



Derek Maheux Program Manager
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Centerline Communications, LLC
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September 19, 2023

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

**RE: Notice of Exempt Modification // Site: WATERBURY CT (ATC: 302476)
Farmdale Drive (aka 352 Garden Circle) Waterbury, CT 06704
N 41.26281608 // W -72.83440687**

Dear Ms. Bachman,

Cellco Partnership d/b/a Verizon Wireless currently maintains twelve (12) antenna at the 129-ft level on the existing 150ft Monopole tower, located at Farmdale Drive (aka 352 Garden Circle), Waterbury, CT. The tower is owned by American Tower. The Council approved Verizon Wireless use of the existing tower in 1994. Verizon Wireless proposed modification involves removing 3 of its existing antennas and installing three (3) new antennas, three (3) cell site routers and the installation of three (3) interference mitigation filters on Verizon Wireless existing antenna platform and mounting assembly. Additionally, Verizon Wireless will be modifying its ground-based equipment by installing one (1) pulsar edge controller, one (1) RS485 card, one (1) powershift rack, six (6) powershift modules and six (6) bypass modules: altogether updating leased equipment rights, as reflected by the final configuration and proposed hereby.

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 Branford'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 7, 2023, by Dewberry Engineers Inc, a structural analysis dated August 21, 2023, by American Tower, a structural mount analysis by Colliers Engineering and Design date August 2, 2023, and Non-Ionizing Electromagnetic Radiation (NIER) study dated August 29, 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. Design and engineering are fully illustrated within final construction drawings.

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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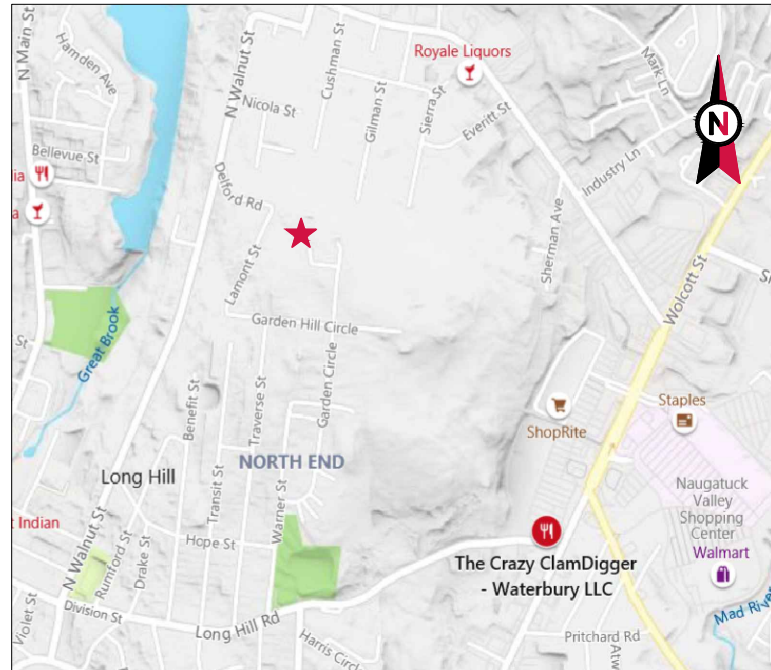
Attachments: Exhibit 1 – Construction Drawings
Exhibit 2 – Property Card and GIS
Exhibit 3 – Structural Analysis
Exhibit 4 – Mount Analysis
Exhibit 5 – RF Emissions Analysis Report Evaluation
Exhibit 6 – Available Original Tower Approval Records
Exhibit 7 – Notice Deliver Confirmations



cc: The Honorable Neil M. O'Leary – Mayor – Chief Elected Official
Robert Nerney, City Planner - as P&Z official
American Tower Corporation - as tower owner and Ground Owner

EXHIBIT 1



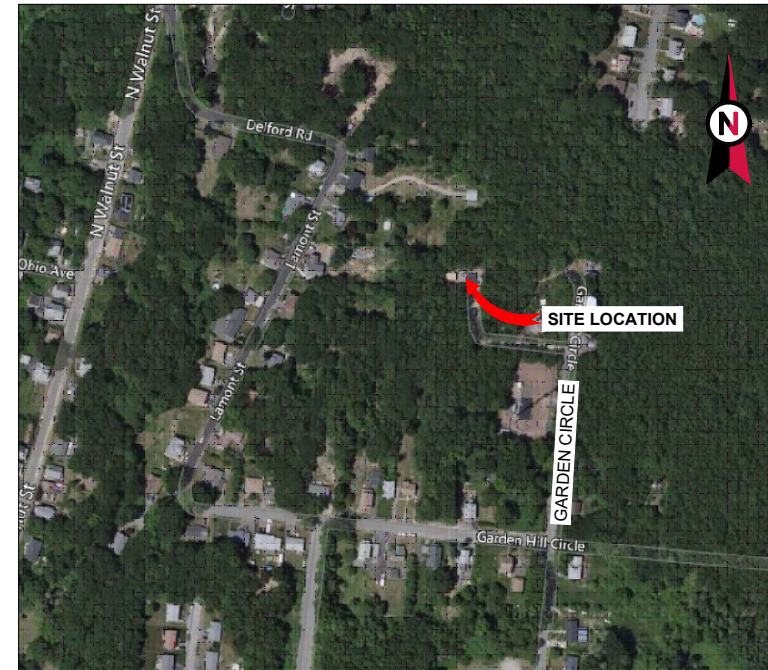


VICINITY MAP



AMERICAN TOWER®

ATC SITE NAME: WTBR - WATERBURY
 ATC SITE NUMBER: 302476
 VERIZON SITE NAME: WATERBURY CT
 VERIZON SITE NUMBER: 469238
 SITE ADDRESS: 352 GARDEN CIRCLE
 WATERBURY, CT 06704-2833



LOCATION MAP

**VERIZON
 ANTENNA AMENDMENT DRAWINGS**

COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION	SHEET INDEX				
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES. 1. 2022 CONNECTICUT STATE BUILDING CODE-AMENDMENTS TO IBC 2021 2. INTERNATIONAL BUILDING CODE 2021, INTERNATIONAL CODE COUNCIL 3. TIA-222-H, STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS 4. ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, AMERICAN SOCIETY OF CIVIL ENGINEERS 5. STEEL CONSTRUCTION MANUAL 14TH EDITION, AMERICAN INSTITUTE OF STEEL CONSTRUCTION 6. CITY/COUNTY ORDINANCES	<u>SITE ADDRESS:</u> 352 GARDEN CIRCLE WATERBURY, CT 06704-2833 COUNTY: SUFFOLK <u>GEOGRAPHIC COORDINATES:</u> LATITUDE: 41.57066 LONGITUDE: -73.0176 GROUND ELEVATION: 826' AMSL	THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW: <u>TOWER WORK:</u> INSTALL (3) ANTENNA(s), (3) CELL SITE ROUTER(s) AND (3) BAS FILTERS EXISTING (12) ANTENNA(s), (9) RRH(s), (3) DIPLEXER(s), (6) 1-5/8" COAX CABLE(s), (1) OVP-12 AND (2) 1-5/8" HYBRID CABLE(s) TO REMAIN <u>GROUND WORK:</u> INSTALL (1) PULSAR EDGE CONTROLLER, (1) RS485 CARD, (1) POWERSHIFT RACK, (6) POWERSHIFT MODULES AND (6) BYPASS MODULES EXISTING (1) LCC4 TO REMAIN	SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
	<u>PROJECT TEAM</u> <u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 <u>ENGINEER:</u> DEWBERRY ENGINEERS, INC. 99 SUMMER STREET SUITE 700 BOSTON, MA 02110 <u>PROPERTY OWNER:</u> N/A 352 GARDEN CIRCLE WATERBURY, CT 06704	<u>PROJECT NOTES</u> 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED. 6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION REMOVAL AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR 1.61000 (B)(7).	G-001	TITLE SHEET	2	08/15/23	JI
<u>UTILITY COMPANIES</u> POWER COMPANY: EVERSOURCE PHONE: (877) 659-6326 TELEPHONE COMPANY: FRONTIER COMMUNICATIONS PHONE: (800) 376-6843	<u>PROJECT TEAM</u> <u>APPLICANT:</u> VERIZON WIRELESS 118 FLANDERS ROAD WESTBOROUGH, MA 01581	<u>PROJECT LOCATION DIRECTIONS</u> FROM HARTFORD TAKE I-84 WEST TO EXIT 23. FOLLOW RT 69 NORTH TO WOLCOTT RD AND TURN LEFT. AT FIRST LIGSL TURN RIGSL ONTO LONG HILL RD. GO UP HILL, THROUGH THE STOP SIGN AND TAKE THE FIRST RIGSL ONTO WARNER RD. GO UP HILL AND TAKE FIRST RIGSL ONTO GARDEN CIRCLE. FOLLOW TO END TO ACCESS ROAD FOR THE 5 TOWERS. PAST THE FIRST TOWER ON LEFT THERE IS AN ACCESS ROAD ON THE LEFT. FOLLOW THAT TO THE TOWER.	G-002	GENERAL NOTES	2	08/15/23	JI
<u>811</u> Know what's below. Call before you dig.			C-101	DETAILED SITE PLAN	2	08/15/23	JI
			C-201	TOWER ELEVATION	2	08/15/23	JI
			C-401	ANTENNA INFORMATION & SCHEDULE	2	08/15/23	JI
			C-501	CONSTRUCTION DETAILS	2	08/15/23	JI
			E-501	GROUNDING DETAILS	2	08/15/23	JI
			R-601	SUPPLEMENTAL			
			R-602	SUPPLEMENTAL			



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 99 SUMMER STREET
 SUITE 700
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 FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
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 352 GARDEN CIRCLE
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DATE DRAWN:	06/25/21
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CUSTOMER ID:	WATERBURY CT
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TITLE SHEET

SHEET NUMBER: **G-001** REVISION: **2**

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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 LIGSLING
 - 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. 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.
29. 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 NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLIGENCE 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.
30. 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.
31. 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.
32. 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.
33. 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.

SPECIAL CONSTRUCTION

ANTENNA INSTALLATION NOTES:

1. WORK INCLUDED:
 - A. ANTENNA AND COAXIAL 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 AND
 - B. INSTALL ANTENNA AS INDICATE ON DRAWINGS AND VERIZON SPECIFICATIONS.
 - C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS
 - D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE.
 - E. CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS USING ANRITZU-PACKARD 8713B RF SCALAR NETWORK ANALYZER. SUBMIT FREQUENCY DOMAIN REFLECTOMETER(FDR) TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE AS PER ATTACHED RFS "MINIMUM FIELD TESTING RECOMMENDED FOR ANTENNA AND HELIAX COAXIAL CABLE SYSTEMS" DATED 10/5/93. TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.
 - F. INSTALL COAXIAL 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 CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.
 - G. ANTENNA AND COAXIAL CABLE GROUNDING:
2. ALL EXTERIOR #6 GREEDED GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPICE WEATHERPROOFING KIT #221213 OR EQUAL.
3. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS)

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.



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 BOSTON, MA 02110
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 FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
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SITE ADDRESS:
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verizon

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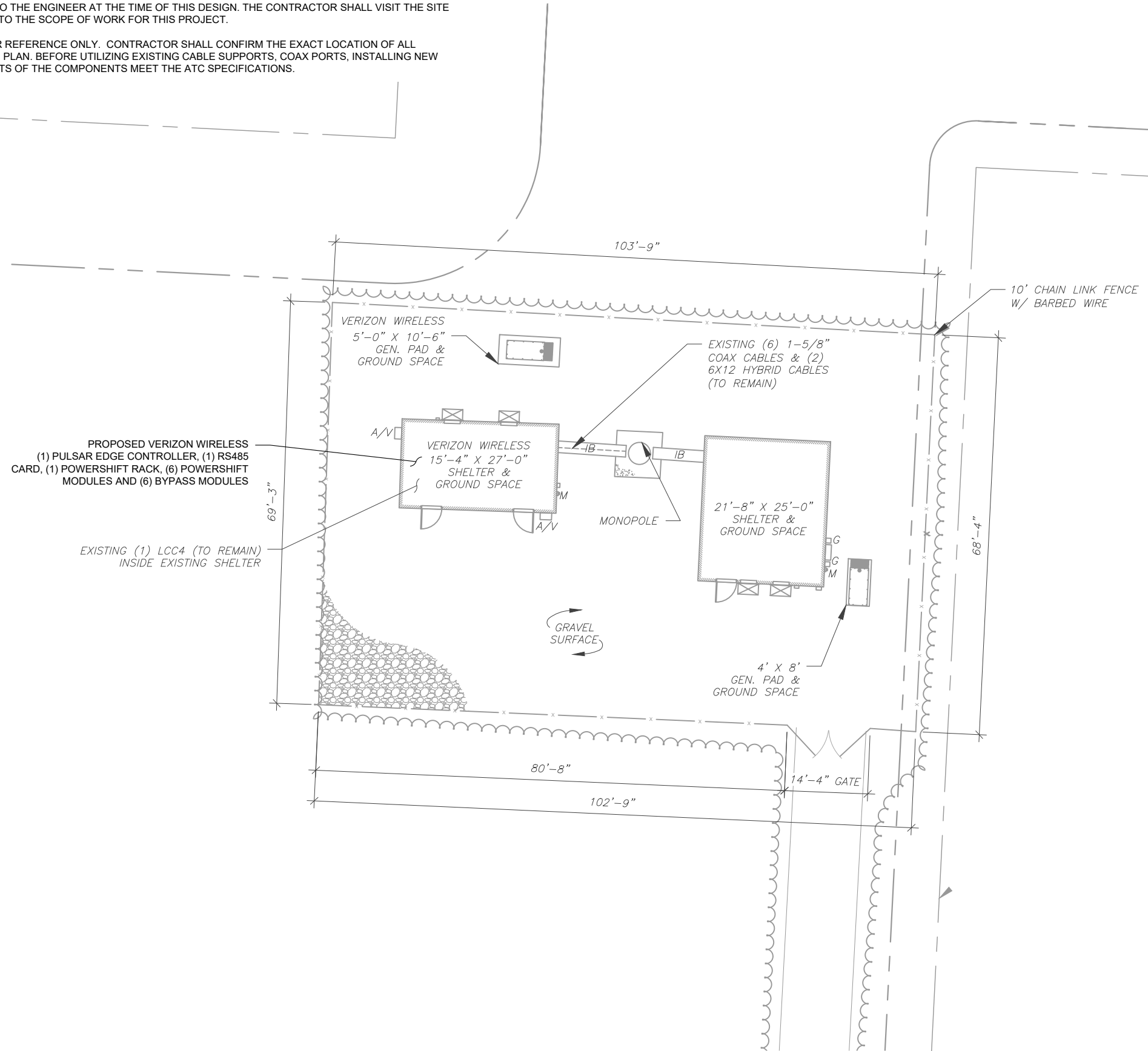
GENERAL NOTES

SHEET NUMBER: G-002	REVISION: 2
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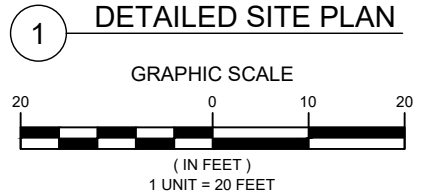
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SITE PLAN NOTES:

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 RECEPTACAL
HH, V	HAND HOLE, VAULT
IB	ICE BRIDGE
K	KENTROX BOX
LC	LIGSLING CONTROL
M	METER
PB	PULL BOX
PP	POWER POLE
T	TELCO
TRN	TRANSFORMER
x	CHAINLINK FENCE



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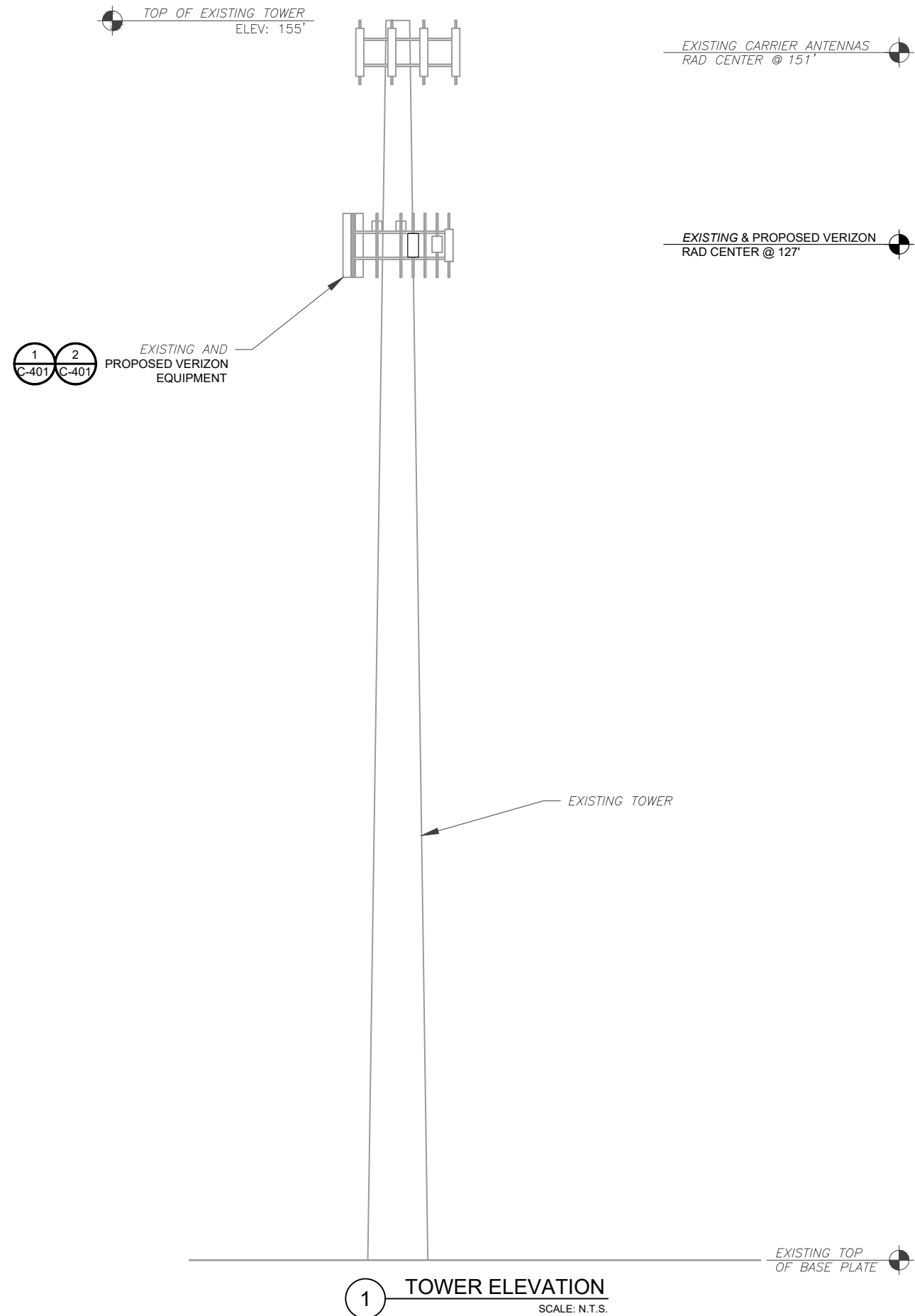
SITE ADDRESS:
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 WATERBURY, CT 06704-2833



DATE DRAWN:	06/25/21
ATC JOB NO:	13687186
CUSTOMER ID:	WATERBURY CT
CUSTOMER #:	469238

DETAILED SITE PLAN	
SHEET NUMBER: C-101	REVISION: 2

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PER MOUNT ANALYSIS COMPLETED BY COLLIERS ENGINEERING & DESIGN CT, P.C., DATED 08/02/23, 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.

