	3
91	OVP	X	0	1
92	OVP	Z	-6.217	1
93	OVP	Mx	-.002	1
94	OVP	X	0	1
95	OVP	Z	-6.217	1
96	OVP	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
97	MP4C	X	0	3.5
98	MP4C	Z	-1.071	3.5
99	MP4C	Mx	.001	3.5
100	MP4C	X	0	4.5
101	MP4C	Z	-1.071	4.5
102	MP4C	Mx	.001	4.5
103	MP4C	X	0	3.5
104	MP4C	Z	-1.071	3.5
105	MP4C	Mx	.000505	3.5
106	MP4C	X	0	4.5
107	MP4C	Z	-1.071	4.5
108	MP4C	Mx	.000505	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	1.473	2
2	MP1A	Z	-2.551	2
3	MP1A	Mx	-.001	2
4	MP1A	X	1.473	4
5	MP1A	Z	-2.551	4
6	MP1A	Mx	-.001	4
7	MP1B	X	.851	2
8	MP1B	Z	-1.474	2
9	MP1B	Mx	.000822	2
10	MP1B	X	.851	4
11	MP1B	Z	-1.474	4
12	MP1B	Mx	.000822	4
13	MP1C	X	2.095	2
14	MP1C	Z	-3.629	2
15	MP1C	Mx	-.000542	2
16	MP1C	X	2.095	4
17	MP1C	Z	-3.629	4
18	MP1C	Mx	-.000542	4
19	MP3A	X	2.169	.5
20	MP3A	Z	-3.757	.5
21	MP3A	Mx	-.003	.5
22	MP3A	X	2.169	6.5
23	MP3A	Z	-3.757	6.5
24	MP3A	Mx	-.003	6.5
25	MP3B	X	1.419	.5
26	MP3B	Z	-2.457	.5
27	MP3B	Mx	.002	.5
28	MP3B	X	1.419	6.5
29	MP3B	Z	-2.457	6.5
30	MP3B	Mx	.002	6.5
31	MP3C	X	2.919	.5
32	MP3C	Z	-5.056	.5
33	MP3C	Mx	.003	.5
34	MP3C	X	2.919	6.5
35	MP3C	Z	-5.056	6.5
36	MP3C	Mx	.003	6.5
37	MP3A	X	2.169	.5
38	MP3A	Z	-3.757	.5
39	MP3A	Mx	.000384	.5
40	MP3A	X	2.169	6.5
41	MP3A	Z	-3.757	6.5
42	MP3A	Mx	.000384	6.5
43	MP3B	X	1.419	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
44	MP3B	Z	-2.457	.5
45	MP3B	Mx	.000911	.5
46	MP3B	X	1.419	6.5
47	MP3B	Z	-2.457	6.5
48	MP3B	Mx	.000911	6.5
49	MP3C	X	2.919	.5
50	MP3C	Z	-5.056	.5
51	MP3C	Mx	-.004	.5
52	MP3C	X	2.919	6.5
53	MP3C	Z	-5.056	6.5
54	MP3C	Mx	-.004	6.5
55	MP4A	X	1.776	1
56	MP4A	Z	-3.075	1
57	MP4A	Mx	-.001	1
58	MP4A	X	1.776	5
59	MP4A	Z	-3.075	5
60	MP4A	Mx	-.001	5
61	MP4B	X	1.59	1
62	MP4B	Z	-2.754	1
63	MP4B	Mx	.002	1
64	MP4B	X	1.59	5
65	MP4B	Z	-2.754	5
66	MP4B	Mx	.002	5
67	MP4C	X	1.961	1
68	MP4C	Z	-3.397	1
69	MP4C	Mx	-.000508	1
70	MP4C	X	1.961	5
71	MP4C	Z	-3.397	5
72	MP4C	Mx	-.000508	5
73	MP3A	X	1.443	1
74	MP3A	Z	-2.499	1
75	MP3A	Mx	-.001	1
76	MP3B	X	1.197	1
77	MP3B	Z	-2.073	1
78	MP3B	Mx	.001	1
79	MP3C	X	1.689	1
80	MP3C	Z	-2.925	1
81	MP3C	Mx	-.000437	1
82	MP3A	X	1.337	3
83	MP3A	Z	-2.316	3
84	MP3A	Mx	-.000945	3
85	MP3B	X	.999	3
86	MP3B	Z	-1.731	3
87	MP3B	Mx	.000965	3
88	MP3C	X	1.675	3
89	MP3C	Z	-2.901	3
90	MP3C	Mx	-.000433	3
91	OVP	X	3.475	1
92	OVP	Z	-6.019	1
93	OVP	Mx	-.000899	1
94	OVP	X	3.475	1
95	OVP	Z	-6.019	1
96	OVP	Mx	.000899	1
97	MP4C	X	.535	3.5
98	MP4C	Z	-.927	3.5
99	MP4C	Mx	.000622	3.5
100	MP4C	X	.535	4.5
101	MP4C	Z	-.927	4.5
102	MP4C	Mx	.000622	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
103	MP4C	X	.535	3.5
104	MP4C	Z	-.927	3.5
105	MP4C	Mx	-6.7e-5	3.5
106	MP4C	X	.535	4.5
107	MP4C	Z	-.927	4.5
108	MP4C	Mx	-6.7e-5	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	1.474	2
2	MP1A	Z	-.851	2
3	MP1A	Mx	-.000822	2
4	MP1A	X	1.474	4
5	MP1A	Z	-.851	4
6	MP1A	Mx	-.000822	4
7	MP1B	X	2.551	2
8	MP1B	Z	-1.473	2
9	MP1B	Mx	.001	2
10	MP1B	X	2.551	4
11	MP1B	Z	-1.473	4
12	MP1B	Mx	.001	4
13	MP1C	X	3.629	2
14	MP1C	Z	-2.095	2
15	MP1C	Mx	.000542	2
16	MP1C	X	3.629	4
17	MP1C	Z	-2.095	4
18	MP1C	Mx	.000542	4
19	MP3A	X	2.457	.5
20	MP3A	Z	-1.419	.5
21	MP3A	Mx	-.002	.5
22	MP3A	X	2.457	6.5
23	MP3A	Z	-1.419	6.5
24	MP3A	Mx	-.002	6.5
25	MP3B	X	3.757	.5
26	MP3B	Z	-2.169	.5
27	MP3B	Mx	.003	.5
28	MP3B	X	3.757	6.5
29	MP3B	Z	-2.169	6.5
30	MP3B	Mx	.003	6.5
31	MP3C	X	5.056	.5
32	MP3C	Z	-2.919	.5
33	MP3C	Mx	.004	.5
34	MP3C	X	5.056	6.5
35	MP3C	Z	-2.919	6.5
36	MP3C	Mx	.004	6.5
37	MP3A	X	2.457	.5
38	MP3A	Z	-1.419	.5
39	MP3A	Mx	-.000911	.5
40	MP3A	X	2.457	6.5
41	MP3A	Z	-1.419	6.5
42	MP3A	Mx	-.000911	6.5
43	MP3B	X	3.757	.5
44	MP3B	Z	-2.169	.5
45	MP3B	Mx	-.000384	.5
46	MP3B	X	3.757	6.5
47	MP3B	Z	-2.169	6.5
48	MP3B	Mx	-.000384	6.5
49	MP3C	X	5.056	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
50	MP3C	Z	-2.919	.5
51	MP3C	Mx	-.003	.5
52	MP3C	X	5.056	6.5
53	MP3C	Z	-2.919	6.5
54	MP3C	Mx	-.003	6.5
55	MP4A	X	2.754	1
56	MP4A	Z	-1.59	1
57	MP4A	Mx	-.002	1
58	MP4A	X	2.754	5
59	MP4A	Z	-1.59	5
60	MP4A	Mx	-.002	5
61	MP4B	X	3.075	1
62	MP4B	Z	-1.776	1
63	MP4B	Mx	.001	1
64	MP4B	X	3.075	5
65	MP4B	Z	-1.776	5
66	MP4B	Mx	.001	5
67	MP4C	X	3.397	1
68	MP4C	Z	-1.961	1
69	MP4C	Mx	.000508	1
70	MP4C	X	3.397	5
71	MP4C	Z	-1.961	5
72	MP4C	Mx	.000508	5
73	MP3A	X	2.073	1
74	MP3A	Z	-1.197	1
75	MP3A	Mx	-.001	1
76	MP3B	X	2.499	1
77	MP3B	Z	-1.443	1
78	MP3B	Mx	.001	1
79	MP3C	X	2.925	1
80	MP3C	Z	-1.689	1
81	MP3C	Mx	.000437	1
82	MP3A	X	1.731	3
83	MP3A	Z	-.999	3
84	MP3A	Mx	-.000965	3
85	MP3B	X	2.316	3
86	MP3B	Z	-1.337	3
87	MP3B	Mx	.000945	3
88	MP3C	X	2.901	3
89	MP3C	Z	-1.675	3
90	MP3C	Mx	.000433	3
91	OVP	X	6.019	1
92	OVP	Z	-3.475	1
93	OVP	Mx	.000899	1
94	OVP	X	6.019	1
95	OVP	Z	-3.475	1
96	OVP	Mx	-.000899	1
97	MP4C	X	.927	3.5
98	MP4C	Z	-.535	3.5
99	MP4C	Mx	6.7e-5	3.5
100	MP4C	X	.927	4.5
101	MP4C	Z	-.535	4.5
102	MP4C	Mx	6.7e-5	4.5
103	MP4C	X	.927	3.5
104	MP4C	Z	-.535	3.5
105	MP4C	Mx	-.000622	3.5
106	MP4C	X	.927	4.5
107	MP4C	Z	-.535	4.5
108	MP4C	Mx	-.000622	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	1.702	2
2	MP1A	Z	0	2
3	MP1A	Mx	-.000822	2
4	MP1A	X	1.702	4
5	MP1A	Z	0	4
6	MP1A	Mx	-.000822	4
7	MP1B	X	4.19	2
8	MP1B	Z	0	2
9	MP1B	Mx	.000542	2
10	MP1B	X	4.19	4
11	MP1B	Z	0	4
12	MP1B	Mx	.000542	4
13	MP1C	X	2.946	2
14	MP1C	Z	0	2
15	MP1C	Mx	.001	2
16	MP1C	X	2.946	4
17	MP1C	Z	0	4
18	MP1C	Mx	.001	4
19	MP3A	X	2.837	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.000911	.5
22	MP3A	X	2.837	6.5
23	MP3A	Z	0	6.5
24	MP3A	Mx	-.000911	6.5
25	MP3B	X	5.839	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.004	.5
28	MP3B	X	5.839	6.5
29	MP3B	Z	0	6.5
30	MP3B	Mx	.004	6.5
31	MP3C	X	4.338	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.003	.5
34	MP3C	X	4.338	6.5
35	MP3C	Z	0	6.5
36	MP3C	Mx	.003	6.5
37	MP3A	X	2.837	.5
38	MP3A	Z	0	.5
39	MP3A	Mx	-.002	.5
40	MP3A	X	2.837	6.5
41	MP3A	Z	0	6.5
42	MP3A	Mx	-.002	6.5
43	MP3B	X	5.839	.5
44	MP3B	Z	0	.5
45	MP3B	Mx	-.003	.5
46	MP3B	X	5.839	6.5
47	MP3B	Z	0	6.5
48	MP3B	Mx	-.003	6.5
49	MP3C	X	4.338	.5
50	MP3C	Z	0	.5
51	MP3C	Mx	-.000383	.5
52	MP3C	X	4.338	6.5
53	MP3C	Z	0	6.5
54	MP3C	Mx	-.000383	6.5
55	MP4A	X	3.18	1
56	MP4A	Z	0	1
57	MP4A	Mx	-.002	1
58	MP4A	X	3.18	5
59	MP4A	Z	0	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
60	MP4A	Mx	-.002	5
61	MP4B	X	3.923	1
62	MP4B	Z	0	1
63	MP4B	Mx	.000508	1
64	MP4B	X	3.923	5
65	MP4B	Z	0	5
66	MP4B	Mx	.000508	5
67	MP4C	X	3.551	1
68	MP4C	Z	0	1
69	MP4C	Mx	.001	1
70	MP4C	X	3.551	5
71	MP4C	Z	0	5
72	MP4C	Mx	.001	5
73	MP3A	X	2.394	1
74	MP3A	Z	0	1
75	MP3A	Mx	-.001	1
76	MP3B	X	3.378	1
77	MP3B	Z	0	1
78	MP3B	Mx	.000437	1
79	MP3C	X	2.886	1
80	MP3C	Z	0	1
81	MP3C	Mx	.001	1
82	MP3A	X	1.999	3
83	MP3A	Z	0	3
84	MP3A	Mx	-.000965	3
85	MP3B	X	3.35	3
86	MP3B	Z	0	3
87	MP3B	Mx	.000434	3
88	MP3C	X	2.674	3
89	MP3C	Z	0	3
90	MP3C	Mx	.000945	3
91	OVP	X	6.217	1
92	OVP	Z	0	1
93	OVP	Mx	.002	1
94	OVP	X	6.217	1
95	OVP	Z	0	1
96	OVP	Mx	-.002	1
97	MP4C	X	1.071	3.5
98	MP4C	Z	0	3.5
99	MP4C	Mx	-.000505	3.5
100	MP4C	X	1.071	4.5
101	MP4C	Z	0	4.5
102	MP4C	Mx	-.000505	4.5
103	MP4C	X	1.071	3.5
104	MP4C	Z	0	3.5
105	MP4C	Mx	-.001	3.5
106	MP4C	X	1.071	4.5
107	MP4C	Z	0	4.5
108	MP4C	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	2.551	2
2	MP1A	Z	1.473	2
3	MP1A	Mx	-.001	2
4	MP1A	X	2.551	4
5	MP1A	Z	1.473	4
6	MP1A	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
7	MP1B	X	3.629	2
8	MP1B	Z	2.095	2
9	MP1B	Mx	-.000542	2
10	MP1B	X	3.629	4
11	MP1B	Z	2.095	4
12	MP1B	Mx	-.000542	4
13	MP1C	X	1.474	2
14	MP1C	Z	.851	2
15	MP1C	Mx	.000822	2
16	MP1C	X	1.474	4
17	MP1C	Z	.851	4
18	MP1C	Mx	.000822	4
19	MP3A	X	3.757	.5
20	MP3A	Z	2.169	.5
21	MP3A	Mx	.000383	.5
22	MP3A	X	3.757	6.5
23	MP3A	Z	2.169	6.5
24	MP3A	Mx	.000383	6.5
25	MP3B	X	5.056	.5
26	MP3B	Z	2.919	.5
27	MP3B	Mx	.003	.5
28	MP3B	X	5.056	6.5
29	MP3B	Z	2.919	6.5
30	MP3B	Mx	.003	6.5
31	MP3C	X	2.457	.5
32	MP3C	Z	1.419	.5
33	MP3C	Mx	.002	.5
34	MP3C	X	2.457	6.5
35	MP3C	Z	1.419	6.5
36	MP3C	Mx	.002	6.5
37	MP3A	X	3.757	.5
38	MP3A	Z	2.169	.5
39	MP3A	Mx	-.003	.5
40	MP3A	X	3.757	6.5
41	MP3A	Z	2.169	6.5
42	MP3A	Mx	-.003	6.5
43	MP3B	X	5.056	.5
44	MP3B	Z	2.919	.5
45	MP3B	Mx	-.004	.5
46	MP3B	X	5.056	6.5
47	MP3B	Z	2.919	6.5
48	MP3B	Mx	-.004	6.5
49	MP3C	X	2.457	.5
50	MP3C	Z	1.419	.5
51	MP3C	Mx	.000912	.5
52	MP3C	X	2.457	6.5
53	MP3C	Z	1.419	6.5
54	MP3C	Mx	.000912	6.5
55	MP4A	X	3.075	1
56	MP4A	Z	1.776	1
57	MP4A	Mx	-.001	1
58	MP4A	X	3.075	5
59	MP4A	Z	1.776	5
60	MP4A	Mx	-.001	5
61	MP4B	X	3.397	1
62	MP4B	Z	1.961	1
63	MP4B	Mx	-.000507	1
64	MP4B	X	3.397	5
65	MP4B	Z	1.961	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
66	MP4B	Mx	-.000507	5
67	MP4C	X	2.754	1
68	MP4C	Z	1.59	1
69	MP4C	Mx	.002	1
70	MP4C	X	2.754	5
71	MP4C	Z	1.59	5
72	MP4C	Mx	.002	5
73	MP3A	X	2.499	1
74	MP3A	Z	1.443	1
75	MP3A	Mx	-.001	1
76	MP3B	X	2.925	1
77	MP3B	Z	1.689	1
78	MP3B	Mx	-.000437	1
79	MP3C	X	2.073	1
80	MP3C	Z	1.197	1
81	MP3C	Mx	.001	1
82	MP3A	X	2.316	3
83	MP3A	Z	1.337	3
84	MP3A	Mx	-.000946	3
85	MP3B	X	2.901	3
86	MP3B	Z	1.675	3
87	MP3B	Mx	-.000434	3
88	MP3C	X	1.731	3
89	MP3C	Z	.999	3
90	MP3C	Mx	.000965	3
91	OVP	X	4.749	1
92	OVP	Z	2.742	1
93	OVP	Mx	.003	1
94	OVP	X	4.749	1
95	OVP	Z	2.742	1
96	OVP	Mx	-.003	1
97	MP4C	X	.929	3.5
98	MP4C	Z	.536	3.5
99	MP4C	Mx	-.000943	3.5
100	MP4C	X	.929	4.5
101	MP4C	Z	.536	4.5
102	MP4C	Mx	-.000943	4.5
103	MP4C	X	.929	3.5
104	MP4C	Z	.536	3.5
105	MP4C	Mx	-.001	3.5
106	MP4C	X	.929	4.5
107	MP4C	Z	.536	4.5
108	MP4C	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	2.095	2
2	MP1A	Z	3.629	2
3	MP1A	Mx	-.000542	2
4	MP1A	X	2.095	4
5	MP1A	Z	3.629	4
6	MP1A	Mx	-.000542	4
7	MP1B	X	1.473	2
8	MP1B	Z	2.551	2
9	MP1B	Mx	-.001	2
10	MP1B	X	1.473	4
11	MP1B	Z	2.551	4
12	MP1B	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
13	MP1C	X	.851	2
14	MP1C	Z	1.474	2
15	MP1C	Mx	.000822	2
16	MP1C	X	.851	4
17	MP1C	Z	1.474	4
18	MP1C	Mx	.000822	4
19	MP3A	X	2.919	.5
20	MP3A	Z	5.056	.5
21	MP3A	Mx	.003	.5
22	MP3A	X	2.919	6.5
23	MP3A	Z	5.056	6.5
24	MP3A	Mx	.003	6.5
25	MP3B	X	2.169	.5
26	MP3B	Z	3.757	.5
27	MP3B	Mx	.000383	.5
28	MP3B	X	2.169	6.5
29	MP3B	Z	3.757	6.5
30	MP3B	Mx	.000383	6.5
31	MP3C	X	1.419	.5
32	MP3C	Z	2.457	.5
33	MP3C	Mx	.000912	.5
34	MP3C	X	1.419	6.5
35	MP3C	Z	2.457	6.5
36	MP3C	Mx	.000912	6.5
37	MP3A	X	2.919	.5
38	MP3A	Z	5.056	.5
39	MP3A	Mx	-.004	.5
40	MP3A	X	2.919	6.5
41	MP3A	Z	5.056	6.5
42	MP3A	Mx	-.004	6.5
43	MP3B	X	2.169	.5
44	MP3B	Z	3.757	.5
45	MP3B	Mx	-.003	.5
46	MP3B	X	2.169	6.5
47	MP3B	Z	3.757	6.5
48	MP3B	Mx	-.003	6.5
49	MP3C	X	1.419	.5
50	MP3C	Z	2.457	.5
51	MP3C	Mx	.002	.5
52	MP3C	X	1.419	6.5
53	MP3C	Z	2.457	6.5
54	MP3C	Mx	.002	6.5
55	MP4A	X	1.961	1
56	MP4A	Z	3.397	1
57	MP4A	Mx	-.000507	1
58	MP4A	X	1.961	5
59	MP4A	Z	3.397	5
60	MP4A	Mx	-.000507	5
61	MP4B	X	1.776	1
62	MP4B	Z	3.075	1
63	MP4B	Mx	-.001	1
64	MP4B	X	1.776	5
65	MP4B	Z	3.075	5
66	MP4B	Mx	-.001	5
67	MP4C	X	1.59	1
68	MP4C	Z	2.754	1
69	MP4C	Mx	.002	1
70	MP4C	X	1.59	5
71	MP4C	Z	2.754	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
72	MP4C	Mx	.002	5
73	MP3A	X	1.689	1
74	MP3A	Z	2.925	1
75	MP3A	Mx	-.000437	1
76	MP3B	X	1.443	1
77	MP3B	Z	2.499	1
78	MP3B	Mx	-.001	1
79	MP3C	X	1.197	1
80	MP3C	Z	2.073	1
81	MP3C	Mx	.001	1
82	MP3A	X	1.675	3
83	MP3A	Z	2.901	3
84	MP3A	Mx	-.000434	3
85	MP3B	X	1.337	3
86	MP3B	Z	2.316	3
87	MP3B	Mx	-.000946	3
88	MP3C	X	.999	3
89	MP3C	Z	1.731	3
90	MP3C	Mx	.000965	3
91	OVP	X	2.742	1
92	OVP	Z	4.749	1
93	OVP	Mx	.003	1
94	OVP	X	2.742	1
95	OVP	Z	4.749	1
96	OVP	Mx	-.003	1
97	MP4C	X	.536	3.5
98	MP4C	Z	.929	3.5
99	MP4C	Mx	-.001	3.5
100	MP4C	X	.536	4.5
101	MP4C	Z	.929	4.5
102	MP4C	Mx	-.001	4.5
103	MP4C	X	.536	3.5
104	MP4C	Z	.929	3.5
105	MP4C	Mx	-.000943	3.5
106	MP4C	X	.536	4.5
107	MP4C	Z	.929	4.5
108	MP4C	Mx	-.000943	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	0	2
2	MP1A	Z	4.19	2
3	MP1A	Mx	.000542	2
4	MP1A	X	0	4
5	MP1A	Z	4.19	4
6	MP1A	Mx	.000542	4
7	MP1B	X	0	2
8	MP1B	Z	1.702	2
9	MP1B	Mx	-.000822	2
10	MP1B	X	0	4
11	MP1B	Z	1.702	4
12	MP1B	Mx	-.000822	4
13	MP1C	X	0	2
14	MP1C	Z	2.946	2
15	MP1C	Mx	.001	2
16	MP1C	X	0	4
17	MP1C	Z	2.946	4
18	MP1C	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
19	MP3A	X	0	.5
20	MP3A	Z	5.839	.5
21	MP3A	Mx	.004	.5
22	MP3A	X	0	6.5
23	MP3A	Z	5.839	6.5
24	MP3A	Mx	.004	6.5
25	MP3B	X	0	.5
26	MP3B	Z	2.837	.5
27	MP3B	Mx	-.000911	.5
28	MP3B	X	0	6.5
29	MP3B	Z	2.837	6.5
30	MP3B	Mx	-.000911	6.5
31	MP3C	X	0	.5
32	MP3C	Z	4.338	.5
33	MP3C	Mx	-.000383	.5
34	MP3C	X	0	6.5
35	MP3C	Z	4.338	6.5
36	MP3C	Mx	-.000383	6.5
37	MP3A	X	0	.5
38	MP3A	Z	5.839	.5
39	MP3A	Mx	-.003	.5
40	MP3A	X	0	6.5
41	MP3A	Z	5.839	6.5
42	MP3A	Mx	-.003	6.5
43	MP3B	X	0	.5
44	MP3B	Z	2.837	.5
45	MP3B	Mx	-.002	.5
46	MP3B	X	0	6.5
47	MP3B	Z	2.837	6.5
48	MP3B	Mx	-.002	6.5
49	MP3C	X	0	.5
50	MP3C	Z	4.338	.5
51	MP3C	Mx	.003	.5
52	MP3C	X	0	6.5
53	MP3C	Z	4.338	6.5
54	MP3C	Mx	.003	6.5
55	MP4A	X	0	1
56	MP4A	Z	3.923	1
57	MP4A	Mx	.000508	1
58	MP4A	X	0	5
59	MP4A	Z	3.923	5
60	MP4A	Mx	.000508	5
61	MP4B	X	0	1
62	MP4B	Z	3.18	1
63	MP4B	Mx	-.002	1
64	MP4B	X	0	5
65	MP4B	Z	3.18	5
66	MP4B	Mx	-.002	5
67	MP4C	X	0	1
68	MP4C	Z	3.551	1
69	MP4C	Mx	.001	1
70	MP4C	X	0	5
71	MP4C	Z	3.551	5
72	MP4C	Mx	.001	5
73	MP3A	X	0	1
74	MP3A	Z	3.378	1
75	MP3A	Mx	.000437	1
76	MP3B	X	0	1
77	MP3B	Z	2.394	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
78	MP3B	Mx	-.001	1
79	MP3C	X	0	1
80	MP3C	Z	2.886	1
81	MP3C	Mx	.001	1
82	MP3A	X	0	3
83	MP3A	Z	3.35	3
84	MP3A	Mx	.000434	3
85	MP3B	X	0	3
86	MP3B	Z	1.999	3
87	MP3B	Mx	-.000965	3
88	MP3C	X	0	3
89	MP3C	Z	2.674	3
90	MP3C	Mx	.000945	3
91	OVP	X	0	1
92	OVP	Z	6.217	1
93	OVP	Mx	.002	1
94	OVP	X	0	1
95	OVP	Z	6.217	1
96	OVP	Mx	-.002	1
97	MP4C	X	0	3.5
98	MP4C	Z	1.071	3.5
99	MP4C	Mx	-.001	3.5
100	MP4C	X	0	4.5
101	MP4C	Z	1.071	4.5
102	MP4C	Mx	-.001	4.5
103	MP4C	X	0	3.5
104	MP4C	Z	1.071	3.5
105	MP4C	Mx	-.000505	3.5
106	MP4C	X	0	4.5
107	MP4C	Z	1.071	4.5
108	MP4C	Mx	-.000505	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-1.473	2
2	MP1A	Z	2.551	2
3	MP1A	Mx	.001	2
4	MP1A	X	-1.473	4
5	MP1A	Z	2.551	4
6	MP1A	Mx	.001	4
7	MP1B	X	-.851	2
8	MP1B	Z	1.474	2
9	MP1B	Mx	-.000822	2
10	MP1B	X	-.851	4
11	MP1B	Z	1.474	4
12	MP1B	Mx	-.000822	4
13	MP1C	X	-2.095	2
14	MP1C	Z	3.629	2
15	MP1C	Mx	.000542	2
16	MP1C	X	-2.095	4
17	MP1C	Z	3.629	4
18	MP1C	Mx	.000542	4
19	MP3A	X	-2.169	.5
20	MP3A	Z	3.757	.5
21	MP3A	Mx	.003	.5
22	MP3A	X	-2.169	6.5
23	MP3A	Z	3.757	6.5
24	MP3A	Mx	.003	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
25	MP3B	X	-1.419	.5
26	MP3B	Z	2.457	.5
27	MP3B	Mx	-.002	.5
28	MP3B	X	-1.419	6.5
29	MP3B	Z	2.457	6.5
30	MP3B	Mx	-.002	6.5
31	MP3C	X	-2.919	.5
32	MP3C	Z	5.056	.5
33	MP3C	Mx	-.003	.5
34	MP3C	X	-2.919	6.5
35	MP3C	Z	5.056	6.5
36	MP3C	Mx	-.003	6.5
37	MP3A	X	-2.169	.5
38	MP3A	Z	3.757	.5
39	MP3A	Mx	-.000384	.5
40	MP3A	X	-2.169	6.5
41	MP3A	Z	3.757	6.5
42	MP3A	Mx	-.000384	6.5
43	MP3B	X	-1.419	.5
44	MP3B	Z	2.457	.5
45	MP3B	Mx	-.000911	.5
46	MP3B	X	-1.419	6.5
47	MP3B	Z	2.457	6.5
48	MP3B	Mx	-.000911	6.5
49	MP3C	X	-2.919	.5
50	MP3C	Z	5.056	.5
51	MP3C	Mx	.004	.5
52	MP3C	X	-2.919	6.5
53	MP3C	Z	5.056	6.5
54	MP3C	Mx	.004	6.5
55	MP4A	X	-1.776	1
56	MP4A	Z	3.075	1
57	MP4A	Mx	.001	1
58	MP4A	X	-1.776	5
59	MP4A	Z	3.075	5
60	MP4A	Mx	.001	5
61	MP4B	X	-1.59	1
62	MP4B	Z	2.754	1
63	MP4B	Mx	-.002	1
64	MP4B	X	-1.59	5
65	MP4B	Z	2.754	5
66	MP4B	Mx	-.002	5
67	MP4C	X	-1.961	1
68	MP4C	Z	3.397	1
69	MP4C	Mx	.000508	1
70	MP4C	X	-1.961	5
71	MP4C	Z	3.397	5
72	MP4C	Mx	.000508	5
73	MP3A	X	-1.443	1
74	MP3A	Z	2.499	1
75	MP3A	Mx	.001	1
76	MP3B	X	-1.197	1
77	MP3B	Z	2.073	1
78	MP3B	Mx	-.001	1
79	MP3C	X	-1.689	1
80	MP3C	Z	2.925	1
81	MP3C	Mx	.000437	1
82	MP3A	X	-1.337	3
83	MP3A	Z	2.316	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
84	MP3A	Mx	.000945	3
85	MP3B	X	-.999	3
86	MP3B	Z	1.731	3
87	MP3B	Mx	-.000965	3
88	MP3C	X	-1.675	3
89	MP3C	Z	2.901	3
90	MP3C	Mx	.000433	3
91	OVP	X	-3.475	1
92	OVP	Z	6.019	1
93	OVP	Mx	.000899	1
94	OVP	X	-3.475	1
95	OVP	Z	6.019	1
96	OVP	Mx	-.000899	1
97	MP4C	X	-.535	3.5
98	MP4C	Z	.927	3.5
99	MP4C	Mx	-.000622	3.5
100	MP4C	X	-.535	4.5
101	MP4C	Z	.927	4.5
102	MP4C	Mx	-.000622	4.5
103	MP4C	X	-.535	3.5
104	MP4C	Z	.927	3.5
105	MP4C	Mx	6.7e-5	3.5
106	MP4C	X	-.535	4.5
107	MP4C	Z	.927	4.5
108	MP4C	Mx	6.7e-5	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-1.474	2
2	MP1A	Z	.851	2
3	MP1A	Mx	.000822	2
4	MP1A	X	-1.474	4
5	MP1A	Z	.851	4
6	MP1A	Mx	.000822	4
7	MP1B	X	-2.551	2
8	MP1B	Z	1.473	2
9	MP1B	Mx	-.001	2
10	MP1B	X	-2.551	4
11	MP1B	Z	1.473	4
12	MP1B	Mx	-.001	4
13	MP1C	X	-3.629	2
14	MP1C	Z	2.095	2
15	MP1C	Mx	-.000542	2
16	MP1C	X	-3.629	4
17	MP1C	Z	2.095	4
18	MP1C	Mx	-.000542	4
19	MP3A	X	-2.457	.5
20	MP3A	Z	1.419	.5
21	MP3A	Mx	.002	.5
22	MP3A	X	-2.457	6.5
23	MP3A	Z	1.419	6.5
24	MP3A	Mx	.002	6.5
25	MP3B	X	-3.757	.5
26	MP3B	Z	2.169	.5
27	MP3B	Mx	-.003	.5
28	MP3B	X	-3.757	6.5
29	MP3B	Z	2.169	6.5
30	MP3B	Mx	-.003	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
31	MP3C	X	-5.056	.5
32	MP3C	Z	2.919	.5
33	MP3C	Mx	-.004	.5
34	MP3C	X	-5.056	6.5
35	MP3C	Z	2.919	6.5
36	MP3C	Mx	-.004	6.5
37	MP3A	X	-2.457	.5
38	MP3A	Z	1.419	.5
39	MP3A	Mx	.000911	.5
40	MP3A	X	-2.457	6.5
41	MP3A	Z	1.419	6.5
42	MP3A	Mx	.000911	6.5
43	MP3B	X	-3.757	.5
44	MP3B	Z	2.169	.5
45	MP3B	Mx	.000384	.5
46	MP3B	X	-3.757	6.5
47	MP3B	Z	2.169	6.5
48	MP3B	Mx	.000384	6.5
49	MP3C	X	-5.056	.5
50	MP3C	Z	2.919	.5
51	MP3C	Mx	.003	.5
52	MP3C	X	-5.056	6.5
53	MP3C	Z	2.919	6.5
54	MP3C	Mx	.003	6.5
55	MP4A	X	-2.754	1
56	MP4A	Z	1.59	1
57	MP4A	Mx	.002	1
58	MP4A	X	-2.754	5
59	MP4A	Z	1.59	5
60	MP4A	Mx	.002	5
61	MP4B	X	-3.075	1
62	MP4B	Z	1.776	1
63	MP4B	Mx	-.001	1
64	MP4B	X	-3.075	5
65	MP4B	Z	1.776	5
66	MP4B	Mx	-.001	5
67	MP4C	X	-3.397	1
68	MP4C	Z	1.961	1
69	MP4C	Mx	-.000508	1
70	MP4C	X	-3.397	5
71	MP4C	Z	1.961	5
72	MP4C	Mx	-.000508	5
73	MP3A	X	-2.073	1
74	MP3A	Z	1.197	1
75	MP3A	Mx	.001	1
76	MP3B	X	-2.499	1
77	MP3B	Z	1.443	1
78	MP3B	Mx	-.001	1
79	MP3C	X	-2.925	1
80	MP3C	Z	1.689	1
81	MP3C	Mx	-.000437	1
82	MP3A	X	-1.731	3
83	MP3A	Z	.999	3
84	MP3A	Mx	.000965	3
85	MP3B	X	-2.316	3
86	MP3B	Z	1.337	3
87	MP3B	Mx	-.000945	3
88	MP3C	X	-2.901	3
89	MP3C	Z	1.675	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
90	MP3C	Mx	-.000433	3
91	OVP	X	-6.019	1
92	OVP	Z	3.475	1
93	OVP	Mx	-.000899	1
94	OVP	X	-6.019	1
95	OVP	Z	3.475	1
96	OVP	Mx	.000899	1
97	MP4C	X	-.927	3.5
98	MP4C	Z	.535	3.5
99	MP4C	Mx	-6.7e-5	3.5
100	MP4C	X	-.927	4.5
101	MP4C	Z	.535	4.5
102	MP4C	Mx	-6.7e-5	4.5
103	MP4C	X	-.927	3.5
104	MP4C	Z	.535	3.5
105	MP4C	Mx	.000622	3.5
106	MP4C	X	-.927	4.5
107	MP4C	Z	.535	4.5
108	MP4C	Mx	.000622	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-1.702	2
2	MP1A	Z	0	2
3	MP1A	Mx	.000822	2
4	MP1A	X	-1.702	4
5	MP1A	Z	0	4
6	MP1A	Mx	.000822	4
7	MP1B	X	-4.19	2
8	MP1B	Z	0	2
9	MP1B	Mx	-.000542	2
10	MP1B	X	-4.19	4
11	MP1B	Z	0	4
12	MP1B	Mx	-.000542	4
13	MP1C	X	-2.946	2
14	MP1C	Z	0	2
15	MP1C	Mx	-.001	2
16	MP1C	X	-2.946	4
17	MP1C	Z	0	4
18	MP1C	Mx	-.001	4
19	MP3A	X	-2.837	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.000911	.5
22	MP3A	X	-2.837	6.5
23	MP3A	Z	0	6.5
24	MP3A	Mx	.000911	6.5
25	MP3B	X	-5.839	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.004	.5
28	MP3B	X	-5.839	6.5
29	MP3B	Z	0	6.5
30	MP3B	Mx	-.004	6.5
31	MP3C	X	-4.338	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.003	.5
34	MP3C	X	-4.338	6.5
35	MP3C	Z	0	6.5
36	MP3C	Mx	-.003	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
37	MP3A	X	-2.837	.5
38	MP3A	Z	0	.5
39	MP3A	Mx	.002	.5
40	MP3A	X	-2.837	6.5
41	MP3A	Z	0	6.5
42	MP3A	Mx	.002	6.5
43	MP3B	X	-5.839	.5
44	MP3B	Z	0	.5
45	MP3B	Mx	.003	.5
46	MP3B	X	-5.839	6.5
47	MP3B	Z	0	6.5
48	MP3B	Mx	.003	6.5
49	MP3C	X	-4.338	.5
50	MP3C	Z	0	.5
51	MP3C	Mx	.000383	.5
52	MP3C	X	-4.338	6.5
53	MP3C	Z	0	6.5
54	MP3C	Mx	.000383	6.5
55	MP4A	X	-3.18	1
56	MP4A	Z	0	1
57	MP4A	Mx	.002	1
58	MP4A	X	-3.18	5
59	MP4A	Z	0	5
60	MP4A	Mx	.002	5
61	MP4B	X	-3.923	1
62	MP4B	Z	0	1
63	MP4B	Mx	-.000508	1
64	MP4B	X	-3.923	5
65	MP4B	Z	0	5
66	MP4B	Mx	-.000508	5
67	MP4C	X	-3.551	1
68	MP4C	Z	0	1
69	MP4C	Mx	-.001	1
70	MP4C	X	-3.551	5
71	MP4C	Z	0	5
72	MP4C	Mx	-.001	5
73	MP3A	X	-2.394	1
74	MP3A	Z	0	1
75	MP3A	Mx	.001	1
76	MP3B	X	-3.378	1
77	MP3B	Z	0	1
78	MP3B	Mx	-.000437	1
79	MP3C	X	-2.886	1
80	MP3C	Z	0	1
81	MP3C	Mx	-.001	1
82	MP3A	X	-1.999	3
83	MP3A	Z	0	3
84	MP3A	Mx	.000965	3
85	MP3B	X	-3.35	3
86	MP3B	Z	0	3
87	MP3B	Mx	-.000434	3
88	MP3C	X	-2.674	3
89	MP3C	Z	0	3
90	MP3C	Mx	-.000945	3
91	OVP	X	-6.217	1
92	OVP	Z	0	1
93	OVP	Mx	-.002	1
94	OVP	X	-6.217	1
95	OVP	Z	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
96	OVP	Mx	.002	1
97	MP4C	X	-1.071	3.5
98	MP4C	Z	0	3.5
99	MP4C	Mx	.000505	3.5
100	MP4C	X	-1.071	4.5
101	MP4C	Z	0	4.5
102	MP4C	Mx	.000505	4.5
103	MP4C	X	-1.071	3.5
104	MP4C	Z	0	3.5
105	MP4C	Mx	.001	3.5
106	MP4C	X	-1.071	4.5
107	MP4C	Z	0	4.5
108	MP4C	Mx	.001	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-2.551	2
2	MP1A	Z	-1.473	2
3	MP1A	Mx	.001	2
4	MP1A	X	-2.551	4
5	MP1A	Z	-1.473	4
6	MP1A	Mx	.001	4
7	MP1B	X	-3.629	2
8	MP1B	Z	-2.095	2
9	MP1B	Mx	.000542	2
10	MP1B	X	-3.629	4
11	MP1B	Z	-2.095	4
12	MP1B	Mx	.000542	4
13	MP1C	X	-1.474	2
14	MP1C	Z	-.851	2
15	MP1C	Mx	-.000822	2
16	MP1C	X	-1.474	4
17	MP1C	Z	-.851	4
18	MP1C	Mx	-.000822	4
19	MP3A	X	-3.757	.5
20	MP3A	Z	-2.169	.5
21	MP3A	Mx	-.000383	.5
22	MP3A	X	-3.757	6.5
23	MP3A	Z	-2.169	6.5
24	MP3A	Mx	-.000383	6.5
25	MP3B	X	-5.056	.5
26	MP3B	Z	-2.919	.5
27	MP3B	Mx	-.003	.5
28	MP3B	X	-5.056	6.5
29	MP3B	Z	-2.919	6.5
30	MP3B	Mx	-.003	6.5
31	MP3C	X	-2.457	.5
32	MP3C	Z	-1.419	.5
33	MP3C	Mx	-.002	.5
34	MP3C	X	-2.457	6.5
35	MP3C	Z	-1.419	6.5
36	MP3C	Mx	-.002	6.5
37	MP3A	X	-3.757	.5
38	MP3A	Z	-2.169	.5
39	MP3A	Mx	.003	.5
40	MP3A	X	-3.757	6.5
41	MP3A	Z	-2.169	6.5
42	MP3A	Mx	.003	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
43	MP3B	X	-5.056	.5
44	MP3B	Z	-2.919	.5
45	MP3B	Mx	.004	.5
46	MP3B	X	-5.056	6.5
47	MP3B	Z	-2.919	6.5
48	MP3B	Mx	.004	6.5
49	MP3C	X	-2.457	.5
50	MP3C	Z	-1.419	.5
51	MP3C	Mx	-.000912	.5
52	MP3C	X	-2.457	6.5
53	MP3C	Z	-1.419	6.5
54	MP3C	Mx	-.000912	6.5
55	MP4A	X	-3.075	1
56	MP4A	Z	-1.776	1
57	MP4A	Mx	.001	1
58	MP4A	X	-3.075	5
59	MP4A	Z	-1.776	5
60	MP4A	Mx	.001	5
61	MP4B	X	-3.397	1
62	MP4B	Z	-1.961	1
63	MP4B	Mx	.000507	1
64	MP4B	X	-3.397	5
65	MP4B	Z	-1.961	5
66	MP4B	Mx	.000507	5
67	MP4C	X	-2.754	1
68	MP4C	Z	-1.59	1
69	MP4C	Mx	-.002	1
70	MP4C	X	-2.754	5
71	MP4C	Z	-1.59	5
72	MP4C	Mx	-.002	5
73	MP3A	X	-2.499	1
74	MP3A	Z	-1.443	1
75	MP3A	Mx	.001	1
76	MP3B	X	-2.925	1
77	MP3B	Z	-1.689	1
78	MP3B	Mx	.000437	1
79	MP3C	X	-2.073	1
80	MP3C	Z	-1.197	1
81	MP3C	Mx	-.001	1
82	MP3A	X	-2.316	3
83	MP3A	Z	-1.337	3
84	MP3A	Mx	.000946	3
85	MP3B	X	-2.901	3
86	MP3B	Z	-1.675	3
87	MP3B	Mx	.000434	3
88	MP3C	X	-1.731	3
89	MP3C	Z	-.999	3
90	MP3C	Mx	-.000965	3
91	OVP	X	-4.749	1
92	OVP	Z	-2.742	1
93	OVP	Mx	-.003	1
94	OVP	X	-4.749	1
95	OVP	Z	-2.742	1
96	OVP	Mx	.003	1
97	MP4C	X	-.929	3.5
98	MP4C	Z	-.536	3.5
99	MP4C	Mx	.000943	3.5
100	MP4C	X	-.929	4.5
101	MP4C	Z	-.536	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
102	MP4C	Mx	.000943	4.5
103	MP4C	X	-.929	3.5
104	MP4C	Z	-.536	3.5
105	MP4C	Mx	.001	3.5
106	MP4C	X	-.929	4.5
107	MP4C	Z	-.536	4.5
108	MP4C	Mx	.001	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-2.095	2
2	MP1A	Z	-3.629	2
3	MP1A	Mx	.000542	2
4	MP1A	X	-2.095	4
5	MP1A	Z	-3.629	4
6	MP1A	Mx	.000542	4
7	MP1B	X	-1.473	2
8	MP1B	Z	-2.551	2
9	MP1B	Mx	.001	2
10	MP1B	X	-1.473	4
11	MP1B	Z	-2.551	4
12	MP1B	Mx	.001	4
13	MP1C	X	-.851	2
14	MP1C	Z	-1.474	2
15	MP1C	Mx	-.000822	2
16	MP1C	X	-.851	4
17	MP1C	Z	-1.474	4
18	MP1C	Mx	-.000822	4
19	MP3A	X	-2.919	.5
20	MP3A	Z	-5.056	.5
21	MP3A	Mx	-.003	.5
22	MP3A	X	-2.919	6.5
23	MP3A	Z	-5.056	6.5
24	MP3A	Mx	-.003	6.5
25	MP3B	X	-2.169	.5
26	MP3B	Z	-3.757	.5
27	MP3B	Mx	-.000383	.5
28	MP3B	X	-2.169	6.5
29	MP3B	Z	-3.757	6.5
30	MP3B	Mx	-.000383	6.5
31	MP3C	X	-1.419	.5
32	MP3C	Z	-2.457	.5
33	MP3C	Mx	-.000912	.5
34	MP3C	X	-1.419	6.5
35	MP3C	Z	-2.457	6.5
36	MP3C	Mx	-.000912	6.5
37	MP3A	X	-2.919	.5
38	MP3A	Z	-5.056	.5
39	MP3A	Mx	.004	.5
40	MP3A	X	-2.919	6.5
41	MP3A	Z	-5.056	6.5
42	MP3A	Mx	.004	6.5
43	MP3B	X	-2.169	.5
44	MP3B	Z	-3.757	.5
45	MP3B	Mx	.003	.5
46	MP3B	X	-2.169	6.5
47	MP3B	Z	-3.757	6.5
48	MP3B	Mx	.003	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
49	MP3C	X	-1.419	.5
50	MP3C	Z	-2.457	.5
51	MP3C	Mx	-.002	.5
52	MP3C	X	-1.419	6.5
53	MP3C	Z	-2.457	6.5
54	MP3C	Mx	-.002	6.5
55	MP4A	X	-1.961	1
56	MP4A	Z	-3.397	1
57	MP4A	Mx	.000507	1
58	MP4A	X	-1.961	5
59	MP4A	Z	-3.397	5
60	MP4A	Mx	.000507	5
61	MP4B	X	-1.776	1
62	MP4B	Z	-3.075	1
63	MP4B	Mx	.001	1
64	MP4B	X	-1.776	5
65	MP4B	Z	-3.075	5
66	MP4B	Mx	.001	5
67	MP4C	X	-1.59	1
68	MP4C	Z	-2.754	1
69	MP4C	Mx	-.002	1
70	MP4C	X	-1.59	5
71	MP4C	Z	-2.754	5
72	MP4C	Mx	-.002	5
73	MP3A	X	-1.689	1
74	MP3A	Z	-2.925	1
75	MP3A	Mx	.000437	1
76	MP3B	X	-1.443	1
77	MP3B	Z	-2.499	1
78	MP3B	Mx	.001	1
79	MP3C	X	-1.197	1
80	MP3C	Z	-2.073	1
81	MP3C	Mx	-.001	1
82	MP3A	X	-1.675	3
83	MP3A	Z	-2.901	3
84	MP3A	Mx	.000434	3
85	MP3B	X	-1.337	3
86	MP3B	Z	-2.316	3
87	MP3B	Mx	.000946	3
88	MP3C	X	-.999	3
89	MP3C	Z	-1.731	3
90	MP3C	Mx	-.000965	3
91	OVP	X	-2.742	1
92	OVP	Z	-4.749	1
93	OVP	Mx	-.003	1
94	OVP	X	-2.742	1
95	OVP	Z	-4.749	1
96	OVP	Mx	.003	1
97	MP4C	X	-.536	3.5
98	MP4C	Z	-.929	3.5
99	MP4C	Mx	.001	3.5
100	MP4C	X	-.536	4.5
101	MP4C	Z	-.929	4.5
102	MP4C	Mx	.001	4.5
103	MP4C	X	-.536	3.5
104	MP4C	Z	-.929	3.5
105	MP4C	Mx	.000943	3.5
106	MP4C	X	-.536	4.5
107	MP4C	Z	-.929	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
108	MP4C	Mx	.000943	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M1	Y	-500	%24