TOWER NOTE:

1. 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.
2. 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.
3. TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)

1 TOWER ELEVATION
SCALE: N.T.S.



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SITE ADDRESS:
352 GARDEN CIRCLE
WATERBURY, CT 06704-2833

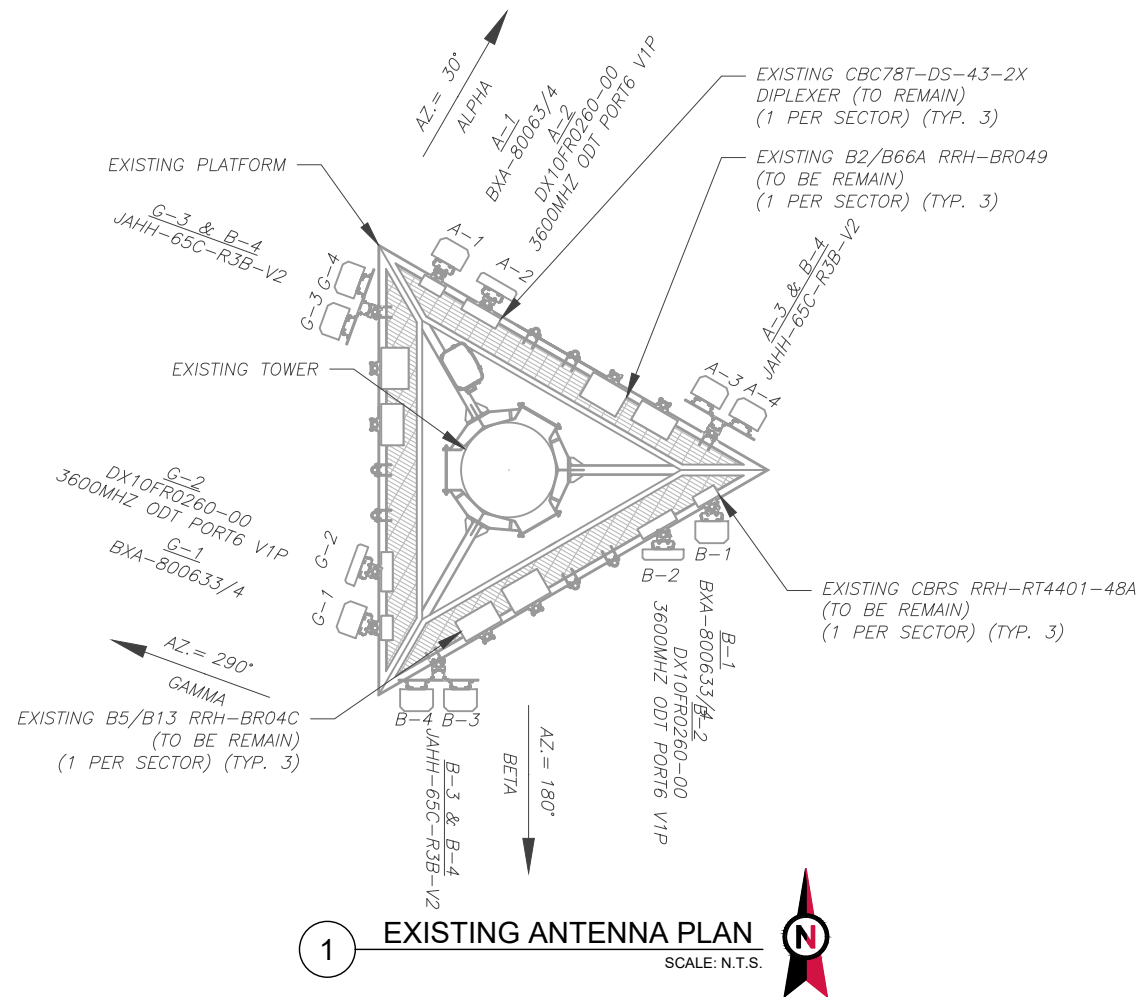


DATE DRAWN:	06/25/21
ATC JOB NO:	13687186
CUSTOMER ID:	WATERBURY CT
CUSTOMER #:	469238

TOWER ELEVATION

SHEET NUMBER:	REVISION:
C-201	2

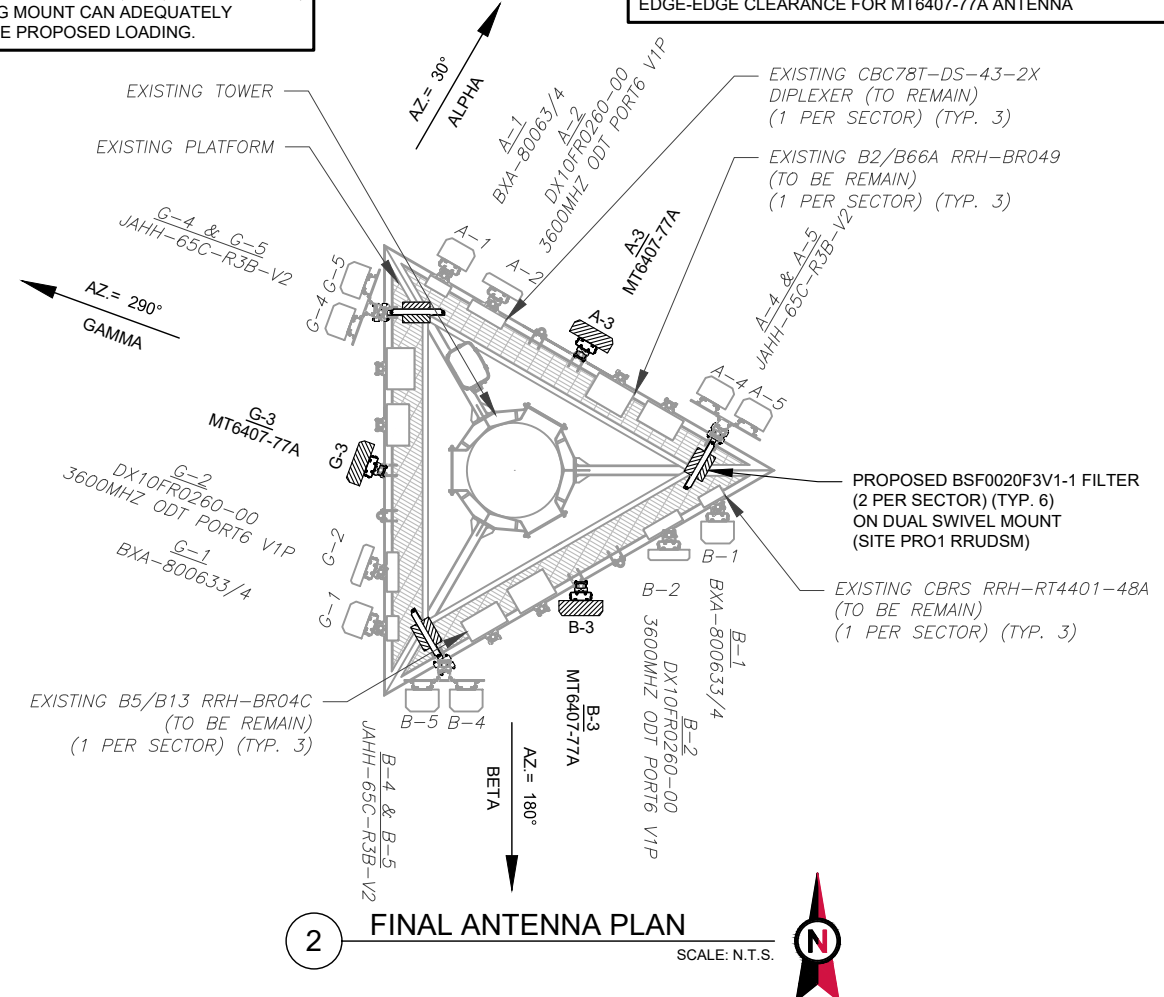
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1 EXISTING ANTENNA PLAN
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY COLLIERS ENGINEERING & DESIGN CT, P.C., DATED 08/02/23, THE EXISTING MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING.

CONTRACTOR SHALL RE-LOCATE EXISTING ANTENNA MAST(S) ALONG MOUNT FACE AS NECESSARY TO PROVIDE 16" EDGE-EDGE CLEARANCE FOR MT6407-77A ANTENNA



2 FINAL ANTENNA PLAN
SCALE: N.T.S.

EXISTING ANTENNA SCHEDULE											
LOCATION		ANTENNA SUMMARY					NON ANTENNA SUMMARY				
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS		
ALPHA	127'	30°	A1	BXA-88063/4	850 CDMA	0/0	RMN	CBRS RRH-RT4401-48A	RMN		
			A2	DX10FR0260-00 3600MHZ ODT PORT6 V1P	CBRS	0/0	RMN			CBC78T-DS-43-2X	RMN
			A3	JAHH-65C-R3B-V2	700/850/1900/AWS	0/6,5,5,4	RMN			B5/B15 RRH-BR04C	RMN
			A4	JAHH-65C-R3B-V2	700/850/1900/AWS	0/6,5,5,4	RMN			B2/B66A RRH-BR049	RMN
BETA	127'	180°	B1	BXA-88063/4	850 CDMA	0/0	RMN	CBRS RRH-RT4401-48A	RMN		
			B2	DX10FR0260-00 3600MHZ ODT PORT6 V1P	CBRS	0/0	RMN			CBC78T-DS-43-2X	RMN
			B3	JAHH-65C-R3B-V2	700/850/1900/AWS	0/6,5,5,4	RMN			B5/B15 RRH-BR04C	RMN
			B4	JAHH-65C-R3B-V2	700/850/1900/AWS	0/6,5,5,4	RMN			B2/B66A RRH-BR049	RMN
GAMMA	127'	290°	G1	BXA-88063/4	850 CDMA	0/0	RMN	CBRS RRH-RT4401-48A	RMN		
			G2	DX10FR0260-00 3600MHZ ODT PORT6 V1P	CBRS	0/0	RMN			CBC78T-DS-43-2X	RMN
			G3	JAHH-65C-R3B-V2	700/850/1900/AWS	0/6,5,5,4	RMN			B5/B15 RRH-BR04C	RMN
			G4	JAHH-65C-R3B-V2	700/850/1900/AWS	0/6,5,5,4	RMN			B2/B66A RRH-BR049	RMN

NOTES

- CONFIRM WITH VERIZON REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.
- 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	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS		
ALPHA	127'	30°	A1	BXA-88063/4	850 CDMA	0/0	RMN	CBRS RRH-RT4401-48A	RMN		
			A2	DX10FR0260-00	CBRS	0/0	RMN			CBC78T-DS-43-2X	RMN
			A3	MT6407-77A	L-SUB6	0/6	ADD			-	-
			A4	JAH-65C-R3B-V2	700/850/1900/AWS	0/6,5,5,4	RMN			B5/B13 RRH-BR04C B2/B66A RRH-BR049	RMN RMN
			A5	JAH-65C-R3B-V2	700/850/1900/AWS	0/6,5,5,4	RMN			(2) BSF0020F3V1-1	ADD
BETA	127'	180°	B1	BXA-88063/4	850 CDMA	0/0	RMN	CBRS RRH-RT4401-48A	RMN		
			B2	DX10FR0260-00	CBRS	0/0	RMN			CBC78T-DS-43-2X	RMN
			B3	MT6407-77A	L-SUB6	0/6	ADD			-	-
			B4	JAH-65C-R3B-V2	700/850/1900/AWS	0/6,5,5,4	RMN			B5/B13 RRH-BR04C B2/B66A RRH-BR049	RMN RMN
			B5	JAH-65C-R3B-V2	700/850/1900/AWS	0/6,5,5,4	RMN			(2) BSF0020F3V1-1	ADD
GAMMA	127'	290°	G1	BXA-88063/4	850 CDMA	0/0	RMN	CBRS RRH-RT4401-48A	RMN		
			G2	DX10FR0260-00	CBRS	0/0	RMN			CBC78T-DS-43-2X	RMN
			G3	MT6407-77A	L-SUB6	0/6	ADD			-	-
			G4	JAH-65C-R3B-V2	700/850/1900/AWS	0/9,9,2,4	RMN			B5/B13 RRH-BR04C B2/B66A RRH-BR049	RMN RMN
			G5	JAH-65C-R3B-V2	700/850/1900/AWS	0/9,9,2,4	RMN			(2) BSF0020F3V1-1	ADD

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(1) RRFDC-3315-PF-48	RMN	(6) 1-5/8"	(1) 1-5/8"	RMN

3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(1) RCMDC-6627-PF-48	RMN	(6) 1-5/8"	(1) 1-5/8"	RMN



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BOSTON, MA 02110
PHONE: 617.695.3400
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	SL	06/25/21
0	FINAL	JL	09/01/21
1	FINAL	JL	04/11/23
2	FINAL	JL	08/15/23

ATC SITE NUMBER:
302476

ATC SITE NAME:
WTBR - WATERBURY

VERIZON SITE NAME:
WATERBURY CT

SITE ADDRESS:
352 GARDEN CIRCLE
WATERBURY, CT 06704-2833

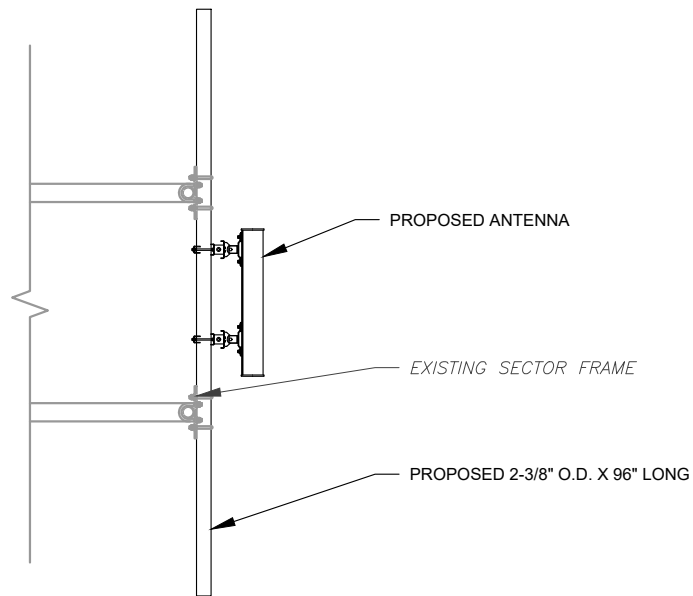


DATE DRAWN:	06/25/21
ATC JOB NO:	13687186
CUSTOMER ID:	WATERBURY CT
CUSTOMER #:	469238

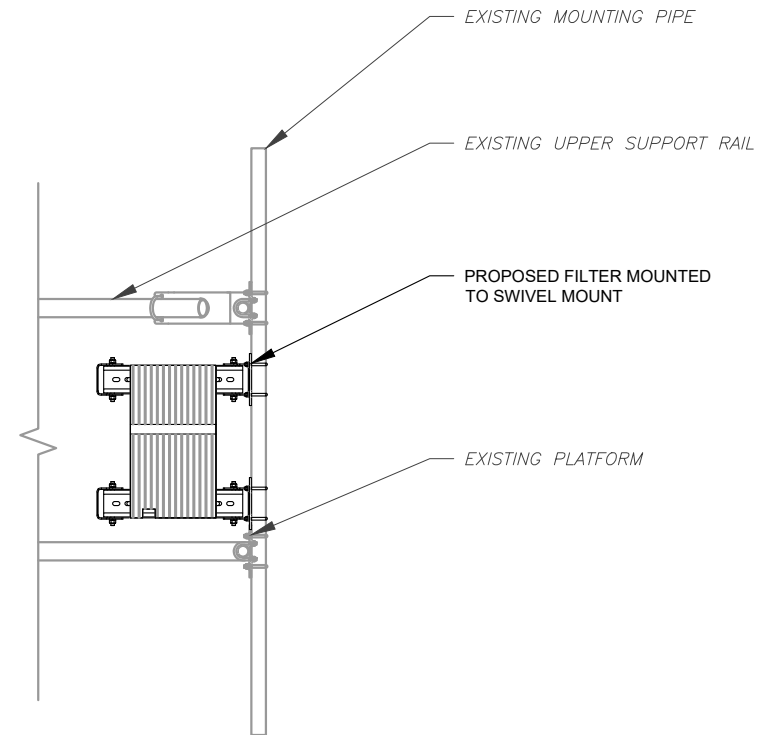
ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER:	C-401	REVISION:	2
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1 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



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



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REV.	DESCRIPTION	BY	DATE
A	PRELIM	SL	06/25/21
0	FINAL	JL	09/01/21
1	FINAL	JL	04/11/23
2	FINAL	JL	08/15/23

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VERIZON SITE NAME:
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SITE ADDRESS:
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WATERBURY, CT 06704-2833

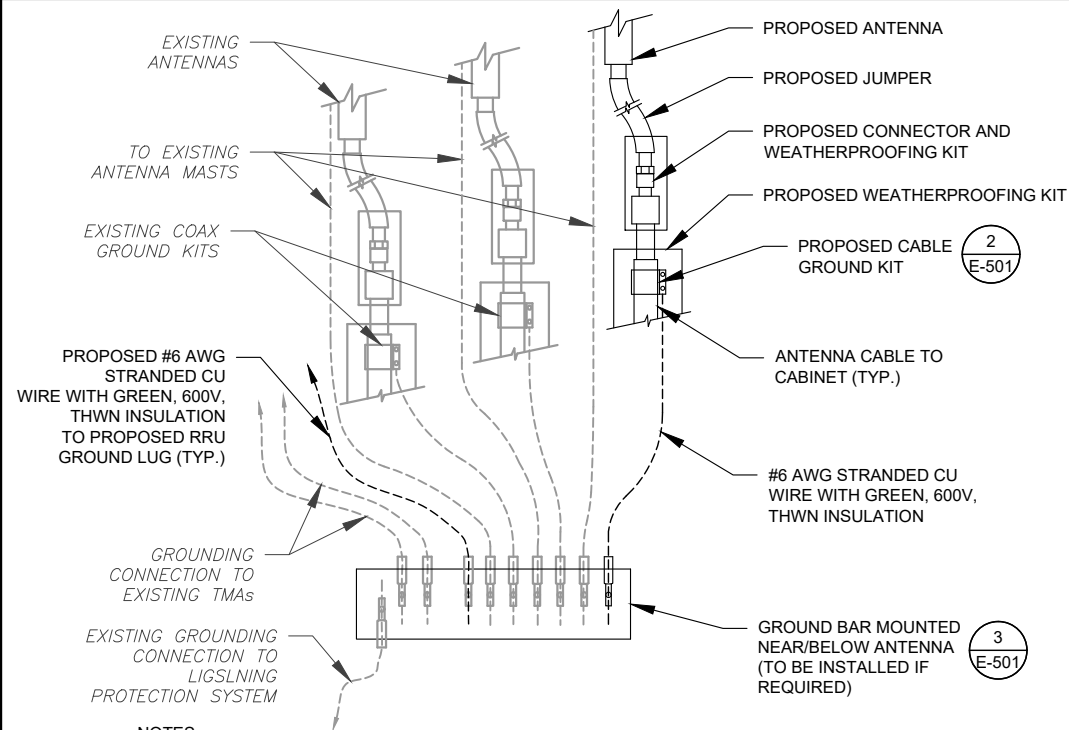
SEAL:



DATE DRAWN:	06/25/21
ATC JOB NO:	13687186
CUSTOMER ID:	WATERBURY CT
CUSTOMER #:	469238

CONSTRUCTION
DETAILS

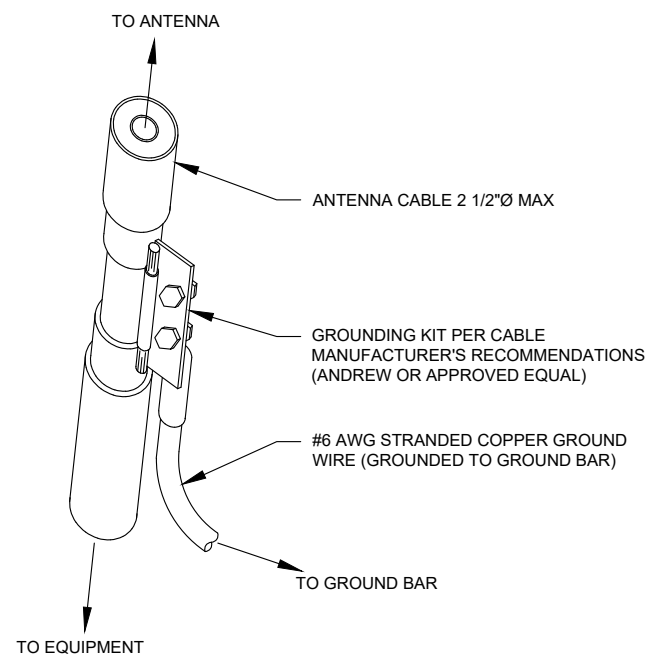
SHEET NUMBER:	REVISION:
C-501	2



NOTES:

1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGSL ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
2. SITE GROUNDING SHALL COMPLY WITH VERIZON GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH VERIZON GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.