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M1	Y	-500	%91

### Member Point Loads (BLC 79 : Lv1)

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

### Member Point Loads (BLC 80 : Lv2)

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

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	Y	0	2
2	MP1A	My	0	2
3	MP1A	Mz	0	2
4	MP1A	Y	0	4
5	MP1A	My	0	4
6	MP1A	Mz	0	4
7	MP1B	Y	0	2
8	MP1B	My	0	2
9	MP1B	Mz	0	2
10	MP1B	Y	0	4
11	MP1B	My	0	4
12	MP1B	Mz	0	4
13	MP1C	Y	0	2
14	MP1C	My	0	2
15	MP1C	Mz	0	2
16	MP1C	Y	0	4
17	MP1C	My	0	4
18	MP1C	Mz	0	4
19	MP3A	Y	0	.5
20	MP3A	My	0	.5
21	MP3A	Mz	0	.5
22	MP3A	Y	0	6.5
23	MP3A	My	0	6.5
24	MP3A	Mz	0	6.5
25	MP3B	Y	0	.5
26	MP3B	My	0	.5
27	MP3B	Mz	0	.5
28	MP3B	Y	0	6.5
29	MP3B	My	0	6.5
30	MP3B	Mz	0	6.5
31	MP3C	Y	0	.5
32	MP3C	My	0	.5
33	MP3C	Mz	0	.5
34	MP3C	Y	0	6.5
35	MP3C	My	0	6.5
36	MP3C	Mz	0	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
37	MP3A	Y	0	.5
38	MP3A	My	0	.5
39	MP3A	Mz	0	.5
40	MP3A	Y	0	6.5
41	MP3A	My	0	6.5
42	MP3A	Mz	0	6.5
43	MP3B	Y	0	.5
44	MP3B	My	0	.5
45	MP3B	Mz	0	.5
46	MP3B	Y	0	6.5
47	MP3B	My	0	6.5
48	MP3B	Mz	0	6.5
49	MP3C	Y	0	.5
50	MP3C	My	0	.5
51	MP3C	Mz	0	.5
52	MP3C	Y	0	6.5
53	MP3C	My	0	6.5
54	MP3C	Mz	0	6.5
55	MP4A	Y	0	1
56	MP4A	My	0	1
57	MP4A	Mz	0	1
58	MP4A	Y	0	5
59	MP4A	My	0	5
60	MP4A	Mz	0	5
61	MP4B	Y	0	1
62	MP4B	My	0	1
63	MP4B	Mz	0	1
64	MP4B	Y	0	5
65	MP4B	My	0	5
66	MP4B	Mz	0	5
67	MP4C	Y	0	1
68	MP4C	My	0	1
69	MP4C	Mz	0	1
70	MP4C	Y	0	5
71	MP4C	My	0	5
72	MP4C	Mz	0	5
73	MP3A	Y	0	1
74	MP3A	My	0	1
75	MP3A	Mz	0	1
76	MP3B	Y	0	1
77	MP3B	My	0	1
78	MP3B	Mz	0	1
79	MP3C	Y	0	1
80	MP3C	My	0	1
81	MP3C	Mz	0	1
82	MP3A	Y	0	3
83	MP3A	My	0	3
84	MP3A	Mz	0	3
85	MP3B	Y	0	3
86	MP3B	My	0	3
87	MP3B	Mz	0	3
88	MP3C	Y	0	3
89	MP3C	My	0	3
90	MP3C	Mz	0	3
91	OVP	Y	0	1
92	OVP	My	0	1
93	OVP	Mz	0	1
94	OVP	Y	0	1
95	OVP	My	0	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
96	OVP	Mz	0	1
97	MP4C	Y	0	3.5
98	MP4C	My	0	3.5
99	MP4C	Mz	0	3.5
100	MP4C	Y	0	4.5
101	MP4C	My	0	4.5
102	MP4C	Mz	0	4.5
103	MP4C	Y	0	3.5
104	MP4C	My	0	3.5
105	MP4C	Mz	0	3.5
106	MP4C	Y	0	4.5
107	MP4C	My	0	4.5
108	MP4C	Mz	0	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	Z	-1.306	2
2	MP1A	Mx	-.000169	2
3	MP1A	Z	-1.306	4
4	MP1A	Mx	-.000169	4
5	MP1B	Z	-1.306	2
6	MP1B	Mx	.000631	2
7	MP1B	Z	-1.306	4
8	MP1B	Mx	.000631	4
9	MP1C	Z	-1.306	2
10	MP1C	Mx	-.000462	2
11	MP1C	Z	-1.306	4
12	MP1C	Mx	-.000462	4
13	MP3A	Z	-.655	.5
14	MP3A	Mx	-.000481	.5
15	MP3A	Z	-.655	6.5
16	MP3A	Mx	-.000481	6.5
17	MP3B	Z	-.655	.5
18	MP3B	Mx	.000211	.5
19	MP3B	Z	-.655	6.5
20	MP3B	Mx	.000211	6.5
21	MP3C	Z	-.655	.5
22	MP3C	Mx	5.8e-5	.5
23	MP3C	Z	-.655	6.5
24	MP3C	Mx	5.8e-5	6.5
25	MP3A	Z	-.655	.5
26	MP3A	Mx	.000311	.5
27	MP3A	Z	-.655	6.5
28	MP3A	Mx	.000311	6.5
29	MP3B	Z	-.655	.5
30	MP3B	Mx	.000423	.5
31	MP3B	Z	-.655	6.5
32	MP3B	Mx	.000423	6.5
33	MP3C	Z	-.655	.5
34	MP3C	Mx	-.000521	.5
35	MP3C	Z	-.655	6.5
36	MP3C	Mx	-.000521	6.5
37	MP4A	Z	-.18	1
38	MP4A	Mx	-2.3e-5	1
39	MP4A	Z	-.18	5
40	MP4A	Mx	-2.3e-5	5
41	MP4B	Z	-.18	1
42	MP4B	Mx	8.7e-5	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
43	MP4B	Z	-.18	5
44	MP4B	Mx	8.7e-5	5
45	MP4C	Z	-.18	1
46	MP4C	Mx	-6.4e-5	1
47	MP4C	Z	-.18	5
48	MP4C	Mx	-6.4e-5	5
49	MP3A	Z	-2.532	1
50	MP3A	Mx	-.000328	1
51	MP3B	Z	-2.532	1
52	MP3B	Mx	.001	1
53	MP3C	Z	-2.532	1
54	MP3C	Mx	-.000895	1
55	MP3A	Z	-2.109	3
56	MP3A	Mx	-.000273	3
57	MP3B	Z	-2.109	3
58	MP3B	Mx	.001	3
59	MP3C	Z	-2.109	3
60	MP3C	Mx	-.000746	3
61	OVP	Z	-.96	1
62	OVP	Mx	-.000339	1
63	OVP	Z	-.96	1
64	OVP	Mx	.000339	1
65	MP4C	Z	-.264	3.5
66	MP4C	Mx	.000249	3.5
67	MP4C	Z	-.264	4.5
68	MP4C	Mx	.000249	4.5
69	MP4C	Z	-.264	3.5
70	MP4C	Mx	.000124	3.5
71	MP4C	Z	-.264	4.5
72	MP4C	Mx	.000124	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	1.306	2
2	MP1A	Mx	-.000631	2
3	MP1A	X	1.306	4
4	MP1A	Mx	-.000631	4
5	MP1B	X	1.306	2
6	MP1B	Mx	.000169	2
7	MP1B	X	1.306	4
8	MP1B	Mx	.000169	4
9	MP1C	X	1.306	2
10	MP1C	Mx	.000462	2
11	MP1C	X	1.306	4
12	MP1C	Mx	.000462	4
13	MP3A	X	.655	.5
14	MP3A	Mx	-.000211	.5
15	MP3A	X	.655	6.5
16	MP3A	Mx	-.000211	6.5
17	MP3B	X	.655	.5
18	MP3B	Mx	.000481	.5
19	MP3B	X	.655	6.5
20	MP3B	Mx	.000481	6.5
21	MP3C	X	.655	.5
22	MP3C	Mx	.000521	.5
23	MP3C	X	.655	6.5
24	MP3C	Mx	.000521	6.5
25	MP3A	X	.655	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
26	MP3A	Mx	-.000423	.5
27	MP3A	X	.655	6.5
28	MP3A	Mx	-.000423	6.5
29	MP3B	X	.655	.5
30	MP3B	Mx	-.000311	.5
31	MP3B	X	.655	6.5
32	MP3B	Mx	-.000311	6.5
33	MP3C	X	.655	.5
34	MP3C	Mx	-5.8e-5	.5
35	MP3C	X	.655	6.5
36	MP3C	Mx	-5.8e-5	6.5
37	MP4A	X	.18	1
38	MP4A	Mx	-8.7e-5	1
39	MP4A	X	.18	5
40	MP4A	Mx	-8.7e-5	5
41	MP4B	X	.18	1
42	MP4B	Mx	2.3e-5	1
43	MP4B	X	.18	5
44	MP4B	Mx	2.3e-5	5
45	MP4C	X	.18	1
46	MP4C	Mx	6.4e-5	1
47	MP4C	X	.18	5
48	MP4C	Mx	6.4e-5	5
49	MP3A	X	2.532	1
50	MP3A	Mx	-.001	1
51	MP3B	X	2.532	1
52	MP3B	Mx	.000328	1
53	MP3C	X	2.532	1
54	MP3C	Mx	.000895	1
55	MP3A	X	2.109	3
56	MP3A	Mx	-.001	3
57	MP3B	X	2.109	3
58	MP3B	Mx	.000273	3
59	MP3C	X	2.109	3
60	MP3C	Mx	.000746	3
61	OVP	X	.96	1
62	OVP	Mx	.000339	1
63	OVP	X	.96	1
64	OVP	Mx	-.000339	1
65	MP4C	X	.264	3.5
66	MP4C	Mx	-.000124	3.5
67	MP4C	X	.264	4.5
68	MP4C	Mx	-.000124	4.5
69	MP4C	X	.264	3.5
70	MP4C	Mx	-.000249	3.5
71	MP4C	X	.264	4.5
72	MP4C	Mx	-.000249	4.5