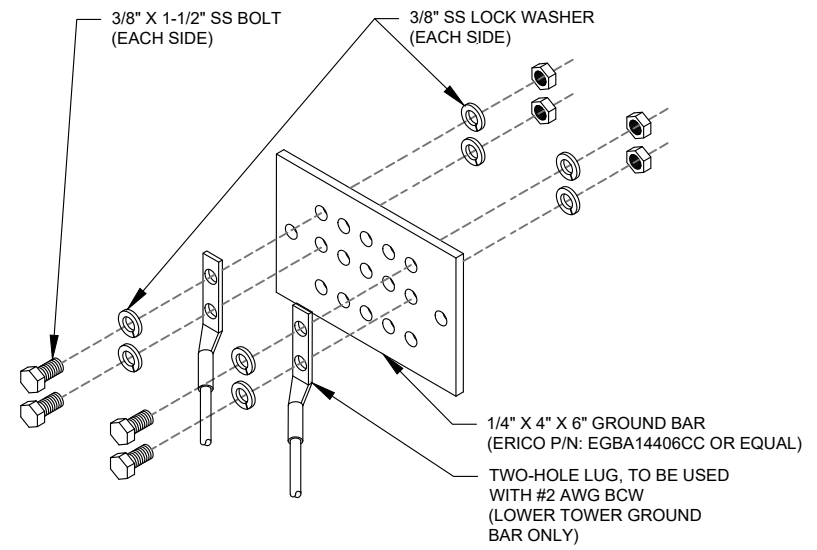
1 TYPICAL ANTENNA GROUNDING DIAGRAM
SCALE: N.T.S.



GROUND KIT NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. CONTRACTOR SHALL PROVIDE WEATHERPROOFING KIT (ANDREW PART NUMBER 221213) AND INSTALL/TAPE PER MANUFACTURER'S SPECIFICATIONS.

2 CABLE GROUND KIT CONNECTION DETAIL
SCALE: N.T.S.



GROUND BAR NOTES:

1. GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
2. GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

3 TOWER GROUND BAR DETAIL
SCALE: N.T.S.



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REV.	DESCRIPTION	BY	DATE
A	PRELIM	SL	06/25/21
0	FINAL	JL	09/01/21
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WATERBURY, CT 06704-2833

SEAL:



DATE DRAWN:	06/25/21
ATC JOB NO:	13687186
CUSTOMER ID:	WATERBURY CT
CUSTOMER #:	469238

GROUNDING DETAILS

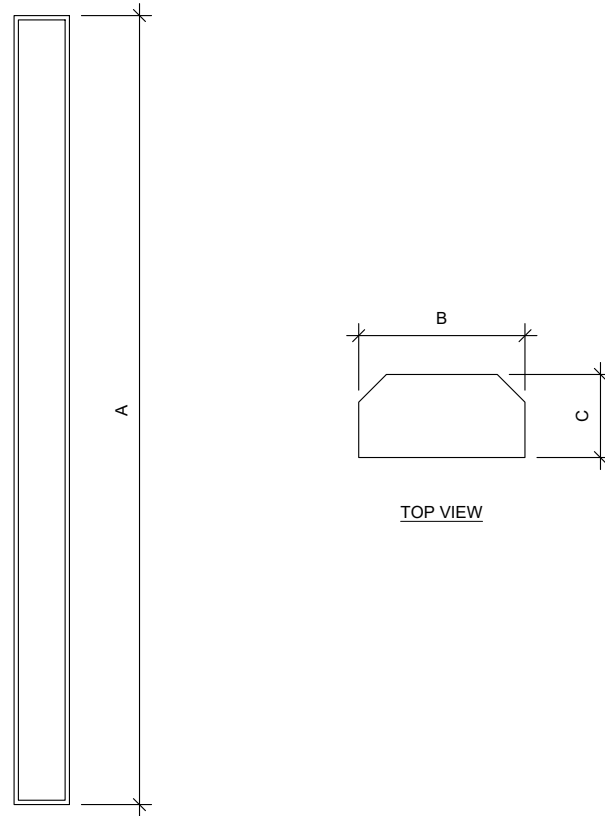
SHEET NUMBER:	REVISION:
E-501	2

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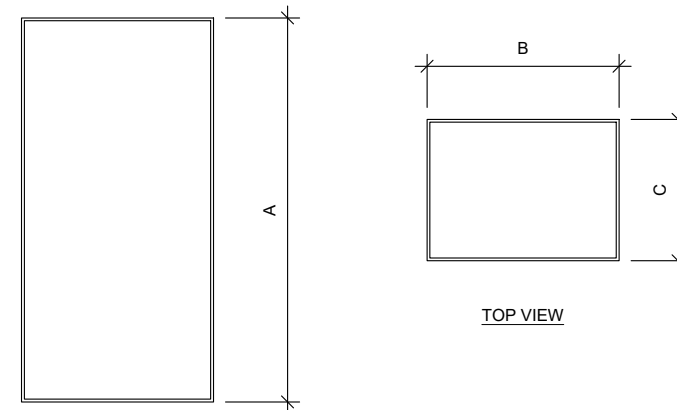


FRONT VIEW

TOP VIEW

1 ANTENNA SPECIFICATIONS
 FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGSL (LBS)
MT6407-77A	35.1"	16.1"	5.5"	81.6



FRONT VIEW

TOP VIEW

2 RRU SPECIFICATIONS
 FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGSL (LBS)
MT6407-77A	35.1"	16.1"	5.5"	81.6

ATC SITE NUMBER:
302476

ATC SITE NAME:
WTBR - WATERBURY

VERIZON SITE NAME:
WATERBURY CT

SITE ADDRESS:
 352 GARDEN CIRCLE
 WATERBURY, CT 06704-2833



DATE DRAWN:	06/25/21
ATC JOB NO:	13687186
CUSTOMER ID:	WATERBURY CT
CUSTOMER #:	469238

SUPPLEMENTAL

SHEET NUMBER:
R-601



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

Mount Structural Analysis Report
(1) 13.33-Ft Integrated Sector Frame

August 10, 2021
Site ID: 469238-VZW / WATERBURY CT
Page | 4

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10061926
Maser Consulting Connecticut Project #: 21777844A

August 10, 2021

Site Information

Site ID: 469238-VZW / WATERBURY CT
Site Name: WATERBURY CT
Carrier Name: Verizon Wireless
Address: 1 Farmdale Drive
Waterbury, Connecticut 06704
New Haven County
Latitude: 41.570375°
Longitude: -73.017884°

Structure Information

Tower Type: 150-Ft Monopole
Mount Type: 13.33-Ft Integrated Sector Frame

FUZE ID # 16241845

Analysis Results

Integrated Sector Frame: **51.2% Pass**

***Contractor PMI Requirements:

Included at the end of this MA report

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

Contractor - Please Review Specific Site PMI Requirements Upon Award Requirements may also be Noted on A & E drawings

Report Prepared By: Garrett Smith



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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Bracing	8.0%	Pass
Mount Pipe	38.5%	Pass
Mast Pipe	3.3%	Pass
Standoff Bracing	22.7%	Pass
Middle Standoff Horizontal	48.2%	Pass
Corner Plate	26.2%	Pass
Standoff Horizontal	34.6%	Pass
Face Horizontal	51.2%	Pass
Connection Check	26.2%	Pass

Structure Rating – (Controlling Utilization of all Components)	51.2%
--	-------

Recommendation:

The existing mounts are **SUFFICIENT** for the final loading configuration and do not require modifications.

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

Attachments:

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

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 CONSTRUCTION.



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BOSTON, MA 02110
PHONE: 617.695.3400
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ATC SITE NUMBER:
302476

ATC SITE NAME:
WTBR - WATERBURY

VERIZON SITE NAME:
WATERBURY CT

SITE ADDRESS:
352 GARDEN CIRCLE
WATERBURY, CT 06704-2833



DATE DRAWN: 06/25/21
ATC JOB NO: 13687186
CUSTOMER ID: WATERBURY CT
CUSTOMER #: 469238

SUPPLEMENTAL

SHEET NUMBER:
R-602

EXHIBIT 2



Location: FARMDALE DR		Map Id: 0167-0559-0024	Zone: RL	Date Printed: 9/19/2023							
Neighborhood: 14100-Long Hill			Last Update: 9/19/2023								
Owner Of Record		Volume/Page	Date	Sales Type	Valid	Sale Price					
AMERICAN TOWER ASSET SUB II LLC		8305/0192	7/12/2021	Quit Claim	No	225,100					
C/O AMERICAN TOWERS LLC, P.O. BOX 723597, ATLANTA, GA 31139				Exempt							
Prior Owner History											
SPRINGWICH CELLULAR TOWER HOLDINGS LLC		5156/0333	10/29/2004	Quit Claim	No	0					
SOUTHERN NEW ENGLAND TELEPHONE COMPANY		1710/0182	8/23/1984		No	20,000					
Permit Number	Date	Permit Description									
2020.1077	6/9/2020	swap all RRV and OVP's with RRU's 1OVP 1drplexer and remove 6 antennas on existing Verizon wireless									
2018.2602	10/4/2018	INSTALL TWO 8" ANTENNAS - ONE 6" ANTENNA - THREE RRU'S - THREE RADIOS & ASSOCIATED CABLES									
2016.1522	5/26/2016	ATT MOBILITY CELL SITE. REPLACE ANTENNAS AND 3 REMOTE RADIO UNITS									
2015.2331	8/26/2015	V-7. ADD 3 NEW ANTENNAS & 3 RRU'S. 1 FIBER CABLE. 2DC CABLES IN POLE									
2015.0950	4/28/2015	CHANGE 3 ANTENNAS									
2014.1587	6/20/2014	ADDING TOWER / ANTENNAES EQUIPMENT MODIFICATION									
Supplemental Data				Appraised Value							
Census/Tract				Total Land Value 321,600							
Dev Map ID				Total Building Value 0							
GIS ID				Total Outbldg Value 0							
Route				Total Market Value 321,600							
District											
Utilities											
Acres			State Item Codes								
Land Type	Acres	490	Total Value	Code	Quantity	Value					
Rear	4.61	0.00		12-Res Excess	4.61	178,920					
HouseLot	0.14	0.00		11-Res Land	0.14	46,200					
Total			321,600								
Assessment History (Prior Years as of Oct 1)					490 Appraised Totals						
	2023	2022	2021	2020	2019	Type	Acres	Value	Type	Acres	Value
Land	225,120	225,120	225,100	225,100	225,100						
Building	0	0	0	0	0						
Outbuilding	0	0	0	0	0						
Total	225,120	225,120	225,100	225,100	225,100	Totals		0.00	0		
Application Date:						Expiration Date:					
Comments											

Location:		FARMDALE DR	
Map Id:		0167-0559-0024	
General Description		Description	Area/Qty
Building Use Units Overall Condition Class Stories Design (Style) Construction Year Built Percent Complete			
Finished Area			
Foundation			
Basement Area Finished Basement Garage Bays Outside Entry Sump Pump			
HVAC		Attached Components	
		Type	Year Area
Heating Type Fuel Cooling Type			
Interior			
Floors Attic Access Walls Bath Cond Kitchen Cond			
Exterior			
Exterior Roof Cover Roof Type			
Special Features			
Type		Count/Area	
		Total Building Value:	
Detached Component Computations			
Type	Year	Condition	Area/Qty
Room Summary			
Total	Bedroom	Kitchens	Full Baths Half Baths



City of Waterbury
Public Works Department

MBL: **0167-0559-0024**
ADDRESS: **FARMDALE DR**

This map is for informational purposes only and has not been prepared for, or suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to verify the usability of the information. The City of Waterbury makes no warranties, express or implied, as to the use of the information obtained herein.



EXHIBIT 3





AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 150 ft Guyed Tower
ATC Asset Name : Wtbr - Waterbury
ATC Asset Number : 302476
Engineering Number : 13687186_C3_04
Proposed Carrier : VERIZON WIRELESS
Carrier Site Name : WATERBURY CT
Carrier Site Number : 5000120998
Site Location : 352 Garden Circle
Waterbury, CT 06704-2833
41.5707° N, 73.0176° W
County : New Haven
Date : August 21, 2023
Max Usage : 77%
Analysis Result : Pass

Created By:

Steven Nedrud
Structural Engineer II



COA: PEC.0001553

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 150 ft Guyed tower to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower:	ITT Meyer Type "B" Specifications (AT&T Spec AT-8935, dated April 13, 1984) Smith Cullum mapping Acquisition #CT-0012, dated June 7, 2001
Foundation:	Girard & Co. Engineers Job #38926, dated July 10, 1984
Modification:	SpectraSite Site #CT-0012 Rev 1, dated November 18, 2004
Site Specific Study:	ICE Site #302476, dated July 22, 2021

Analysis

The tower was analyzed using the most recent version Tower Numerics tnxTower tower analysis software. This program considers an elastic three-dimensional model and second-order effects per ANSI/TIA-222.

Basic Wind Speed:	117 mph (3-second gust)
Basic Wind Speed w/ Ice:	84 mph (3-second gust) w/ 1.80" radial ice concurrent
Code(s):	ANSI/TIA-222-H / 2021 IBC / 2022 Connecticut State Building Code
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 3
Topographic Category:	1
Crest Height (H):	0 ft
Spectral Response:	$S_s = 0.19$, $S_i = 0.05$
Site Class:	D - Stiff Soil - Default

**Wind pressures have been determined per the site-specific climatic study in accordance with ASCE 7-16 Section 26.5.3, IBC Section 1609.3, and TIA-222-H Section 2.6.6.2.3.*

**Ice thickness and wind pressures have been determined per the site-specific climatic study in accordance with ASCE 7-16 Section 10.1.1, IBC Section 1614, and TIA-222-H Section 2.6.4.1.*

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	Result
Shaft	76.7 %	Pass
Flange plate @ 110 ft	65.0 %	Pass
Base Plate @ 0 ft	14.0 %	Pass
Guy Wires	61.4 %	Pass
Base Moment	1.0 %	Pass
Guy Anchor Rods	57.0 %	Pass

Maximum Reactions

Foundation	Moment (k-ft)	Axial (k)	Uplift (k)	Shear (k)
Base	114.5	69.0	-	3.1
Guy Anchor #	-	-	21.0	20.0

**Reactions shown are maximum overall and not limited by Load Case*

VERIZON WIRELESS Final Loading

Elev (ft)	Qty	Equipment	Lines
129.0	1	Platform with Handrails	(6) 1 5/8" Coax (1) 1 5/8" Hybriflex
	1	Raycap RCMD-6627-PF-48	
	3	Amphenol Antel BXA-80063-4CF-EDIN-X	
	3	Commscope CBC78T-DS-43-2X	
	3	Commscope JAHH-65C-R3B-V2	
	3	Commscope JAHH-65C-R3B-V2	
	3	JMA Wireless DX10FRO260-00/06	
	3	Samsung B2/B66A RRH-BR049	
	3	Samsung B5/B13 RRH-BR04C	
	3	Samsung MT6407-77A	
	3	Samsung RT4401-48A	

Other Existing/Reserved Loading

Elev (ft)	Qty	Equipment	Lines	Carrier
156.0	3	Ericsson AIR 6449 B77D/ C-Band	-	AT&T MOBILITY
154.0	1	Kathrein Scala 80010965	(3) 0.41" (10.3mm) Fiber (4) 0.78" (19.7mm) 8 AWG 6 (5) 0.92" (23.4mm) Cable (6) 1 1/4" Coax (5) 2" conduit (1) 3/8" (0.38"- 9.5mm) RET Control Cable	AT&T MOBILITY
	1	Kathrein Scala 80010966		
	1	Matsing MS-MBA-3.2-H8-L4		
	3	Ericsson RRUS 32 B2		
	3	Ericsson RRUS 32 B30		
	3	Ericsson RRUS 32 B66		
	3	Ericsson RRUS 4449 B5, B12		
	3	Ericsson RRUS 4478 B14		
	3	Ericsson RRUS E2 B29		
	3	Quintel QD6616-7		
	3	Raycap DC9-48-60-24-8C-EV		
6	Andrew APTDC-BDFDM-DBW			
152.0	3	Ericsson AIR 6419 B77G	-	AT&T MOBILITY
149.0	1	Platform with Handrails	-	AT&T MOBILITY

(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

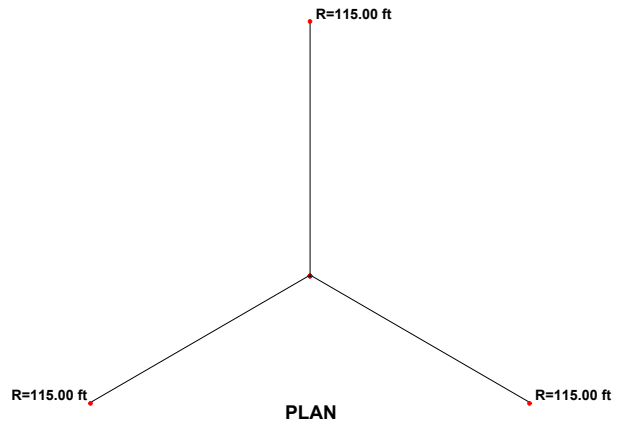
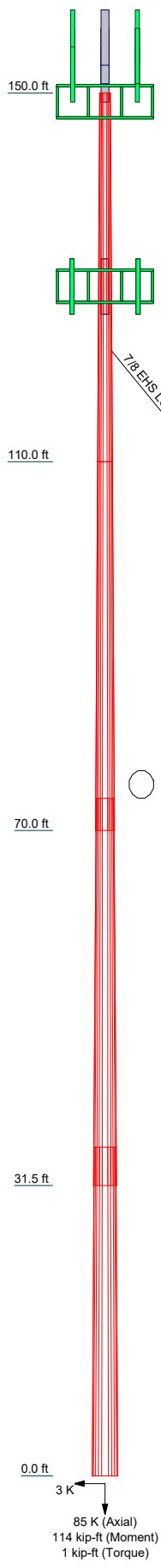
It is the responsibility of the client to ensure that the information provided to A.T. Engineering Services LLC and used in the performance of our engineering services is correct and complete.