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	Y	-12.956	-12.956	0	%100
2	M2	Y	-12.956	-12.956	0	%100
3	M3	Y	-12.956	-12.956	0	%100
4	M4	Y	-18.04	-18.04	0	%100
5	M5	Y	-18.04	-18.04	0	%100
6	M6	Y	-18.04	-18.04	0	%100
7	M7	Y	-12.956	-12.956	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
8	M8	Y	-12.956	-12.956	0	%100
9	M9	Y	-12.956	-12.956	0	%100
10	M10	Y	-16.745	-16.745	0	%100
11	M11	Y	-16.745	-16.745	0	%100
12	M12	Y	-16.745	-16.745	0	%100
13	MP1A	Y	-8.928	-8.928	0	%100
14	MP2A	Y	-8.928	-8.928	0	%100
15	MP3A	Y	-8.928	-8.928	0	%100
16	MP4A	Y	-8.928	-8.928	0	%100
17	MP1B	Y	-8.928	-8.928	0	%100
18	MP2B	Y	-8.928	-8.928	0	%100
19	MP3B	Y	-8.928	-8.928	0	%100
20	MP4B	Y	-8.928	-8.928	0	%100
21	MP1C	Y	-8.928	-8.928	0	%100
22	MP2C	Y	-8.928	-8.928	0	%100
23	MP3C	Y	-8.928	-8.928	0	%100
24	MP4C	Y	-8.928	-8.928	0	%100
25	M25	Y	-8.928	-8.928	0	%100
26	M26	Y	-8.928	-8.928	0	%100
27	M27	Y	-8.928	-8.928	0	%100
28	M28	Y	-12.956	-12.956	0	%100
29	M67	Y	-8.928	-8.928	0	%100
30	M68	Y	-8.928	-8.928	0	%100
31	M69	Y	-8.928	-8.928	0	%100
32	M91	Y	-11.431	-11.431	0	%100
33	M92	Y	-11.431	-11.431	0	%100
34	M93	Y	-11.431	-11.431	0	%100
35	M94	Y	-11.431	-11.431	0	%100
36	M95	Y	-11.431	-11.431	0	%100
37	M96	Y	-11.431	-11.431	0	%100
38	M88	Y	-12.956	-12.956	0	%100
39	M89	Y	-12.956	-12.956	0	%100
40	M90	Y	-12.956	-12.956	0	%100
41	M92A	Y	-12.956	-12.956	0	%100
42	M96A	Y	-12.956	-12.956	0	%100
43	M98	Y	-12.956	-12.956	0	%100
44	OVP	Y	-8.928	-8.928	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-17.828	-17.828	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-4.457	-4.457	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-4.457	-4.457	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-17.013	-17.013	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-17.013	-17.013	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-17.828	-17.828	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-4.457	-4.457	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-4.457	-4.457	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
19	M10	X	0	0	0	%100
20	M10	Z	-11.365	-11.365	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-11.365	-11.365	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	-8.468	-8.468	0	%100
27	MP2A	X	0	0	0	%100
28	MP2A	Z	-8.468	-8.468	0	%100
29	MP3A	X	0	0	0	%100
30	MP3A	Z	-8.468	-8.468	0	%100
31	MP4A	X	0	0	0	%100
32	MP4A	Z	-8.468	-8.468	0	%100
33	MP1B	X	0	0	0	%100
34	MP1B	Z	-8.468	-8.468	0	%100
35	MP2B	X	0	0	0	%100
36	MP2B	Z	-8.468	-8.468	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	-8.468	-8.468	0	%100
39	MP4B	X	0	0	0	%100
40	MP4B	Z	-8.468	-8.468	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	-8.468	-8.468	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	-8.468	-8.468	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	-8.468	-8.468	0	%100
47	MP4C	X	0	0	0	%100
48	MP4C	Z	-8.468	-8.468	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	-8.468	-8.468	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	-2.117	-2.117	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	-2.117	-2.117	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	-2.849	-2.849	0	%100
57	M67	X	0	0	0	%100
58	M67	Z	-8.468	-8.468	0	%100
59	M68	X	0	0	0	%100
60	M68	Z	-2.117	-2.117	0	%100
61	M69	X	0	0	0	%100
62	M69	Z	-2.117	-2.117	0	%100
63	M91	X	0	0	0	%100
64	M91	Z	-9.645	-9.645	0	%100
65	M92	X	0	0	0	%100
66	M92	Z	-9.645	-9.645	0	%100
67	M93	X	0	0	0	%100
68	M93	Z	-13.044	-13.044	0	%100
69	M94	X	0	0	0	%100
70	M94	Z	-2.699	-2.699	0	%100
71	M95	X	0	0	0	%100
72	M95	Z	-2.699	-2.699	0	%100
73	M96	X	0	0	0	%100
74	M96	Z	-13.044	-13.044	0	%100
75	M88	X	0	0	0	%100
76	M88	Z	-2.849	-2.849	0	%100
77	M89	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
78	M89	Z	-12.189	-12.189	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	-2.849	-2.849	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	-2.849	-2.849	0	%100
83	M96A	X	0	0	0	%100
84	M96A	Z	-11.397	-11.397	0	%100
85	M98	X	0	0	0	%100
86	M98	Z	-11.397	-11.397	0	%100
87	OVP	X	0	0	0	%100
88	OVP	Z	-6.132	-6.132	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	6.685	6.685	0	%100
2	M1	Z	-11.579	-11.579	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	6.685	6.685	0	%100
6	M3	Z	-11.579	-11.579	0	%100
7	M4	X	2.835	2.835	0	%100
8	M4	Z	-4.911	-4.911	0	%100
9	M5	X	11.342	11.342	0	%100
10	M5	Z	-19.645	-19.645	0	%100
11	M6	X	2.835	2.835	0	%100
12	M6	Z	-4.911	-4.911	0	%100
13	M7	X	6.685	6.685	0	%100
14	M7	Z	-11.579	-11.579	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	6.685	6.685	0	%100
18	M9	Z	-11.579	-11.579	0	%100
19	M10	X	7.577	7.577	0	%100
20	M10	Z	-13.123	-13.123	0	%100
21	M11	X	1.894	1.894	0	%100
22	M11	Z	-3.281	-3.281	0	%100
23	M12	X	1.894	1.894	0	%100
24	M12	Z	-3.281	-3.281	0	%100
25	MP1A	X	4.234	4.234	0	%100
26	MP1A	Z	-7.334	-7.334	0	%100
27	MP2A	X	4.234	4.234	0	%100
28	MP2A	Z	-7.334	-7.334	0	%100
29	MP3A	X	4.234	4.234	0	%100
30	MP3A	Z	-7.334	-7.334	0	%100
31	MP4A	X	4.234	4.234	0	%100
32	MP4A	Z	-7.334	-7.334	0	%100
33	MP1B	X	4.234	4.234	0	%100
34	MP1B	Z	-7.334	-7.334	0	%100
35	MP2B	X	4.234	4.234	0	%100
36	MP2B	Z	-7.334	-7.334	0	%100
37	MP3B	X	4.234	4.234	0	%100
38	MP3B	Z	-7.334	-7.334	0	%100
39	MP4B	X	4.234	4.234	0	%100
40	MP4B	Z	-7.334	-7.334	0	%100
41	MP1C	X	4.234	4.234	0	%100
42	MP1C	Z	-7.334	-7.334	0	%100
43	MP2C	X	4.234	4.234	0	%100
44	MP2C	Z	-7.334	-7.334	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
45	MP3C	X	4.234	4.234	0	%100
46	MP3C	Z	-7.334	-7.334	0	%100
47	MP4C	X	4.234	4.234	0	%100
48	MP4C	Z	-7.334	-7.334	0	%100
49	M25	X	3.176	3.176	0	%100
50	M25	Z	-5.5	-5.5	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	3.176	3.176	0	%100
54	M27	Z	-5.5	-5.5	0	%100
55	M28	X	4.274	4.274	0	%100
56	M28	Z	-7.403	-7.403	0	%100
57	M67	X	3.176	3.176	0	%100
58	M67	Z	-5.5	-5.5	0	%100
59	M68	X	0	0	0	%100
60	M68	Z	0	0	0	%100
61	M69	X	3.176	3.176	0	%100
62	M69	Z	-5.5	-5.5	0	%100
63	M91	X	1.941	1.941	0	%100
64	M91	Z	-3.361	-3.361	0	%100
65	M92	X	7.113	7.113	0	%100
66	M92	Z	-12.32	-12.32	0	%100
67	M93	X	3.64	3.64	0	%100
68	M93	Z	-6.305	-6.305	0	%100
69	M94	X	3.64	3.64	0	%100
70	M94	Z	-6.305	-6.305	0	%100
71	M95	X	1.941	1.941	0	%100
72	M95	Z	-3.361	-3.361	0	%100
73	M96	X	7.113	7.113	0	%100
74	M96	Z	-12.32	-12.32	0	%100
75	M88	X	4.274	4.274	0	%100
76	M88	Z	-7.403	-7.403	0	%100
77	M89	X	4.571	4.571	0	%100
78	M89	Z	-7.917	-7.917	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	0	0	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	0	0	0	%100
83	M96A	X	4.274	4.274	0	%100
84	M96A	Z	-7.403	-7.403	0	%100
85	M98	X	4.274	4.274	0	%100
86	M98	Z	-7.403	-7.403	0	%100
87	OVP	X	3.066	3.066	0	%100
88	OVP	Z	-5.311	-5.311	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
1	M1	X	3.86	3.86	0	%100
2	M1	Z	-2.228	-2.228	0	%100
3	M2	X	3.86	3.86	0	%100
4	M2	Z	-2.228	-2.228	0	%100
5	M3	X	15.439	15.439	0	%100
6	M3	Z	-8.914	-8.914	0	%100
7	M4	X	14.733	14.733	0	%100
8	M4	Z	-8.506	-8.506	0	%100
9	M5	X	14.733	14.733	0	%100
10	M5	Z	-8.506	-8.506	0	%100
11	M6	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
12	M6	Z	0	0	0	%100
13	M7	X	3.86	3.86	0	%100
14	M7	Z	-2.228	-2.228	0	%100
15	M8	X	3.86	3.86	0	%100
16	M8	Z	-2.228	-2.228	0	%100
17	M9	X	15.439	15.439	0	%100
18	M9	Z	-8.914	-8.914	0	%100
19	M10	X	9.842	9.842	0	%100
20	M10	Z	-5.683	-5.683	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	9.842	9.842	0	%100
24	M12	Z	-5.683	-5.683	0	%100
25	MP1A	X	7.334	7.334	0	%100
26	MP1A	Z	-4.234	-4.234	0	%100
27	MP2A	X	7.334	7.334	0	%100
28	MP2A	Z	-4.234	-4.234	0	%100
29	MP3A	X	7.334	7.334	0	%100
30	MP3A	Z	-4.234	-4.234	0	%100
31	MP4A	X	7.334	7.334	0	%100
32	MP4A	Z	-4.234	-4.234	0	%100
33	MP1B	X	7.334	7.334	0	%100
34	MP1B	Z	-4.234	-4.234	0	%100
35	MP2B	X	7.334	7.334	0	%100
36	MP2B	Z	-4.234	-4.234	0	%100
37	MP3B	X	7.334	7.334	0	%100
38	MP3B	Z	-4.234	-4.234	0	%100
39	MP4B	X	7.334	7.334	0	%100
40	MP4B	Z	-4.234	-4.234	0	%100
41	MP1C	X	7.334	7.334	0	%100
42	MP1C	Z	-4.234	-4.234	0	%100
43	MP2C	X	7.334	7.334	0	%100
44	MP2C	Z	-4.234	-4.234	0	%100
45	MP3C	X	7.334	7.334	0	%100
46	MP3C	Z	-4.234	-4.234	0	%100
47	MP4C	X	7.334	7.334	0	%100
48	MP4C	Z	-4.234	-4.234	0	%100
49	M25	X	1.833	1.833	0	%100
50	M25	Z	-1.059	-1.059	0	%100
51	M26	X	1.833	1.833	0	%100
52	M26	Z	-1.059	-1.059	0	%100
53	M27	X	7.334	7.334	0	%100
54	M27	Z	-4.234	-4.234	0	%100
55	M28	X	9.87	9.87	0	%100
56	M28	Z	-5.698	-5.698	0	%100
57	M67	X	1.833	1.833	0	%100
58	M67	Z	-1.059	-1.059	0	%100
59	M68	X	1.833	1.833	0	%100
60	M68	Z	-1.059	-1.059	0	%100
61	M69	X	7.334	7.334	0	%100
62	M69	Z	-4.234	-4.234	0	%100
63	M91	X	2.337	2.337	0	%100
64	M91	Z	-1.349	-1.349	0	%100
65	M92	X	11.296	11.296	0	%100
66	M92	Z	-6.522	-6.522	0	%100
67	M93	X	2.337	2.337	0	%100
68	M93	Z	-1.349	-1.349	0	%100
69	M94	X	11.296	11.296	0	%100
70	M94	Z	-6.522	-6.522	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
71	M95	X	8.353	8.353	0	%100
72	M95	Z	-4.822	-4.822	0	%100
73	M96	X	8.353	8.353	0	%100
74	M96	Z	-4.822	-4.822	0	%100
75	M88	X	9.87	9.87	0	%100
76	M88	Z	-5.698	-5.698	0	%100
77	M89	X	2.639	2.639	0	%100
78	M89	Z	-1.524	-1.524	0	%100
79	M90	X	2.468	2.468	0	%100
80	M90	Z	-1.425	-1.425	0	%100
81	M92A	X	2.468	2.468	0	%100
82	M92A	Z	-1.425	-1.425	0	%100
83	M96A	X	2.468	2.468	0	%100
84	M96A	Z	-1.425	-1.425	0	%100
85	M98	X	2.468	2.468	0	%100
86	M98	Z	-1.425	-1.425	0	%100
87	OVP	X	5.311	5.311	0	%100
88	OVP	Z	-3.066	-3.066	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	13.371	13.371	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	13.371	13.371	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	22.684	22.684	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	5.671	5.671	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	5.671	5.671	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	13.371	13.371	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	13.371	13.371	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	3.788	3.788	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	3.788	3.788	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	15.153	15.153	0	%100
24	M12	Z	0	0	0	%100
25	MP1A	X	8.468	8.468	0	%100
26	MP1A	Z	0	0	0	%100
27	MP2A	X	8.468	8.468	0	%100
28	MP2A	Z	0	0	0	%100
29	MP3A	X	8.468	8.468	0	%100
30	MP3A	Z	0	0	0	%100
31	MP4A	X	8.468	8.468	0	%100
32	MP4A	Z	0	0	0	%100
33	MP1B	X	8.468	8.468	0	%100
34	MP1B	Z	0	0	0	%100
35	MP2B	X	8.468	8.468	0	%100
36	MP2B	Z	0	0	0	%100
37	MP3B	X	8.468	8.468	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
38	MP3B	Z	0	0	0	%100
39	MP4B	X	8.468	8.468	0	%100
40	MP4B	Z	0	0	0	%100
41	MP1C	X	8.468	8.468	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2C	X	8.468	8.468	0	%100
44	MP2C	Z	0	0	0	%100
45	MP3C	X	8.468	8.468	0	%100
46	MP3C	Z	0	0	0	%100
47	MP4C	X	8.468	8.468	0	%100
48	MP4C	Z	0	0	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	6.351	6.351	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	6.351	6.351	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	8.548	8.548	0	%100
56	M28	Z	0	0	0	%100
57	M67	X	0	0	0	%100
58	M67	Z	0	0	0	%100
59	M68	X	6.351	6.351	0	%100
60	M68	Z	0	0	0	%100
61	M69	X	6.351	6.351	0	%100
62	M69	Z	0	0	0	%100
63	M91	X	7.28	7.28	0	%100
64	M91	Z	0	0	0	%100
65	M92	X	7.28	7.28	0	%100
66	M92	Z	0	0	0	%100
67	M93	X	3.881	3.881	0	%100
68	M93	Z	0	0	0	%100
69	M94	X	14.226	14.226	0	%100
70	M94	Z	0	0	0	%100
71	M95	X	14.226	14.226	0	%100
72	M95	Z	0	0	0	%100
73	M96	X	3.881	3.881	0	%100
74	M96	Z	0	0	0	%100
75	M88	X	8.548	8.548	0	%100
76	M88	Z	0	0	0	%100
77	M89	X	0	0	0	%100
78	M89	Z	0	0	0	%100
79	M90	X	8.548	8.548	0	%100
80	M90	Z	0	0	0	%100
81	M92A	X	8.548	8.548	0	%100
82	M92A	Z	0	0	0	%100
83	M96A	X	0	0	0	%100
84	M96A	Z	0	0	0	%100
85	M98	X	0	0	0	%100
86	M98	Z	0	0	0	%100
87	OVP	X	6.132	6.132	0	%100
88	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	3.86	3.86	0	%100
2	M1	Z	2.228	2.228	0	%100
3	M2	X	15.439	15.439	0	%100
4	M2	Z	8.914	8.914	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
5	M3	X	3.86	3.86	0	%100
6	M3	Z	2.228	2.228	0	%100
7	M4	X	14.733	14.733	0	%100
8	M4	Z	8.506	8.506	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	14.733	14.733	0	%100
12	M6	Z	8.506	8.506	0	%100
13	M7	X	3.86	3.86	0	%100
14	M7	Z	2.228	2.228	0	%100
15	M8	X	15.439	15.439	0	%100
16	M8	Z	8.914	8.914	0	%100
17	M9	X	3.86	3.86	0	%100
18	M9	Z	2.228	2.228	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	9.842	9.842	0	%100
22	M11	Z	5.683	5.683	0	%100
23	M12	X	9.842	9.842	0	%100
24	M12	Z	5.683	5.683	0	%100
25	MP1A	X	7.334	7.334	0	%100
26	MP1A	Z	4.234	4.234	0	%100
27	MP2A	X	7.334	7.334	0	%100
28	MP2A	Z	4.234	4.234	0	%100
29	MP3A	X	7.334	7.334	0	%100
30	MP3A	Z	4.234	4.234	0	%100
31	MP4A	X	7.334	7.334	0	%100
32	MP4A	Z	4.234	4.234	0	%100
33	MP1B	X	7.334	7.334	0	%100
34	MP1B	Z	4.234	4.234	0	%100
35	MP2B	X	7.334	7.334	0	%100
36	MP2B	Z	4.234	4.234	0	%100
37	MP3B	X	7.334	7.334	0	%100
38	MP3B	Z	4.234	4.234	0	%100
39	MP4B	X	7.334	7.334	0	%100
40	MP4B	Z	4.234	4.234	0	%100
41	MP1C	X	7.334	7.334	0	%100
42	MP1C	Z	4.234	4.234	0	%100
43	MP2C	X	7.334	7.334	0	%100
44	MP2C	Z	4.234	4.234	0	%100
45	MP3C	X	7.334	7.334	0	%100
46	MP3C	Z	4.234	4.234	0	%100
47	MP4C	X	7.334	7.334	0	%100
48	MP4C	Z	4.234	4.234	0	%100
49	M25	X	1.833	1.833	0	%100
50	M25	Z	1.059	1.059	0	%100
51	M26	X	7.334	7.334	0	%100
52	M26	Z	4.234	4.234	0	%100
53	M27	X	1.833	1.833	0	%100
54	M27	Z	1.059	1.059	0	%100
55	M28	X	2.468	2.468	0	%100
56	M28	Z	1.425	1.425	0	%100
57	M67	X	1.833	1.833	0	%100
58	M67	Z	1.059	1.059	0	%100
59	M68	X	7.334	7.334	0	%100
60	M68	Z	4.234	4.234	0	%100
61	M69	X	1.833	1.833	0	%100
62	M69	Z	1.059	1.059	0	%100
63	M91	X	11.296	11.296	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
64	M91	Z	6.522	6.522	0	%100
65	M92	X	2.337	2.337	0	%100
66	M92	Z	1.349	1.349	0	%100
67	M93	X	8.353	8.353	0	%100
68	M93	Z	4.822	4.822	0	%100
69	M94	X	8.353	8.353	0	%100
70	M94	Z	4.822	4.822	0	%100
71	M95	X	11.296	11.296	0	%100
72	M95	Z	6.522	6.522	0	%100
73	M96	X	2.337	2.337	0	%100
74	M96	Z	1.349	1.349	0	%100
75	M88	X	2.468	2.468	0	%100
76	M88	Z	1.425	1.425	0	%100
77	M89	X	2.639	2.639	0	%100
78	M89	Z	1.524	1.524	0	%100
79	M90	X	9.87	9.87	0	%100
80	M90	Z	5.698	5.698	0	%100
81	M92A	X	9.87	9.87	0	%100
82	M92A	Z	5.698	5.698	0	%100
83	M96A	X	2.468	2.468	0	%100
84	M96A	Z	1.425	1.425	0	%100
85	M98	X	2.468	2.468	0	%100
86	M98	Z	1.425	1.425	0	%100
87	OVP	X	5.311	5.311	0	%100
88	OVP	Z	3.066	3.066	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	6.685	6.685	0	%100
2	M1	Z	11.579	11.579	0	%100
3	M2	X	6.685	6.685	0	%100
4	M2	Z	11.579	11.579	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	2.835	2.835	0	%100
8	M4	Z	4.911	4.911	0	%100
9	M5	X	2.835	2.835	0	%100
10	M5	Z	4.911	4.911	0	%100
11	M6	X	11.342	11.342	0	%100
12	M6	Z	19.645	19.645	0	%100
13	M7	X	6.685	6.685	0	%100
14	M7	Z	11.579	11.579	0	%100
15	M8	X	6.685	6.685	0	%100
16	M8	Z	11.579	11.579	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	1.894	1.894	0	%100
20	M10	Z	3.281	3.281	0	%100
21	M11	X	7.577	7.577	0	%100
22	M11	Z	13.123	13.123	0	%100
23	M12	X	1.894	1.894	0	%100
24	M12	Z	3.281	3.281	0	%100
25	MP1A	X	4.234	4.234	0	%100
26	MP1A	Z	7.334	7.334	0	%100
27	MP2A	X	4.234	4.234	0	%100
28	MP2A	Z	7.334	7.334	0	%100
29	MP3A	X	4.234	4.234	0	%100
30	MP3A	Z	7.334	7.334	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
31	MP4A	X	4.234	4.234	0	%100
32	MP4A	Z	7.334	7.334	0	%100
33	MP1B	X	4.234	4.234	0	%100
34	MP1B	Z	7.334	7.334	0	%100
35	MP2B	X	4.234	4.234	0	%100
36	MP2B	Z	7.334	7.334	0	%100
37	MP3B	X	4.234	4.234	0	%100
38	MP3B	Z	7.334	7.334	0	%100
39	MP4B	X	4.234	4.234	0	%100
40	MP4B	Z	7.334	7.334	0	%100
41	MP1C	X	4.234	4.234	0	%100
42	MP1C	Z	7.334	7.334	0	%100
43	MP2C	X	4.234	4.234	0	%100
44	MP2C	Z	7.334	7.334	0	%100
45	MP3C	X	4.234	4.234	0	%100
46	MP3C	Z	7.334	7.334	0	%100
47	MP4C	X	4.234	4.234	0	%100
48	MP4C	Z	7.334	7.334	0	%100
49	M25	X	3.176	3.176	0	%100
50	M25	Z	5.5	5.5	0	%100
51	M26	X	3.176	3.176	0	%100
52	M26	Z	5.5	5.5	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	0	0	0	%100
57	M67	X	3.176	3.176	0	%100
58	M67	Z	5.5	5.5	0	%100
59	M68	X	3.176	3.176	0	%100
60	M68	Z	5.5	5.5	0	%100
61	M69	X	0	0	0	%100
62	M69	Z	0	0	0	%100
63	M91	X	7.113	7.113	0	%100
64	M91	Z	12.32	12.32	0	%100
65	M92	X	1.941	1.941	0	%100
66	M92	Z	3.361	3.361	0	%100
67	M93	X	7.113	7.113	0	%100
68	M93	Z	12.32	12.32	0	%100
69	M94	X	1.941	1.941	0	%100
70	M94	Z	3.361	3.361	0	%100
71	M95	X	3.64	3.64	0	%100
72	M95	Z	6.305	6.305	0	%100
73	M96	X	3.64	3.64	0	%100
74	M96	Z	6.305	6.305	0	%100
75	M88	X	0	0	0	%100
76	M88	Z	0	0	0	%100
77	M89	X	4.571	4.571	0	%100
78	M89	Z	7.917	7.917	0	%100
79	M90	X	4.274	4.274	0	%100
80	M90	Z	7.403	7.403	0	%100
81	M92A	X	4.274	4.274	0	%100
82	M92A	Z	7.403	7.403	0	%100
83	M96A	X	4.274	4.274	0	%100
84	M96A	Z	7.403	7.403	0	%100
85	M98	X	4.274	4.274	0	%100
86	M98	Z	7.403	7.403	0	%100
87	OVP	X	3.066	3.066	0	%100
88	OVP	Z	5.311	5.311	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	17.828	17.828	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	4.457	4.457	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	4.457	4.457	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	17.013	17.013	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	17.013	17.013	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	17.828	17.828	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	4.457	4.457	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	4.457	4.457	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	11.365	11.365	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	11.365	11.365	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	8.468	8.468	0	%100
27	MP2A	X	0	0	0	%100
28	MP2A	Z	8.468	8.468	0	%100
29	MP3A	X	0	0	0	%100
30	MP3A	Z	8.468	8.468	0	%100
31	MP4A	X	0	0	0	%100
32	MP4A	Z	8.468	8.468	0	%100
33	MP1B	X	0	0	0	%100
34	MP1B	Z	8.468	8.468	0	%100
35	MP2B	X	0	0	0	%100
36	MP2B	Z	8.468	8.468	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	8.468	8.468	0	%100
39	MP4B	X	0	0	0	%100
40	MP4B	Z	8.468	8.468	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	8.468	8.468	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	8.468	8.468	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	8.468	8.468	0	%100
47	MP4C	X	0	0	0	%100
48	MP4C	Z	8.468	8.468	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	8.468	8.468	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	2.117	2.117	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	2.117	2.117	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	2.849	2.849	0	%100
57	M67	X	0	0	0	%100
58	M67	Z	8.468	8.468	0	%100
59	M68	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,...]	Start Location[ft,%]	End Location[ft,%]
60	M68	Z	2.117	2.117	0	%100
61	M69	X	0	0	0	%100
62	M69	Z	2.117	2.117	0	%100
63	M91	X	0	0	0	%100
64	M91	Z	9.645	9.645	0	%100
65	M92	X	0	0	0	%100
66	M92	Z	9.645	9.645	0	%100
67	M93	X	0	0	0	%100
68	M93	Z	13.044	13.044	0	%100
69	M94	X	0	0	0	%100
70	M94	Z	2.699	2.699	0	%100
71	M95	X	0	0	0	%100
72	M95	Z	2.699	2.699	0	%100
73	M96	X	0	0	0	%100
74	M96	Z	13.044	13.044	0	%100
75	M88	X	0	0	0	%100
76	M88	Z	2.849	2.849	0	%100
77	M89	X	0	0	0	%100
78	M89	Z	12.189	12.189	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	2.849	2.849	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	2.849	2.849	0	%100
83	M96A	X	0	0	0	%100
84	M96A	Z	11.397	11.397	0	%100
85	M98	X	0	0	0	%100
86	M98	Z	11.397	11.397	0	%100
87	OVP	X	0	0	0	%100
88	OVP	Z	6.132	6.132	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-6.685	-6.685	0	%100
2	M1	Z	11.579	11.579	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-6.685	-6.685	0	%100
6	M3	Z	11.579	11.579	0	%100
7	M4	X	-2.835	-2.835	0	%100
8	M4	Z	4.911	4.911	0	%100
9	M5	X	-11.342	-11.342	0	%100
10	M5	Z	19.645	19.645	0	%100
11	M6	X	-2.835	-2.835	0	%100
12	M6	Z	4.911	4.911	0	%100
13	M7	X	-6.685	-6.685	0	%100
14	M7	Z	11.579	11.579	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-6.685	-6.685	0	%100
18	M9	Z	11.579	11.579	0	%100
19	M10	X	-7.577	-7.577	0	%100
20	M10	Z	13.123	13.123	0	%100
21	M11	X	-1.894	-1.894	0	%100
22	M11	Z	3.281	3.281	0	%100
23	M12	X	-1.894	-1.894	0	%100
24	M12	Z	3.281	3.281	0	%100
25	MP1A	X	-4.234	-4.234	0	%100
26	MP1A	Z	7.334	7.334	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
27	MP2A	X	-4.234	-4.234	0	%100
28	MP2A	Z	7.334	7.334	0	%100
29	MP3A	X	-4.234	-4.234	0	%100
30	MP3A	Z	7.334	7.334	0	%100
31	MP4A	X	-4.234	-4.234	0	%100
32	MP4A	Z	7.334	7.334	0	%100
33	MP1B	X	-4.234	-4.234	0	%100
34	MP1B	Z	7.334	7.334	0	%100
35	MP2B	X	-4.234	-4.234	0	%100
36	MP2B	Z	7.334	7.334	0	%100
37	MP3B	X	-4.234	-4.234	0	%100
38	MP3B	Z	7.334	7.334	0	%100
39	MP4B	X	-4.234	-4.234	0	%100
40	MP4B	Z	7.334	7.334	0	%100
41	MP1C	X	-4.234	-4.234	0	%100
42	MP1C	Z	7.334	7.334	0	%100
43	MP2C	X	-4.234	-4.234	0	%100
44	MP2C	Z	7.334	7.334	0	%100
45	MP3C	X	-4.234	-4.234	0	%100
46	MP3C	Z	7.334	7.334	0	%100
47	MP4C	X	-4.234	-4.234	0	%100
48	MP4C	Z	7.334	7.334	0	%100
49	M25	X	-3.176	-3.176	0	%100
50	M25	Z	5.5	5.5	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-3.176	-3.176	0	%100
54	M27	Z	5.5	5.5	0	%100
55	M28	X	-4.274	-4.274	0	%100
56	M28	Z	7.403	7.403	0	%100
57	M67	X	-3.176	-3.176	0	%100
58	M67	Z	5.5	5.5	0	%100
59	M68	X	0	0	0	%100
60	M68	Z	0	0	0	%100
61	M69	X	-3.176	-3.176	0	%100
62	M69	Z	5.5	5.5	0	%100
63	M91	X	-1.941	-1.941	0	%100
64	M91	Z	3.361	3.361	0	%100
65	M92	X	-7.113	-7.113	0	%100
66	M92	Z	12.32	12.32	0	%100
67	M93	X	-3.64	-3.64	0	%100
68	M93	Z	6.305	6.305	0	%100
69	M94	X	-3.64	-3.64	0	%100
70	M94	Z	6.305	6.305	0	%100
71	M95	X	-1.941	-1.941	0	%100
72	M95	Z	3.361	3.361	0	%100
73	M96	X	-7.113	-7.113	0	%100
74	M96	Z	12.32	12.32	0	%100
75	M88	X	-4.274	-4.274	0	%100
76	M88	Z	7.403	7.403	0	%100
77	M89	X	-4.571	-4.571	0	%100
78	M89	Z	7.917	7.917	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	0	0	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	0	0	0	%100
83	M96A	X	-4.274	-4.274	0	%100
84	M96A	Z	7.403	7.403	0	%100
85	M98	X	-4.274	-4.274	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
86	M98	Z	7.403	7.403	0	%100
87	OVP	X	-3.066	-3.066	0	%100
88	OVP	Z	5.311	5.311	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-3.86	-3.86	0	%100
2	M1	Z	2.228	2.228	0	%100
3	M2	X	-3.86	-3.86	0	%100
4	M2	Z	2.228	2.228	0	%100
5	M3	X	-15.439	-15.439	0	%100
6	M3	Z	8.914	8.914	0	%100
7	M4	X	-14.733	-14.733	0	%100
8	M4	Z	8.506	8.506	0	%100
9	M5	X	-14.733	-14.733	0	%100
10	M5	Z	8.506	8.506	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-3.86	-3.86	0	%100
14	M7	Z	2.228	2.228	0	%100
15	M8	X	-3.86	-3.86	0	%100
16	M8	Z	2.228	2.228	0	%100
17	M9	X	-15.439	-15.439	0	%100
18	M9	Z	8.914	8.914	0	%100
19	M10	X	-9.842	-9.842	0	%100
20	M10	Z	5.683	5.683	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-9.842	-9.842	0	%100
24	M12	Z	5.683	5.683	0	%100
25	MP1A	X	-7.334	-7.334	0	%100
26	MP1A	Z	4.234	4.234	0	%100
27	MP2A	X	-7.334	-7.334	0	%100
28	MP2A	Z	4.234	4.234	0	%100
29	MP3A	X	-7.334	-7.334	0	%100
30	MP3A	Z	4.234	4.234	0	%100
31	MP4A	X	-7.334	-7.334	0	%100
32	MP4A	Z	4.234	4.234	0	%100
33	MP1B	X	-7.334	-7.334	0	%100
34	MP1B	Z	4.234	4.234	0	%100
35	MP2B	X	-7.334	-7.334	0	%100
36	MP2B	Z	4.234	4.234	0	%100
37	MP3B	X	-7.334	-7.334	0	%100
38	MP3B	Z	4.234	4.234	0	%100
39	MP4B	X	-7.334	-7.334	0	%100
40	MP4B	Z	4.234	4.234	0	%100
41	MP1C	X	-7.334	-7.334	0	%100
42	MP1C	Z	4.234	4.234	0	%100
43	MP2C	X	-7.334	-7.334	0	%100
44	MP2C	Z	4.234	4.234	0	%100
45	MP3C	X	-7.334	-7.334	0	%100
46	MP3C	Z	4.234	4.234	0	%100
47	MP4C	X	-7.334	-7.334	0	%100
48	MP4C	Z	4.234	4.234	0	%100
49	M25	X	-1.833	-1.833	0	%100
50	M25	Z	1.059	1.059	0	%100
51	M26	X	-1.833	-1.833	0	%100
52	M26	Z	1.059	1.059	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
53	M27	X	-7.334	-7.334	0	%100
54	M27	Z	4.234	4.234	0	%100
55	M28	X	-9.87	-9.87	0	%100
56	M28	Z	5.698	5.698	0	%100
57	M67	X	-1.833	-1.833	0	%100
58	M67	Z	1.059	1.059	0	%100
59	M68	X	-1.833	-1.833	0	%100
60	M68	Z	1.059	1.059	0	%100
61	M69	X	-7.334	-7.334	0	%100
62	M69	Z	4.234	4.234	0	%100
63	M91	X	-2.337	-2.337	0	%100
64	M91	Z	1.349	1.349	0	%100
65	M92	X	-11.296	-11.296	0	%100
66	M92	Z	6.522	6.522	0	%100
67	M93	X	-2.337	-2.337	0	%100
68	M93	Z	1.349	1.349	0	%100
69	M94	X	-11.296	-11.296	0	%100
70	M94	Z	6.522	6.522	0	%100
71	M95	X	-8.353	-8.353	0	%100
72	M95	Z	4.822	4.822	0	%100
73	M96	X	-8.353	-8.353	0	%100
74	M96	Z	4.822	4.822	0	%100
75	M88	X	-9.87	-9.87	0	%100
76	M88	Z	5.698	5.698	0	%100
77	M89	X	-2.639	-2.639	0	%100
78	M89	Z	1.524	1.524	0	%100
79	M90	X	-2.468	-2.468	0	%100
80	M90	Z	1.425	1.425	0	%100
81	M92A	X	-2.468	-2.468	0	%100
82	M92A	Z	1.425	1.425	0	%100
83	M96A	X	-2.468	-2.468	0	%100
84	M96A	Z	1.425	1.425	0	%100
85	M98	X	-2.468	-2.468	0	%100
86	M98	Z	1.425	1.425	0	%100
87	OVP	X	-5.311	-5.311	0	%100
88	OVP	Z	3.066	3.066	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-13.371	-13.371	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-13.371	-13.371	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-22.684	-22.684	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-5.671	-5.671	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-5.671	-5.671	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-13.371	-13.371	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-13.371	-13.371	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-3.788	-3.788	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
20	M10	Z	0	0	0	%100
21	M11	X	-3.788	-3.788	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-15.153	-15.153	0	%100
24	M12	Z	0	0	0	%100
25	MP1A	X	-8.468	-8.468	0	%100
26	MP1A	Z	0	0	0	%100
27	MP2A	X	-8.468	-8.468	0	%100
28	MP2A	Z	0	0	0	%100
29	MP3A	X	-8.468	-8.468	0	%100
30	MP3A	Z	0	0	0	%100
31	MP4A	X	-8.468	-8.468	0	%100
32	MP4A	Z	0	0	0	%100
33	MP1B	X	-8.468	-8.468	0	%100
34	MP1B	Z	0	0	0	%100
35	MP2B	X	-8.468	-8.468	0	%100
36	MP2B	Z	0	0	0	%100
37	MP3B	X	-8.468	-8.468	0	%100
38	MP3B	Z	0	0	0	%100
39	MP4B	X	-8.468	-8.468	0	%100
40	MP4B	Z	0	0	0	%100
41	MP1C	X	-8.468	-8.468	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2C	X	-8.468	-8.468	0	%100
44	MP2C	Z	0	0	0	%100
45	MP3C	X	-8.468	-8.468	0	%100
46	MP3C	Z	0	0	0	%100
47	MP4C	X	-8.468	-8.468	0	%100
48	MP4C	Z	0	0	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	-6.351	-6.351	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-6.351	-6.351	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	-8.548	-8.548	0	%100
56	M28	Z	0	0	0	%100
57	M67	X	0	0	0	%100
58	M67	Z	0	0	0	%100
59	M68	X	-6.351	-6.351	0	%100
60	M68	Z	0	0	0	%100
61	M69	X	-6.351	-6.351	0	%100
62	M69	Z	0	0	0	%100
63	M91	X	-7.28	-7.28	0	%100
64	M91	Z	0	0	0	%100
65	M92	X	-7.28	-7.28	0	%100
66	M92	Z	0	0	0	%100
67	M93	X	-3.881	-3.881	0	%100
68	M93	Z	0	0	0	%100
69	M94	X	-14.226	-14.226	0	%100
70	M94	Z	0	0	0	%100
71	M95	X	-14.226	-14.226	0	%100
72	M95	Z	0	0	0	%100
73	M96	X	-3.881	-3.881	0	%100
74	M96	Z	0	0	0	%100
75	M88	X	-8.548	-8.548	0	%100
76	M88	Z	0	0	0	%100
77	M89	X	0	0	0	%100
78	M89	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft. %]	End Location[ft. %]
79	M90	X	-8.548	-8.548	0	%100
80	M90	Z	0	0	0	%100
81	M92A	X	-8.548	-8.548	0	%100
82	M92A	Z	0	0	0	%100
83	M96A	X	0	0	0	%100
84	M96A	Z	0	0	0	%100
85	M98	X	0	0	0	%100
86	M98	Z	0	0	0	%100
87	OVP	X	-6.132	-6.132	0	%100
88	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft. %]	End Location[ft. %]
1	M1	X	-3.86	-3.86	0	%100
2	M1	Z	-2.228	-2.228	0	%100
3	M2	X	-15.439	-15.439	0	%100
4	M2	Z	-8.914	-8.914	0	%100
5	M3	X	-3.86	-3.86	0	%100
6	M3	Z	-2.228	-2.228	0	%100
7	M4	X	-14.733	-14.733	0	%100
8	M4	Z	-8.506	-8.506	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-14.733	-14.733	0	%100
12	M6	Z	-8.506	-8.506	0	%100
13	M7	X	-3.86	-3.86	0	%100
14	M7	Z	-2.228	-2.228	0	%100
15	M8	X	-15.439	-15.439	0	%100
16	M8	Z	-8.914	-8.914	0	%100
17	M9	X	-3.86	-3.86	0	%100
18	M9	Z	-2.228	-2.228	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-9.842	-9.842	0	%100
22	M11	Z	-5.683	-5.683	0	%100
23	M12	X	-9.842	-9.842	0	%100
24	M12	Z	-5.683	-5.683	0	%100
25	MP1A	X	-7.334	-7.334	0	%100
26	MP1A	Z	-4.234	-4.234	0	%100
27	MP2A	X	-7.334	-7.334	0	%100
28	MP2A	Z	-4.234	-4.234	0	%100
29	MP3A	X	-7.334	-7.334	0	%100
30	MP3A	Z	-4.234	-4.234	0	%100
31	MP4A	X	-7.334	-7.334	0	%100
32	MP4A	Z	-4.234	-4.234	0	%100
33	MP1B	X	-7.334	-7.334	0	%100
34	MP1B	Z	-4.234	-4.234	0	%100
35	MP2B	X	-7.334	-7.334	0	%100
36	MP2B	Z	-4.234	-4.234	0	%100
37	MP3B	X	-7.334	-7.334	0	%100
38	MP3B	Z	-4.234	-4.234	0	%100
39	MP4B	X	-7.334	-7.334	0	%100
40	MP4B	Z	-4.234	-4.234	0	%100
41	MP1C	X	-7.334	-7.334	0	%100
42	MP1C	Z	-4.234	-4.234	0	%100
43	MP2C	X	-7.334	-7.334	0	%100
44	MP2C	Z	-4.234	-4.234	0	%100
45	MP3C	X	-7.334	-7.334	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
46	MP3C	Z	-4.234	-4.234	0	%100
47	MP4C	X	-7.334	-7.334	0	%100
48	MP4C	Z	-4.234	-4.234	0	%100
49	M25	X	-1.833	-1.833	0	%100
50	M25	Z	-1.059	-1.059	0	%100
51	M26	X	-7.334	-7.334	0	%100
52	M26	Z	-4.234	-4.234	0	%100
53	M27	X	-1.833	-1.833	0	%100
54	M27	Z	-1.059	-1.059	0	%100
55	M28	X	-2.468	-2.468	0	%100
56	M28	Z	-1.425	-1.425	0	%100
57	M67	X	-1.833	-1.833	0	%100
58	M67	Z	-1.059	-1.059	0	%100
59	M68	X	-7.334	-7.334	0	%100
60	M68	Z	-4.234	-4.234	0	%100
61	M69	X	-1.833	-1.833	0	%100
62	M69	Z	-1.059	-1.059	0	%100
63	M91	X	-11.296	-11.296	0	%100
64	M91	Z	-6.522	-6.522	0	%100
65	M92	X	-2.337	-2.337	0	%100
66	M92	Z	-1.349	-1.349	0	%100
67	M93	X	-8.353	-8.353	0	%100
68	M93	Z	-4.822	-4.822	0	%100
69	M94	X	-8.353	-8.353	0	%100
70	M94	Z	-4.822	-4.822	0	%100
71	M95	X	-11.296	-11.296	0	%100
72	M95	Z	-6.522	-6.522	0	%100
73	M96	X	-2.337	-2.337	0	%100
74	M96	Z	-1.349	-1.349	0	%100
75	M88	X	-2.468	-2.468	0	%100
76	M88	Z	-1.425	-1.425	0	%100
77	M89	X	-2.639	-2.639	0	%100
78	M89	Z	-1.524	-1.524	0	%100
79	M90	X	-9.87	-9.87	0	%100
80	M90	Z	-5.698	-5.698	0	%100
81	M92A	X	-9.87	-9.87	0	%100
82	M92A	Z	-5.698	-5.698	0	%100
83	M96A	X	-2.468	-2.468	0	%100
84	M96A	Z	-1.425	-1.425	0	%100
85	M98	X	-2.468	-2.468	0	%100
86	M98	Z	-1.425	-1.425	0	%100
87	OVP	X	-5.311	-5.311	0	%100
88	OVP	Z	-3.066	-3.066	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-6.685	-6.685	0	%100
2	M1	Z	-11.579	-11.579	0	%100
3	M2	X	-6.685	-6.685	0	%100
4	M2	Z	-11.579	-11.579	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-2.835	-2.835	0	%100
8	M4	Z	-4.911	-4.911	0	%100
9	M5	X	-2.835	-2.835	0	%100
10	M5	Z	-4.911	-4.911	0	%100
11	M6	X	-11.342	-11.342	0	%100
12	M6	Z	-19.645	-19.645	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft. %]	End Location[ft. %]
13	M7	X	-6.685	-6.685	0	%100
14	M7	Z	-11.579	-11.579	0	%100
15	M8	X	-6.685	-6.685	0	%100
16	M8	Z	-11.579	-11.579	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-1.894	-1.894	0	%100
20	M10	Z	-3.281	-3.281	0	%100
21	M11	X	-7.577	-7.577	0	%100
22	M11	Z	-13.123	-13.123	0	%100
23	M12	X	-1.894	-1.894	0	%100
24	M12	Z	-3.281	-3.281	0	%100
25	MP1A	X	-4.234	-4.234	0	%100
26	MP1A	Z	-7.334	-7.334	0	%100
27	MP2A	X	-4.234	-4.234	0	%100
28	MP2A	Z	-7.334	-7.334	0	%100
29	MP3A	X	-4.234	-4.234	0	%100
30	MP3A	Z	-7.334	-7.334	0	%100
31	MP4A	X	-4.234	-4.234	0	%100
32	MP4A	Z	-7.334	-7.334	0	%100
33	MP1B	X	-4.234	-4.234	0	%100
34	MP1B	Z	-7.334	-7.334	0	%100
35	MP2B	X	-4.234	-4.234	0	%100
36	MP2B	Z	-7.334	-7.334	0	%100