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.

Section	1	2	3	4
Length (ft)	40.00	40.00	42.00	35.67
Number of Sides	12	12	12	12
Thickness (in)	0.1875	0.2500	0.3125	0.3750
Socket Length (ft)	15.0000	3.50	4.17	31.8255
Top Dia (in)	21.2500	21.2500	26.5635	37.3800
Bot Dia (in)	21.2500	27.6100	33.1000	
Grade		A572-65		
Weight (K)	1.5	2.6	4.2	5.0

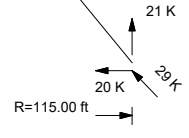
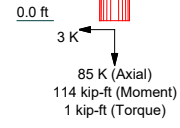


MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 117 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 84 mph basic wind with 1.80 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 76.7%



ALL REACTIONS ARE FACTORED

<p>American Tower Engineering 3500 Regency Parkway, Suite 100 Cary, NC 27518 Phone: (919) 468-0112 FAX: (919) 4665414</p>	<p>Job: 302476, Wtbr - Waterbury, CT</p>		
	<p>Project: 13687186_C3_04</p>		
	<p>Client: VERIZON WIRELESS</p>	<p>Drawn by: Steven.Nedrud</p>	<p>App'd:</p>
	<p>Code: TIA-222-H</p>	<p>Date: 08/21/23</p>	<p>Scale: NTS</p>
<p>Path:</p>		<p>Dwg No. E-1</p>	

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	Client VERIZON WIRELESS	Designed by Steven.Nedrud

Tower Input Data

The tower is a monopole.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

- Tower is located in New Haven County, Connecticut.
- Tower base elevation above sea level: 824.00 ft.
- Basic wind speed of 117 mph.
- Risk Category II.
- Exposure Category B.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 1.8000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 84 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Safety factor used in guy design is 1.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification √ Use Code Stress Ratios √ Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile √ Include Bolts In Member Capacity Leg Bolts Are At Top Of Section Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided) SR Members Have Cut Ends SR Members Are Concentric	Distribute Leg Loads As Uniform Assume Legs Pinned √ Assume Rigid Index Plate √ Use Clear Spans For Wind Area √ Use Clear Spans For KL/r √ Retension Guys To Initial Tension √ Bypass Mast Stability Checks √ Use Azimuth Dish Coefficients √ Project Wind Area of Appurt. √ Autocalc Torque Arm Areas Add IBC .6D+W Combination Sort Capacity Reports By Component Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs	Use ASCE 10 X-Brace Ly Rules √ Calculate Redundant Bracing Forces Ignore Redundant Members in FEA SR Leg Bolts Resist Compression All Leg Panels Have Same Allowable Offset Girt At Foundation √ Consider Feed Line Torque Include Angle Block Shear Check Use TIA-222-H Bracing Resist. Exemption Use TIA-222-H Tension Splice Exemption <div style="background-color: #e0e0e0; text-align: center; padding: 2px;">Poles</div> √ Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets Pole Without Linear Attachments Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are Known
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Tapered Pole Section Geometry

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Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	150.00-110.00	40.00	0.00	12	15.0000	21.2500	0.1875	4.0000	A572-65 (65 ksi)
L2	110.00-70.00	40.00	3.50	12	21.2500	27.6100	0.2500	4.0000	A572-65 (65 ksi)
L3	70.00-31.50	42.00	4.17	12	26.5535	33.1000	0.3125	4.0000	A572-65 (65 ksi)
L4	31.50-0.00	35.67		12	31.8255	37.3800	0.3750	4.0000	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	It/Q in ²	w in	w/t
L1	15.2337	8.9430	250.4541	5.3029	7.7700	32.2335	507.4880	4.4015	1.7755	9.469
	21.7042	12.7165	720.0669	7.5404	11.0075	65.4160	1459.0508	6.2587	3.4505	18.403
L2	21.6998	16.9050	951.5678	7.5180	11.0075	86.4472	1928.1342	8.3201	3.4170	13.668
	28.2841	22.0248	2104.4088	9.7949	14.3020	147.1411	4264.1028	10.8399	5.1215	20.486
L3	27.7507	26.4050	2320.7747	9.3943	13.7547	168.7258	4702.5188	12.9957	4.8048	15.375
	33.9634	32.9924	4527.0653	11.7379	17.1458	264.0335	9173.0615	16.2379	6.5593	20.99
L4	33.3113	37.9765	4794.6345	11.2593	16.4856	290.8376	9715.2293	18.6909	6.1842	16.491
	38.3900	44.6835	7810.0590	13.2478	19.3628	403.3530	15825.2970	21.9919	7.6728	20.461

Tower Elevation ft	Gusset Area (per face) ft ²	Gusset Thickness in	Gusset Grade	Adjust. Factor A _f	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 150.00-110.00				1	1	1			
L2 110.00-70.00				1	1	1			
L3 70.00-31.50				1	1	1			
L4 31.50-0.00				1	1	1			

Guy Data

Guy Elevation ft	Guy Grade	Guy Size	Initial Tension K	%	Guy Modulus ksi	Guy Weight plf	L _u ft	Anchor Radius ft	Anchor Azimuth Adj. °	Anchor Elevation ft	End Fitting Efficiency %
122	EHS	A 7/8	7.97	10%	19000	1.581	166.95	115.00	0.0000	0.00	100%
		B 7/8	7.97	10%	19000	1.581	166.95	115.00	0.0000	0.00	100%
		C 7/8	7.97	10%	19000	1.581	166.95	115.00	0.0000	0.00	100%

Guy Data(cont'd)

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Guy Elevation ft	Mount Type	Torque-Arm Spread ft	Torque-Arm Leg Angle °	Torque-Arm Style	Torque-Arm Grade	Torque-Arm Type	Torque-Arm Size
122	Corner						

Guy Data (cont'd)

Guy Elevation ft	Diagonal Grade	Diagonal Type	Upper Diagonal Size	Lower Diagonal Size	Is Strap	Pull-Off Grade	Pull-Off Type	Pull-Off Size
122.00	A572-50 (50 ksi)	Solid Round			No	A572-50 (50 ksi)	Solid Round	1 1/4

Guy Data (cont'd)

Guy Elevation ft	Cable Weight A K	Cable Weight B K	Cable Weight C K	Cable Weight D K	Tower Intercept A ft	Tower Intercept B ft	Tower Intercept C ft	Tower Intercept D ft
122	0.26	0.26	0.26		2.73	2.73	2.73	
					2.9 sec/pulse	2.9 sec/pulse	2.9 sec/pulse	

Guy Data (cont'd)

Guy Elevation ft	Calc K Single Angles	Calc K Solid Rounds	Torque Arm		Pull Off		Diagonal	
			K _x	K _y	K _x	K _y	K _x	K _y
122	No	No			1	1	1	1

Guy Data (cont'd)

Guy Elevation ft	Torque-Arm				Pull Off				Diagonal			
	Bolt Size in	Number	Net Width Deduct in	U	Bolt Size in	Number	Net Width Deduct in	U	Bolt Size in	Number	Net Width Deduct in	U
122	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75

Guy Pressures

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Guy Elevation ft	Guy Location	z ft	qz psf	qz Ice psf	Ice Thickness in
122	A	61.00	28	14	1.9141
	B	61.00	28	14	1.9141
	C	61.00	28	14	1.9141

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _A A _A ft ² /ft	Weight plf
0.78" (19.7mm) 8 AWG 6	C	No	No	Inside Pole	149.00 - 0.00	4	No Ice	0.00	0.59
							1/2" Ice	0.00	0.59
							1" Ice	0.00	0.59
							2" Ice	0.00	0.59
2" conduit	C	No	No	Inside Pole	149.00 - 0.00	5	No Ice	0.00	3.65
							1/2" Ice	0.00	3.65
							1" Ice	0.00	3.65
							2" Ice	0.00	3.65
0.92" (23.4mm) Cable	C	No	No	Inside Pole	149.00 - 0.00	5	No Ice	0.00	0.89
							1/2" Ice	0.00	0.89
							1" Ice	0.00	0.89
							2" Ice	0.00	0.89
1 1/4" Coax	C	No	No	Inside Pole	149.00 - 0.00	6	No Ice	0.00	0.63
							1/2" Ice	0.00	0.63
							1" Ice	0.00	0.63
							2" Ice	0.00	0.63
0.41" (10.3mm) Fiber	C	No	No	Inside Pole	149.00 - 0.00	3	No Ice	0.00	0.09
							1/2" Ice	0.00	0.09
							1" Ice	0.00	0.09
							2" Ice	0.00	0.09
3/8" (0.38"- 9.5mm) RET Control Cable	C	No	No	Inside Pole	149.00 - 0.00	1	No Ice	0.00	0.23
							1/2" Ice	0.00	0.23
							1" Ice	0.00	0.23
							2" Ice	0.00	0.23

1 5/8" Hybriflex	C	No	No	Inside Pole	129.00 - 0.00	1	No Ice	0.00	1.30
							1/2" Ice	0.00	1.30
							1" Ice	0.00	1.30
							2" Ice	0.00	1.30
1 5/8" Coax	C	No	No	Inside Pole	129.00 - 0.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	150.00-110.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	1.26

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Tower Section	Tower Elevation ft	Face	A_R ft ²	A_F ft ²	C_{AA} In Face ft ²	C_{AA} Out Face ft ²	Weight K
L2	110.00-70.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	1.42
L3	70.00-31.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	1.37
L4	31.50-0.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	1.12

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	C_{AA} In Face ft ²	C_{AA} Out Face ft ²	Weight K
L1	150.00-110.00	A	2.063	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	1.26
L2	110.00-70.00	A	1.989	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	1.42
L3	70.00-31.50	A	1.879	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	1.37
L4	31.50-0.00	A	1.668	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	1.12

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	150.00-110.00	0.0000	0.0000	0.0000	0.0000
L2	110.00-70.00	0.0000	0.0000	0.0000	0.0000
L3	70.00-31.50	0.0000	0.0000	0.0000	0.0000
L4	31.50-0.00	0.0000	0.0000	0.0000	0.0000

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

Discrete Tower Loads

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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Vert					
(2) APTDC-BDFDM-DBW	A	From Leg	4.00	0.0000	149.00	No Ice	0.10	0.21	0.00
			0.00	1/2" Ice		0.14	0.28	0.00	
			5.00	1" Ice		0.18	0.35	0.00	
				2" Ice		0.26	0.49	0.00	
(2) APTDC-BDFDM-DBW	B	From Leg	4.00	0.0000	149.00	No Ice	0.10	0.21	0.00
			0.00	1/2" Ice		0.14	0.28	0.00	
			5.00	1" Ice		0.18	0.35	0.00	
				2" Ice		0.26	0.49	0.00	
(2) APTDC-BDFDM-DBW	C	From Leg	4.00	0.0000	149.00	No Ice	0.10	0.21	0.00
			0.00	1/2" Ice		0.14	0.28	0.00	
			5.00	1" Ice		0.18	0.35	0.00	
				2" Ice		0.26	0.49	0.00	
RRUS 4478 B14	A	From Leg	4.00	0.0000	149.00	No Ice	1.84	1.06	0.06
			0.00	1/2" Ice		1.97	1.13	0.07	
			5.00	1" Ice		2.10	1.20	0.08	
				2" Ice		2.36	1.34	0.09	
RRUS 4478 B14	B	From Leg	4.00	0.0000	149.00	No Ice	1.84	1.06	0.06
			0.00	1/2" Ice		1.97	1.13	0.07	
			5.00	1" Ice		2.10	1.20	0.08	
				2" Ice		2.36	1.34	0.09	
RRUS 4478 B14	C	From Leg	4.00	0.0000	149.00	No Ice	1.84	1.06	0.06
			0.00	1/2" Ice		1.97	1.13	0.07	
			5.00	1" Ice		2.10	1.20	0.08	
				2" Ice		2.36	1.34	0.09	
RRUS 4449 B5, B12	A	From Leg	4.00	0.0000	149.00	No Ice	1.97	1.40	0.07
			0.00	1/2" Ice		2.10	1.50	0.08	
			5.00	1" Ice		2.23	1.60	0.09	
				2" Ice		2.49	1.80	0.11	
RRUS 4449 B5, B12	B	From Leg	4.00	0.0000	149.00	No Ice	1.97	1.40	0.07
			0.00	1/2" Ice		2.10	1.50	0.08	
			5.00	1" Ice		2.23	1.60	0.09	
				2" Ice		2.49	1.80	0.11	
RRUS 4449 B5, B12	C	From Leg	4.00	0.0000	149.00	No Ice	1.97	1.40	0.07
			0.00	1/2" Ice		2.10	1.50	0.08	
			5.00	1" Ice		2.23	1.60	0.09	
				2" Ice		2.49	1.80	0.11	
RRUS 32 B30	A	From Leg	4.00	0.0000	149.00	No Ice	2.74	1.67	0.06
			0.00	1/2" Ice		2.91	1.77	0.07	
			5.00	1" Ice		3.08	1.87	0.08	
				2" Ice		3.42	2.07	0.10	
RRUS 32 B30	B	From Leg	4.00	0.0000	149.00	No Ice	2.74	1.67	0.06
			0.00	1/2" Ice		2.91	1.77	0.07	
			5.00	1" Ice		3.08	1.87	0.08	
				2" Ice		3.42	2.07	0.10	
RRUS 32 B30	C	From Leg	4.00	0.0000	149.00	No Ice	2.74	1.67	0.06
			0.00	1/2" Ice		2.91	1.77	0.07	
			5.00	1" Ice		3.08	1.87	0.08	
				2" Ice		3.42	2.07	0.10	
RRUS 32 B2	A	From Leg	4.00	0.0000	149.00	No Ice	2.74	1.67	0.05
			0.00	1/2" Ice		2.91	1.77	0.06	
			5.00	1" Ice		3.08	1.87	0.07	
				2" Ice		3.42	2.07	0.10	
RRUS 32 B2	B	From Leg	4.00	0.0000	149.00	No Ice	2.74	1.67	0.05
			0.00	1/2" Ice		2.91	1.77	0.06	
			5.00	1" Ice		3.08	1.87	0.07	
				2" Ice		3.42	2.07	0.10	
RRUS 32 B2	C	From Leg	4.00	0.0000	149.00	No Ice	2.74	1.67	0.05
			0.00	1/2" Ice		2.91	1.77	0.06	
			5.00	1" Ice		3.08	1.87	0.07	
				2" Ice		3.42	2.07	0.10	

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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Vert					
			ft	ft	°	ft	ft ²	ft ²	K
			0.00			1/2" Ice	2.91	1.77	0.06
			5.00			1" Ice	3.08	1.87	0.07
						2" Ice	3.42	2.07	0.10
RRUS 32 B66	A	From Leg	4.00	0.0000	149.00	No Ice	2.74	1.67	0.05
			0.00			1/2" Ice	2.91	1.77	0.06
			5.00			1" Ice	3.08	1.87	0.07
						2" Ice	3.42	2.07	0.10
RRUS 32 B66	B	From Leg	4.00	0.0000	149.00	No Ice	2.74	1.67	0.05
			0.00			1/2" Ice	2.91	1.77	0.06
			5.00			1" Ice	3.08	1.87	0.07
						2" Ice	3.42	2.07	0.10
RRUS 32 B66	C	From Leg	4.00	0.0000	149.00	No Ice	2.74	1.67	0.05
			0.00			1/2" Ice	2.91	1.77	0.06
			5.00			1" Ice	3.08	1.87	0.07
						2" Ice	3.42	2.07	0.10
RRUS E2 B29	A	From Leg	4.00	0.0000	149.00	No Ice	3.15	1.29	0.06
			0.00			1/2" Ice	3.31	1.35	0.07
			5.00			1" Ice	3.47	1.41	0.08
						2" Ice	3.79	1.53	0.11
RRUS E2 B29	B	From Leg	4.00	0.0000	149.00	No Ice	3.15	1.29	0.06
			0.00			1/2" Ice	3.31	1.35	0.07
			5.00			1" Ice	3.47	1.41	0.08
						2" Ice	3.79	1.53	0.11
RRUS E2 B29	C	From Leg	4.00	0.0000	149.00	No Ice	3.15	1.29	0.06
			0.00			1/2" Ice	3.31	1.35	0.07
			5.00			1" Ice	3.47	1.41	0.08
						2" Ice	3.79	1.53	0.11
DC9-48-60-24-8C-EV	A	From Leg	4.00	0.0000	149.00	No Ice	4.79	2.73	0.02
			0.00			1/2" Ice	5.00	2.85	0.03
			5.00			1" Ice	5.21	2.97	0.05
						2" Ice	5.63	3.21	0.09
DC9-48-60-24-8C-EV	B	From Leg	4.00	0.0000	149.00	No Ice	4.79	2.73	0.02
			0.00			1/2" Ice	5.00	2.85	0.03
			5.00			1" Ice	5.21	2.97	0.05
						2" Ice	5.63	3.21	0.09
DC9-48-60-24-8C-EV	C	From Leg	4.00	0.0000	149.00	No Ice	4.79	2.73	0.02
			0.00			1/2" Ice	5.00	2.85	0.03
			5.00			1" Ice	5.21	2.97	0.05
						2" Ice	5.63	3.21	0.09
AIR 6449 B77D/ C-Band	A	From Leg	4.00	0.0000	149.00	No Ice	4.03	1.58	0.08
			0.00			1/2" Ice	4.22	1.66	0.10
			7.00			1" Ice	4.41	1.74	0.12
						2" Ice	4.79	1.90	0.15
AIR 6449 B77D/ C-Band	B	From Leg	4.00	0.0000	149.00	No Ice	4.03	1.58	0.08
			0.00			1/2" Ice	4.22	1.66	0.10
			7.00			1" Ice	4.41	1.74	0.12
						2" Ice	4.79	1.90	0.15
AIR 6449 B77D/ C-Band	C	From Leg	4.00	0.0000	149.00	No Ice	4.03	1.58	0.08
			0.00			1/2" Ice	4.22	1.66	0.10
			7.00			1" Ice	4.41	1.74	0.12
						2" Ice	4.79	1.90	0.15
AIR 6419 B77G	A	From Leg	4.00	0.0000	149.00	No Ice	3.80	1.12	0.07
			0.00			1/2" Ice	3.99	1.18	0.08
			3.00			1" Ice	4.18	1.24	0.09
						2" Ice	4.56	1.36	0.12
AIR 6419 B77G	B	From Leg	4.00	0.0000	149.00	No Ice	3.80	1.12	0.07
			0.00			1/2" Ice	3.99	1.18	0.08

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	Client		VERIZON WIRELESS				Designed by		Steven.Nedrud	