37	MP3B	X	-4.234	-4.234	0	%100
38	MP3B	Z	-7.334	-7.334	0	%100
39	MP4B	X	-4.234	-4.234	0	%100
40	MP4B	Z	-7.334	-7.334	0	%100
41	MP1C	X	-4.234	-4.234	0	%100
42	MP1C	Z	-7.334	-7.334	0	%100
43	MP2C	X	-4.234	-4.234	0	%100
44	MP2C	Z	-7.334	-7.334	0	%100
45	MP3C	X	-4.234	-4.234	0	%100
46	MP3C	Z	-7.334	-7.334	0	%100
47	MP4C	X	-4.234	-4.234	0	%100
48	MP4C	Z	-7.334	-7.334	0	%100
49	M25	X	-3.176	-3.176	0	%100
50	M25	Z	-5.5	-5.5	0	%100
51	M26	X	-3.176	-3.176	0	%100
52	M26	Z	-5.5	-5.5	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	0	0	0	%100
57	M67	X	-3.176	-3.176	0	%100
58	M67	Z	-5.5	-5.5	0	%100
59	M68	X	-3.176	-3.176	0	%100
60	M68	Z	-5.5	-5.5	0	%100
61	M69	X	0	0	0	%100
62	M69	Z	0	0	0	%100
63	M91	X	-7.113	-7.113	0	%100
64	M91	Z	-12.32	-12.32	0	%100
65	M92	X	-1.941	-1.941	0	%100
66	M92	Z	-3.361	-3.361	0	%100
67	M93	X	-7.113	-7.113	0	%100
68	M93	Z	-12.32	-12.32	0	%100
69	M94	X	-1.941	-1.941	0	%100
70	M94	Z	-3.361	-3.361	0	%100
71	M95	X	-3.64	-3.64	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
72	M95	Z	-6.305	-6.305	0	%100
73	M96	X	-3.64	-3.64	0	%100
74	M96	Z	-6.305	-6.305	0	%100
75	M88	X	0	0	0	%100
76	M88	Z	0	0	0	%100
77	M89	X	-4.571	-4.571	0	%100
78	M89	Z	-7.917	-7.917	0	%100
79	M90	X	-4.274	-4.274	0	%100
80	M90	Z	-7.403	-7.403	0	%100
81	M92A	X	-4.274	-4.274	0	%100
82	M92A	Z	-7.403	-7.403	0	%100
83	M96A	X	-4.274	-4.274	0	%100
84	M96A	Z	-7.403	-7.403	0	%100
85	M98	X	-4.274	-4.274	0	%100
86	M98	Z	-7.403	-7.403	0	%100
87	OVP	X	-3.066	-3.066	0	%100
88	OVP	Z	-5.311	-5.311	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-5.28	-5.28	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-1.32	-1.32	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-1.32	-1.32	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-4.13	-4.13	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-4.13	-4.13	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-5.241	-5.241	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-1.31	-1.31	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-1.31	-1.31	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-3.266	-3.266	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-3.266	-3.266	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	-3.607	-3.607	0	%100
27	MP2A	X	0	0	0	%100
28	MP2A	Z	-3.607	-3.607	0	%100
29	MP3A	X	0	0	0	%100
30	MP3A	Z	-3.607	-3.607	0	%100
31	MP4A	X	0	0	0	%100
32	MP4A	Z	-3.607	-3.607	0	%100
33	MP1B	X	0	0	0	%100
34	MP1B	Z	-3.607	-3.607	0	%100
35	MP2B	X	0	0	0	%100
36	MP2B	Z	-3.607	-3.607	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	-3.607	-3.607	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
39	MP4B	X	0	0	0	%100
40	MP4B	Z	-3.607	-3.607	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	-3.607	-3.607	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	-3.607	-3.607	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	-3.607	-3.607	0	%100
47	MP4C	X	0	0	0	%100
48	MP4C	Z	-3.607	-3.607	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	-3.655	-3.655	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	-.914	-.914	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	-.914	-.914	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	-.825	-.825	0	%100
57	M67	X	0	0	0	%100
58	M67	Z	-3.655	-3.655	0	%100
59	M68	X	0	0	0	%100
60	M68	Z	-.914	-.914	0	%100
61	M69	X	0	0	0	%100
62	M69	Z	-.914	-.914	0	%100
63	M91	X	0	0	0	%100
64	M91	Z	-2.904	-2.904	0	%100
65	M92	X	0	0	0	%100
66	M92	Z	-2.904	-2.904	0	%100
67	M93	X	0	0	0	%100
68	M93	Z	-3.927	-3.927	0	%100
69	M94	X	0	0	0	%100
70	M94	Z	-.813	-.813	0	%100
71	M95	X	0	0	0	%100
72	M95	Z	-.813	-.813	0	%100
73	M96	X	0	0	0	%100
74	M96	Z	-3.927	-3.927	0	%100
75	M88	X	0	0	0	%100
76	M88	Z	-.825	-.825	0	%100
77	M89	X	0	0	0	%100
78	M89	Z	-3.505	-3.505	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	-.825	-.825	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	-.825	-.825	0	%100
83	M96A	X	0	0	0	%100
84	M96A	Z	-3.299	-3.299	0	%100
85	M98	X	0	0	0	%100
86	M98	Z	-3.299	-3.299	0	%100
87	OVP	X	0	0	0	%100
88	OVP	Z	-2.513	-2.513	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.98	1.98	0	%100
2	M1	Z	-3.43	-3.43	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	1.98	1.98	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
6	M3	Z	-3.43	-3.43	0	%100
7	M4	X	.688	.688	0	%100
8	M4	Z	-1.192	-1.192	0	%100
9	M5	X	2.754	2.754	0	%100
10	M5	Z	-4.769	-4.769	0	%100
11	M6	X	.688	.688	0	%100
12	M6	Z	-1.192	-1.192	0	%100
13	M7	X	1.966	1.966	0	%100
14	M7	Z	-3.404	-3.404	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	1.966	1.966	0	%100
18	M9	Z	-3.404	-3.404	0	%100
19	M10	X	2.177	2.177	0	%100
20	M10	Z	-3.771	-3.771	0	%100
21	M11	X	.544	.544	0	%100
22	M11	Z	-.943	-.943	0	%100
23	M12	X	.544	.544	0	%100
24	M12	Z	-.943	-.943	0	%100
25	MP1A	X	1.803	1.803	0	%100
26	MP1A	Z	-3.123	-3.123	0	%100
27	MP2A	X	1.803	1.803	0	%100
28	MP2A	Z	-3.123	-3.123	0	%100
29	MP3A	X	1.803	1.803	0	%100
30	MP3A	Z	-3.123	-3.123	0	%100
31	MP4A	X	1.803	1.803	0	%100
32	MP4A	Z	-3.123	-3.123	0	%100
33	MP1B	X	1.803	1.803	0	%100
34	MP1B	Z	-3.123	-3.123	0	%100
35	MP2B	X	1.803	1.803	0	%100
36	MP2B	Z	-3.123	-3.123	0	%100
37	MP3B	X	1.803	1.803	0	%100
38	MP3B	Z	-3.123	-3.123	0	%100
39	MP4B	X	1.803	1.803	0	%100
40	MP4B	Z	-3.123	-3.123	0	%100
41	MP1C	X	1.803	1.803	0	%100
42	MP1C	Z	-3.123	-3.123	0	%100
43	MP2C	X	1.803	1.803	0	%100
44	MP2C	Z	-3.123	-3.123	0	%100
45	MP3C	X	1.803	1.803	0	%100
46	MP3C	Z	-3.123	-3.123	0	%100
47	MP4C	X	1.803	1.803	0	%100
48	MP4C	Z	-3.123	-3.123	0	%100
49	M25	X	1.371	1.371	0	%100
50	M25	Z	-2.374	-2.374	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	1.371	1.371	0	%100
54	M27	Z	-2.374	-2.374	0	%100
55	M28	X	1.237	1.237	0	%100
56	M28	Z	-2.143	-2.143	0	%100
57	M67	X	1.371	1.371	0	%100
58	M67	Z	-2.374	-2.374	0	%100
59	M68	X	0	0	0	%100
60	M68	Z	0	0	0	%100
61	M69	X	1.371	1.371	0	%100
62	M69	Z	-2.374	-2.374	0	%100
63	M91	X	.584	.584	0	%100
64	M91	Z	-1.012	-1.012	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft,%]	End Location[ft,%]
65	M92	X	2.142	2.142	0	%100
66	M92	Z	-3.709	-3.709	0	%100
67	M93	X	1.096	1.096	0	%100
68	M93	Z	-1.898	-1.898	0	%100
69	M94	X	1.096	1.096	0	%100
70	M94	Z	-1.898	-1.898	0	%100
71	M95	X	.584	.584	0	%100
72	M95	Z	-1.012	-1.012	0	%100
73	M96	X	2.142	2.142	0	%100
74	M96	Z	-3.709	-3.709	0	%100
75	M88	X	1.237	1.237	0	%100
76	M88	Z	-2.143	-2.143	0	%100
77	M89	X	1.314	1.314	0	%100
78	M89	Z	-2.277	-2.277	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	0	0	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	0	0	0	%100
83	M96A	X	1.237	1.237	0	%100
84	M96A	Z	-2.143	-2.143	0	%100
85	M98	X	1.237	1.237	0	%100
86	M98	Z	-2.143	-2.143	0	%100
87	OVP	X	1.257	1.257	0	%100
88	OVP	Z	-2.177	-2.177	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.143	1.143	0	%100
2	M1	Z	-.66	-.66	0	%100
3	M2	X	1.143	1.143	0	%100
4	M2	Z	-.66	-.66	0	%100
5	M3	X	4.573	4.573	0	%100
6	M3	Z	-2.64	-2.64	0	%100
7	M4	X	3.577	3.577	0	%100
8	M4	Z	-2.065	-2.065	0	%100
9	M5	X	3.577	3.577	0	%100
10	M5	Z	-2.065	-2.065	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	1.135	1.135	0	%100
14	M7	Z	-.655	-.655	0	%100
15	M8	X	1.135	1.135	0	%100
16	M8	Z	-.655	-.655	0	%100
17	M9	X	4.539	4.539	0	%100
18	M9	Z	-2.621	-2.621	0	%100
19	M10	X	2.828	2.828	0	%100
20	M10	Z	-1.633	-1.633	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	2.828	2.828	0	%100
24	M12	Z	-1.633	-1.633	0	%100
25	MP1A	X	3.123	3.123	0	%100
26	MP1A	Z	-1.803	-1.803	0	%100
27	MP2A	X	3.123	3.123	0	%100
28	MP2A	Z	-1.803	-1.803	0	%100
29	MP3A	X	3.123	3.123	0	%100
30	MP3A	Z	-1.803	-1.803	0	%100
31	MP4A	X	3.123	3.123	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
32	MP4A	Z	-1.803	-1.803	0	%100
33	MP1B	X	3.123	3.123	0	%100
34	MP1B	Z	-1.803	-1.803	0	%100
35	MP2B	X	3.123	3.123	0	%100
36	MP2B	Z	-1.803	-1.803	0	%100
37	MP3B	X	3.123	3.123	0	%100
38	MP3B	Z	-1.803	-1.803	0	%100
39	MP4B	X	3.123	3.123	0	%100
40	MP4B	Z	-1.803	-1.803	0	%100
41	MP1C	X	3.123	3.123	0	%100
42	MP1C	Z	-1.803	-1.803	0	%100
43	MP2C	X	3.123	3.123	0	%100
44	MP2C	Z	-1.803	-1.803	0	%100
45	MP3C	X	3.123	3.123	0	%100
46	MP3C	Z	-1.803	-1.803	0	%100
47	MP4C	X	3.123	3.123	0	%100
48	MP4C	Z	-1.803	-1.803	0	%100
49	M25	X	.791	.791	0	%100
50	M25	Z	-.457	-.457	0	%100
51	M26	X	.791	.791	0	%100
52	M26	Z	-.457	-.457	0	%100
53	M27	X	3.166	3.166	0	%100
54	M27	Z	-1.828	-1.828	0	%100
55	M28	X	2.857	2.857	0	%100
56	M28	Z	-1.649	-1.649	0	%100
57	M67	X	.791	.791	0	%100
58	M67	Z	-.457	-.457	0	%100
59	M68	X	.791	.791	0	%100
60	M68	Z	-.457	-.457	0	%100
61	M69	X	3.166	3.166	0	%100
62	M69	Z	-1.828	-1.828	0	%100
63	M91	X	.704	.704	0	%100
64	M91	Z	-.406	-.406	0	%100
65	M92	X	3.401	3.401	0	%100
66	M92	Z	-1.964	-1.964	0	%100
67	M93	X	.704	.704	0	%100
68	M93	Z	-.406	-.406	0	%100
69	M94	X	3.401	3.401	0	%100
70	M94	Z	-1.964	-1.964	0	%100
71	M95	X	2.515	2.515	0	%100
72	M95	Z	-1.452	-1.452	0	%100
73	M96	X	2.515	2.515	0	%100
74	M96	Z	-1.452	-1.452	0	%100
75	M88	X	2.857	2.857	0	%100
76	M88	Z	-1.649	-1.649	0	%100
77	M89	X	.759	.759	0	%100
78	M89	Z	-.438	-.438	0	%100
79	M90	X	.714	.714	0	%100
80	M90	Z	-.412	-.412	0	%100
81	M92A	X	.714	.714	0	%100
82	M92A	Z	-.412	-.412	0	%100
83	M96A	X	.714	.714	0	%100
84	M96A	Z	-.412	-.412	0	%100
85	M98	X	.714	.714	0	%100
86	M98	Z	-.412	-.412	0	%100
87	OVP	X	2.177	2.177	0	%100
88	OVP	Z	-1.257	-1.257	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	3.96	3.96	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	3.96	3.96	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	5.507	5.507	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	1.377	1.377	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	1.377	1.377	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	3.931	3.931	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	3.931	3.931	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	1.089	1.089	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	1.089	1.089	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	4.355	4.355	0	%100
24	M12	Z	0	0	0	%100
25	MP1A	X	3.607	3.607	0	%100
26	MP1A	Z	0	0	0	%100
27	MP2A	X	3.607	3.607	0	%100
28	MP2A	Z	0	0	0	%100
29	MP3A	X	3.607	3.607	0	%100
30	MP3A	Z	0	0	0	%100
31	MP4A	X	3.607	3.607	0	%100
32	MP4A	Z	0	0	0	%100
33	MP1B	X	3.607	3.607	0	%100
34	MP1B	Z	0	0	0	%100
35	MP2B	X	3.607	3.607	0	%100
36	MP2B	Z	0	0	0	%100
37	MP3B	X	3.607	3.607	0	%100
38	MP3B	Z	0	0	0	%100
39	MP4B	X	3.607	3.607	0	%100
40	MP4B	Z	0	0	0	%100
41	MP1C	X	3.607	3.607	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2C	X	3.607	3.607	0	%100
44	MP2C	Z	0	0	0	%100
45	MP3C	X	3.607	3.607	0	%100
46	MP3C	Z	0	0	0	%100
47	MP4C	X	3.607	3.607	0	%100
48	MP4C	Z	0	0	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	2.742	2.742	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	2.742	2.742	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	2.474	2.474	0	%100
56	M28	Z	0	0	0	%100
57	M67	X	0	0	0	%100
58	M67	Z	0	0	0	%100
59	M68	X	2.742	2.742	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft,%]	End Location[ft,%]
60	M68	Z	0	0	0	%100
61	M69	X	2.742	2.742	0	%100
62	M69	Z	0	0	0	%100
63	M91	X	2.192	2.192	0	%100
64	M91	Z	0	0	0	%100
65	M92	X	2.192	2.192	0	%100
66	M92	Z	0	0	0	%100
67	M93	X	1.169	1.169	0	%100
68	M93	Z	0	0	0	%100
69	M94	X	4.283	4.283	0	%100
70	M94	Z	0	0	0	%100
71	M95	X	4.283	4.283	0	%100
72	M95	Z	0	0	0	%100
73	M96	X	1.169	1.169	0	%100
74	M96	Z	0	0	0	%100
75	M88	X	2.474	2.474	0	%100
76	M88	Z	0	0	0	%100
77	M89	X	0	0	0	%100
78	M89	Z	0	0	0	%100
79	M90	X	2.474	2.474	0	%100
80	M90	Z	0	0	0	%100
81	M92A	X	2.474	2.474	0	%100
82	M92A	Z	0	0	0	%100
83	M96A	X	0	0	0	%100
84	M96A	Z	0	0	0	%100
85	M98	X	0	0	0	%100
86	M98	Z	0	0	0	%100
87	OVP	X	2.513	2.513	0	%100
88	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.143	1.143	0	%100
2	M1	Z	.66	.66	0	%100
3	M2	X	4.573	4.573	0	%100
4	M2	Z	2.64	2.64	0	%100
5	M3	X	1.143	1.143	0	%100
6	M3	Z	.66	.66	0	%100
7	M4	X	3.577	3.577	0	%100
8	M4	Z	2.065	2.065	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	3.577	3.577	0	%100
12	M6	Z	2.065	2.065	0	%100
13	M7	X	1.135	1.135	0	%100
14	M7	Z	.655	.655	0	%100
15	M8	X	4.539	4.539	0	%100
16	M8	Z	2.621	2.621	0	%100
17	M9	X	1.135	1.135	0	%100
18	M9	Z	.655	.655	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	2.828	2.828	0	%100
22	M11	Z	1.633	1.633	0	%100
23	M12	X	2.828	2.828	0	%100
24	M12	Z	1.633	1.633	0	%100
25	MP1A	X	3.123	3.123	0	%100
26	MP1A	Z	1.803	1.803	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
27	MP2A	X	3.123	3.123	0	%100
28	MP2A	Z	1.803	1.803	0	%100
29	MP3A	X	3.123	3.123	0	%100
30	MP3A	Z	1.803	1.803	0	%100
31	MP4A	X	3.123	3.123	0	%100
32	MP4A	Z	1.803	1.803	0	%100
33	MP1B	X	3.123	3.123	0	%100
34	MP1B	Z	1.803	1.803	0	%100
35	MP2B	X	3.123	3.123	0	%100
36	MP2B	Z	1.803	1.803	0	%100
37	MP3B	X	3.123	3.123	0	%100
38	MP3B	Z	1.803	1.803	0	%100
39	MP4B	X	3.123	3.123	0	%100
40	MP4B	Z	1.803	1.803	0	%100
41	MP1C	X	3.123	3.123	0	%100
42	MP1C	Z	1.803	1.803	0	%100
43	MP2C	X	3.123	3.123	0	%100
44	MP2C	Z	1.803	1.803	0	%100
45	MP3C	X	3.123	3.123	0	%100
46	MP3C	Z	1.803	1.803	0	%100
47	MP4C	X	3.123	3.123	0	%100
48	MP4C	Z	1.803	1.803	0	%100
49	M25	X	.791	.791	0	%100
50	M25	Z	.457	.457	0	%100
51	M26	X	3.166	3.166	0	%100
52	M26	Z	1.828	1.828	0	%100
53	M27	X	.791	.791	0	%100
54	M27	Z	.457	.457	0	%100
55	M28	X	.714	.714	0	%100
56	M28	Z	.412	.412	0	%100
57	M67	X	.791	.791	0	%100
58	M67	Z	.457	.457	0	%100
59	M68	X	3.166	3.166	0	%100
60	M68	Z	1.828	1.828	0	%100
61	M69	X	.791	.791	0	%100
62	M69	Z	.457	.457	0	%100
63	M91	X	3.401	3.401	0	%100
64	M91	Z	1.964	1.964	0	%100
65	M92	X	.704	.704	0	%100
66	M92	Z	.406	.406	0	%100
67	M93	X	2.515	2.515	0	%100
68	M93	Z	1.452	1.452	0	%100
69	M94	X	2.515	2.515	0	%100
70	M94	Z	1.452	1.452	0	%100
71	M95	X	3.401	3.401	0	%100
72	M95	Z	1.964	1.964	0	%100
73	M96	X	.704	.704	0	%100
74	M96	Z	.406	.406	0	%100
75	M88	X	.714	.714	0	%100
76	M88	Z	.412	.412	0	%100
77	M89	X	.759	.759	0	%100
78	M89	Z	.438	.438	0	%100
79	M90	X	2.857	2.857	0	%100
80	M90	Z	1.649	1.649	0	%100
81	M92A	X	2.857	2.857	0	%100
82	M92A	Z	1.649	1.649	0	%100
83	M96A	X	.714	.714	0	%100
84	M96A	Z	.412	.412	0	%100
85	M98	X	.714	.714	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
86	M98	Z	.412	.412	0	%100
87	OVP	X	2.177	2.177	0	%100
88	OVP	Z	1.257	1.257	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.98	1.98	0	%100
2	M1	Z	3.43	3.43	0	%100
3	M2	X	1.98	1.98	0	%100
4	M2	Z	3.43	3.43	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.688	.688	0	%100
8	M4	Z	1.192	1.192	0	%100
9	M5	X	.688	.688	0	%100
10	M5	Z	1.192	1.192	0	%100
11	M6	X	2.754	2.754	0	%100
12	M6	Z	4.769	4.769	0	%100
13	M7	X	1.966	1.966	0	%100
14	M7	Z	3.404	3.404	0	%100
15	M8	X	1.966	1.966	0	%100
16	M8	Z	3.404	3.404	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	.544	.544	0	%100
20	M10	Z	.943	.943	0	%100
21	M11	X	2.177	2.177	0	%100
22	M11	Z	3.771	3.771	0	%100
23	M12	X	.544	.544	0	%100
24	M12	Z	.943	.943	0	%100
25	MP1A	X	1.803	1.803	0	%100
26	MP1A	Z	3.123	3.123	0	%100
27	MP2A	X	1.803	1.803	0	%100
28	MP2A	Z	3.123	3.123	0	%100
29	MP3A	X	1.803	1.803	0	%100
30	MP3A	Z	3.123	3.123	0	%100
31	MP4A	X	1.803	1.803	0	%100
32	MP4A	Z	3.123	3.123	0	%100
33	MP1B	X	1.803	1.803	0	%100
34	MP1B	Z	3.123	3.123	0	%100
35	MP2B	X	1.803	1.803	0	%100
36	MP2B	Z	3.123	3.123	0	%100
37	MP3B	X	1.803	1.803	0	%100
38	MP3B	Z	3.123	3.123	0	%100
39	MP4B	X	1.803	1.803	0	%100
40	MP4B	Z	3.123	3.123	0	%100
41	MP1C	X	1.803	1.803	0	%100
42	MP1C	Z	3.123	3.123	0	%100
43	MP2C	X	1.803	1.803	0	%100
44	MP2C	Z	3.123	3.123	0	%100
45	MP3C	X	1.803	1.803	0	%100
46	MP3C	Z	3.123	3.123	0	%100
47	MP4C	X	1.803	1.803	0	%100
48	MP4C	Z	3.123	3.123	0	%100
49	M25	X	1.371	1.371	0	%100
50	M25	Z	2.374	2.374	0	%100
51	M26	X	1.371	1.371	0	%100
52	M26	Z	2.374	2.374	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
53	M27	X	0	0	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	0	0	0	%100
57	M67	X	1.371	1.371	0	%100
58	M67	Z	2.374	2.374	0	%100
59	M68	X	1.371	1.371	0	%100
60	M68	Z	2.374	2.374	0	%100
61	M69	X	0	0	0	%100
62	M69	Z	0	0	0	%100
63	M91	X	2.142	2.142	0	%100
64	M91	Z	3.709	3.709	0	%100
65	M92	X	.584	.584	0	%100
66	M92	Z	1.012	1.012	0	%100
67	M93	X	2.142	2.142	0	%100
68	M93	Z	3.709	3.709	0	%100
69	M94	X	.584	.584	0	%100
70	M94	Z	1.012	1.012	0	%100
71	M95	X	1.096	1.096	0	%100
72	M95	Z	1.898	1.898	0	%100
73	M96	X	1.096	1.096	0	%100
74	M96	Z	1.898	1.898	0	%100
75	M88	X	0	0	0	%100
76	M88	Z	0	0	0	%100
77	M89	X	1.314	1.314	0	%100
78	M89	Z	2.277	2.277	0	%100
79	M90	X	1.237	1.237	0	%100
80	M90	Z	2.143	2.143	0	%100
81	M92A	X	1.237	1.237	0	%100
82	M92A	Z	2.143	2.143	0	%100
83	M96A	X	1.237	1.237	0	%100
84	M96A	Z	2.143	2.143	0	%100
85	M98	X	1.237	1.237	0	%100
86	M98	Z	2.143	2.143	0	%100
87	OVP	X	1.257	1.257	0	%100
88	OVP	Z	2.177	2.177	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	5.28	5.28	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	1.32	1.32	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	1.32	1.32	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	4.13	4.13	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	4.13	4.13	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	5.241	5.241	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	1.31	1.31	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	1.31	1.31	0	%100
19	M10	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
20	M10	Z	3.266	3.266	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	3.266	3.266	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	3.607	3.607	0	%100
27	MP2A	X	0	0	0	%100
28	MP2A	Z	3.607	3.607	0	%100
29	MP3A	X	0	0	0	%100
30	MP3A	Z	3.607	3.607	0	%100
31	MP4A	X	0	0	0	%100
32	MP4A	Z	3.607	3.607	0	%100
33	MP1B	X	0	0	0	%100
34	MP1B	Z	3.607	3.607	0	%100
35	MP2B	X	0	0	0	%100
36	MP2B	Z	3.607	3.607	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	3.607	3.607	0	%100
39	MP4B	X	0	0	0	%100
40	MP4B	Z	3.607	3.607	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	3.607	3.607	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	3.607	3.607	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	3.607	3.607	0	%100
47	MP4C	X	0	0	0	%100
48	MP4C	Z	3.607	3.607	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	3.655	3.655	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	.914	.914	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	.914	.914	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	.825	.825	0	%100
57	M67	X	0	0	0	%100
58	M67	Z	3.655	3.655	0	%100
59	M68	X	0	0	0	%100
60	M68	Z	.914	.914	0	%100
61	M69	X	0	0	0	%100
62	M69	Z	.914	.914	0	%100
63	M91	X	0	0	0	%100
64	M91	Z	2.904	2.904	0	%100
65	M92	X	0	0	0	%100
66	M92	Z	2.904	2.904	0	%100
67	M93	X	0	0	0	%100
68	M93	Z	3.927	3.927	0	%100
69	M94	X	0	0	0	%100
70	M94	Z	.813	.813	0	%100
71	M95	X	0	0	0	%100
72	M95	Z	.813	.813	0	%100
73	M96	X	0	0	0	%100
74	M96	Z	3.927	3.927	0	%100
75	M88	X	0	0	0	%100
76	M88	Z	.825	.825	0	%100
77	M89	X	0	0	0	%100
78	M89	Z	3.505	3.505	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
79	M90	X	0	0	0	%100
80	M90	Z	.825	.825	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	.825	.825	0	%100
83	M96A	X	0	0	0	%100
84	M96A	Z	3.299	3.299	0	%100
85	M98	X	0	0	0	%100
86	M98	Z	3.299	3.299	0	%100
87	OVP	X	0	0	0	%100
88	OVP	Z	2.513	2.513	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-1.98	-1.98	0	%100
2	M1	Z	3.43	3.43	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-1.98	-1.98	0	%100
6	M3	Z	3.43	3.43	0	%100
7	M4	X	-.688	-.688	0	%100
8	M4	Z	1.192	1.192	0	%100
9	M5	X	-2.754	-2.754	0	%100
10	M5	Z	4.769	4.769	0	%100
11	M6	X	-.688	-.688	0	%100
12	M6	Z	1.192	1.192	0	%100
13	M7	X	-1.966	-1.966	0	%100
14	M7	Z	3.404	3.404	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-1.966	-1.966	0	%100
18	M9	Z	3.404	3.404	0	%100
19	M10	X	-2.177	-2.177	0	%100
20	M10	Z	3.771	3.771	0	%100
21	M11	X	-.544	-.544	0	%100
22	M11	Z	.943	.943	0	%100
23	M12	X	-.544	-.544	0	%100
24	M12	Z	.943	.943	0	%100
25	MP1A	X	-1.803	-1.803	0	%100
26	MP1A	Z	3.123	3.123	0	%100
27	MP2A	X	-1.803	-1.803	0	%100
28	MP2A	Z	3.123	3.123	0	%100
29	MP3A	X	-1.803	-1.803	0	%100
30	MP3A	Z	3.123	3.123	0	%100
31	MP4A	X	-1.803	-1.803	0	%100
32	MP4A	Z	3.123	3.123	0	%100
33	MP1B	X	-1.803	-1.803	0	%100
34	MP1B	Z	3.123	3.123	0	%100
35	MP2B	X	-1.803	-1.803	0	%100
36	MP2B	Z	3.123	3.123	0	%100
37	MP3B	X	-1.803	-1.803	0	%100
38	MP3B	Z	3.123	3.123	0	%100
39	MP4B	X	-1.803	-1.803	0	%100
40	MP4B	Z	3.123	3.123	0	%100
41	MP1C	X	-1.803	-1.803	0	%100
42	MP1C	Z	3.123	3.123	0	%100
43	MP2C	X	-1.803	-1.803	0	%100
44	MP2C	Z	3.123	3.123	0	%100
45	MP3C	X	-1.803	-1.803	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
46	MP3C	Z	3.123	3.123	0	%100
47	MP4C	X	-1.803	-1.803	0	%100
48	MP4C	Z	3.123	3.123	0	%100
49	M25	X	-1.371	-1.371	0	%100
50	M25	Z	2.374	2.374	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-1.371	-1.371	0	%100
54	M27	Z	2.374	2.374	0	%100
55	M28	X	-1.237	-1.237	0	%100
56	M28	Z	2.143	2.143	0	%100
57	M67	X	-1.371	-1.371	0	%100
58	M67	Z	2.374	2.374	0	%100
59	M68	X	0	0	0	%100
60	M68	Z	0	0	0	%100
61	M69	X	-1.371	-1.371	0	%100
62	M69	Z	2.374	2.374	0	%100
63	M91	X	-.584	-.584	0	%100
64	M91	Z	1.012	1.012	0	%100
65	M92	X	-2.142	-2.142	0	%100
66	M92	Z	3.709	3.709	0	%100
67	M93	X	-1.096	-1.096	0	%100
68	M93	Z	1.898	1.898	0	%100
69	M94	X	-1.096	-1.096	0	%100
70	M94	Z	1.898	1.898	0	%100
71	M95	X	-.584	-.584	0	%100
72	M95	Z	1.012	1.012	0	%100
73	M96	X	-2.142	-2.142	0	%100
74	M96	Z	3.709	3.709	0	%100
75	M88	X	-1.237	-1.237	0	%100
76	M88	Z	2.143	2.143	0	%100
77	M89	X	-1.314	-1.314	0	%100
78	M89	Z	2.277	2.277	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	0	0	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	0	0	0	%100
83	M96A	X	-1.237	-1.237	0	%100
84	M96A	Z	2.143	2.143	0	%100
85	M98	X	-1.237	-1.237	0	%100
86	M98	Z	2.143	2.143	0	%100
87	OVP	X	-1.257	-1.257	0	%100
88	OVP	Z	2.177	2.177	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-1.143	-1.143	0	%100
2	M1	Z	.66	.66	0	%100
3	M2	X	-1.143	-1.143	0	%100
4	M2	Z	.66	.66	0	%100
5	M3	X	-4.573	-4.573	0	%100
6	M3	Z	2.64	2.64	0	%100
7	M4	X	-3.577	-3.577	0	%100
8	M4	Z	2.065	2.065	0	%100
9	M5	X	-3.577	-3.577	0	%100
10	M5	Z	2.065	2.065	0	%100
11	M6	X	0	0	0	%100
12	M6	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....]	Start Location[ft.%]	End Location[ft.%]
13	M7	X	-1.135	-1.135	0	%100
14	M7	Z	.655	.655	0	%100
15	M8	X	-1.135	-1.135	0	%100
16	M8	Z	.655	.655	0	%100
17	M9	X	-4.539	-4.539	0	%100
18	M9	Z	2.621	2.621	0	%100
19	M10	X	-2.828	-2.828	0	%100
20	M10	Z	1.633	1.633	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-2.828	-2.828	0	%100
24	M12	Z	1.633	1.633	0	%100
25	MP1A	X	-3.123	-3.123	0	%100
26	MP1A	Z	1.803	1.803	0	%100
27	MP2A	X	-3.123	-3.123	0	%100
28	MP2A	Z	1.803	1.803	0	%100
29	MP3A	X	-3.123	-3.123	0	%100
30	MP3A	Z	1.803	1.803	0	%100
31	MP4A	X	-3.123	-3.123	0	%100
32	MP4A	Z	1.803	1.803	0	%100
33	MP1B	X	-3.123	-3.123	0	%100
34	MP1B	Z	1.803	1.803	0	%100
35	MP2B	X	-3.123	-3.123	0	%100
36	MP2B	Z	1.803	1.803	0	%100
37	MP3B	X	-3.123	-3.123	0	%100
38	MP3B	Z	1.803	1.803	0	%100
39	MP4B	X	-3.123	-3.123	0	%100
40	MP4B	Z	1.803	1.803	0	%100
41	MP1C	X	-3.123	-3.123	0	%100
42	MP1C	Z	1.803	1.803	0	%100
43	MP2C	X	-3.123	-3.123	0	%100
44	MP2C	Z	1.803	1.803	0	%100
45	MP3C	X	-3.123	-3.123	0	%100
46	MP3C	Z	1.803	1.803	0	%100
47	MP4C	X	-3.123	-3.123	0	%100
48	MP4C	Z	1.803	1.803	0	%100
49	M25	X	-.791	-.791	0	%100
50	M25	Z	.457	.457	0	%100
51	M26	X	-.791	-.791	0	%100
52	M26	Z	.457	.457	0	%100
53	M27	X	-3.166	-3.166	0	%100
54	M27	Z	1.828	1.828	0	%100
55	M28	X	-2.857	-2.857	0	%100
56	M28	Z	1.649	1.649	0	%100
57	M67	X	-.791	-.791	0	%100
58	M67	Z	.457	.457	0	%100
59	M68	X	-.791	-.791	0	%100
60	M68	Z	.457	.457	0	%100
61	M69	X	-3.166	-3.166	0	%100
62	M69	Z	1.828	1.828	0	%100
63	M91	X	-.704	-.704	0	%100
64	M91	Z	.406	.406	0	%100
65	M92	X	-3.401	-3.401	0	%100
66	M92	Z	1.964	1.964	0	%100
67	M93	X	-.704	-.704	0	%100
68	M93	Z	.406	.406	0	%100
69	M94	X	-3.401	-3.401	0	%100
70	M94	Z	1.964	1.964	0	%100
71	M95	X	-2.515	-2.515	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
72	M95	Z	1.452	1.452	0	%100
73	M96	X	-2.515	-2.515	0	%100
74	M96	Z	1.452	1.452	0	%100
75	M88	X	-2.857	-2.857	0	%100
76	M88	Z	1.649	1.649	0	%100
77	M89	X	-.759	-.759	0	%100
78	M89	Z	.438	.438	0	%100
79	M90	X	-.714	-.714	0	%100
80	M90	Z	.412	.412	0	%100
81	M92A	X	-.714	-.714	0	%100
82	M92A	Z	.412	.412	0	%100
83	M96A	X	-.714	-.714	0	%100
84	M96A	Z	.412	.412	0	%100
85	M98	X	-.714	-.714	0	%100
86	M98	Z	.412	.412	0	%100
87	OVP	X	-2.177	-2.177	0	%100
88	OVP	Z	1.257	1.257	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-3.96	-3.96	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-3.96	-3.96	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-5.507	-5.507	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-1.377	-1.377	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-1.377	-1.377	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-3.931	-3.931	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-3.931	-3.931	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-1.089	-1.089	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-1.089	-1.089	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-4.355	-4.355	0	%100
24	M12	Z	0	0	0	%100
25	MP1A	X	-3.607	-3.607	0	%100
26	MP1A	Z	0	0	0	%100
27	MP2A	X	-3.607	-3.607	0	%100
28	MP2A	Z	0	0	0	%100
29	MP3A	X	-3.607	-3.607	0	%100
30	MP3A	Z	0	0	0	%100
31	MP4A	X	-3.607	-3.607	0	%100
32	MP4A	Z	0	0	0	%100
33	MP1B	X	-3.607	-3.607	0	%100
34	MP1B	Z	0	0	0	%100
35	MP2B	X	-3.607	-3.607	0	%100
36	MP2B	Z	0	0	0	%100
37	MP3B	X	-3.607	-3.607	0	%100
38	MP3B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
39	MP4B	X	-3.607	-3.607	0	%100
40	MP4B	Z	0	0	0	%100
41	MP1C	X	-3.607	-3.607	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2C	X	-3.607	-3.607	0	%100
44	MP2C	Z	0	0	0	%100
45	MP3C	X	-3.607	-3.607	0	%100
46	MP3C	Z	0	0	0	%100
47	MP4C	X	-3.607	-3.607	0	%100
48	MP4C	Z	0	0	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	-2.742	-2.742	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-2.742	-2.742	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	-2.474	-2.474	0	%100
56	M28	Z	0	0	0	%100
57	M67	X	0	0	0	%100
58	M67	Z	0	0	0	%100
59	M68	X	-2.742	-2.742	0	%100
60	M68	Z	0	0	0	%100
61	M69	X	-2.742	-2.742	0	%100
62	M69	Z	0	0	0	%100
63	M91	X	-2.192	-2.192	0	%100
64	M91	Z	0	0	0	%100
65	M92	X	-2.192	-2.192	0	%100
66	M92	Z	0	0	0	%100
67	M93	X	-1.169	-1.169	0	%100
68	M93	Z	0	0	0	%100
69	M94	X	-4.283	-4.283	0	%100
70	M94	Z	0	0	0	%100
71	M95	X	-4.283	-4.283	0	%100
72	M95	Z	0	0	0	%100
73	M96	X	-1.169	-1.169	0	%100
74	M96	Z	0	0	0	%100
75	M88	X	-2.474	-2.474	0	%100
76	M88	Z	0	0	0	%100
77	M89	X	0	0	0	%100
78	M89	Z	0	0	0	%100
79	M90	X	-2.474	-2.474	0	%100
80	M90	Z	0	0	0	%100
81	M92A	X	-2.474	-2.474	0	%100
82	M92A	Z	0	0	0	%100
83	M96A	X	0	0	0	%100
84	M96A	Z	0	0	0	%100
85	M98	X	0	0	0	%100
86	M98	Z	0	0	0	%100
87	OVP	X	-2.513	-2.513	0	%100
88	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-1.143	-1.143	0	%100
2	M1	Z	-0.66	-0.66	0	%100
3	M2	X	-4.573	-4.573	0	%100
4	M2	Z	-2.64	-2.64	0	%100
5	M3	X	-1.143	-1.143	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
6	M3	Z	-0.66	-0.66	0	%100
7	M4	X	-3.577	-3.577	0	%100
8	M4	Z	-2.065	-2.065	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-3.577	-3.577	0	%100
12	M6	Z	-2.065	-2.065	0	%100
13	M7	X	-1.135	-1.135	0	%100
14	M7	Z	-0.655	-0.655	0	%100
15	M8	X	-4.539	-4.539	0	%100
16	M8	Z	-2.621	-2.621	0	%100
17	M9	X	-1.135	-1.135	0	%100
18	M9	Z	-0.655	-0.655	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-2.828	-2.828	0	%100
22	M11	Z	-1.633	-1.633	0	%100
23	M12	X	-2.828	-2.828	0	%100
24	M12	Z	-1.633	-1.633	0	%100
25	MP1A	X	-3.123	-3.123	0	%100
26	MP1A	Z	-1.803	-1.803	0	%100
27	MP2A	X	-3.123	-3.123	0	%100
28	MP2A	Z	-1.803	-1.803	0	%100
29	MP3A	X	-3.123	-3.123	0	%100
30	MP3A	Z	-1.803	-1.803	0	%100
31	MP4A	X	-3.123	-3.123	0	%100
32	MP4A	Z	-1.803	-1.803	0	%100
33	MP1B	X	-3.123	-3.123	0	%100
34	MP1B	Z	-1.803	-1.803	0	%100
35	MP2B	X	-3.123	-3.123	0	%100
36	MP2B	Z	-1.803	-1.803	0	%100
37	MP3B	X	-3.123	-3.123	0	%100
38	MP3B	Z	-1.803	-1.803	0	%100
39	MP4B	X	-3.123	-3.123	0	%100
40	MP4B	Z	-1.803	-1.803	0	%100
41	MP1C	X	-3.123	-3.123	0	%100
42	MP1C	Z	-1.803	-1.803	0	%100
43	MP2C	X	-3.123	-3.123	0	%100
44	MP2C	Z	-1.803	-1.803	0	%100
45	MP3C	X	-3.123	-3.123	0	%100
46	MP3C	Z	-1.803	-1.803	0	%100
47	MP4C	X	-3.123	-3.123	0	%100
48	MP4C	Z	-1.803	-1.803	0	%100
49	M25	X	-0.791	-0.791	0	%100
50	M25	Z	-0.457	-0.457	0	%100
51	M26	X	-3.166	-3.166	0	%100
52	M26	Z	-1.828	-1.828	0	%100
53	M27	X	-0.791	-0.791	0	%100
54	M27	Z	-0.457	-0.457	0	%100
55	M28	X	-0.714	-0.714	0	%100
56	M28	Z	-0.412	-0.412	0	%100
57	M67	X	-0.791	-0.791	0	%100
58	M67	Z	-0.457	-0.457	0	%100
59	M68	X	-3.166	-3.166	0	%100
60	M68	Z	-1.828	-1.828	0	%100
61	M69	X	-0.791	-0.791	0	%100
62	M69	Z	-0.457	-0.457	0	%100
63	M91	X	-3.401	-3.401	0	%100
64	M91	Z	-1.964	-1.964	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft,%]	End Location[ft,%]
65	M92	X	-7.704	-7.704	0	%100
66	M92	Z	-4.406	-4.406	0	%100
67	M93	X	-2.515	-2.515	0	%100
68	M93	Z	-1.452	-1.452	0	%100
69	M94	X	-2.515	-2.515	0	%100
70	M94	Z	-1.452	-1.452	0	%100
71	M95	X	-3.401	-3.401	0	%100
72	M95	Z	-1.964	-1.964	0	%100
73	M96	X	-7.704	-7.704	0	%100
74	M96	Z	-4.406	-4.406	0	%100
75	M88	X	-7.714	-7.714	0	%100
76	M88	Z	-4.412	-4.412	0	%100
77	M89	X	-7.759	-7.759	0	%100
78	M89	Z	-4.438	-4.438	0	%100
79	M90	X	-2.857	-2.857	0	%100
80	M90	Z	-1.649	-1.649	0	%100
81	M92A	X	-2.857	-2.857	0	%100
82	M92A	Z	-1.649	-1.649	0	%100
83	M96A	X	-7.714	-7.714	0	%100
84	M96A	Z	-4.412	-4.412	0	%100
85	M98	X	-7.714	-7.714	0	%100
86	M98	Z	-4.412	-4.412	0	%100
87	OVP	X	-2.177	-2.177	0	%100
88	OVP	Z	-1.257	-1.257	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.98	-1.98	0	%100
2	M1	Z	-3.43	-3.43	0	%100
3	M2	X	-1.98	-1.98	0	%100
4	M2	Z	-3.43	-3.43	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-6.88	-6.88	0	%100
8	M4	Z	-1.192	-1.192	0	%100
9	M5	X	-6.88	-6.88	0	%100
10	M5	Z	-1.192	-1.192	0	%100
11	M6	X	-2.754	-2.754	0	%100
12	M6	Z	-4.769	-4.769	0	%100
13	M7	X	-1.966	-1.966	0	%100
14	M7	Z	-3.404	-3.404	0	%100
15	M8	X	-1.966	-1.966	0	%100
16	M8	Z	-3.404	-3.404	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-5.44	-5.44	0	%100
20	M10	Z	-9.43	-9.43	0	%100
21	M11	X	-2.177	-2.177	0	%100
22	M11	Z	-3.771	-3.771	0	%100
23	M12	X	-5.44	-5.44	0	%100
24	M12	Z	-9.43	-9.43	0	%100
25	MP1A	X	-1.803	-1.803	0	%100
26	MP1A	Z	-3.123	-3.123	0	%100
27	MP2A	X	-1.803	-1.803	0	%100
28	MP2A	Z	-3.123	-3.123	0	%100
29	MP3A	X	-1.803	-1.803	0	%100
30	MP3A	Z	-3.123	-3.123	0	%100
31	MP4A	X	-1.803	-1.803	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
32	MP4A	Z	-3.123	-3.123	0	%100
33	MP1B	X	-1.803	-1.803	0	%100
34	MP1B	Z	-3.123	-3.123	0	%100
35	MP2B	X	-1.803	-1.803	0	%100
36	MP2B	Z	-3.123	-3.123	0	%100
37	MP3B	X	-1.803	-1.803	0	%100
38	MP3B	Z	-3.123	-3.123	0	%100
39	MP4B	X	-1.803	-1.803	0	%100
40	MP4B	Z	-3.123	-3.123	0	%100
41	MP1C	X	-1.803	-1.803	0	%100
42	MP1C	Z	-3.123	-3.123	0	%100
43	MP2C	X	-1.803	-1.803	0	%100
44	MP2C	Z	-3.123	-3.123	0	%100
45	MP3C	X	-1.803	-1.803	0	%100
46	MP3C	Z	-3.123	-3.123	0	%100
47	MP4C	X	-1.803	-1.803	0	%100
48	MP4C	Z	-3.123	-3.123	0	%100