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight	
			Horz	Vert						ft
				3.00			1" Ice	4.18	1.24	0.09
							2" Ice	4.56	1.36	0.12
AIR 6419 B77G	C	From Leg	4.00	0.0000	149.00	No Ice	3.80	1.12	0.07	
			0.00			1/2" Ice	3.99	1.18	0.08	
			3.00			1" Ice	4.18	1.24	0.09	
						2" Ice	4.56	1.36	0.12	
QD6616-7	A	From Leg	4.00	0.0000	149.00	No Ice	13.58	3.89	0.13	
			0.00			1/2" Ice	13.99	4.01	0.17	
			5.00			1" Ice	14.40	4.13	0.21	
						2" Ice	15.22	4.37	0.30	
QD6616-7	B	From Leg	4.00	0.0000	149.00	No Ice	13.58	3.89	0.13	
			0.00			1/2" Ice	13.99	4.01	0.17	
			5.00			1" Ice	14.40	4.13	0.21	
						2" Ice	15.22	4.37	0.30	
QD6616-7	C	From Leg	4.00	0.0000	149.00	No Ice	13.58	3.89	0.13	
			0.00			1/2" Ice	13.99	4.01	0.17	
			5.00			1" Ice	14.40	4.13	0.21	
						2" Ice	15.22	4.37	0.30	
80010965	A	From Leg	4.00	0.0000	149.00	No Ice	13.81	3.39	0.10	
			0.00			1/2" Ice	14.25	3.49	0.14	
			5.00			1" Ice	14.69	3.59	0.17	
						2" Ice	15.57	3.79	0.25	
80010966	B	From Leg	4.00	0.0000	149.00	No Ice	17.36	4.39	0.11	
			0.00			1/2" Ice	17.89	4.52	0.16	
			5.00			1" Ice	18.42	4.65	0.21	
						2" Ice	19.48	4.91	0.30	
MS-MBA-3.2-H8-L4	C	From Leg	4.00	0.0000	149.00	No Ice	20.99	12.73	0.17	
			0.00			1/2" Ice	21.53	13.06	1.05	
			5.00			1" Ice	22.07	13.39	1.93	
						2" Ice	23.15	14.05	3.70	
Flat Platform with Handrails	C	None		0.0000	149.00	No Ice	42.40	42.40	2.50	
						1/2" Ice	45.41	45.41	2.75	
						1" Ice	48.42	48.42	3.01	
						2" Ice	54.44	54.44	3.52	

CBC78T-DS-43-2X	A	From Leg	4.00	0.0000	129.00	No Ice	0.55	0.51	0.02	
			0.00			1/2" Ice	0.62	0.58	0.02	
			0.00			1" Ice	0.69	0.65	0.03	
						2" Ice	0.83	0.79	0.03	
CBC78T-DS-43-2X	B	From Leg	4.00	0.0000	129.00	No Ice	0.55	0.51	0.02	
			0.00			1/2" Ice	0.62	0.58	0.02	
			0.00			1" Ice	0.69	0.65	0.03	
						2" Ice	0.83	0.79	0.03	
CBC78T-DS-43-2X	C	From Leg	4.00	0.0000	129.00	No Ice	0.55	0.51	0.02	
			0.00			1/2" Ice	0.62	0.58	0.02	
			0.00			1" Ice	0.69	0.65	0.03	
						2" Ice	0.83	0.79	0.03	
RT4401-48A	A	From Leg	4.00	0.0000	129.00	No Ice	1.00	0.50	0.02	
			0.00			1/2" Ice	1.09	0.55	0.02	
			0.00			1" Ice	1.18	0.60	0.03	
						2" Ice	1.36	0.70	0.03	
RT4401-48A	B	From Leg	4.00	0.0000	129.00	No Ice	1.00	0.50	0.02	
			0.00			1/2" Ice	1.09	0.55	0.02	
			0.00			1" Ice	1.18	0.60	0.03	
						2" Ice	1.36	0.70	0.03	
RT4401-48A	C	From Leg	4.00	0.0000	129.00	No Ice	1.00	0.50	0.02	
			0.00			1/2" Ice	1.09	0.55	0.02	

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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight	
			Horz	Lateral						
			ft	ft	°	ft	ft ²	ft ²	K	
			0.00				1" Ice	1.18	0.60	0.03
							2" Ice	1.36	0.70	0.03
B2/B66A RRH-BR049	A	From Leg	4.00	0.0000	129.00		No Ice	1.88	1.25	0.08
			0.00				1/2" Ice	2.00	1.34	0.09
			0.00				1" Ice	2.12	1.43	0.10
							2" Ice	2.36	1.61	0.12
B2/B66A RRH-BR049	B	From Leg	4.00	0.0000	129.00		No Ice	1.88	1.25	0.08
			0.00				1/2" Ice	2.00	1.34	0.09
			0.00				1" Ice	2.12	1.43	0.10
							2" Ice	2.36	1.61	0.12
B2/B66A RRH-BR049	C	From Leg	4.00	0.0000	129.00		No Ice	1.88	1.25	0.08
			0.00				1/2" Ice	2.00	1.34	0.09
			0.00				1" Ice	2.12	1.43	0.10
							2" Ice	2.36	1.61	0.12
B5/B13 RRH-BR04C	A	From Leg	4.00	0.0000	129.00		No Ice	1.88	1.01	0.07
			0.00				1/2" Ice	2.00	1.08	0.08
			0.00				1" Ice	2.12	1.15	0.09
							2" Ice	2.36	1.29	0.10
B5/B13 RRH-BR04C	B	From Leg	4.00	0.0000	129.00		No Ice	1.88	1.01	0.07
			0.00				1/2" Ice	2.00	1.08	0.08
			0.00				1" Ice	2.12	1.15	0.09
							2" Ice	2.36	1.29	0.10
B5/B13 RRH-BR04C	C	From Leg	4.00	0.0000	129.00		No Ice	1.88	1.01	0.07
			0.00				1/2" Ice	2.00	1.08	0.08
			0.00				1" Ice	2.12	1.15	0.09
							2" Ice	2.36	1.29	0.10
DX10FRO260-00/06	A	From Leg	4.00	0.0000	129.00		No Ice	3.00	0.50	0.01
			0.00				1/2" Ice	3.17	0.52	0.02
			0.00				1" Ice	3.34	0.54	0.03
							2" Ice	3.68	0.58	0.05
DX10FRO260-00/06	B	From Leg	4.00	0.0000	129.00		No Ice	3.00	0.50	0.01
			0.00				1/2" Ice	3.17	0.52	0.02
			0.00				1" Ice	3.34	0.54	0.03
							2" Ice	3.68	0.58	0.05
DX10FRO260-00/06	C	From Leg	4.00	0.0000	129.00		No Ice	3.00	0.50	0.01
			0.00				1/2" Ice	3.17	0.52	0.02
			0.00				1" Ice	3.34	0.54	0.03
							2" Ice	3.68	0.58	0.05
RCMDC-6627-PF-48	A	From Leg	4.00	0.0000	129.00		No Ice	4.06	3.10	0.03
			0.00				1/2" Ice	4.25	3.25	0.05
			0.00				1" Ice	4.44	3.40	0.07
							2" Ice	4.82	3.70	0.10
BXA-80063-4CF-EDIN-X	A	From Leg	4.00	0.0000	129.00		No Ice	4.71	1.45	0.01
			0.00				1/2" Ice	4.97	1.53	0.02
			0.00				1" Ice	5.23	1.61	0.04
							2" Ice	5.75	1.77	0.07
BXA-80063-4CF-EDIN-X	B	From Leg	4.00	0.0000	129.00		No Ice	4.71	1.45	0.01
			0.00				1/2" Ice	4.97	1.53	0.02
			0.00				1" Ice	5.23	1.61	0.04
							2" Ice	5.75	1.77	0.07
BXA-80063-4CF-EDIN-X	C	From Leg	4.00	0.0000	129.00		No Ice	4.71	1.45	0.01
			0.00				1/2" Ice	4.97	1.53	0.02
			0.00				1" Ice	5.23	1.61	0.04
							2" Ice	5.75	1.77	0.07
MT6407-77A	A	From Leg	4.00	0.0000	129.00		No Ice	4.71	1.05	0.08
			0.00				1/2" Ice	4.93	1.10	0.10
			0.00				1" Ice	5.15	1.15	0.11

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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Vert					
			ft	ft	°	ft	ft ²	ft ²	K
MT6407-77A	B	From Leg	4.00	0.0000	129.00	2" Ice	5.59	1.25	0.14
			0.00	No Ice		4.71	1.05	0.08	
			0.00	1/2" Ice		4.93	1.10	0.10	
				1" Ice		5.15	1.15	0.11	
MT6407-77A	C	From Leg	4.00	0.0000	129.00	2" Ice	5.59	1.25	0.14
			0.00	No Ice		4.71	1.05	0.08	
			0.00	1/2" Ice		4.93	1.10	0.10	
				1" Ice		5.15	1.15	0.11	
JAHH-65C-R3B-V2	A	From Leg	4.00	0.0000	129.00	2" Ice	5.59	1.25	0.14
			0.00	No Ice		12.81	4.93	0.08	
			0.00	1/2" Ice		13.35	5.13	0.12	
				1" Ice		13.89	5.33	0.16	
JAHH-65C-R3B-V2	B	From Leg	4.00	0.0000	129.00	2" Ice	14.97	5.73	0.23
			0.00	No Ice		12.81	4.93	0.08	
			0.00	1/2" Ice		13.35	5.13	0.12	
				1" Ice		13.89	5.33	0.16	
JAHH-65C-R3B-V2	C	From Leg	4.00	0.0000	129.00	2" Ice	14.97	5.73	0.23
			0.00	No Ice		12.81	4.93	0.08	
			0.00	1/2" Ice		13.35	5.13	0.12	
				1" Ice		13.89	5.33	0.16	
JAHH-65C-R3B-V2	A	From Leg	4.00	0.0000	129.00	2" Ice	14.97	5.73	0.23
			0.00	No Ice		12.81	4.93	0.08	
			0.00	1/2" Ice		13.35	5.13	0.12	
				1" Ice		13.89	5.33	0.16	
JAHH-65C-R3B-V2	B	From Leg	4.00	0.0000	129.00	2" Ice	14.97	5.73	0.23
			0.00	No Ice		12.81	4.93	0.08	
			0.00	1/2" Ice		13.35	5.13	0.12	
				1" Ice		13.89	5.33	0.16	
JAHH-65C-R3B-V2	C	From Leg	4.00	0.0000	129.00	2" Ice	14.97	5.73	0.23
			0.00	No Ice		12.81	4.93	0.08	
			0.00	1/2" Ice		13.35	5.13	0.12	
				1" Ice		13.89	5.33	0.16	
Flat Platform with Handrails	C	None		0.0000	129.00	2" Ice	14.97	5.73	0.23
				No Ice		42.40	42.40	2.50	
				1/2" Ice		45.41	45.41	2.75	
				1" Ice		48.42	48.42	3.01	
					2" Ice	54.44	54.44	3.52	

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice+1.0 Guy
3	1.2 Dead+1.0 Wind 30 deg - No Ice+1.0 Guy
4	1.2 Dead+1.0 Wind 60 deg - No Ice+1.0 Guy
5	1.2 Dead+1.0 Wind 90 deg - No Ice+1.0 Guy
6	1.2 Dead+1.0 Wind 120 deg - No Ice+1.0 Guy
7	1.2 Dead+1.0 Wind 150 deg - No Ice+1.0 Guy
8	1.2 Dead+1.0 Wind 180 deg - No Ice+1.0 Guy
9	1.2 Dead+1.0 Wind 210 deg - No Ice+1.0 Guy

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<i>Comb. No.</i>	<i>Description</i>
10	1.2 Dead+1.0 Wind 240 deg - No Ice+1.0 Guy
11	1.2 Dead+1.0 Wind 270 deg - No Ice+1.0 Guy
12	1.2 Dead+1.0 Wind 300 deg - No Ice+1.0 Guy
13	1.2 Dead+1.0 Wind 330 deg - No Ice+1.0 Guy
14	1.2 Dead+1.0 Ice+1.0 Temp+Guy
15	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp+1.0 Guy
16	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp+1.0 Guy
17	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp+1.0 Guy
18	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp+1.0 Guy
19	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp+1.0 Guy
20	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp+1.0 Guy
21	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp+1.0 Guy
22	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp+1.0 Guy
23	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp+1.0 Guy
24	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp+1.0 Guy
25	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp+1.0 Guy
26	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp+1.0 Guy
27	Dead+Wind 0 deg - Service+Guy
28	Dead+Wind 30 deg - Service+Guy
29	Dead+Wind 60 deg - Service+Guy
30	Dead+Wind 90 deg - Service+Guy
31	Dead+Wind 120 deg - Service+Guy
32	Dead+Wind 150 deg - Service+Guy
33	Dead+Wind 180 deg - Service+Guy
34	Dead+Wind 210 deg - Service+Guy
35	Dead+Wind 240 deg - Service+Guy
36	Dead+Wind 270 deg - Service+Guy
37	Dead+Wind 300 deg - Service+Guy
38	Dead+Wind 330 deg - Service+Guy

Maximum Tower Deflections - Service Wind

<i>Section No.</i>	<i>Elevation</i>	<i>Horz. Deflection</i>	<i>Gov. Load Comb.</i>	<i>Tilt</i>	<i>Twist</i>
	<i>ft</i>	<i>in</i>		<i>°</i>	<i>°</i>
L1	150 - 110	5.419	37	0.8878	0.0128
L2	110 - 70	0.558	29	0.1797	0.0039
L3	73.5 - 31.5	0.072	29	0.0089	0.0015
L4	35.667 - 0	0.032	29	0.0000	0.0005

Critical Deflections and Radius of Curvature - Service Wind

<i>Elevation</i>	<i>Appurtenance</i>	<i>Gov. Load Comb.</i>	<i>Deflection</i>	<i>Tilt</i>	<i>Twist</i>	<i>Radius of Curvature</i>
<i>ft</i>			<i>in</i>	<i>°</i>	<i>°</i>	<i>ft</i>
149.00	(2) APTDC-BDFDM-DBW	37	5.268	0.8668	0.0125	21904
129.00	CBC78T-DS-43-2X	37	2.419	0.4658	0.0075	5215
122.00	Guy	37	1.595	0.3450	0.0059	3911

Maximum Tower Deflections - Design Wind

tnxTower American Tower Engineering 3500 Regency Parkway, Suite 100 Cary, NC 27518 Phone: (919) 468-0112 FAX: (919) 4665414	Job	302476, Wtbr - Waterbury, CT	Page	13 of 14
	Project	13687186_C3_04	Date	15:21:46 08/21/23
	Client	VERIZON WIRELESS	Designed by	Steven.Nedrud

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{rx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{rx}}$	M_{uy} kip-ft	ϕM_{ry} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ry}}$
L1	150 - 110 (1)	TP21.25x15x0.1875	214.42	309.06	0.694	0.00	309.06	0.000
L2	110 - 70 (2)	TP27.61x21.25x0.25	173.07	527.32	0.328	0.00	527.32	0.000
L3	70 - 31.5 (3)	TP33.1x26.5535x0.3125	64.54	1066.08	0.061	0.00	1066.08	0.000
L4	31.5 - 0 (4)	TP37.38x31.8255x0.375	114.46	2330.58	0.049	0.00	2330.58	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	150 - 110 (1)	TP21.25x15x0.1875	3.41	203.31	0.017	0.72	343.14	0.002
L2	110 - 70 (2)	TP27.61x21.25x0.25	3.53	296.68	0.012	0.72	548.04	0.001
L3	70 - 31.5 (3)	TP33.1x26.5535x0.3125	1.62	473.04	0.003	0.72	1114.59	0.001
L4	31.5 - 0 (4)	TP37.38x31.8255x0.375	3.10	784.20	0.004	0.24	2552.62	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{rx}}$	Ratio $\frac{M_{uy}}{\phi M_{ry}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	150 - 110 (1)	0.073	0.694	0.000	0.017	0.002	0.767	1.000	4.8.2
L2	110 - 70 (2)	0.051	0.328	0.000	0.012	0.001	0.379	1.000	4.8.2
L3	70 - 31.5 (3)	0.035	0.061	0.000	0.003	0.001	0.096	1.000	4.8.2
L4	31.5 - 0 (4)	0.026	0.049	0.000	0.004	0.000	0.076	1.000	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	150 - 110	Pole	TP21.25x15x0.1875	1	-49.51	677.69	76.7	Pass
		Guy A@122	7/8	7	29.36	47.82	61.4	Pass
		Guy B@122	7/8	6	29.37	47.82	61.4	Pass
		Guy C@122	7/8	5	29.20	47.82	61.1	Pass
L2	110 - 70	Pole	TP27.61x21.25x0.25	2	-50.51	988.94	37.9	Pass
L3	70 - 31.5	Pole	TP33.1x26.5535x0.3125	3	-55.74	1576.81	9.6	Pass
L4	31.5 - 0	Pole	TP37.38x31.8255x0.375	4	-69.00	2613.99	7.6	Pass
Summary								
Pole (L1)							76.7	Pass
Guy A (L1)							61.4	Pass
Guy B (L1)							61.4	Pass
Guy C (L1)							61.1	Pass
RATING =							76.7	Pass

<i>tnxTower</i> American Tower Engineering 3500 Regency Parkway, Suite 100 Cary, NC 27518 Phone: (919) 468-0112 FAX: (919) 4665414	Job	302476, Wtbr - Waterbury, CT	Page	14 of 14
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Program Version 8.1.1.0 - 6/3/2021 File:X:/W-Z/Wtbr - Waterbury, CT (302476)/13687186 VERIZON WIRELESS/13687186_04_CUST_STR/TF/302476, Wtbr - Waterbury, CT.eri

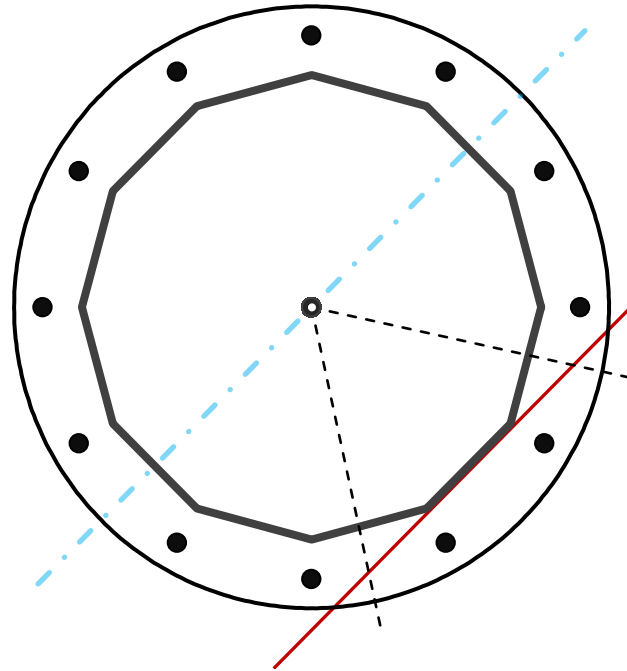
Flange Plate & Bolt Analysis at 110'

Pole Dimensions		
Number of Sides	12	-
Diameter	21.25	in
Thickness	3/16	in
Base Weld Size		in
Orientation Offset		°

Applied Reactions		
Moment, Mu	214.4	k-ft
Axial, Pu	49.5	k
Shear, Vu	3.5	k
Analysis Type	Plastic	
Neutral Axis	225	°

Report Capacities		
Component	Capacity	Result
Flange Plate	39%	Pass
Stiffeners	-	-
Bolts	65%	Pass
Dwyidag	-	-

Flange Plate		
Shape	Round	-
Diameter, ϕ	28.5	in
Thickness	1	in
Grade	A572-60	
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Clip	N/A	in
Orientation Offset		°
Applied Moment, Mu	91.6	k
Bending Stress, ϕM_n	231.9	k



Original Bolts		
Arrangement	Radial	-
Quantity	12	-
Diameter, ϕ	1	in
Bolt Circle	25.75	in
Grade	A325	
Yield Strength, Fy	92	ksi
Tensile Strength, Fu	120	ksi
Spacing	6.7	in
Orientation Offset		°
Applied Force, Pu	35.4	k
Anchor Rods, ϕP_n	54.5	k

Calculations for Monopole Base Plate & Anchor Rod Analysis

Reaction Distribution

Reaction	Shear Vu	Moment Mu	Factor
-	k	k-ft	-
Base Forces	3.5	214.4	1.00
Anchor Rod Forces	3.5	214.4	1.00
Additional Bolt (Grp1) Forces	0.0	0.0	0.00
Additional Bolt (Grp2) Forces	0.0	0.0	0.00
Dywidag Forces	0.0	0.0	0.00
Stiffener Forces	0.0	0.0	0.00

Geometric Properties

Section	Gross Area	Net Area	Individual Inertia	Threads per Inch	Moment of Inertia
-	in ²	in ²	in ⁴	#	in ⁴
Pole	12.2656	1.0221	0.0120		680.32
Bolt	0.7854	0.6057	0.0292	8	545.75
Bolt1	0.0000	0.0000	0.0000	0	0.00
Bolt2	0.0000	0.0000	0.0000	0	0.00
Dywidag	0.0000	0.0000	0.0000		0.00
Stiffener	0.0000	0.0000	0.0000		0.00

Base Plate		
Shape	Round	-
Diameter, D	28.5	in
Thickness, t	1	in
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Base Plate Chord	18.992	in
Detail Type	0.000	-
Detail Factor	#N/A	-
Clear Distance	N/A	-

Anchor Rods		
Anchor Rod Quantity, N	12	-
Rod Diameter, d	1	in
Bolt Circle, BC	25.75	in
Yield Strength, Fy	92	ksi
Tensile Strength, Fu	120	ksi
Applied Axial, Pu	35.4	k
Applied Shear, Vu	0.4	k
Compressive Capacity, ϕP_n	54.5	k
Axial Result	65.0%	OK
Interaction Result	65.0%	OK

External Base Plate		
Chord Length AA	17.178	in
Additional AA	0.000	in
Section Modulus, Z	4.295	in ³
Applied Moment, Mu	91.6	k-in
Bending Capacity, ϕM_n	231.9	k-in
Capacity, Mu/ ϕM_n	39.5%	OK
Chord Length AB	16.207	in
Additional AB	0.000	in
Section Modulus, Z	4.052	in ³
Applied Moment, Mu	63.2	k-in
Bending Capacity, ϕM_n	218.8	k-in
Capacity, Mu/ ϕM_n	28.9%	OK
Bend Line Length	20.999	in
Additional Bend Line	0.000	in
Section Modulus, Z	5.250	in ³
Applied Moment, Mu	94.8	k-in
Bending Capacity, ϕM_n	283.5	k-in
Capacity, Mu/ ϕM_n	33.4%	OK

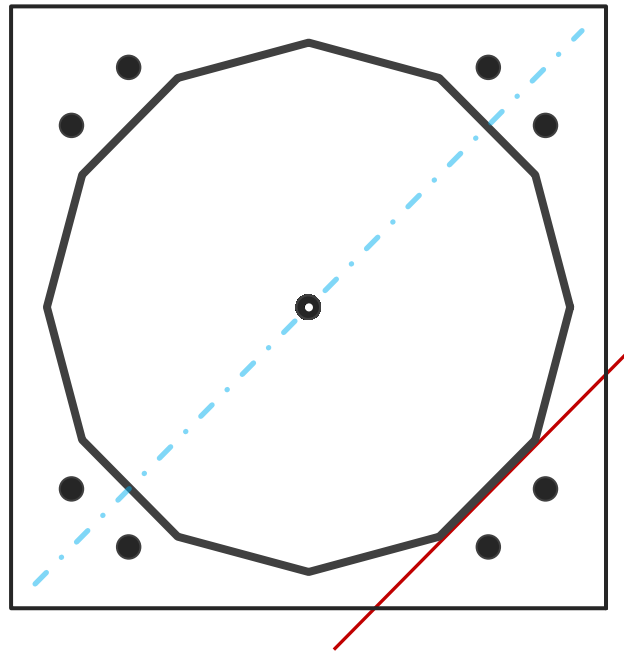
Base Plate & Anchor Rod Analysis at 0'

Pole Dimensions		
Number of Sides	12	-
Diameter	37.38	in
Thickness	3/8	in
Base Weld Size		in
Orientation Offset		°

Applied Reactions		
Moment, Mu	114.5	k-ft
Axial, Pu	69.0	k
Shear, Vu	3.1	k
Analysis Type	Plastic	
Neutral Axis	225	°

Report Capacities		
Component	Capacity	Result
Base Plate	4%	Pass
Stiffeners	-	-
Anchor Rods	14%	Pass
Dwyidag	-	-

Base Plate		
Shape	Square	-
Width	44	in
Thickness	2 1/2	in
Grade	A633 Gr. E	
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	80	ksi
Clip	0	in
Orientation Offset	0	°
Anchor Rod Detail	c	$\eta=0.55$
Clear Distance	N/A	in
Applied Moment, Mu	90.5	k
Bending Stress, ϕM_n	2096.3	k



Original Anchor Rods		
Arrangement	Cluster	-
Quantity	8	-
Diameter, ϕ	2 1/4	in
Bolt Circle	44	in
Grade	A615-75	
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Spacing	6.0	in
Orientation Offset		°
Applied Force, Pu	32.0	k
Anchor Rods, ϕP_n	243.6	k

Calculations for Monopole Base Plate & Anchor Rod Analysis

Reaction Distribution

Reaction	Shear Vu	Moment Mu	Factor
-	k	k-ft	-
Base Forces	3.1	114.5	1.00
Anchor Rod Forces	3.1	114.5	1.00
Additional Bolt (Grp1) Forces	0.0	0.0	0.00
Additional Bolt (Grp2) Forces	0.0	0.0	0.00
Dywidag Forces	0.0	0.0	0.00
Stiffener Forces	0.0	0.0	0.00

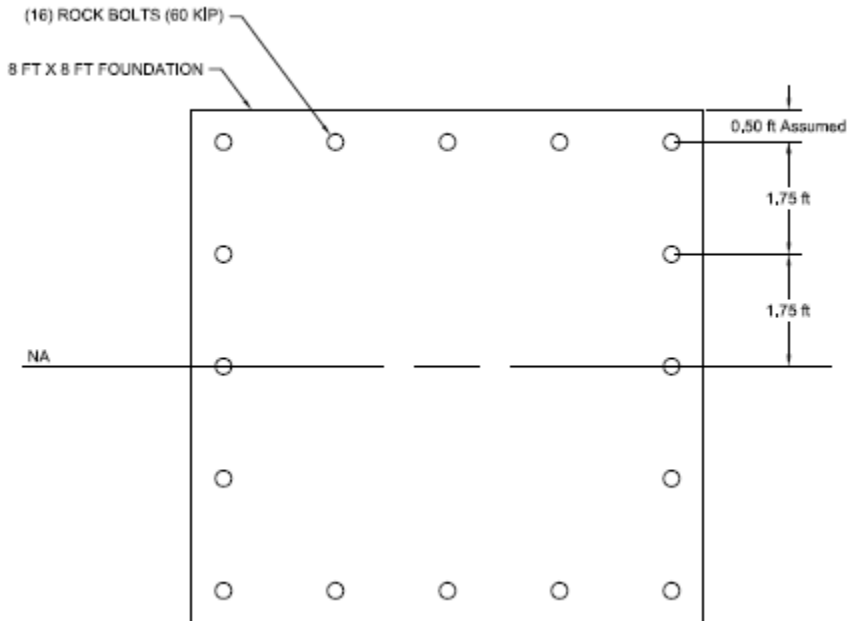
Geometric Properties

Section	Gross Area	Net Area	Individual Inertia	Threads per Inch	Moment of Inertia
-	in ²	in ²	in ⁴	#	in ⁴
Pole	43.0992	3.5916	0.1692		7379.37
Bolt	3.9761	3.2477	0.8393	4.5	5566.40
Bolt1	0.0000	0.0000	0.0000	0	0.00
Bolt2	0.0000	0.0000	0.0000	0	0.00
Dywidag	0.0000	0.0000	0.0000		0.00
Stiffener	0.0000	0.0000	0.0000		0.00

Base Plate		
Shape	Square	-
Width, W	44	in
Thickness, t	2.5	in
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	80	ksi
Base Plate Chord	23.211	in
Detail Type	c	-
Detail Factor	0.55	-
Clear Distance	N/A	-

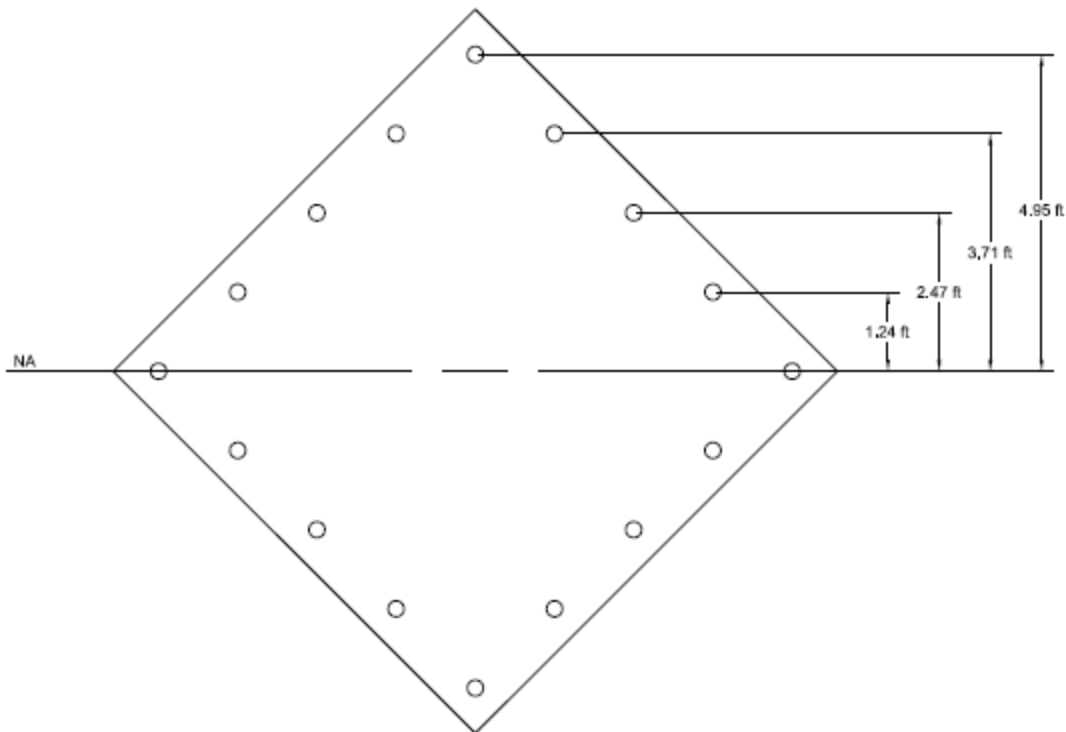
Anchor Rods		
Anchor Rod Quantity, N	8	-
Rod Diameter, d	2.25	in
Bolt Circle, BC	44	in
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	32.0	k
Applied Shear, Vu	0.7	k
Compressive Capacity, ϕP_n	243.6	k
Axial Result	13.1%	OK
Interaction Result	13.6%	OK

External Base Plate		
Chord Length AA	24.845	in
Additional AA	0.000	in
Section Modulus, Z	38.821	in ³
Applied Moment, Mu	90.5	k-in
Bending Capacity, ϕM_n	2096.3	k-in
Capacity, Mu/ ϕM_n	4.3%	OK
Chord Length AB	23.527	in
Additional AB	0.000	in
Section Modulus, Z	36.761	in ³
Applied Moment, Mu	57.4	k-in
Bending Capacity, ϕM_n	1985.1	k-in
Capacity, Mu/ ϕM_n	2.9%	OK
Bend Line Length	0.000	in
Additional Bend Line	0.000	in
Section Modulus, Z	0.000	in ³
Applied Moment, Mu	0.0	k-in
Bending Capacity, ϕM_n	0.0	k-in
Capacity, Mu/ ϕM_n		



$$I_0 = \sum d^2$$

$$I_0 = 4 * 1.75^2 + 10 * 3.5^2 = \mathbf{134.8}$$



$$I_0 = \sum d^2$$

$$I_0 = 4 * 1.24^2 + 4 * 2.47^2 + 4 * 3.71^2 + 2 * 4.95^2 = \mathbf{134.6}$$



CONTROLLING USAGE

$$M_{Overturning} = M + V * D = 114.46 + 3.1 * 6 = 133.1 \text{ k} - \text{ft}$$

$$T_{U-Rock-Bolt} = \frac{M_{Overturning} * L_{Max}}{I_0} - \frac{P}{\#Rock Bolts}$$

$$T_{U-Rock-Bolt} = \frac{133.1 * 4.95}{134.6} - \frac{69.0}{16} = 0.58 \text{ k}$$

$$\frac{T_{ub}}{\phi R_{nt}} = \frac{0.58k}{0.75(60k)} = \mathbf{0.01 OK}$$

GUY ANCHOR ROD CHECK

$$\left. \begin{array}{l} \text{Uplift} = 21.0k \\ \text{Shear} = 20.0k \end{array} \right\} \text{Guy Anchor Reactions}$$

$$T_{ub} = T_{applied} = \sqrt{(21.0)^2 + (20.0k)^2} = 29.0 \text{ k}$$

1.5" Diameter Anchor Rod

A36 Grade Assumed

$$A_g = 1.77 \text{ in}^2$$

$$\frac{T_{ub}}{\phi R_{nt}} = \frac{29.0 \text{ k}}{0.8(36\text{ksi} * 1.77\text{in}^2)} = \mathbf{0.57 OK}$$

EXHIBIT 4



Colliers Engineering & Design CT, P.C.
1055 Washington Boulevard
Stamford, CT 06901
203.324.0800

peter.albano@collierseng.com

Antenna Mount Analysis Report with Hardware Upgrades and PMI Requirements

Mount ReAnalysis-VZW

SMART Tool Project #: 10207443
Colliers Engineering & Design CT, P.C. #: 21777844 Rev. 1

August 2, 2023

Site Information

Site ID: 5000120998-VZW / WATERBURY CT
Site Name: WATERBURY CT
Carrier Name: Verizon Wireless
Address: 1 Farmdale Drive
Waterbury, Connecticut 06704,
New Haven County
Latitude: 41.570375°
Longitude: -73.017884°

Structure Information

Tower Type: 150-Ft Monopole
Mount Type: 13.33-Ft Integrated Sector Frame

FUZE ID # 16241845

Analysis Results

Integrated Sector Frame: 43.1% Pass* **Pass w/ Hardware Upgrades***

***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.vzsmart.com>

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

Report Prepared By: Ismaias Recinos



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
125.00	127.93	3	Antel	BXA-80063/4	Retained
	127.90	6	CommScope	JAHH-65C-R3B-V2	
		3	JMA Wireless	DX10FRO260-00	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		3	Samsung	CBRS RRH - RT4401-48A	
		3	CommScope	CBC78T-DS-43-2X	
		1	Raycap	RCMDC-6627-PF-48*	
		3	Samsung	MT6407-77A	
	6	Kaelus	KA-6030	Added	

* Equipment is flush mounted directly to the Monopole. It is not mounted on the Integrated Sector Frame mounts and are not included in this mount analysis.

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design CT, P.C. 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 CT, P.C. 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 CT, P.C. 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:
 - o Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - o HSS (Rectangular) ASTM 500 (Gr. B-46)
 - o Pipe ASTM A53 (Gr. B-35)
 - o Threaded Rod F1554 (Gr. 36)
 - o 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 CT, P.C..

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	43.1 %	Pass
Face Bracing	7.9 %	Pass
Standoff Horizontal	37.7 %	Pass
Corner Plate	26.1 %	Pass
Standoff Bracing	23.5 %	Pass
Mount Pipe	29.7 %	Pass
Middle Standoff Horizontal	50.1 %	Pass
Mast Pipe	3.6 %	Pass
Connections	24.3%	Pass
Structure Rating – (Controlling Utilization of all Components)		43.1%

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	76.0	76.0	93.8	93.8
0.5	96.8	96.8	122.1	122.1
1	117.0	116.9	149.7	149.7

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 will be **SUFFICIENT** for the final loading configuration shown in attachment 2 **upon the completion of the requirements listed 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

PSLC #: 5000120998

SMART Project #: 10207443

Fuze Project ID: 16241845

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

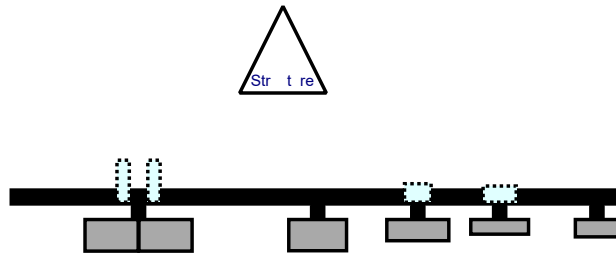
Contractor to certify the condition of the safety climb and verify no damage when leaving the site:

Safety Climb in Good Condition Safety Climb Damaged

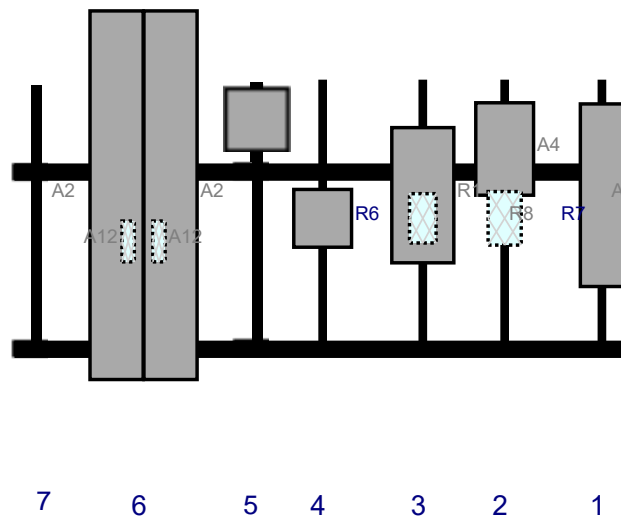
Certifying Individual:

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

Plan View



Front View - Looking at Structure



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
A3	BXA-80063/4	47.4	11.2	152.5	1		Fro t	30	0	Ret i ed	07/31/2021
A4	DX10FRO260-00	24	15	127.25	2		Fro t	18	0	Ret i ed	07/31/2021
R7	CBRS RRH - RT4401-48A	13.9	8.6	127.25	2		Behi d	36	0	Ret i ed	07/31/2021
R1	MT6407-77A	35.1	16.1	106	3		Fro t	30	0	Added	
R8	CBC78T-DS-43-2X	12.8	6.9	106	3		Behi d	36	0	Ret i ed	07/31/2021
R6	B5/B13 RRH-BR04C	15	15	80	4		Fro t	36	0	Ret i ed	07/31/2021
A2	JAHH-65C-R3B-V2	95.7	13.8	33.5	5		Fro t	30	-7	Ret i ed	07/31/2021
A2	JAHH-65C-R3B-V2	95.7	13.8	33.5	5		Fro t	30	7	Ret i ed	07/31/2021
A12	KA-6030	10.6	3.2	33.5	5		Behi d	42	-4	Added	
A12	KA-6030	10.6	3.2	33.5	5		Behi d	42	4	Added	
RADIOAB2/B66A RRH-BR049		15	15			Me er				Ret i ed	07/31/2021
RADIOBB2/B66A RRH-BR049 (RFV01U-D1A)		15	15			Me er				Ret i ed	
RADIOCB2/B66A RRH-BR049 (RFV01U-D1A)		15	15			Me er				Ret i ed	