49	M25	X	-1.371	-1.371	0	%100
50	M25	Z	-2.374	-2.374	0	%100
51	M26	X	-1.371	-1.371	0	%100
52	M26	Z	-2.374	-2.374	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	0	0	0	%100
57	M67	X	-1.371	-1.371	0	%100
58	M67	Z	-2.374	-2.374	0	%100
59	M68	X	-1.371	-1.371	0	%100
60	M68	Z	-2.374	-2.374	0	%100
61	M69	X	0	0	0	%100
62	M69	Z	0	0	0	%100
63	M91	X	-2.142	-2.142	0	%100
64	M91	Z	-3.709	-3.709	0	%100
65	M92	X	-.584	-.584	0	%100
66	M92	Z	-1.012	-1.012	0	%100
67	M93	X	-2.142	-2.142	0	%100
68	M93	Z	-3.709	-3.709	0	%100
69	M94	X	-.584	-.584	0	%100
70	M94	Z	-1.012	-1.012	0	%100
71	M95	X	-1.096	-1.096	0	%100
72	M95	Z	-1.898	-1.898	0	%100
73	M96	X	-1.096	-1.096	0	%100
74	M96	Z	-1.898	-1.898	0	%100
75	M88	X	0	0	0	%100
76	M88	Z	0	0	0	%100
77	M89	X	-1.314	-1.314	0	%100
78	M89	Z	-2.277	-2.277	0	%100
79	M90	X	-1.237	-1.237	0	%100
80	M90	Z	-2.143	-2.143	0	%100
81	M92A	X	-1.237	-1.237	0	%100
82	M92A	Z	-2.143	-2.143	0	%100
83	M96A	X	-1.237	-1.237	0	%100
84	M96A	Z	-2.143	-2.143	0	%100
85	M98	X	-1.237	-1.237	0	%100
86	M98	Z	-2.143	-2.143	0	%100
87	OVP	X	-1.257	-1.257	0	%100
88	OVP	Z	-2.177	-2.177	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-1.114	-1.114	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.279	-.279	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.279	-.279	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-1.063	-1.063	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-1.063	-1.063	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-1.114	-1.114	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-.279	-.279	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-.279	-.279	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-.71	-.71	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-.71	-.71	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	-.529	-.529	0	%100
27	MP2A	X	0	0	0	%100
28	MP2A	Z	-.529	-.529	0	%100
29	MP3A	X	0	0	0	%100
30	MP3A	Z	-.529	-.529	0	%100
31	MP4A	X	0	0	0	%100
32	MP4A	Z	-.529	-.529	0	%100
33	MP1B	X	0	0	0	%100
34	MP1B	Z	-.529	-.529	0	%100
35	MP2B	X	0	0	0	%100
36	MP2B	Z	-.529	-.529	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	-.529	-.529	0	%100
39	MP4B	X	0	0	0	%100
40	MP4B	Z	-.529	-.529	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	-.529	-.529	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	-.529	-.529	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	-.529	-.529	0	%100
47	MP4C	X	0	0	0	%100
48	MP4C	Z	-.529	-.529	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	-.529	-.529	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	-.132	-.132	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	-.132	-.132	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	-.178	-.178	0	%100
57	M67	X	0	0	0	%100
58	M67	Z	-.529	-.529	0	%100
59	M68	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,...]	Start Location[ft,%]	End Location[ft,%]
60	M68	Z	-.132	-.132	0	%100
61	M69	X	0	0	0	%100
62	M69	Z	-.132	-.132	0	%100
63	M91	X	0	0	0	%100
64	M91	Z	-.603	-.603	0	%100
65	M92	X	0	0	0	%100
66	M92	Z	-.603	-.603	0	%100
67	M93	X	0	0	0	%100
68	M93	Z	-.815	-.815	0	%100
69	M94	X	0	0	0	%100
70	M94	Z	-.169	-.169	0	%100
71	M95	X	0	0	0	%100
72	M95	Z	-.169	-.169	0	%100
73	M96	X	0	0	0	%100
74	M96	Z	-.815	-.815	0	%100
75	M88	X	0	0	0	%100
76	M88	Z	-.178	-.178	0	%100
77	M89	X	0	0	0	%100
78	M89	Z	-.762	-.762	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	-.178	-.178	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	-.178	-.178	0	%100
83	M96A	X	0	0	0	%100
84	M96A	Z	-.712	-.712	0	%100
85	M98	X	0	0	0	%100
86	M98	Z	-.712	-.712	0	%100
87	OVP	X	0	0	0	%100
88	OVP	Z	-.383	-.383	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.418	.418	0	%100
2	M1	Z	-.724	-.724	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.418	.418	0	%100
6	M3	Z	-.724	-.724	0	%100
7	M4	X	.177	.177	0	%100
8	M4	Z	-.307	-.307	0	%100
9	M5	X	.709	.709	0	%100
10	M5	Z	-1.228	-1.228	0	%100
11	M6	X	.177	.177	0	%100
12	M6	Z	-.307	-.307	0	%100
13	M7	X	.418	.418	0	%100
14	M7	Z	-.724	-.724	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	.418	.418	0	%100
18	M9	Z	-.724	-.724	0	%100
19	M10	X	.474	.474	0	%100
20	M10	Z	-.82	-.82	0	%100
21	M11	X	.118	.118	0	%100
22	M11	Z	-.205	-.205	0	%100
23	M12	X	.118	.118	0	%100
24	M12	Z	-.205	-.205	0	%100
25	MP1A	X	.265	.265	0	%100
26	MP1A	Z	-.458	-.458	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
27	MP2A	X	.265	.265	0	%100
28	MP2A	Z	-.458	-.458	0	%100
29	MP3A	X	.265	.265	0	%100
30	MP3A	Z	-.458	-.458	0	%100
31	MP4A	X	.265	.265	0	%100
32	MP4A	Z	-.458	-.458	0	%100
33	MP1B	X	.265	.265	0	%100
34	MP1B	Z	-.458	-.458	0	%100
35	MP2B	X	.265	.265	0	%100
36	MP2B	Z	-.458	-.458	0	%100
37	MP3B	X	.265	.265	0	%100
38	MP3B	Z	-.458	-.458	0	%100
39	MP4B	X	.265	.265	0	%100
40	MP4B	Z	-.458	-.458	0	%100
41	MP1C	X	.265	.265	0	%100
42	MP1C	Z	-.458	-.458	0	%100
43	MP2C	X	.265	.265	0	%100
44	MP2C	Z	-.458	-.458	0	%100
45	MP3C	X	.265	.265	0	%100
46	MP3C	Z	-.458	-.458	0	%100
47	MP4C	X	.265	.265	0	%100
48	MP4C	Z	-.458	-.458	0	%100
49	M25	X	.198	.198	0	%100
50	M25	Z	-.344	-.344	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	.198	.198	0	%100
54	M27	Z	-.344	-.344	0	%100
55	M28	X	.267	.267	0	%100
56	M28	Z	-.463	-.463	0	%100
57	M67	X	.198	.198	0	%100
58	M67	Z	-.344	-.344	0	%100
59	M68	X	0	0	0	%100
60	M68	Z	0	0	0	%100
61	M69	X	.198	.198	0	%100
62	M69	Z	-.344	-.344	0	%100
63	M91	X	.121	.121	0	%100
64	M91	Z	-.21	-.21	0	%100
65	M92	X	.445	.445	0	%100
66	M92	Z	-.77	-.77	0	%100
67	M93	X	.228	.228	0	%100
68	M93	Z	-.394	-.394	0	%100
69	M94	X	.228	.228	0	%100
70	M94	Z	-.394	-.394	0	%100
71	M95	X	.121	.121	0	%100
72	M95	Z	-.21	-.21	0	%100
73	M96	X	.445	.445	0	%100
74	M96	Z	-.77	-.77	0	%100
75	M88	X	.267	.267	0	%100
76	M88	Z	-.463	-.463	0	%100
77	M89	X	.286	.286	0	%100
78	M89	Z	-.495	-.495	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	0	0	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	0	0	0	%100
83	M96A	X	.267	.267	0	%100
84	M96A	Z	-.463	-.463	0	%100
85	M98	X	.267	.267	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
86	M98	Z	-.463	-.463	0	%100
87	OVP	X	.192	.192	0	%100
88	OVP	Z	-.332	-.332	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.241	.241	0	%100
2	M1	Z	-.139	-.139	0	%100
3	M2	X	.241	.241	0	%100
4	M2	Z	-.139	-.139	0	%100
5	M3	X	.965	.965	0	%100
6	M3	Z	-.557	-.557	0	%100
7	M4	X	.921	.921	0	%100
8	M4	Z	-.532	-.532	0	%100
9	M5	X	.921	.921	0	%100
10	M5	Z	-.532	-.532	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	.241	.241	0	%100
14	M7	Z	-.139	-.139	0	%100
15	M8	X	.241	.241	0	%100
16	M8	Z	-.139	-.139	0	%100
17	M9	X	.965	.965	0	%100
18	M9	Z	-.557	-.557	0	%100
19	M10	X	.615	.615	0	%100
20	M10	Z	-.355	-.355	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	.615	.615	0	%100
24	M12	Z	-.355	-.355	0	%100
25	MP1A	X	.458	.458	0	%100
26	MP1A	Z	-.265	-.265	0	%100
27	MP2A	X	.458	.458	0	%100
28	MP2A	Z	-.265	-.265	0	%100
29	MP3A	X	.458	.458	0	%100
30	MP3A	Z	-.265	-.265	0	%100
31	MP4A	X	.458	.458	0	%100
32	MP4A	Z	-.265	-.265	0	%100
33	MP1B	X	.458	.458	0	%100
34	MP1B	Z	-.265	-.265	0	%100
35	MP2B	X	.458	.458	0	%100
36	MP2B	Z	-.265	-.265	0	%100
37	MP3B	X	.458	.458	0	%100
38	MP3B	Z	-.265	-.265	0	%100
39	MP4B	X	.458	.458	0	%100
40	MP4B	Z	-.265	-.265	0	%100
41	MP1C	X	.458	.458	0	%100
42	MP1C	Z	-.265	-.265	0	%100
43	MP2C	X	.458	.458	0	%100
44	MP2C	Z	-.265	-.265	0	%100
45	MP3C	X	.458	.458	0	%100
46	MP3C	Z	-.265	-.265	0	%100
47	MP4C	X	.458	.458	0	%100
48	MP4C	Z	-.265	-.265	0	%100
49	M25	X	.115	.115	0	%100
50	M25	Z	-.066	-.066	0	%100
51	M26	X	.115	.115	0	%100
52	M26	Z	-.066	-.066	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
53	M27	X	.458	.458	0	%100
54	M27	Z	-.265	-.265	0	%100
55	M28	X	.617	.617	0	%100
56	M28	Z	-.356	-.356	0	%100
57	M67	X	.115	.115	0	%100
58	M67	Z	-.066	-.066	0	%100
59	M68	X	.115	.115	0	%100
60	M68	Z	-.066	-.066	0	%100
61	M69	X	.458	.458	0	%100
62	M69	Z	-.265	-.265	0	%100
63	M91	X	.146	.146	0	%100
64	M91	Z	-.084	-.084	0	%100
65	M92	X	.706	.706	0	%100
66	M92	Z	-.408	-.408	0	%100
67	M93	X	.146	.146	0	%100
68	M93	Z	-.084	-.084	0	%100
69	M94	X	.706	.706	0	%100
70	M94	Z	-.408	-.408	0	%100
71	M95	X	.522	.522	0	%100
72	M95	Z	-.301	-.301	0	%100
73	M96	X	.522	.522	0	%100
74	M96	Z	-.301	-.301	0	%100
75	M88	X	.617	.617	0	%100
76	M88	Z	-.356	-.356	0	%100
77	M89	X	.165	.165	0	%100
78	M89	Z	-.095	-.095	0	%100
79	M90	X	.154	.154	0	%100
80	M90	Z	-.089	-.089	0	%100
81	M92A	X	.154	.154	0	%100
82	M92A	Z	-.089	-.089	0	%100
83	M96A	X	.154	.154	0	%100
84	M96A	Z	-.089	-.089	0	%100
85	M98	X	.154	.154	0	%100
86	M98	Z	-.089	-.089	0	%100
87	OVP	X	.332	.332	0	%100
88	OVP	Z	-.192	-.192	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.836	.836	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.836	.836	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	1.418	1.418	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	.354	.354	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	.354	.354	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	.836	.836	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	.836	.836	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	.237	.237	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
20	M10	Z	0	0	0	%100
21	M11	X	.237	.237	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	.947	.947	0	%100
24	M12	Z	0	0	0	%100
25	MP1A	X	.529	.529	0	%100
26	MP1A	Z	0	0	0	%100
27	MP2A	X	.529	.529	0	%100
28	MP2A	Z	0	0	0	%100
29	MP3A	X	.529	.529	0	%100
30	MP3A	Z	0	0	0	%100
31	MP4A	X	.529	.529	0	%100
32	MP4A	Z	0	0	0	%100
33	MP1B	X	.529	.529	0	%100
34	MP1B	Z	0	0	0	%100
35	MP2B	X	.529	.529	0	%100
36	MP2B	Z	0	0	0	%100
37	MP3B	X	.529	.529	0	%100
38	MP3B	Z	0	0	0	%100
39	MP4B	X	.529	.529	0	%100
40	MP4B	Z	0	0	0	%100
41	MP1C	X	.529	.529	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2C	X	.529	.529	0	%100
44	MP2C	Z	0	0	0	%100
45	MP3C	X	.529	.529	0	%100
46	MP3C	Z	0	0	0	%100
47	MP4C	X	.529	.529	0	%100
48	MP4C	Z	0	0	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	.397	.397	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	.397	.397	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	.534	.534	0	%100
56	M28	Z	0	0	0	%100
57	M67	X	0	0	0	%100
58	M67	Z	0	0	0	%100
59	M68	X	.397	.397	0	%100
60	M68	Z	0	0	0	%100
61	M69	X	.397	.397	0	%100
62	M69	Z	0	0	0	%100
63	M91	X	.455	.455	0	%100
64	M91	Z	0	0	0	%100
65	M92	X	.455	.455	0	%100
66	M92	Z	0	0	0	%100
67	M93	X	.243	.243	0	%100
68	M93	Z	0	0	0	%100
69	M94	X	.889	.889	0	%100
70	M94	Z	0	0	0	%100
71	M95	X	.889	.889	0	%100
72	M95	Z	0	0	0	%100
73	M96	X	.243	.243	0	%100
74	M96	Z	0	0	0	%100
75	M88	X	.534	.534	0	%100
76	M88	Z	0	0	0	%100
77	M89	X	0	0	0	%100
78	M89	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
79	M90	X	.534	.534	0	%100
80	M90	Z	0	0	0	%100
81	M92A	X	.534	.534	0	%100
82	M92A	Z	0	0	0	%100
83	M96A	X	0	0	0	%100
84	M96A	Z	0	0	0	%100
85	M98	X	0	0	0	%100
86	M98	Z	0	0	0	%100
87	OVP	X	.383	.383	0	%100
88	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.241	.241	0	%100
2	M1	Z	.139	.139	0	%100
3	M2	X	.965	.965	0	%100
4	M2	Z	.557	.557	0	%100
5	M3	X	.241	.241	0	%100
6	M3	Z	.139	.139	0	%100
7	M4	X	.921	.921	0	%100
8	M4	Z	.532	.532	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	.921	.921	0	%100
12	M6	Z	.532	.532	0	%100
13	M7	X	.241	.241	0	%100
14	M7	Z	.139	.139	0	%100
15	M8	X	.965	.965	0	%100
16	M8	Z	.557	.557	0	%100
17	M9	X	.241	.241	0	%100
18	M9	Z	.139	.139	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	.615	.615	0	%100
22	M11	Z	.355	.355	0	%100
23	M12	X	.615	.615	0	%100
24	M12	Z	.355	.355	0	%100
25	MP1A	X	.458	.458	0	%100
26	MP1A	Z	.265	.265	0	%100
27	MP2A	X	.458	.458	0	%100
28	MP2A	Z	.265	.265	0	%100
29	MP3A	X	.458	.458	0	%100
30	MP3A	Z	.265	.265	0	%100
31	MP4A	X	.458	.458	0	%100
32	MP4A	Z	.265	.265	0	%100
33	MP1B	X	.458	.458	0	%100
34	MP1B	Z	.265	.265	0	%100
35	MP2B	X	.458	.458	0	%100
36	MP2B	Z	.265	.265	0	%100
37	MP3B	X	.458	.458	0	%100
38	MP3B	Z	.265	.265	0	%100
39	MP4B	X	.458	.458	0	%100
40	MP4B	Z	.265	.265	0	%100
41	MP1C	X	.458	.458	0	%100
42	MP1C	Z	.265	.265	0	%100
43	MP2C	X	.458	.458	0	%100
44	MP2C	Z	.265	.265	0	%100
45	MP3C	X	.458	.458	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
46	MP3C	Z	.265	.265	0	%100
47	MP4C	X	.458	.458	0	%100
48	MP4C	Z	.265	.265	0	%100
49	M25	X	.115	.115	0	%100
50	M25	Z	.066	.066	0	%100
51	M26	X	.458	.458	0	%100
52	M26	Z	.265	.265	0	%100
53	M27	X	.115	.115	0	%100
54	M27	Z	.066	.066	0	%100
55	M28	X	.154	.154	0	%100
56	M28	Z	.089	.089	0	%100
57	M67	X	.115	.115	0	%100
58	M67	Z	.066	.066	0	%100
59	M68	X	.458	.458	0	%100
60	M68	Z	.265	.265	0	%100
61	M69	X	.115	.115	0	%100
62	M69	Z	.066	.066	0	%100
63	M91	X	.706	.706	0	%100
64	M91	Z	.408	.408	0	%100
65	M92	X	.146	.146	0	%100
66	M92	Z	.084	.084	0	%100
67	M93	X	.522	.522	0	%100
68	M93	Z	.301	.301	0	%100
69	M94	X	.522	.522	0	%100
70	M94	Z	.301	.301	0	%100
71	M95	X	.706	.706	0	%100
72	M95	Z	.408	.408	0	%100
73	M96	X	.146	.146	0	%100
74	M96	Z	.084	.084	0	%100
75	M88	X	.154	.154	0	%100
76	M88	Z	.089	.089	0	%100
77	M89	X	.165	.165	0	%100
78	M89	Z	.095	.095	0	%100
79	M90	X	.617	.617	0	%100
80	M90	Z	.356	.356	0	%100
81	M92A	X	.617	.617	0	%100
82	M92A	Z	.356	.356	0	%100
83	M96A	X	.154	.154	0	%100
84	M96A	Z	.089	.089	0	%100
85	M98	X	.154	.154	0	%100
86	M98	Z	.089	.089	0	%100
87	OVP	X	.332	.332	0	%100
88	OVP	Z	.192	.192	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.418	.418	0	%100
2	M1	Z	.724	.724	0	%100
3	M2	X	.418	.418	0	%100
4	M2	Z	.724	.724	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.177	.177	0	%100
8	M4	Z	.307	.307	0	%100
9	M5	X	.177	.177	0	%100
10	M5	Z	.307	.307	0	%100
11	M6	X	.709	.709	0	%100
12	M6	Z	1.228	1.228	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
13	M7	X	.418	.418	0	%100
14	M7	Z	.724	.724	0	%100
15	M8	X	.418	.418	0	%100
16	M8	Z	.724	.724	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	.118	.118	0	%100
20	M10	Z	.205	.205	0	%100
21	M11	X	.474	.474	0	%100
22	M11	Z	.82	.82	0	%100
23	M12	X	.118	.118	0	%100
24	M12	Z	.205	.205	0	%100
25	MP1A	X	.265	.265	0	%100
26	MP1A	Z	.458	.458	0	%100
27	MP2A	X	.265	.265	0	%100
28	MP2A	Z	.458	.458	0	%100
29	MP3A	X	.265	.265	0	%100
30	MP3A	Z	.458	.458	0	%100
31	MP4A	X	.265	.265	0	%100
32	MP4A	Z	.458	.458	0	%100
33	MP1B	X	.265	.265	0	%100
34	MP1B	Z	.458	.458	0	%100
35	MP2B	X	.265	.265	0	%100
36	MP2B	Z	.458	.458	0	%100
37	MP3B	X	.265	.265	0	%100
38	MP3B	Z	.458	.458	0	%100
39	MP4B	X	.265	.265	0	%100
40	MP4B	Z	.458	.458	0	%100
41	MP1C	X	.265	.265	0	%100
42	MP1C	Z	.458	.458	0	%100
43	MP2C	X	.265	.265	0	%100
44	MP2C	Z	.458	.458	0	%100
45	MP3C	X	.265	.265	0	%100
46	MP3C	Z	.458	.458	0	%100
47	MP4C	X	.265	.265	0	%100
48	MP4C	Z	.458	.458	0	%100
49	M25	X	.198	.198	0	%100
50	M25	Z	.344	.344	0	%100
51	M26	X	.198	.198	0	%100
52	M26	Z	.344	.344	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	0	0	0	%100
57	M67	X	.198	.198	0	%100
58	M67	Z	.344	.344	0	%100
59	M68	X	.198	.198	0	%100
60	M68	Z	.344	.344	0	%100
61	M69	X	0	0	0	%100
62	M69	Z	0	0	0	%100
63	M91	X	.445	.445	0	%100
64	M91	Z	.77	.77	0	%100
65	M92	X	.121	.121	0	%100
66	M92	Z	.21	.21	0	%100
67	M93	X	.445	.445	0	%100
68	M93	Z	.77	.77	0	%100
69	M94	X	.121	.121	0	%100
70	M94	Z	.21	.21	0	%100
71	M95	X	.228	.228	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
72	M95	Z	.394	.394	0	%100
73	M96	X	.228	.228	0	%100
74	M96	Z	.394	.394	0	%100
75	M88	X	0	0	0	%100
76	M88	Z	0	0	0	%100
77	M89	X	.286	.286	0	%100
78	M89	Z	.495	.495	0	%100
79	M90	X	.267	.267	0	%100
80	M90	Z	.463	.463	0	%100
81	M92A	X	.267	.267	0	%100
82	M92A	Z	.463	.463	0	%100
83	M96A	X	.267	.267	0	%100
84	M96A	Z	.463	.463	0	%100
85	M98	X	.267	.267	0	%100
86	M98	Z	.463	.463	0	%100
87	OVP	X	.192	.192	0	%100
88	OVP	Z	.332	.332	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	1.114	1.114	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.279	.279	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.279	.279	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	1.063	1.063	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	1.063	1.063	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	1.114	1.114	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	.279	.279	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	.279	.279	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	.71	.71	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	.71	.71	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	.529	.529	0	%100
27	MP2A	X	0	0	0	%100
28	MP2A	Z	.529	.529	0	%100
29	MP3A	X	0	0	0	%100
30	MP3A	Z	.529	.529	0	%100
31	MP4A	X	0	0	0	%100
32	MP4A	Z	.529	.529	0	%100
33	MP1B	X	0	0	0	%100
34	MP1B	Z	.529	.529	0	%100
35	MP2B	X	0	0	0	%100
36	MP2B	Z	.529	.529	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	.529	.529	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
39	MP4B	X	0	0	0	%100
40	MP4B	Z	.529	.529	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	.529	.529	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	.529	.529	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	.529	.529	0	%100
47	MP4C	X	0	0	0	%100
48	MP4C	Z	.529	.529	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	.529	.529	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	.132	.132	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	.132	.132	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	.178	.178	0	%100
57	M67	X	0	0	0	%100
58	M67	Z	.529	.529	0	%100
59	M68	X	0	0	0	%100
60	M68	Z	.132	.132	0	%100
61	M69	X	0	0	0	%100
62	M69	Z	.132	.132	0	%100
63	M91	X	0	0	0	%100
64	M91	Z	.603	.603	0	%100
65	M92	X	0	0	0	%100
66	M92	Z	.603	.603	0	%100
67	M93	X	0	0	0	%100
68	M93	Z	.815	.815	0	%100
69	M94	X	0	0	0	%100
70	M94	Z	.169	.169	0	%100
71	M95	X	0	0	0	%100
72	M95	Z	.169	.169	0	%100
73	M96	X	0	0	0	%100
74	M96	Z	.815	.815	0	%100
75	M88	X	0	0	0	%100
76	M88	Z	.178	.178	0	%100
77	M89	X	0	0	0	%100
78	M89	Z	.762	.762	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	.178	.178	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	.178	.178	0	%100
83	M96A	X	0	0	0	%100
84	M96A	Z	.712	.712	0	%100
85	M98	X	0	0	0	%100
86	M98	Z	.712	.712	0	%100
87	OVP	X	0	0	0	%100
88	OVP	Z	.383	.383	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.418	-.418	0	%100
2	M1	Z	.724	.724	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.418	-.418	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
6	M3	Z	.724	.724	0	%100
7	M4	X	-.177	-.177	0	%100
8	M4	Z	.307	.307	0	%100
9	M5	X	-.709	-.709	0	%100
10	M5	Z	1.228	1.228	0	%100
11	M6	X	-.177	-.177	0	%100
12	M6	Z	.307	.307	0	%100
13	M7	X	-.418	-.418	0	%100
14	M7	Z	.724	.724	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-.418	-.418	0	%100
18	M9	Z	.724	.724	0	%100
19	M10	X	-.474	-.474	0	%100
20	M10	Z	.82	.82	0	%100
21	M11	X	-.118	-.118	0	%100
22	M11	Z	.205	.205	0	%100
23	M12	X	-.118	-.118	0	%100
24	M12	Z	.205	.205	0	%100
25	MP1A	X	-.265	-.265	0	%100
26	MP1A	Z	.458	.458	0	%100
27	MP2A	X	-.265	-.265	0	%100
28	MP2A	Z	.458	.458	0	%100
29	MP3A	X	-.265	-.265	0	%100
30	MP3A	Z	.458	.458	0	%100
31	MP4A	X	-.265	-.265	0	%100
32	MP4A	Z	.458	.458	0	%100
33	MP1B	X	-.265	-.265	0	%100
34	MP1B	Z	.458	.458	0	%100
35	MP2B	X	-.265	-.265	0	%100
36	MP2B	Z	.458	.458	0	%100
37	MP3B	X	-.265	-.265	0	%100
38	MP3B	Z	.458	.458	0	%100
39	MP4B	X	-.265	-.265	0	%100
40	MP4B	Z	.458	.458	0	%100
41	MP1C	X	-.265	-.265	0	%100
42	MP1C	Z	.458	.458	0	%100
43	MP2C	X	-.265	-.265	0	%100
44	MP2C	Z	.458	.458	0	%100
45	MP3C	X	-.265	-.265	0	%100
46	MP3C	Z	.458	.458	0	%100
47	MP4C	X	-.265	-.265	0	%100
48	MP4C	Z	.458	.458	0	%100
49	M25	X	-.198	-.198	0	%100
50	M25	Z	.344	.344	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-.198	-.198	0	%100
54	M27	Z	.344	.344	0	%100
55	M28	X	-.267	-.267	0	%100
56	M28	Z	.463	.463	0	%100
57	M67	X	-.198	-.198	0	%100
58	M67	Z	.344	.344	0	%100
59	M68	X	0	0	0	%100
60	M68	Z	0	0	0	%100
61	M69	X	-.198	-.198	0	%100
62	M69	Z	.344	.344	0	%100
63	M91	X	-.121	-.121	0	%100
64	M91	Z	.21	.21	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft,%]	End Location[ft,%]
65	M92	X	-.445	-.445	0	%100
66	M92	Z	.77	.77	0	%100
67	M93	X	-.228	-.228	0	%100
68	M93	Z	.394	.394	0	%100
69	M94	X	-.228	-.228	0	%100
70	M94	Z	.394	.394	0	%100
71	M95	X	-.121	-.121	0	%100
72	M95	Z	.21	.21	0	%100
73	M96	X	-.445	-.445	0	%100
74	M96	Z	.77	.77	0	%100
75	M88	X	-.267	-.267	0	%100
76	M88	Z	.463	.463	0	%100
77	M89	X	-.286	-.286	0	%100
78	M89	Z	.495	.495	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	0	0	0	%100
81	M92A	X	0	0	0	%100
82	M92A	Z	0	0	0	%100
83	M96A	X	-.267	-.267	0	%100
84	M96A	Z	.463	.463	0	%100
85	M98	X	-.267	-.267	0	%100
86	M98	Z	.463	.463	0	%100
87	OVP	X	-.192	-.192	0	%100
88	OVP	Z	.332	.332	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.241	-.241	0	%100
2	M1	Z	.139	.139	0	%100
3	M2	X	-.241	-.241	0	%100
4	M2	Z	.139	.139	0	%100
5	M3	X	-.965	-.965	0	%100
6	M3	Z	.557	.557	0	%100
7	M4	X	-.921	-.921	0	%100
8	M4	Z	.532	.532	0	%100
9	M5	X	-.921	-.921	0	%100
10	M5	Z	.532	.532	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-.241	-.241	0	%100
14	M7	Z	.139	.139	0	%100
15	M8	X	-.241	-.241	0	%100
16	M8	Z	.139	.139	0	%100
17	M9	X	-.965	-.965	0	%100
18	M9	Z	.557	.557	0	%100
19	M10	X	-.615	-.615	0	%100
20	M10	Z	.355	.355	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-.615	-.615	0	%100
24	M12	Z	.355	.355	0	%100
25	MP1A	X	-.458	-.458	0	%100
26	MP1A	Z	.265	.265	0	%100
27	MP2A	X	-.458	-.458	0	%100
28	MP2A	Z	.265	.265	0	%100
29	MP3A	X	-.458	-.458	0	%100
30	MP3A	Z	.265	.265	0	%100
31	MP4A	X	-.458	-.458	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
32	MP4A	Z	.265	.265	0	%100
33	MP1B	X	-.458	-.458	0	%100
34	MP1B	Z	.265	.265	0	%100
35	MP2B	X	-.458	-.458	0	%100
36	MP2B	Z	.265	.265	0	%100
37	MP3B	X	-.458	-.458	0	%100
38	MP3B	Z	.265	.265	0	%100
39	MP4B	X	-.458	-.458	0	%100
40	MP4B	Z	.265	.265	0	%100
41	MP1C	X	-.458	-.458	0	%100
42	MP1C	Z	.265	.265	0	%100
43	MP2C	X	-.458	-.458	0	%100
44	MP2C	Z	.265	.265	0	%100
45	MP3C	X	-.458	-.458	0	%100
46	MP3C	Z	.265	.265	0	%100
47	MP4C	X	-.458	-.458	0	%100
48	MP4C	Z	.265	.265	0	%100
49	M25	X	-.115	-.115	0	%100
50	M25	Z	.066	.066	0	%100
51	M26	X	-.115	-.115	0	%100
52	M26	Z	.066	.066	0	%100
53	M27	X	-.458	-.458	0	%100
54	M27	Z	.265	.265	0	%100
55	M28	X	-.617	-.617	0	%100
56	M28	Z	.356	.356	0	%100
57	M67	X	-.115	-.115	0	%100
58	M67	Z	.066	.066	0	%100
59	M68	X	-.115	-.115	0	%100
60	M68	Z	.066	.066	0	%100
61	M69	X	-.458	-.458	0	%100
62	M69	Z	.265	.265	0	%100
63	M91	X	-.146	-.146	0	%100
64	M91	Z	.084	.084	0	%100
65	M92	X	-.706	-.706	0	%100
66	M92	Z	.408	.408	0	%100
67	M93	X	-.146	-.146	0	%100
68	M93	Z	.084	.084	0	%100
69	M94	X	-.706	-.706	0	%100
70	M94	Z	.408	.408	0	%100
71	M95	X	-.522	-.522	0	%100
72	M95	Z	.301	.301	0	%100
73	M96	X	-.522	-.522	0	%100
74	M96	Z	.301	.301	0	%100
75	M88	X	-.617	-.617	0	%100
76	M88	Z	.356	.356	0	%100
77	M89	X	-.165	-.165	0	%100
78	M89	Z	.095	.095	0	%100
79	M90	X	-.154	-.154	0	%100
80	M90	Z	.089	.089	0	%100
81	M92A	X	-.154	-.154	0	%100
82	M92A	Z	.089	.089	0	%100
83	M96A	X	-.154	-.154	0	%100
84	M96A	Z	.089	.089	0	%100
85	M98	X	-.154	-.154	0	%100
86	M98	Z	.089	.089	0	%100
87	OVP	X	-.332	-.332	0	%100
88	OVP	Z	.192	.192	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.836	-.836	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.836	-.836	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-1.418	-1.418	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-.354	-.354	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-.354	-.354	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-.836	-.836	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-.836	-.836	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-.237	-.237	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-.237	-.237	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-.947	-.947	0	%100
24	M12	Z	0	0	0	%100
25	MP1A	X	-.529	-.529	0	%100
26	MP1A	Z	0	0	0	%100
27	MP2A	X	-.529	-.529	0	%100
28	MP2A	Z	0	0	0	%100
29	MP3A	X	-.529	-.529	0	%100
30	MP3A	Z	0	0	0	%100
31	MP4A	X	-.529	-.529	0	%100
32	MP4A	Z	0	0	0	%100
33	MP1B	X	-.529	-.529	0	%100
34	MP1B	Z	0	0	0	%100
35	MP2B	X	-.529	-.529	0	%100
36	MP2B	Z	0	0	0	%100
37	MP3B	X	-.529	-.529	0	%100
38	MP3B	Z	0	0	0	%100
39	MP4B	X	-.529	-.529	0	%100
40	MP4B	Z	0	0	0	%100
41	MP1C	X	-.529	-.529	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2C	X	-.529	-.529	0	%100
44	MP2C	Z	0	0	0	%100
45	MP3C	X	-.529	-.529	0	%100
46	MP3C	Z	0	0	0	%100
47	MP4C	X	-.529	-.529	0	%100
48	MP4C	Z	0	0	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	-.397	-.397	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-.397	-.397	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	-.534	-.534	0	%100
56	M28	Z	0	0	0	%100
57	M67	X	0	0	0	%100
58	M67	Z	0	0	0	%100
59	M68	X	-.397	-.397	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft,%]	End Location[ft,%]
60	M68	Z	0	0	0	%100
61	M69	X	-.397	-.397	0	%100
62	M69	Z	0	0	0	%100
63	M91	X	-.455	-.455	0	%100
64	M91	Z	0	0	0	%100
65	M92	X	-.455	-.455	0	%100
66	M92	Z	0	0	0	%100
67	M93	X	-.243	-.243	0	%100
68	M93	Z	0	0	0	%100
69	M94	X	-.889	-.889	0	%100
70	M94	Z	0	0	0	%100
71	M95	X	-.889	-.889	0	%100
72	M95	Z	0	0	0	%100
73	M96	X	-.243	-.243	0	%100
74	M96	Z	0	0	0	%100
75	M88	X	-.534	-.534	0	%100
76	M88	Z	0	0	0	%100
77	M89	X	0	0	0	%100
78	M89	Z	0	0	0	%100
79	M90	X	-.534	-.534	0	%100
80	M90	Z	0	0	0	%100
81	M92A	X	-.534	-.534	0	%100
82	M92A	Z	0	0	0	%100
83	M96A	X	0	0	0	%100
84	M96A	Z	0	0	0	%100
85	M98	X	0	0	0	%100
86	M98	Z	0	0	0	%100
87	OVP	X	-.383	-.383	0	%100
88	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.241	-.241	0	%100
2	M1	Z	-.139	-.139	0	%100
3	M2	X	-.965	-.965	0	%100
4	M2	Z	-.557	-.557	0	%100
5	M3	X	-.241	-.241	0	%100
6	M3	Z	-.139	-.139	0	%100
7	M4	X	-.921	-.921	0	%100
8	M4	Z	-.532	-.532	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-.921	-.921	0	%100
12	M6	Z	-.532	-.532	0	%100
13	M7	X	-.241	-.241	0	%100
14	M7	Z	-.139	-.139	0	%100
15	M8	X	-.965	-.965	0	%100
16	M8	Z	-.557	-.557	0	%100
17	M9	X	-.241	-.241	0	%100
18	M9	Z	-.139	-.139	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-.615	-.615	0	%100
22	M11	Z	-.355	-.355	0	%100
23	M12	X	-.615	-.615	0	%100
24	M12	Z	-.355	-.355	0	%100
25	MP1A	X	-.458	-.458	0	%100
26	MP1A	Z	-.265	-.265	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft,%]	End Location[ft,%]
27	MP2A	X	-.458	-.458	0	%100
28	MP2A	Z	-.265	-.265	0	%100
29	MP3A	X	-.458	-.458	0	%100
30	MP3A	Z	-.265	-.265	0	%100
31	MP4A	X	-.458	-.458	0	%100
32	MP4A	Z	-.265	-.265	0	%100
33	MP1B	X	-.458	-.458	0	%100
34	MP1B	Z	-.265	-.265	0	%100
35	MP2B	X	-.458	-.458	0	%100
36	MP2B	Z	-.265	-.265	0	%100
37	MP3B	X	-.458	-.458	0	%100
38	MP3B	Z	-.265	-.265	0	%100
39	MP4B	X	-.458	-.458	0	%100
40	MP4B	Z	-.265	-.265	0	%100
41	MP1C	X	-.458	-.458	0	%100
42	MP1C	Z	-.265	-.265	0	%100
43	MP2C	X	-.458	-.458	0	%100
44	MP2C	Z	-.265	-.265	0	%100
45	MP3C	X	-.458	-.458	0	%100
46	MP3C	Z	-.265	-.265	0	%100
47	MP4C	X	-.458	-.458	0	%100
48	MP4C	Z	-.265	-.265	0	%100
49	M25	X	-.115	-.115	0	%100
50	M25	Z	-.066	-.066	0	%100
51	M26	X	-.458	-.458	0	%100
52	M26	Z	-.265	-.265	0	%100
53	M27	X	-.115	-.115	0	%100
54	M27	Z	-.066	-.066	0	%100
55	M28	X	-.154	-.154	0	%100
56	M28	Z	-.089	-.089	0	%100
57	M67	X	-.115	-.115	0	%100
58	M67	Z	-.066	-.066	0	%100
59	M68	X	-.458	-.458	0	%100
60	M68	Z	-.265	-.265	0	%100
61	M69	X	-.115	-.115	0	%100
62	M69	Z	-.066	-.066	0	%100
63	M91	X	-.706	-.706	0	%100
64	M91	Z	-.408	-.408	0	%100
65	M92	X	-.146	-.146	0	%100
66	M92	Z	-.084	-.084	0	%100
67	M93	X	-.522	-.522	0	%100
68	M93	Z	-.301	-.301	0	%100
69	M94	X	-.522	-.522	0	%100
70	M94	Z	-.301	-.301	0	%100
71	M95	X	-.706	-.706	0	%100
72	M95	Z	-.408	-.408	0	%100
73	M96	X	-.146	-.146	0	%100
74	M96	Z	-.084	-.084	0	%100
75	M88	X	-.154	-.154	0	%100
76	M88	Z	-.089	-.089	0	%100
77	M89	X	-.165	-.165	0	%100
78	M89	Z	-.095	-.095	0	%100
79	M90	X	-.617	-.617	0	%100
80	M90	Z	-.356	-.356	0	%100
81	M92A	X	-.617	-.617	0	%100
82	M92A	Z	-.356	-.356	0	%100
83	M96A	X	-.154	-.154	0	%100
84	M96A	Z	-.089	-.089	0	%100
85	M98	X	-.154	-.154	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
86	M98	Z	-.089	-.089	0	%100
87	OVP	X	-.332	-.332	0	%100
88	OVP	Z	-.192	-.192	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.418	-.418	0	%100
2	M1	Z	-.724	-.724	0	%100
3	M2	X	-.418	-.418	0	%100
4	M2	Z	-.724	-.724	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.177	-.177	0	%100
8	M4	Z	-.307	-.307	0	%100
9	M5	X	-.177	-.177	0	%100
10	M5	Z	-.307	-.307	0	%100
11	M6	X	-.709	-.709	0	%100
12	M6	Z	-1.228	-1.228	0	%100
13	M7	X	-.418	-.418	0	%100
14	M7	Z	-.724	-.724	0	%100
15	M8	X	-.418	-.418	0	%100
16	M8	Z	-.724	-.724	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-.118	-.118	0	%100
20	M10	Z	-.205	-.205	0	%100
21	M11	X	-.474	-.474	0	%100
22	M11	Z	-.82	-.82	0	%100
23	M12	X	-.118	-.118	0	%100
24	M12	Z	-.205	-.205	0	%100
25	MP1A	X	-.265	-.265	0	%100
26	MP1A	Z	-.458	-.458	0	%100
27	MP2A	X	-.265	-.265	0	%100
28	MP2A	Z	-.458	-.458	0	%100
29	MP3A	X	-.265	-.265	0	%100
30	MP3A	Z	-.458	-.458	0	%100
31	MP4A	X	-.265	-.265	0	%100
32	MP4A	Z	-.458	-.458	0	%100
33	MP1B	X	-.265	-.265	0	%100
34	MP1B	Z	-.458	-.458	0	%100
35	MP2B	X	-.265	-.265	0	%100
36	MP2B	Z	-.458	-.458	0	%100
37	MP3B	X	-.265	-.265	0	%100
38	MP3B	Z	-.458	-.458	0	%100
39	MP4B	X	-.265	-.265	0	%100
40	MP4B	Z	-.458	-.458	0	%100
41	MP1C	X	-.265	-.265	0	%100
42	MP1C	Z	-.458	-.458	0	%100
43	MP2C	X	-.265	-.265	0	%100
44	MP2C	Z	-.458	-.458	0	%100
45	MP3C	X	-.265	-.265	0	%100
46	MP3C	Z	-.458	-.458	0	%100
47	MP4C	X	-.265	-.265	0	%100
48	MP4C	Z	-.458	-.458	0	%100
49	M25	X	-.198	-.198	0	%100
50	M25	Z	-.344	-.344	0	%100
51	M26	X	-.198	-.198	0	%100
52	M26	Z	-.344	-.344	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
53	M27	X	0	0	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	0	0	0	%100
57	M67	X	-.198	-.198	0	%100
58	M67	Z	-.344	-.344	0	%100
59	M68	X	-.198	-.198	0	%100
60	M68	Z	-.344	-.344	0	%100
61	M69	X	0	0	0	%100
62	M69	Z	0	0	0	%100
63	M91	X	-.445	-.445	0	%100
64	M91	Z	-.77	-.77	0	%100
65	M92	X	-.121	-.121	0	%100
66	M92	Z	-.21	-.21	0	%100
67	M93	X	-.445	-.445	0	%100
68	M93	Z	-.77	-.77	0	%100
69	M94	X	-.121	-.121	0	%100
70	M94	Z	-.21	-.21	0	%100
71	M95	X	-.228	-.228	0	%100
72	M95	Z	-.394	-.394	0	%100
73	M96	X	-.228	-.228	0	%100
74	M96	Z	-.394	-.394	0	%100
75	M88	X	0	0	0	%100
76	M88	Z	0	0	0	%100
77	M89	X	-.286	-.286	0	%100
78	M89	Z	-.495	-.495	0	%100
79	M90	X	-.267	-.267	0	%100
80	M90	Z	-.463	-.463	0	%100
81	M92A	X	-.267	-.267	0	%100
82	M92A	Z	-.463	-.463	0	%100
83	M96A	X	-.267	-.267	0	%100
84	M96A	Z	-.463	-.463	0	%100
85	M98	X	-.267	-.267	0	%100
86	M98	Z	-.463	-.463	0	%100
87	OVP	X	-.192	-.192	0	%100
88	OVP	Z	-.332	-.332	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M2	Y	-.11	-3.191	0	2
2	M2	Y	-3.191	-5.094	2	4
3	M2	Y	-5.094	-4.698	4	6
4	M2	Y	-4.698	-4.698	6	8
5	M2	Y	-4.698	-5.094	8	10
6	M2	Y	-5.094	-3.191	10	12
7	M2	Y	-3.191	-.11	12	14
8	M8	Y	-5.279	-5.279	.003	7.069
9	M11	Y	-8.976	-5.03	0	2
10	M11	Y	-5.03	-1.084	2	4
11	M12	Y	-8.976	-5.03	0	2
12	M12	Y	-5.03	-1.084	2	4
13	M3	Y	-1.171	-2.774	0	2.333
14	M3	Y	-2.774	-4.802	2.333	4.667
15	M3	Y	-4.802	-6.028	4.667	7
16	M3	Y	-6.028	-4.802	7	9.333
17	M3	Y	-4.802	-2.774	9.333	11.667
18	M3	Y	-2.774	-1.171	11.667	14
19	M9	Y	-5.279	-5.279	.003	7.069