Se tor: **B**
 Str t re Type: Mo opole
 Mo t Elev: 125.00

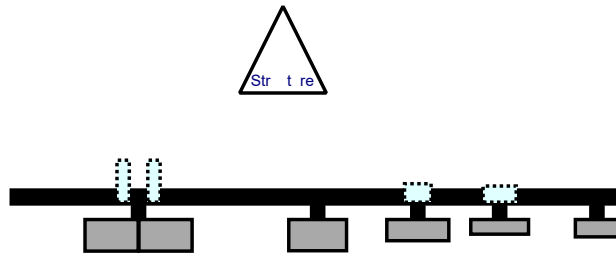
10207443

8/1/2023

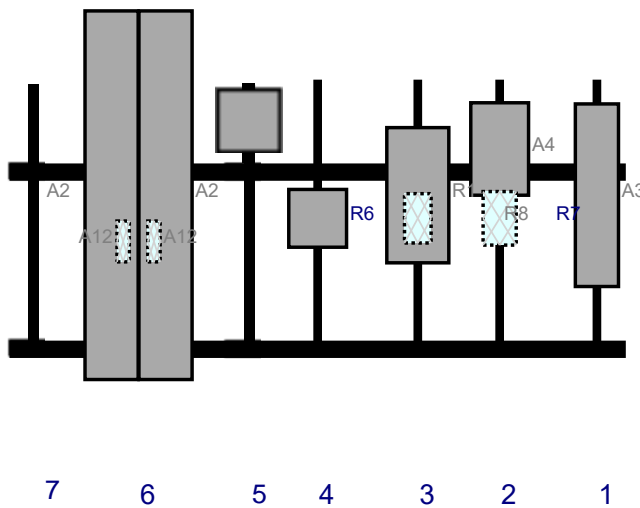


Page: 2

Plan View



Front View - Looking at Structure



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
A3	BXA-80063/4	47.4	11.2	152.5	1		Fro t	30	0	Ret i ed	07/31/2021
A4	DX10FRO260-00	24	15	127.25	2		Fro t	18	0	Ret i ed	07/31/2021
R7	CBRS RRH - RT4401-48A	13.9	8.6	127.25	2		Behi d	36	0	Ret i ed	07/31/2021
R1	MT6407-77A	35.1	16.1	106	3		Fro t	30	0	Added	
R8	CBC78T-DS-43-2X	12.8	6.9	106	3		Behi d	36	0	Ret i ed	07/31/2021
R6	B5/B13 RRH-BR04C	15	15	80	4		Fro t	36	0	Ret i ed	07/31/2021
A2	JAHH-65C-R3B-V2	95.7	13.8	33.5	5		Fro t	30	-7	Ret i ed	07/31/2021
A2	JAHH-65C-R3B-V2	95.7	13.8	33.5	5		Fro t	30	7	Ret i ed	07/31/2021
A12	KA-6030	10.6	3.2	33.5	5		Behi d	42	-4	Added	
A12	KA-6030	10.6	3.2	33.5	5		Behi d	42	4	Added	

Se tor: C
 Str t re Type: Mo opole
 Mo t Elev: 125.00

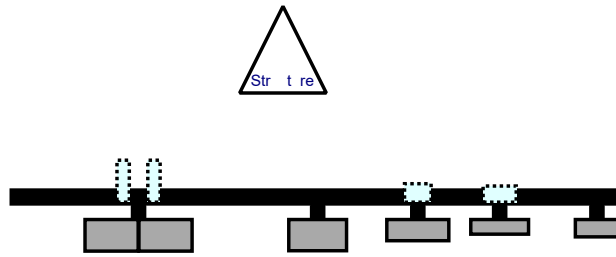
10207443

8/1/2023

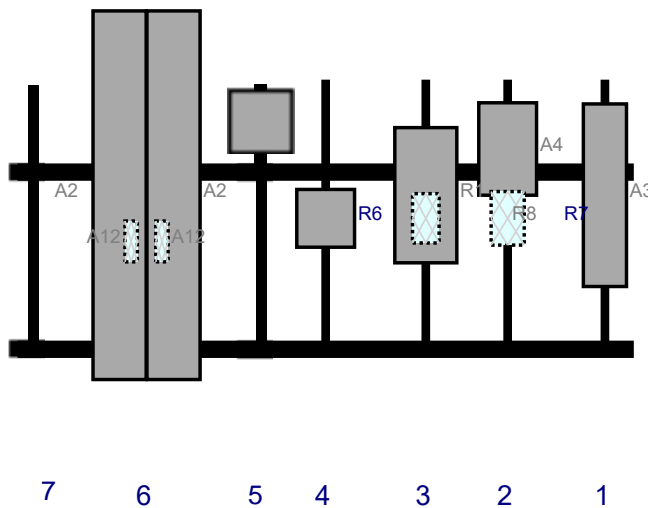


Page: 3

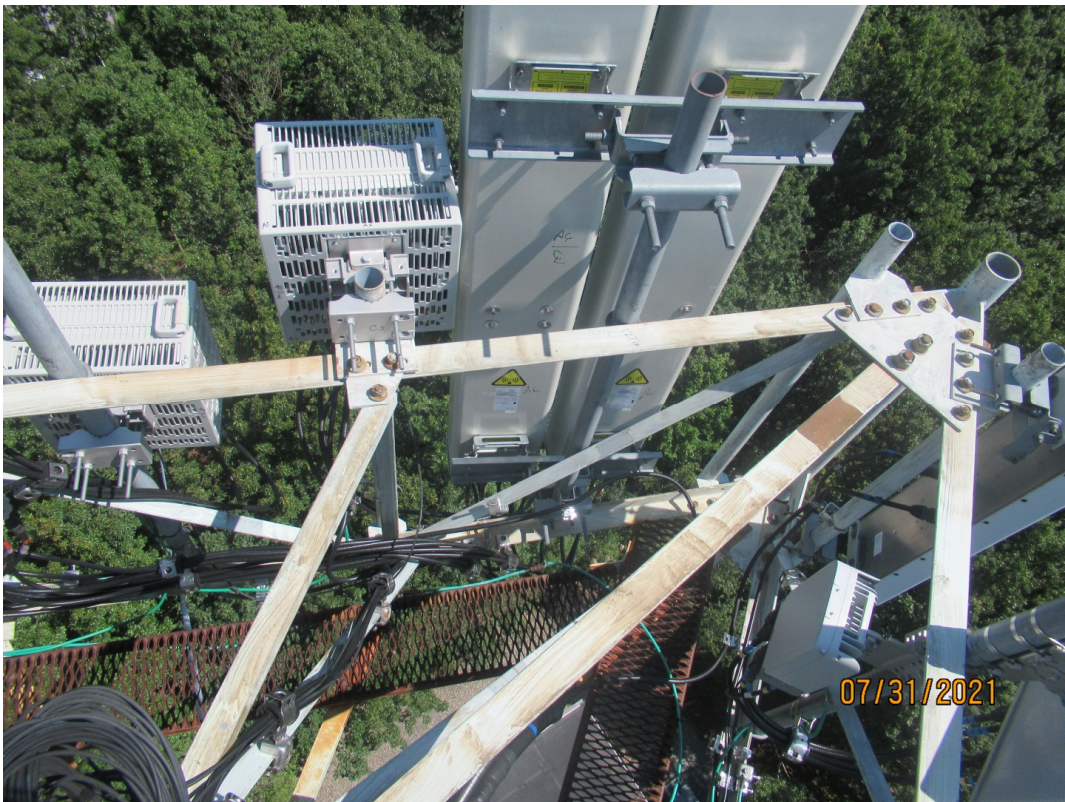
Plan View



Front View - Looking at Structure



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
A3	BXA-80063/4	47.4	11.2	152.5	1		Fro t	30	0	Ret i ed	07/31/2021
A4	DX10FRO260-00	24	15	127.25	2		Fro t	18	0	Ret i ed	07/31/2021
R7	CBRS RRH - RT4401-48A	13.9	8.6	127.25	2		Behi d	36	0	Ret i ed	07/31/2021
R1	MT6407-77A	35.1	16.1	106	3		Fro t	30	0	Added	
R8	CBC78T-DS-43-2X	12.8	6.9	106	3		Behi d	36	0	Ret i ed	07/31/2021
R6	B5/B13 RRH-BR04C	15	15	80	4		Fro t	36	0	Ret i ed	07/31/2021
A2	JAHH-65C-R3B-V2	95.7	13.8	33.5	5		Fro t	30	-7	Ret i ed	07/31/2021
A2	JAHH-65C-R3B-V2	95.7	13.8	33.5	5		Fro t	30	7	Ret i ed	07/31/2021
A12	KA-6030	10.6	3.2	33.5	5		Behi d	42	-4	Added	
A12	KA-6030	10.6	3.2	33.5	5		Behi d	42	4	Added	



Observed Safety and Structural Issues During the Mount Mapping

Issue #	Description of Issue	Photo #
1		
2		
3		
4		
5		
6		
7		
8		

Observed Obstructions to Tower Lighting System

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

Mapping Notes

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

Standard Conditions

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



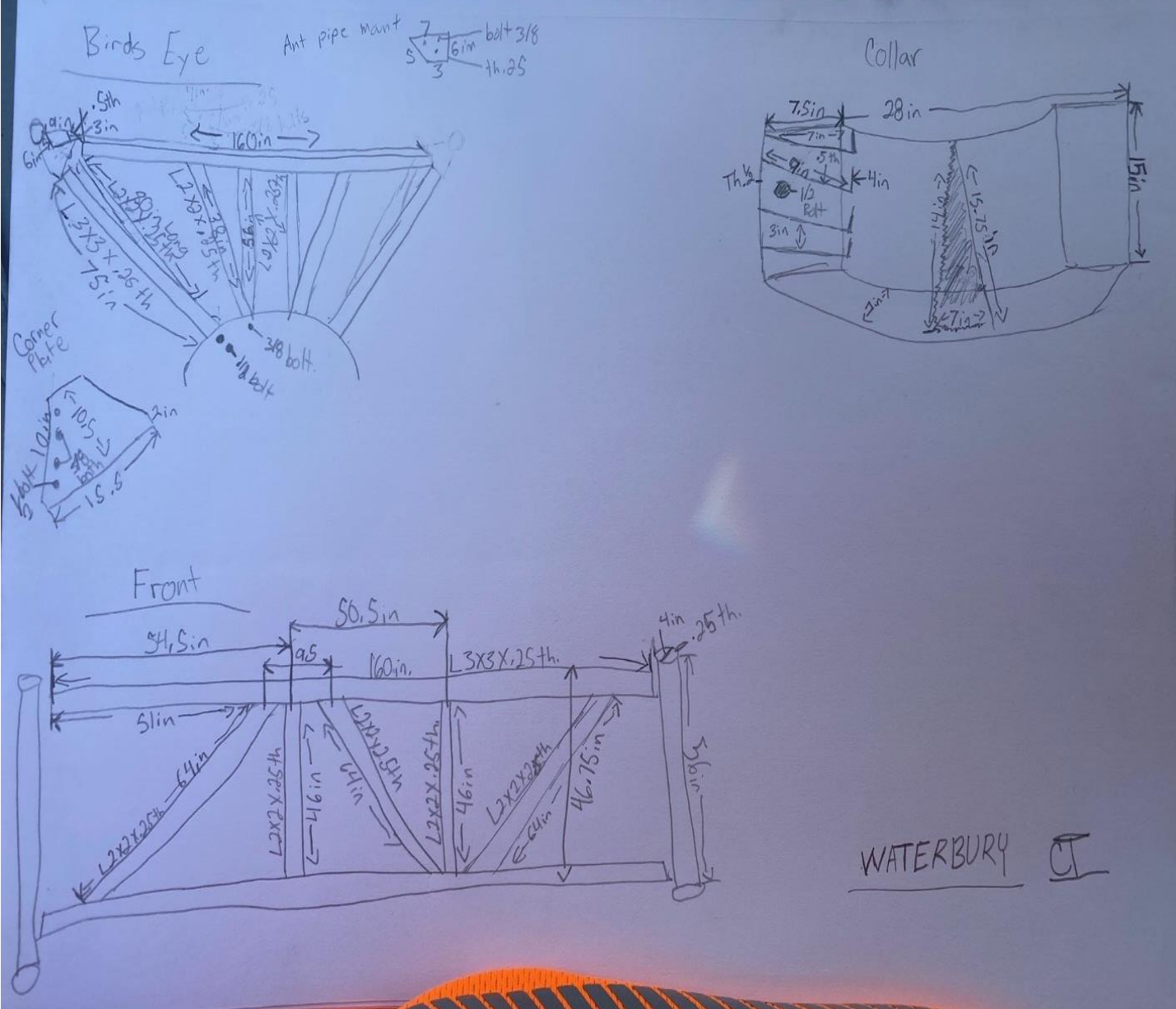
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
N/A

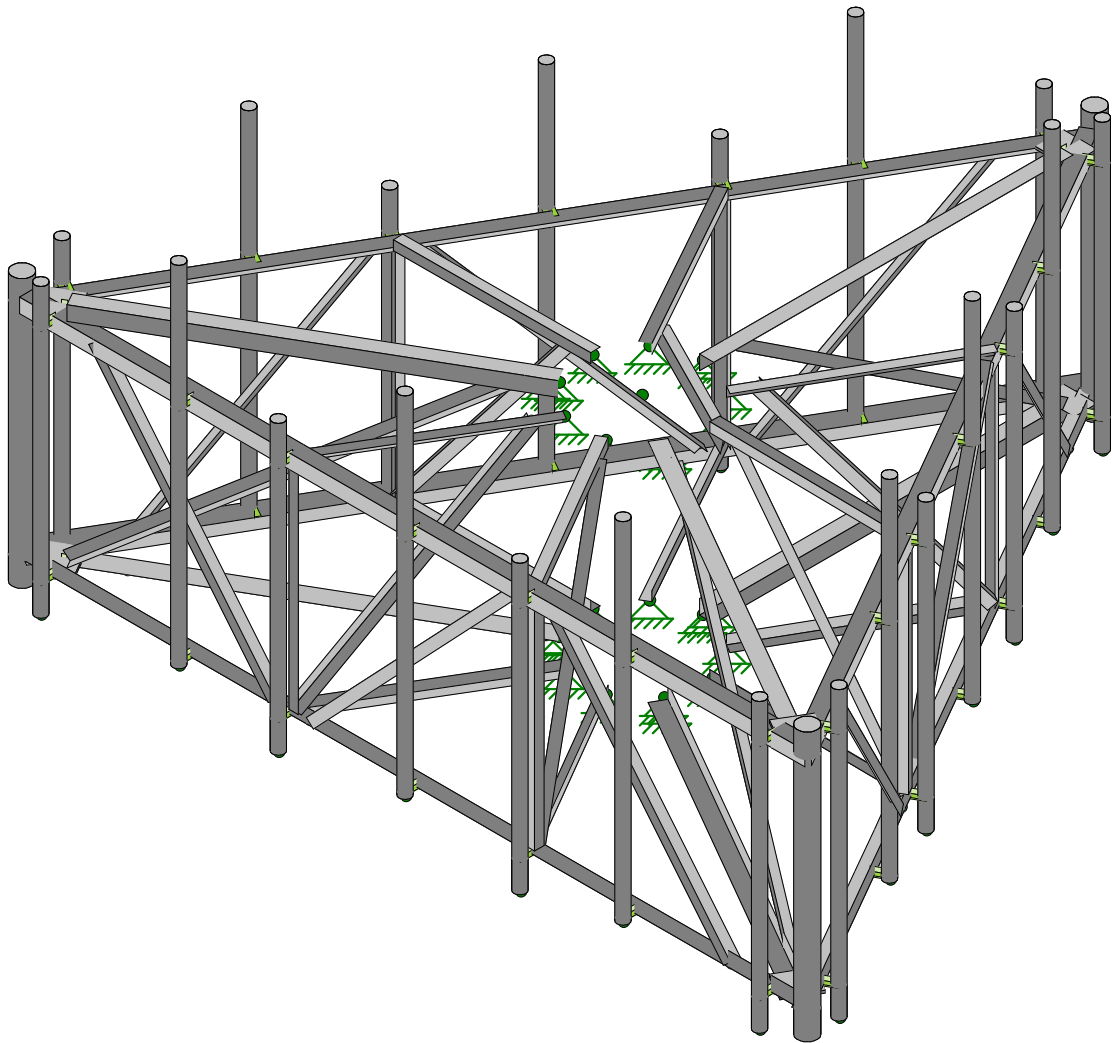
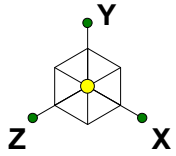
Tower Owner:	American Tower	Mapping Date:	7/31/
Site Name:	WTRB-Waterbury	Tower Type:	Monopole
Site Number or ID:	302476	Tower Height (Ft.):	
Mapping Contractor:	C and J Services	Mount Elevation (Ft.):	129

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Please Insert Sketches of the Antenna Mount



WATERBURY CT



Colliers Engineering & De...

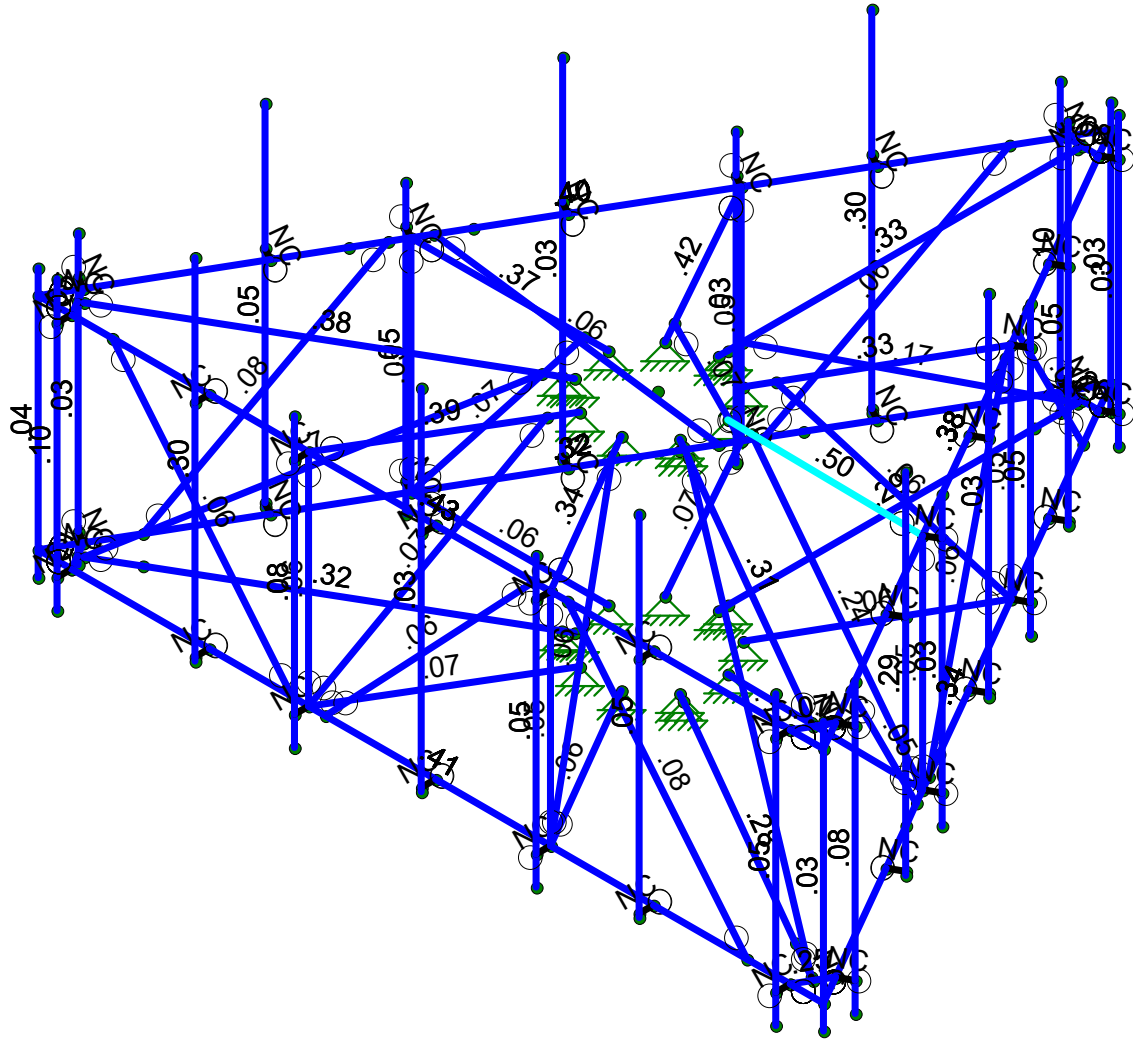
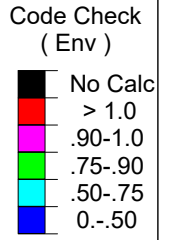
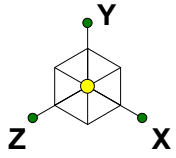
ILR