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
20	M10	Y	-8.976	-5.03	0	2
21	M10	Y	-5.03	-1.084	2	4
22	M1	Y	-.11	-3.191	0	2
23	M1	Y	-3.191	-5.094	2	4
24	M1	Y	-5.094	-4.698	4	6
25	M1	Y	-4.698	-4.698	6	8
26	M1	Y	-4.698	-5.094	8	10
27	M1	Y	-5.094	-3.191	10	12
28	M1	Y	-3.191	-.11	12	14
29	M7	Y	-5.279	-5.279	.003	7.069

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M2	Y	-.274	-7.919	0	2
2	M2	Y	-7.919	-12.642	2	4
3	M2	Y	-12.642	-11.658	4	6
4	M2	Y	-11.658	-11.658	6	8
5	M2	Y	-11.658	-12.642	8	10
6	M2	Y	-12.642	-7.919	10	12
7	M2	Y	-7.919	-.274	12	14
8	M8	Y	-13.1	-13.1	.003	7.069
9	M11	Y	-22.274	-12.482	0	2
10	M11	Y	-12.482	-2.691	2	4
11	M12	Y	-22.274	-12.482	0	2
12	M12	Y	-12.482	-2.691	2	4
13	M3	Y	-2.906	-6.884	0	2.333
14	M3	Y	-6.884	-11.917	2.333	4.667
15	M3	Y	-11.917	-14.959	4.667	7
16	M3	Y	-14.959	-11.917	7	9.333
17	M3	Y	-11.917	-6.884	9.333	11.667
18	M3	Y	-6.884	-2.906	11.667	14
19	M9	Y	-13.1	-13.1	.003	7.069
20	M10	Y	-22.274	-12.482	0	2
21	M10	Y	-12.482	-2.691	2	4
22	M1	Y	-.274	-7.919	0	2
23	M1	Y	-7.919	-12.642	2	4
24	M1	Y	-12.642	-11.658	4	6
25	M1	Y	-11.658	-11.658	6	8
26	M1	Y	-11.658	-12.642	8	10
27	M1	Y	-12.642	-7.919	10	12
28	M1	Y	-7.919	-.274	12	14
29	M7	Y	-13.1	-13.1	.003	7.069

### Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M2	Z	-.003	-.096	0	2
2	M2	Z	-.096	-.153	2	4
3	M2	Z	-.153	-.141	4	6
4	M2	Z	-.141	-.141	6	8
5	M2	Z	-.141	-.153	8	10
6	M2	Z	-.153	-.096	10	12
7	M2	Z	-.096	-.003	12	14
8	M8	Z	-.158	-.158	.003	7.069
9	M11	Z	-.269	-.151	0	2
10	M11	Z	-.151	-.033	2	4
11	M12	Z	-.269	-.151	0	2
12	M12	Z	-.151	-.033	2	4
13	M3	Z	-.035	-.083	0	2.333

### Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
14	M3	Z	-.083	-.144	2.333	4.667
15	M3	Z	-.144	-.181	4.667	7
16	M3	Z	-.181	-.144	7	9.333
17	M3	Z	-.144	-.083	9.333	11.667
18	M3	Z	-.083	-.035	11.667	14
19	M9	Z	-.158	-.158	.003	7.069
20	M10	Z	-.269	-.151	0	2
21	M10	Z	-.151	-.033	2	4
22	M1	Z	-.003	-.096	0	2
23	M1	Z	-.096	-.153	2	4
24	M1	Z	-.153	-.141	4	6
25	M1	Z	-.141	-.141	6	8
26	M1	Z	-.141	-.153	8	10
27	M1	Z	-.153	-.096	10	12
28	M1	Z	-.096	-.003	12	14
29	M7	Z	-.158	-.158	.003	7.069

### Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M2	X	.003	.096	0	2
2	M2	X	.096	.153	2	4
3	M2	X	.153	.141	4	6
4	M2	X	.141	.141	6	8
5	M2	X	.141	.153	8	10
6	M2	X	.153	.096	10	12
7	M2	X	.096	.003	12	14
8	M8	X	.158	.158	.003	7.069
9	M11	X	.269	.151	0	2
10	M11	X	.151	.033	2	4
11	M12	X	.269	.151	0	2
12	M12	X	.151	.033	2	4
13	M3	X	.035	.083	0	2.333
14	M3	X	.083	.144	2.333	4.667
15	M3	X	.144	.181	4.667	7
16	M3	X	.181	.144	7	9.333
17	M3	X	.144	.083	9.333	11.667
18	M3	X	.083	.035	11.667	14
19	M9	X	.158	.158	.003	7.069
20	M10	X	.269	.151	0	2
21	M10	X	.151	.033	2	4
22	M1	X	.003	.096	0	2
23	M1	X	.096	.153	2	4
24	M1	X	.153	.141	4	6
25	M1	X	.141	.141	6	8
26	M1	X	.141	.153	8	10
27	M1	X	.153	.096	10	12
28	M1	X	.096	.003	12	14
29	M7	X	.158	.158	.003	7.069

### Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N16	N18	N10	N8	Y	Two Way	-.005
2	N18	N15	N9	N10	Y	Two Way	-.005
3	N15	N16	N8	N9	Y	Two Way	-.005

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N16	N18	N10	N8	Y	Two Way	-.005
2	N18	N15	N9	N10	Y	Two Way	-.005
3	N15	N16	N8	N9	Y	Two Way	-.005

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N16	N18	N10	N8	Y	Two Way	-.013
2	N18	N15	N9	N10	Y	Two Way	-.013
3	N15	N16	N8	N9	Y	Two Way	-.013

### Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N16	N18	N10	N8	Y	Two Way	0
2	N18	N15	N9	N10	Y	Two Way	0
3	N15	N16	N8	N9	Y	Two Way	0

### Member Area Loads (BLC 85 : Structure Eh (0 Deg))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N16	N18	N10	N8	Z	Two Way	-.000156
2	N18	N15	N9	N10	Z	Two Way	-.000156
3	N15	N16	N8	N9	Z	Two Way	-.000156

### Member Area Loads (BLC 86 : Structure Eh (90 Deg))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N16	N18	N10	N8	X	Two Way	.000156
2	N18	N15	N9	N10	X	Two Way	.000156
3	N15	N16	N8	N9	X	Two Way	.000156

### 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	N2	max	2201.799	10	226.029	13	676.753	1	0	75	0	75	0	75
2		min	-2201.427	4	60.521	71	-1597.46	19	0	1	0	1	0	1
3	N6	max	3012.273	8	-910.853	9	5215.364	8	0	75	0	75	0	75
4		min	-2182.019	2	-6673.37	15	-3777.322	2	0	1	0	1	0	1
5	N4	max	2790.129	12	-1247.774	3	4391.82	6	0	75	0	75	0	75
6		min	-2536.8	6	-6857.042	21	-4830.599	12	0	1	0	1	0	1
7	N3	max	2061.947	1	8466.959	15	5941.668	2	0	75	0	75	0	75
8		min	-3624.484	7	1382.617	9	-7543.09	8	0	1	0	1	0	1
9	N5	max	2900.135	6	8396.889	21	6962.302	12	0	75	0	75	0	75
10		min	-2559.066	12	1567.897	3	-6517.196	6	0	1	0	1	0	1
11	N160	max	260.225	40	2631.037	19	3724.683	19	0	75	0	75	0	75
12		min	-702.38	22	416.276	1	612.967	1	0	1	0	1	0	1
13	N163	max	3000.849	16	2107.193	15	351.696	7	0	75	0	75	0	75
14		min	350.522	10	252.259	9	-822.637	13	0	1	0	1	0	1
15	N166	max	-215.534	4	1961.534	23	166.641	7	0	75	0	75	0	75
16		min	-2237.866	22	218.974	5	-1689.589	13	0	1	0	1	0	1
17	Totals:	max	4084.916	10	9744.033	24	4104.055	1						
18		min	-4084.917	4	2470.514	69	-4104.06	7						

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

	Member	Shape	Code ...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [...]	phi*Pnt [...]	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M1	L3X3X4	.624	3.354	19	.514	7.438	y	14	15778.129	46656	1.688	2.684	1...	H2-1
2	M2	L3X3X4	.437	7	19	.213	7	y	5	15778.129	46656	1.688	2.73	1...	H2-1
3	M3	L3X3X4	.534	3.354	16	.215	7	y	9	15778.129	46656	1.688	2.907	1...	H2-1
4	M4	C5.25x4X0....	.106	.898	10	.062	1.467	y	10	135878....	151875	12.325	24.87	1...	H1-1b
5	M5	C5.25x4X0....	.272	.419	24	.146	.389	y	12	135878....	151875	12.325	24.87	1...	H1-1b
6	M6	C5.25x4X0....	.403	.419	24	.172	.868	z	24	135878....	151875	12.325	24.87	1...	H1-1b
7	M7	L3X3X4	.384	3.462	9	.033	3.536	z	17	15459.378	46656	1.688	3.195	1...	H2-1
8	M8	L3X3X4	.419	3.536	21	.025	3.536	z	22	15459.378	46656	1.688	3.25	1...	H2-1
9	M9	L3X3X4	.413	3.536	13	.029	3.536	z	13	15459.378	46656	1.688	3.255	1...	H2-1



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

Member	Shape	Code ...	Loc(ft)	LC	Shear ...	Loc(ft)	Dir	LC	phi*Pnc I...	phi*Pnt II...	phi*Mn y...	phi*Mn z...	Cb	Eqn
10	M10	LL3x3x4x0	.118	4	3	.014	0	y	4676288.155	93312	6.48	4.357	1...	H1-1b
11	M11	LL3x3x4x0	.112	4	18	.010	0	z	3076288.155	93312	6.48	4.357	1...	H1-1b
12	M12	LL3x3x4x0	.092	4	5	.012	0	y	2076288.155	93312	6.48	4.357	1...	H1-1b
13	MP1A	PIPE 2.0	.318	6.052	19	.164	5.104		1517855.085	32130	1.872	1.872	4...	H1-1b
14	MP2A	PIPE 2.0	.335	6.052	16	.145	5.104		3117855.085	32130	1.872	1.872	4...	H1-1b
15	MP3A	PIPE 2.0	.370	6.052	22	.300	5.104		2117855.085	32130	1.872	1.872	2...	H1-1b
16	MP4A	PIPE 2.0	.197	5.104	11	.152	5.104		1317855.085	32130	1.872	1.872	3...	H1-1b
17	MP1B	PIPE 2.0	.403	6.052	22	.253	6.052		2317855.085	32130	1.872	1.872	4...	H1-1b
18	MP2B	PIPE 2.0	.338	5.104	12	.098	5.104		1017855.085	32130	1.872	1.872	1...	H1-1b
19	MP3B	PIPE 2.0	.300	6.052	13	.166	5.104		1417855.085	32130	1.872	1.872	1...	H1-1b
20	MP4B	PIPE 2.0	.185	5.104	8	.123	5.104		1217855.085	32130	1.872	1.872	2...	H1-1b
21	MP1C	PIPE 2.0	.328	6.052	14	.220	6.052		1517855.085	32130	1.872	1.872	2...	H1-1b
22	MP2C	PIPE 2.0	.323	5.104	4	.133	5.104		1617855.085	32130	1.872	1.872	2...	H1-1b
23	MP3C	PIPE 2.0	.428	6.052	17	.234	5.104		1817855.085	32130	1.872	1.872	2...	H1-1b
24	MP4C	PIPE 2.0	.278	5.104	42	.130	5.104		4017855.085	32130	1.872	1.872	2...	H1-1b
25	M25	PIPE 2.0	.217	11.917	9	.119	1.083		7 5820.472	32130	1.872	1.872	1...	H1-1b
26	M26	PIPE 2.0	.239	11.917	1	.129	1.083		11 5820.472	32130	1.872	1.872	2...	H1-1b
27	M27	PIPE 2.0	.234	2.708	2	.128	1.083		3 5820.472	32130	1.872	1.872	1...	H1-1b
28	M28	L3X3X4	.200	1.067	1	.056	0	y	1245494.111	46656	1.688	3.756	1...	H2-1
29	M67	PIPE 2.0	.668	11.917	17	.274	2.979		18 5820.472	32130	1.872	1.872	2...	H1-1b
30	M68	PIPE 2.0	.689	11.917	21	.202	2.979		24 5820.472	32130	1.872	1.872	2...	H1-1b
31	M69	PIPE 2.0	.510	11.51	13	.244	2.979		16 5820.472	32130	1.872	1.872	1...	H1-1a
32	M91	L2.5x2.5x4	.240	2.166	20	.018	4.951	y	1317325.162	38556	1.114	2.249	1...	H2-1
33	M92	L2.5x2.5x4	.196	2.166	18	.019	4.951	z	1517325.162	38556	1.114	2.248	1...	H2-1
34	M93	L2.5x2.5x4	.161	2.218	22	.013	4.951	z	1917325.162	38556	1.114	2.248	1...	H2-1
35	M94	L2.5x2.5x4	.183	2.166	13	.009	4.951	y	1717325.162	38556	1.114	2.248	1...	H2-1
36	M95	L2.5x2.5x4	.147	2.218	14	.017	4.951	z	1917325.162	38556	1.114	2.248	1...	H2-1
37	M96	L2.5x2.5x4	.218	2.166	17	.008	4.951	z	8 17325.162	38556	1.114	2.249	1...	H2-1
38	M88	L3X3X4	.457	1.067	22	.019	0	y	3645494.111	46656	1.688	3.756	1...	H2-1
39	M89	L3X3X4	.148	1.567	24	.020	1.567	y	1344186.073	46656	1.688	3.756	1...	H2-1
40	M90	L3X3X4	.187	1.067	9	.058	0	y	2 45494.111	46656	1.688	3.756	1...	H2-1
41	M92A	L3X3X4	.477	1.067	18	.061	1.067	y	4245494.111	46656	1.688	3.756	1...	H2-1
42	M96A	L3X3X4	.198	1.067	11	.053	0	y	1045494.111	46656	1.688	3.756	1...	H2-1
43	M98	L3X3X4	.062	0	11	.021	.156	y	1045494.111	46656	1.688	3.756	2...	H2-1
44	OVP	PIPE 2.0	.127	2	2	.024	2		2 30625.434	32130	1.872	1.872	3...	H1-1b



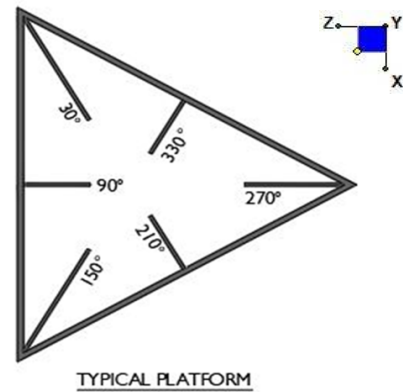
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Site Name:	MANSFIELD NORTH CT		
Project No.	23777215		
Title:	Mount Analysis	Page:	1

Version 3.1

## I. Mount-to-Tower Connection Check

### RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N2	90
N3	90
N4	330
N5	330
N6	210
N7	210



### Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

$d_x$  (in) (Delta X of typ. bolt config. sketch):

$d_y$  (in) (Delta Y of typ. bolt config. sketch):

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

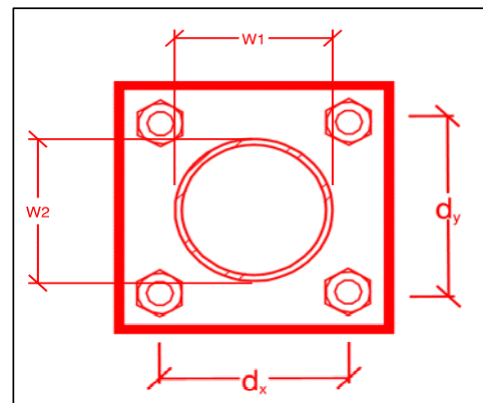
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Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

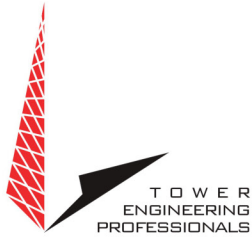
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1
8.5
8.3
53.0
31.8
16.0%*
26.0%



\*Note: Tension reduction not required if tension or shear capacity < 30%

# EXHIBIT 5





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## Non-Ionizing Electromagnetic Radiation (NIER) Study

*Site Number:*

376047

*Site Name:*

Mansfield Center 2 CT

*Location:*

Storrs Mansfield, Connecticut

*Tenants:*

AT&T Mobility, T-Mobile, Dish Wireless, Sprint, & Verizon Wireless

*Prepared For:*

American Tower, Inc.  
Woburn, Massachusetts

August 31<sup>st</sup>, 2023

83574 P-405482

Prepared By:

Adam Carlson MS, CBRE, CPI  
Program Manager RF Design & Service  
Tower Engineering Professionals

Approved By:



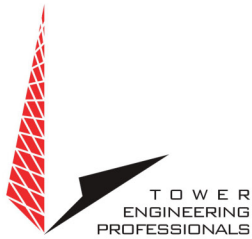
09/07/2023



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## Disclaimer Notice

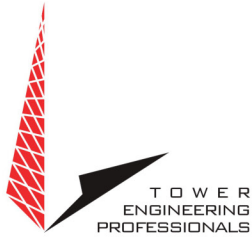
This work is based upon our best interpretation of available information. However, these data and their interpretation are constantly changing. Therefore, we do not warrant that any undertaking based on this report will be successful, or that others will not require further research or actions in support of this proposal or future undertaking. In the event of errors, our liability is strictly limited to the replacement of this document with a corrected one. Liability for consequential damages is specifically denied. Any use of this document constitutes an agreement to hold Tower Engineering Professionals and its employees harmless and indemnify it for all liability, claims, demands, and litigation expenses and attorney's fees arising out of such use.

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TOWER ENGINEERING PROFESSIONALS

RALEIGH, NORTH CAROLINA



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## Non-Ionizing Electromagnetic Radiation (NIER) Study

376047 Mansfield Center 2 CT  
Storrs Mansfield, Connecticut

### INTRODUCTION

Tower Engineering Professionals RF Design & Services Division (TEP-RF) of Raleigh, North Carolina, has been retained by American Tower, Inc. (ATC), of Woburn, Massachusetts to evaluate the RF emissions compared to the Maximum Permissible Exposure (MPE) limit for facilities at this location. This evaluation uses compliance standards as outlined in Federal Communications Commission (FCC) document OET-65.

### SITE AND FACILITY CONSIDERATIONS

Site 376047 Mansfield Center 2 CT is located at 20 Post Office Ln., in Storrs Mansfield, Connecticut at coordinates 41.835953, -72.307847. The support structure is a 171' monopole. An aerial view of the tower can be found in Appendix 1, Site Photos. The tenants are AT&T Mobility (AT&T), T-Mobile (T-Mobile), Dish Wireless (Dish), Sprint (Sprint), & Verizon Wireless (VZW). A table listing all antennae and effective radiated power (ERP) levels that were used in this study may be found in Appendix 2, Antenna Inventory.

### POWER DENSITY CALCULATIONS

Power densities were calculated based on FCC MPE limits for both General Population/Uncontrolled and Occupational/Controlled environments.

For the purpose of this study, a radius of 90' from the base of the tower with a height of 6' above ground level was used, beyond 90' the MPE levels become *di minimus*. This study utilized FCC recognized and accepted software programs using the maximum ERP levels for the antenna models provided by ATC. Diagrams depicting the predicted spatial average power density level at any specific location may be found in Appendix 3, MPE Limit Study. A discussion regarding the FCC limits may be found in Appendix 4, Information Pertaining to MPE Studies. Study methodology describing Non-ionizing Radiation Prediction Models used in this study may be found in Appendix 5, MPE Standards Methodology.



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All data used in this study was collected from one or more of the following sources:

- ATC furnished data and does not include other unidentified communication facilities.
- Load List at 376047 MANSFIELD CENTER 2 CT.RF NIER Study 8/15/23.
- FCC databases.
- Carrier standard configurations.
- Empirical data collected by TEP.

### SITE MITIGATION & CONTROL

In order to comply with FCC, tenant, & ATC requirements, TEP recommends the placement of signage at the base of the tower and all compound access points to alert workers of potential exposure to RF fields while working on or near the antennae.

TEP recommends that all personnel working on this tower be trained in RF safety procedures and carry a personal RF monitor at all times.

### COMPLIANCE DETERMINATION

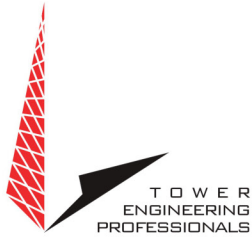
This installation **IS** in compliance with current FCC MPE limits as described in FCC OET-65.

## APPENDIX 1 Site Photos



Aerial View of Site

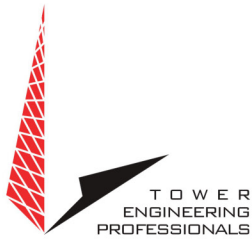




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## Appendix 2.1 Antenna Inventory

376047 Mansfield Center 2 CT							
Antenna Inventory							
Antenna #	Carrier	Antenna Manufacturer	Antenna Model	Frequency Band (MHz)	Azimuth (°)	Effective Radiated Power (W)	Radiation Center (ft)
1	Verizon	Commscope	NHH-65B-R2B	1900/2100	000	35085	174
2	Verizon	Commscope	NHH-65B-R2B	1900/2100	120	35085	174
3	Verizon	Commscope	NHH-65B-R2B	1900/2100	240	35085	174
4	Verizon	Commscope	NHH-65B-R2B	1900/2100	000	35085	174
5	Verizon	Commscope	NHH-65B-R2B	1900/2100	120	35085	174
6	Verizon	Commscope	NHH-65B-R2B	1900/2100	240	35085	174
7	Verizon	Samsung	MT6407	3700/3800/3900	030	18286	174
8	Verizon	Samsung	MT6407	3700/3800/3900	150	18286	174
9	Verizon	Samsung	MT6407	3700/3800/3900	270	18286	174
10	Verizon	Antel	BXA-70080	800	000	15311	174
11	Verizon	Antel	BXA-70080	800	120	15311	174
12	Verizon	Antel	BXA-70080	800	240	15311	174
13	T-Mobile	RFS	APXVAALL24	600/700/2100	060	19499	162
14	T-Mobile	RFS	APXVAALL24	600/700/2100	180	19499	162
15	T-Mobile	RFS	APXVAALL24	600/700/2100	300	19499	162
16	T-Mobile	RFS	APXV18-203219	1900	060	8434	162
17	T-Mobile	RFS	APXV18-203219	1900	180	8434	162
18	T-Mobile	RFS	APXV18-203219	1900	300	8434	162

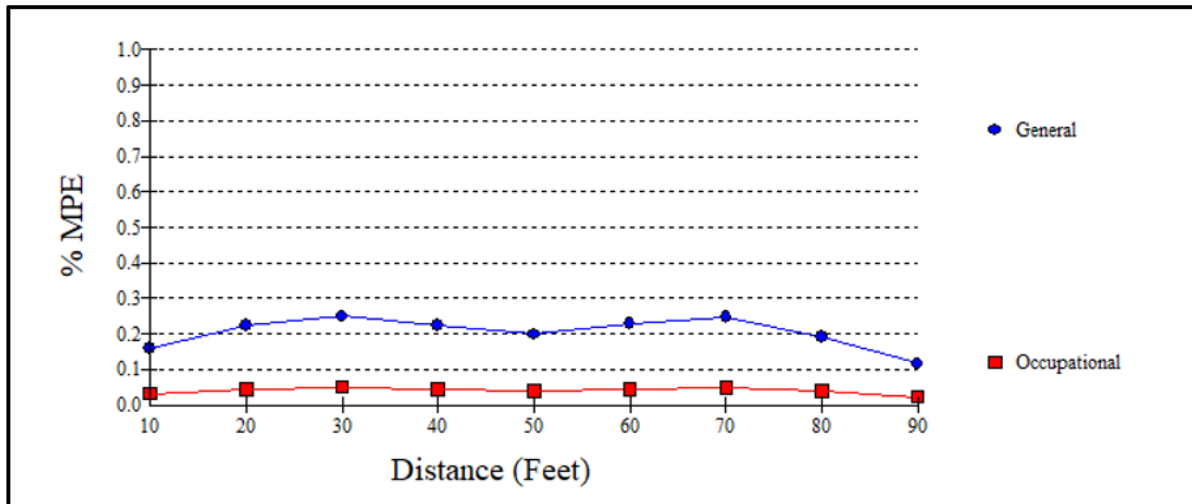


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## Appendix 2.2 Antenna Inventory

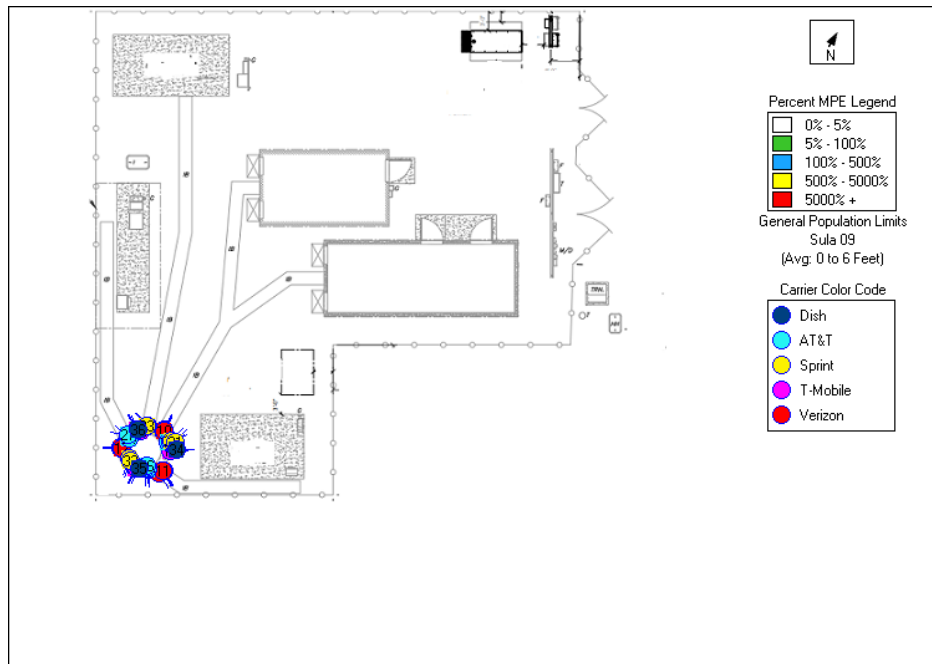
376047 Mansfield Center 2 CT							
Antenna Inventory							
Antenna #	Carrier	Antenna Manufacturer	Antenna Model	Frequency Band (MHz)	Azimuth (°)	Effective Radiated Power (W)	Radiation Center (ft)
19	AT&T	Powerwave	7770	800/1900	035	11906	150
20	AT&T	Powerwave	7770	800/1900	145	11906	150
21	AT&T	Powerwave	7770	800/1900	280	11906	150
22	AT&T	Powerwave	7770	800/1900	035	11906	150
23	AT&T	Powerwave	7770	800/1900	145	11906	150
24	AT&T	Powerwave	7770	800/1900	280	11906	150
25	AT&T	Powerwave	P65-17-XLH-RR	700/800/1700/1800/1900/2100/2200/2300	150	12099	150
26	AT&T	KMW	AM-X-CD-16	700/800/1700/1800/1900/2100/2200/2300	128	10542	150
27	AT&T	KMW	AM-X-CD-16	700/800/1700/1800/1900/2100/2200/2300	248	10542	150
28	Sprint	RFS	APXV9ERR18	800/1900	010	18002	130
29	Sprint	RFS	APXV9ERR18	800/1900	170	18002	130
30	Sprint	RFS	APXV9ERR18	800/1900	290	18002	130
31	Sprint	RFS	APXV9TM14	2500/2600	010	11126	130
32	Sprint	RFS	APXV9TM14	2500/2600	170	11126	130
33	Sprint	RFS	APXV9TM14	2500/2600	290	11126	130
34	Dish	JMA	MX08FRO665-21	600/1900/2100	060	26051	100
35	Dish	JMA	MX08FRO665-21	600/1900/2100	180	26051	100
36	Dish	JMA	MX08FRO665-21	600/1900/2100	300	26051	100

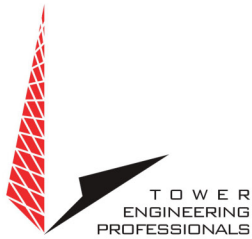
## Appendix 3.1 MPE Limit Study



Maximum Power Density (@30'):	0.0016 mW/cm <sup>2</sup>
General Population MPE (@30'):	0.2494%
Occupational MPE (@30'):	0.099%

## Appendix 3.2 MPE Limit Study





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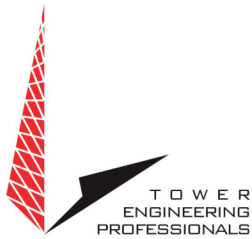
## Appendix 4 Information Pertaining to MPE Studies

In 1985, the FCC first adopted guidelines to be used for evaluating human exposure to RF emissions. The FCC revised and updated these guidelines on August 1, 1996, as a result of a rule-making proceeding initiated in 1993. The new guidelines incorporate limits for Maximum Permissible Exposure (MPE) in terms of electric and magnetic field strength and power density for transmitters operating at frequencies between 300 kHz and 100 GHz.

The FCC's MPE limits are based on exposure limits recommended by the National Council on Radiation Protection and Measurements (NCRP), and, over a wide range of frequencies, the exposure limits were developed by the Institute of Electrical and Electronics Engineers, Inc., (IEEE) and adopted by the American National Standards Institute (ANSI) to replace the 1982 ANSI guidelines. Limits for localized absorption are based on recommendations of both ANSI/IEEE and NCRP.

The FCC's limits, and the NCRP and ANSI/IEEE limits on which they are based, are derived from exposure criteria quantified in terms of specific absorption rate (SAR). The basis for these limits is a whole-body averaged SAR threshold level of 4 watts per kilogram (4 W/kg), as averaged over the entire mass of the body, above which expert organizations have determined that potentially hazardous exposures may occur. The MPE limits are derived by incorporating safety factors that lead, in some cases, to limits that are more conservative than the limits originally adopted by the FCC in 1985. Where more conservative limits exist, they do not arise from a fundamental change in the RF safety criteria for whole-body averaged SAR, but from a precautionary desire to protect subgroups of the general population who, potentially, may be more at risk.

The FCC exposure limits are also based on data showing that the human body absorbs RF energy at some frequencies more efficiently than at others. The most restrictive limits occur in the frequency range of 30-300 MHz where whole-body absorption of RF energy by human beings is most efficient. At other frequencies, whole-body absorption is less efficient, and consequently, the MPE limits are less restrictive.



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MPE limits are defined in terms of power density (units of milliwatts per centimeter squared:  $\text{mW}/\text{cm}^2$ ), electric field strength (units of volts per meter:  $\text{V}/\text{m}$ ) and magnetic field strength (units of amperes per meter:  $\text{A}/\text{m}$ ). The far-field of a transmitting antenna is where the electric field vector (E), the magnetic field vector (H), and the direction of propagation can be considered to be all mutually orthogonal ("plane-wave" conditions).

**Occupational/controlled exposure** limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

**General population/uncontrolled exposure** limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment-related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area. Additional details can be found in FCC OET 65.

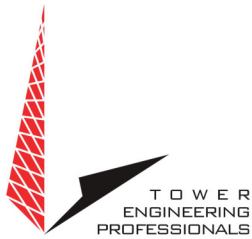


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## Appendix 5 MPE Standards Methodology

This study predicts RF field strength and power density levels that emanate from communications system antennae. It considers all transmitter power levels (less filter and line losses) delivered to each active transmitting antenna at the communications site. Calculations are performed to determine power density and MPE levels for each antenna as well as composite levels from all antennas. The calculated levels are based on where a human (Observer) would be standing at various locations at the site. The point of interest where the MPE level is predicted is based on the height of the Observer.

Compliance with the FCC limits on RF emissions are determined by spatially averaging a person's exposure over the projected area of an adult human body, that is approximately six-feet or two-meters, as defined in the ANSI/IEEE C95.1 standard. The MPE limits are specified as time-averaged exposure limits. This means that exposure is averaged over an identifiable time interval. It is 30 minutes for the general population/uncontrolled RF environment and 6 minutes for the occupational/controlled RF environment. However, in the case of the general public, time averaging should not be applied because the general public is typically not aware of RF exposure, and they do not have control of their exposure time. Therefore, it should be assumed that any RF exposure to the general public will be continuous.



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The FCC's limits for exposure at different frequencies are shown in the following Tables.

Limits for Occupational/Controlled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm <sup>2</sup> )	Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes)
0.3 - 3.0	614	1.63	100*	6
3.0 - 30	1842/f	4.89/f	900/F <sup>2</sup>	6
30 - 300	61.4	0.163	1.0	6
300 - 1500	--	--	f/300	6
1500 - 100,000	--	--	5	6

f = frequency

\* = Plane-wave equivalent power density





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Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

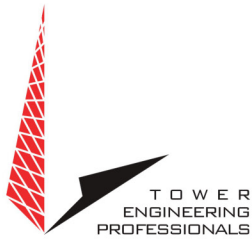
Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm <sup>2</sup> )	Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes)
0.3 - 1.34	614	1.63	100*	30
1.34 - 30	824/f	2.19/f	180/F <sup>2</sup>	30
30 -300	27.5	0.073	0.2	30
300 -1500	--	--	f/1500	30
1500 -100,000	--	--	1.0	30

f = frequency

\* = Plane-wave equivalent power density

General population/uncontrolled exposures apply in situations in which the general public may be exposed or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

It is important to understand that these limits apply cumulatively to all sources of RF emissions affecting a given area. For example, if several different communications system antennas occupy a shared facility such as a tower or rooftop, then the total exposure from all systems at the facility must be within compliance of the FCC guidelines.



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The field strength emanating from an antenna can be estimated based on the characteristics of an antenna radiating in free space. There are basically two field areas associated with a radiating antenna. When close to the antenna, the region is known as the Near Field. Within this region, the characteristics of the RF fields are very complex, and the wave front is extremely curved. As you move further from the antenna, the wave front has less curvature and becomes planar. The wave front still has a curvature, but it appears to occupy a flat plane in space (plane-wave radiation). This region is known as the Far Field.

Two models are utilized to predict Near and Far field power densities. They are based on the formulae in FCC OET 65.

#### **Cylindrical Model (Near Field Predictions)**

Spatially averaged plane-wave equivalent power densities parallel to the antenna may be estimated by dividing the antenna input power by the surface area of an imaginary cylinder surrounding the length of the radiating antenna. While the actual power density will vary along the height of the antenna, the average value along its length will closely follow the relation given by the following equation:

$$S = P \div 2\pi RL$$

Where:

S = Power Density

P = Total Power into antenna

R = Distance from the antenna

L = Antenna aperture length



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For directional-type antennas, power densities can be estimated by dividing the input power by that portion of a cylindrical surface area corresponding to the angular beam width of the antenna. For example, for the case of a 120-degree azimuthal beam width, the surface area should correspond to 1/3 that of a full cylinder. This would increase the power density near the antenna by a factor of three over that for a purely omni-directional antenna. Mathematically, this can be represented by the following formula:

$$S = (180 / \theta_{BW}) P \div \pi RL$$

Where:

S = Power Density

$\theta_{BW}$  = Beam width of antenna in degrees (3 dB half-power point)

P = Total Power into antenna

R = Distance from the antenna

L = Antenna aperture length

If the antenna is a 360-degree omni-directional antenna, this formula would be equivalent to the previous formula.



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### **Spherical Model (Far Field Predictions)**

Spatially averaged plane-wave power densities in the Far Field of an antenna may be estimated by considering the additional factors of antenna gain and reflective waves that would contribute to exposure.

The radiation pattern of an antenna has developed in the Far Field region and the power gain needs to be considered in exposure predictions. Also, if the vertical radiation pattern of the antenna is considered, the exposure predictions would most likely be reduced significantly at ground level, resulting in a more realistic estimate of the actual exposure levels.

Additionally, to model a truly "worst case" prediction of exposure levels at or near a surface, such as at ground-level or on a rooftop, reflection off the surface of antenna radiation power can be assumed, resulting in a potential four-fold increase in power density.

These additional factors are considered, and the Far Field prediction model is determined by the following equation:

$$S = EIRP \times Rc \div 4\pi R^2$$

Where:

S = Power Density

EIRP = Effective Radiated Power from antenna

Rc = Reflection Coefficient (2.56)

R = Distance from the antenna

The EIRP includes the antenna gain. If the antenna pattern is considered, the antenna gain is relative based on the horizontal and vertical pattern gain values at that particular location in space, on a rooftop or on the ground. However, it is recommended that the antenna radiation pattern characteristics not be considered to provide a conservative "worst case" prediction. This is the equation is utilized for the Far Field exposure predictions herein.

# EXHIBIT 6





PLANNING AND ZONING COMMISSION  
TOWN OF MANSFIELD

7099 3220 0000 8446 0796

AUDREY P. BECK BUILDING  
FOUR SOUTH EAGLEVILLE ROAD  
STORRS, CONNECTICUT 06268  
(203) 429-3330

January 25, 2002

Wendell G. Davis, Esq.  
SBM Properties, Inc.  
80 Eastern Boulevard  
Glastonbury, CT 06033

Re: Special permit application for telecommunication tower at 1725 Stafford Rd.,  
Mansfield, Connecticut, PZC file 1182

Dear Mr. Davis:

At a regular meeting held on January 22, 2002, the Mansfield Planning and Zoning Commission adopted the following motion:

"to approve with conditions the special permit application (file 1182) of SBA Properties, LLC and the Town of Mansfield for a telecommunication tower and related facilities on property located at 1725 Stafford Road in a Neighborhood Business-1 zone, as submitted to the Commission and shown on plans revised to 12/11/01 and as presented at a Public Hearing on 1/7/02. This approval is granted because the application as hereby approved is considered to be in compliance with Article V, Section B, Article X, Section R and other provisions of the Mansfield Zoning Regulations, and is granted with the following conditions:

1. This approval is based on submitted plans and project descriptions. Any change in plans or the proposed use of the site shall require further review and approval as per Mansfield's Zoning Regulations. The applicant shall be responsible for meeting Building Permit requirements and complying with all applicable State and Federal regulations pertaining to the subject telecommunication use.
2. Prior to any use of the telecommunication facilities and the issuance of a Certificate of Compliance, all site work shall be satisfactorily completed. Based on the provisions of Article V, Section B.7.c, a variation of this condition may be authorized by the Commission where public health and safety components of the project have been satisfactorily completed.
3. The final plans shall eliminate the current references to "Mansfield Center."
4. Whereas a \$20,000 bond has been incorporated into the Town's lease arrangement with SBA Properties, LLC, to address removal of telecommunications facilities, a separate bond pursuant to Art. X, Sec. R.6 of the Zoning Regulations shall not be required. If this lease provision is deleted, a separate bond to address the abandonment provisions of the Zoning Regulations shall be required.
5. This permit shall not become valid until the applicant obtains the permit form from the Planning Office and files it on the Land Records."

(over)

If you have any questions regarding this action, you may contact the Planning Office, 429-3330. It is suggested that you call the Planning Office in advance, to make sure the permit form is ready for filing.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Katherine K. Holt", with a horizontal line extending from the end of the signature.

Katherine K. Holt, Secretary  
Mansfield Planning and Zoning Commission

blind copy to T.M. 1/22/02.

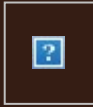
# EXHIBIT 7





**From:** [UPS](#)  
**To:** [Barbara Kassabian](#)  
**Subject:** UPS Delivery Notification, Tracking Number 1Z9Y45030333631092  
**Date:** Tuesday, September 19, 2023 9:50:16 AM

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**Hello, your package has been delivered.**

**Delivery Date:** Tuesday, 09/19/2023

**Delivery Time:** 9:49 AM

**Signed by:** LONG

## CENTERLINE SITE ACQUISITION

<b>Tracking Number:</b>	<a href="#">1Z9Y45030333631092</a>
<b>Ship To:</b>	AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 018011053 US
<b>Number of Packages:</b>	1
<b>UPS Service:</b>	UPS Ground
<b>Package Weight:</b>	1.0 LBS
<b>Reference Number:</b>	14519489

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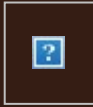
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**To:** [Barbara Kassabian](#)  
**Subject:** UPS Delivery Notification, Tracking Number 1Z9Y45030321936875  
**Date:** Tuesday, September 19, 2023 1:08:03 PM

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**Hello, your package has been delivered.**

**Delivery Date:** Tuesday, 09/19/2023

**Delivery Time:** 1:07 PM

**Signed by:** BIGGIE

## CENTERLINE SITE ACQUISITION

<b>Tracking Number:</b>	<a href="#">1Z9Y45030321936875</a>
<b>Ship To:</b>	TOWN OF STORRS MANSFIELD AUDREY P BECK MUNICIPAL BUILDING 4 SOUTH EAGLEVILLE ROAD STORRS MANSFIELD, CT 062682574 US
<b>Number of Packages:</b>	1
<b>UPS Service:</b>	UPS Ground
<b>Package Weight:</b>	1.0 LBS
<b>Reference Number:</b>	14519489

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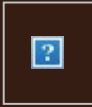
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**From:** [UPS](#)  
**To:** [Barbara Kassabian](#)  
**Subject:** UPS Delivery Notification, Tracking Number 1Z9Y45030339887485  
**Date:** Tuesday, September 19, 2023 1:09:03 PM

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**Hello, your package has been delivered.**

**Delivery Date:** Tuesday, 09/19/2023

**Delivery Time:** 1:07 PM

**Signed by:** STANKOFF

## CENTERLINE SITE ACQUISITION

<b>Tracking Number:</b>	<a href="#">1Z9Y45030339887485</a>
<b>Ship To:</b>	DIRECTOR PLANNING AND DEVELOPMENT AUDREY P BECK BUILDING 4 SOUTH EAGLEVILLE ROAD STORRS MANSFIELD, CT 062682574 US
<b>Number of Packages:</b>	1
<b>UPS Service:</b>	UPS Ground
<b>Package Weight:</b>	1.0 LBS
<b>Reference Number:</b>	14519489

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