Project No. 10207443

5000120998-VZW_MT_LO_H

Aug 1, 2023 at 2:24 PM

5000120998-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & De...	5000120998-VZW_MT_LO_H	Aug 1, 2023 at 2:49 PM
ILR		5000120998-VZW_MT_LO_H.r3d
Project No. 10207443		



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.						
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	-6.833332	0	3.945228	0	
2	N2	6.833332	0	3.945224	0	
3	N3	-6.833332	-3.833333	3.945228	0	
4	N4	6.833332	-3.833333	3.945224	0	
5	N5	-2.125	0	3.945228	0	
6	N6	-2.125	-3.833333	3.945228	0	
7	N7	2.083333	0	3.945228	0	
8	N8	2.083333	-3.833333	3.945228	0	
9	N9	-2.416667	-3.833333	3.945228	0	
10	N10	1.791667	0	3.945228	0	
11	N11	-1.833333	-3.833333	3.945228	0	
12	N12	2.375	0	3.945228	0	
13	N13	-5.541667	0	3.945228	0	
14	N14	5.5	-3.833333	3.945228	0	
15	CENTER	0	0	-0.000002	0	
16	N17	-0.000002	0	-7.890453	0	
17	N19	-0.000002	-3.833333	-7.890453	0	
18	N18	-0.000002	0	-1.057119	0	
19	N19A	-0.000002	-3.833333	-1.057119	0	
20	N20	-0.000002	0	-7.307119	0	
21	N21	-0.000002	-3.833333	-7.307119	0	
22	N22	-0.000002	0	-7.390453	0	
23	N23	-0.000002	-3.833333	-7.390453	0	
24	N24	-0.915491	0	0.528561	0	
25	N25	-0.915491	-3.833333	0.528561	0	
26	N26	-6.32815	0	3.653561	0	
27	N27	-6.32815	-3.833333	3.653561	0	
28	N30	0.915493	0	0.528558	0	
29	N31	0.915493	-3.833333	0.528558	0	
30	N32	6.328152	0	3.653558	0	
31	N33	6.328152	-3.833333	3.653558	0	
32	N38	0.288674	0	-7.390453	0	
33	N39	-0.288677	0	-7.390453	0	
34	N38A	0.288674	-3.833333	-7.390453	0	
35	N39A	-0.288677	-3.833333	-7.390453	0	
36	N40	-6.544657	0	3.445228	0	
37	N41	-6.255981	0	3.945228	0	
38	N42	-6.544657	-3.833333	3.445228	0	
39	N43	-6.255981	-3.833333	3.945228	0	
40	N44	6.255981	0	3.945228	0	
41	N45	6.544657	0	3.445226	0	
42	N46	6.255981	-3.833333	3.945228	0	
43	N47	6.544657	-3.833333	3.445226	0	
44	N46A	-6.400319	0	3.695228	0	
45	N47A	-6.400319	-3.833333	3.695228	0	
46	N50	6.400321	0	3.695225	0	
47	N51	6.400321	-3.833333	3.695225	0	
48	N48	-0.000002	0	-1.473786	0	
49	N50A	-1.276335	0	0.736894	0	
50	N52	1.276337	0	0.736892	0	
51	N51A	6.2515	0	3.945228	0	



Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
109	N113	-2.354166	0	-3.812918	0	
110	N114	-2.354166	-3.833333	-3.812918	0	
111	N115	-4.458333	0	-0.168393	0	
112	N116	-4.458333	-3.833333	-0.168393	0	
113	N121	-0.882435	0	-1.173709	0	
114	N122	-1.457722	0	-0.181715	0	
115	N115A	6.833333	0.416667	3.945225	0	
116	N116A	6.833333	-4.25	3.945225	0	
117	N118	-0.000002	0.416667	-7.890453	0	
118	N119	-0.000002	-4.25	-7.890453	0	
119	N121A	-6.833332	0.416667	3.945228	0	
120	N122A	-6.833332	-4.25	3.945228	0	
121	N121B	1.479165	0	-5.328461	0	
122	N122B	1.479165	-3.833333	-5.328461	0	
123	N123	3.374999	0	-2.044782	0	
124	N124	3.374999	-3.833333	-2.044782	0	
125	N125	5.343749	0	1.365193	0	
126	N126	5.343749	-3.833333	1.365193	0	
127	N127	1.695671	0	-5.453461	0	
128	N128	1.695671	-3.833333	-5.453461	0	
129	N129	3.591505	0	-2.169781	0	
130	N130	3.591505	-3.833333	-2.169781	0	
131	N131	5.560255	0	1.240194	0	
132	N132	5.560255	-3.833333	1.240194	0	
133	N133	1.695671	2.1875	-5.453461	0	
134	N134	3.591505	2.1875	-2.169781	0	
135	N135	5.560255	2.1875	1.240194	0	
136	N136	1.695671	-3.895833	-5.453461	0	
137	N137	3.591505	-3.895833	-2.169781	0	
138	N138	5.560255	-3.895833	1.240194	0	
139	N139	-5.354166	0	1.383236	0	
140	N140	-5.354166	-3.833333	1.383236	0	
141	N141	-3.458333	0	-1.900444	0	
142	N142	-3.458333	-3.833333	-1.900444	0	
143	N143	-1.489584	0	-5.31042	0	
144	N144	-1.489584	-3.833333	-5.31042	0	
145	N145	-5.570671	0	1.258236	0	
146	N146	-5.570671	-3.833333	1.258236	0	
147	N147	-3.674838	0	-2.025444	0	
148	N148	-3.674838	-3.833333	-2.025444	0	
149	N149	-1.706088	0	-5.435419	0	
150	N150	-1.706088	-3.833333	-5.435419	0	
151	N151	-5.570671	2.1875	1.258236	0	
152	N152	-3.674838	2.1875	-2.025444	0	
153	N153	-1.706088	2.1875	-5.435419	0	
154	N154	-5.570671	-3.895833	1.258236	0	
155	N155	-3.674838	-3.895833	-2.025444	0	
156	N156	-1.706088	-3.895833	-5.435419	0	
157	N161	4.874999	-3.833333	0.553294	0	
158	N162	2.770832	0	-3.09123	0	
159	N163	4.083332	-3.833333	-0.817913	0	
160	N164	1.979165	0	-4.462437	0	
161	N165	6.187499	0	2.82661	0	
162	N166	0.666664	-3.833333	-6.735754	0	
163	N173	6.54675	0	3.44885	0	
164	N174	6.54675	-3.833333	3.44885	0	
165	N175	4.695671	0	-0.257309	0	



Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
166	N176	4.695671	-3.833333	-0.257309	0	
167	N177	2.591505	0	-3.901832	0	
168	N178	2.591505	-3.833333	-3.901832	0	
169	N185	6.763255	0	3.323851	0	
170	N186	6.763255	-3.833333	3.323851	0	
171	N187	4.695671	0.666667	-0.257309	0	
172	N188	2.591505	0.666667	-3.901832	0	
173	N189	6.763255	0.666667	3.323851	0	
174	N190	4.695671	-4.333333	-0.257309	0	
175	N191	2.591505	-4.333333	-3.901832	0	
176	N192	6.763255	-4.333333	3.323851	0	
177	N203	-1.958333	-3.833333	-4.498521	0	
178	N204	-4.062499	0	-0.853998	0	
179	N205	-2.75	-3.833333	-3.127314	0	
180	N206	-4.854165	0	0.517209	0	
181	N207	-0.645834	0	-6.771838	0	
182	N208	-6.166665	-3.833333	2.790526	0	
183	N215	-0.288667	0	-7.390469	0	
184	N216	-0.288667	-3.833333	-7.390469	0	
185	N217	-2.570671	0	-3.937916	0	
186	N218	-2.570671	-3.833333	-3.937916	0	
187	N219	-4.674838	0	-0.293393	0	
188	N220	-4.674838	-3.833333	-0.293393	0	
189	N227	-0.505171	0	-7.515467	0	
190	N228	-0.505171	-3.833333	-7.515467	0	
191	N229	-2.570671	0.666667	-3.937916	0	
192	N230	-4.674838	0.666667	-0.293393	0	
193	N231	-0.505171	0.666667	-7.515467	0	
194	N232	-2.570671	-4.333333	-3.937916	0	
195	N233	-4.674838	-4.333333	-0.293393	0	
196	N234	-0.505171	-4.333333	-7.515467	0	
197	N197	0.288665	0	-7.390467	0	
198	N198	0.288665	-3.833333	-7.390467	0	
199	N199	0.505171	0	-7.515467	0	
200	N200	0.505171	-3.833333	-7.515467	0	
201	N201	0.505171	0.666667	-7.515467	0	
202	N202	0.505171	-4.333333	-7.515467	0	
203	N203A	-6.544665	0	3.445242	0	
204	N204A	-6.544665	-3.833333	3.445242	0	
205	N205A	-6.761171	0	3.320242	0	
206	N206A	-6.761171	-3.833333	3.320242	0	
207	N207A	-6.761171	0.666667	3.320242	0	
208	N208A	-6.761171	-4.333333	3.320242	0	
209	N209	-0.000002	-3.833333	-6.557119	0	
210	N210	-5.678631	-3.833333	3.278561	0	
211	N211	5.678633	-3.833333	3.278558	0	
212	N212	-0.000002	-3.833333	-1.223786	0	
213	N213	-1.059829	-3.833333	0.611894	0	
214	N214	1.059831	-3.833333	0.611892	0	
215	N215A	-0.000002	-0.	-1.223786	0	
216	N216A	-1.059829	-0.	0.611894	0	
217	N217A	1.059831	-0.	0.611892	0	
218	N218A	4.625001	-3.833333	0.120281	0	
219	N219A	2.520834	0	-3.524243	0	
220	N220A	4.333334	-3.833333	-0.384901	0	
221	N221	2.229167	0	-4.029424	0	
222	N224	-2.208334	-3.833333	-4.065509	0	



Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
223	N225	-4.312501	0	-0.420985	0	
224	N226	-2.500001	-3.833333	-3.560327	0	
225	N227A	-4.604167	0	0.084196	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Tower Conn...	L6X6X5	Beam	Single Angle	A36 Gr.36	Typical	3.67	13	13	.129
3	Face Horizo...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
4	Face Bracing	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical	.944	.346	.346	.021
5	Standoff Hor...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
6	Standoff Bra...	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical	.944	.346	.346	.021
7	Middle Stan...	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical	.944	.346	.346	.021
8	Corner Plate	PL1/2x6	Beam	Single Angle	A36 Gr.36	Typical	3	.063	9	.237
9	Mast Pipe	PIPE_3.5	Beam	Pipe	A53 Gr. B	Typical	2.5	4.52	4.52	9.04

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2		180	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
2	FACE	N3	N4		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
3	M3	N5	N6		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
4	M4	N7	N8			Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
5	M5	N9	N13		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
6	M6	N11	N10		180	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
7	M7	N14	N12		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
8	M8	N2	N17		180	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
9	M9	N4	N19		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
10	M10	N17	N1		180	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
11	M11	N19	N3		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
12	M12	N18	N20		90	Standoff Horiz...	Beam	Single Angle	A36 Gr.36	Typical
13	M13	N19A	N21			Standoff Horiz...	Beam	Single Angle	A36 Gr.36	Typical
14	M14	N20	N22			RIGID	None	None	RIGID	Typical
15	M15	N21	N23			RIGID	None	None	RIGID	Typical
16	M16	N24	N26		90	Standoff Horiz...	Beam	Single Angle	A36 Gr.36	Typical
17	M17	N25	N27			Standoff Horiz...	Beam	Single Angle	A36 Gr.36	Typical
18	M20	N30	N32		90	Standoff Horiz...	Beam	Single Angle	A36 Gr.36	Typical
19	M21	N31	N33			Standoff Horiz...	Beam	Single Angle	A36 Gr.36	Typical
20	M24	N38	N39		90	Corner Plate	Beam	Single Angle	A36 Gr.36	Typical
21	M25	N38A	N39A		90	Corner Plate	Beam	Single Angle	A36 Gr.36	Typical
22	M26	N40	N41		90	Corner Plate	Beam	Single Angle	A36 Gr.36	Typical
23	M27	N42	N43		90	Corner Plate	Beam	Single Angle	A36 Gr.36	Typical
24	M28	N44	N45		90	Corner Plate	Beam	Single Angle	A36 Gr.36	Typical
25	M29	N46	N47		90	Corner Plate	Beam	Single Angle	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
83	MP2C	N133	N136			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
84	M84	N143	N149			RIGID	None	None	RIGID	Typical
85	M85	N144	N150			RIGID	None	None	RIGID	Typical
86	M86	N141	N147			RIGID	None	None	RIGID	Typical
87	M87	N142	N148			RIGID	None	None	RIGID	Typical
88	M88	N139	N145			RIGID	None	None	RIGID	Typical
89	M89	N140	N146			RIGID	None	None	RIGID	Typical
90	MP5B	N153	N156			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
91	MP4B	N152	N155			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
92	MP2B	N151	N154			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
93	M93	N103	N104		330	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
94	M94	N105	N106		240	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
95	M98	N173	N185			RIGID	None	None	RIGID	Typical
96	M99	N174	N186			RIGID	None	None	RIGID	Typical
97	M102	N103	N175			RIGID	None	None	RIGID	Typical
98	M103	N104	N176			RIGID	None	None	RIGID	Typical
99	M106	N105	N177			RIGID	None	None	RIGID	Typical
100	M107	N106	N178			RIGID	None	None	RIGID	Typical
101	EMPTYC	N189	N192		240	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
102	RADIOC	N187	N190		240	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
103	MP3C	N188	N191		240	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
104	M116	N113	N114		210	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
105	M117	N115	N116		120	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
106	M121	N215	N227			RIGID	None	None	RIGID	Typical
107	M122	N216	N228			RIGID	None	None	RIGID	Typical
108	M125	N113	N217			RIGID	None	None	RIGID	Typical
109	M126	N114	N218			RIGID	None	None	RIGID	Typical
110	M129	N115	N219			RIGID	None	None	RIGID	Typical
111	M130	N116	N220			RIGID	None	None	RIGID	Typical
112	EMPTYB	N231	N234		120	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
113	RADIOB	N229	N232		120	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
114	MP3B	N230	N233		120	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
115	M121A	N197	N199			RIGID	None	None	RIGID	Typical
116	M122A	N198	N200			RIGID	None	None	RIGID	Typical
117	MP1C	N201	N202		240	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
118	M124	N203A	N205A			RIGID	None	None	RIGID	Typical
119	M125A	N204A	N206A			RIGID	None	None	RIGID	Typical
120	MP1B	N207A	N208A		120	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
121	M121B	N218A	N165		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
122	M122B	N220A	N219A		180	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
123	M123	N166	N221		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
124	M124A	N224	N207		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
125	M125B	N226	N225		180	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
126	M126A	N208	N227A		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1	OOOXXO	OOOXXO				Yes				None
2	FACE	OOOXXO	OOOXXO				Yes	Default			None
3	M3	BenPIN	BenPIN				Yes				None
4	M4	BenPIN	BenPIN				Yes				None
5	M5	BenPIN	BenPIN				Yes				None
6	M6	BenPIN	BenPIN				Yes				None
7	M7	BenPIN	BenPIN				Yes				None
8	M8	OOOXXO	OOOXXO				Yes				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...
9	M9	OOOOOX	OOOOOX				Yes				None
10	M10	OOOOXO	OOOOXO				Yes				None
11	M11	OOOOOX	OOOOOX				Yes				None
12	M12						Yes				None
13	M13						Yes				None
14	M14		OOOOOO				Yes	** NA **			None
15	M15		OOOOOO				Yes	** NA **			None
16	M16						Yes				None
17	M17						Yes				None
18	M20						Yes				None
19	M21						Yes				None
20	M24						Yes				None
21	M25						Yes				None
22	M26						Yes				None
23	M27						Yes				None
24	M28						Yes				None
25	M29						Yes				None
26	M26A		OOOOOO				Yes	** NA **			None
27	M27A		OOOOOO				Yes	** NA **			None
28	M28A		OOOOOO				Yes	** NA **			None
29	M29A		OOOOOO				Yes	** NA **			None
30	M30	BenPIN	BenPIN				Yes	Default			None
31	M31	BenPIN	BenPIN				Yes	Default			None
32	M32	BenPIN	BenPIN				Yes	Default			None
33	M33	OOOOOX					Yes	** NA **			None
34	M34						Yes	** NA **			None
35	M35		OOOXOO				Yes	** NA **			None
36	LIVE1		OOOXOO				Yes	** NA **			None
37	M37	OOOOOX					Yes	** NA **			None
38	M38						Yes	** NA **			None
39	M39		OOOXOO				Yes	** NA **			None
40	M40		OOOXOO				Yes	** NA **			None
41	M41	OOOOOX					Yes	** NA **			None
42	LIVE2	OOOOOX					Yes	** NA **			None
43	M43		OOOXOO				Yes	** NA **			None
44	M44		OOOXOO				Yes	** NA **			None
45	M45	OOOOOX					Yes	** NA **			None
46	M46	OOOOOX					Yes	** NA **			None
47	EMPTYA						Yes	** NA **			None
48	RADIOA						Yes	** NA **			None
49	MP3A						Yes	** NA **			None
50	MP1A						Yes	** NA **			None
51	MP5A						Yes	** NA **			None
52	MP4A						Yes	** NA **			None
53	MP2A						Yes	** NA **			None
54	M54		BenPIN				Yes				None
55	M55		BenPIN				Yes				None
56	M56		BenPIN				Yes				None
57	M57		BenPIN				Yes				None
58	M58	BenPIN	BenPIN				Yes				None
59	M59	BenPIN	BenPIN				Yes				None
60	M60		BenPIN				Yes				None
61	M61		BenPIN				Yes				None
62	M62		BenPIN				Yes	Default			None
63	M63		BenPIN				Yes				None
64	M64		BenPIN				Yes				None
65	M65	BenPIN	BenPIN				Yes				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...
66	M66		BenPIN				Yes				None
67	M67		BenPIN				Yes				None
68	M68		BenPIN				Yes				None
69	M69		BenPIN				Yes				None
70	M70	BenPIN	BenPIN				Yes				None
71	M71	BenPIN	BenPIN				Yes				None
72	M72						Yes				None
73	M73						Yes				None
74	M74						Yes				None
75	M75		OOOXOO				Yes	** NA **			None
76	M76		OOOXOO				Yes	** NA **			None
77	M77		OOOXOO				Yes	** NA **			None
78	M78		OOOXOO				Yes	** NA **			None
79	M79		OOOXOO				Yes	** NA **			None
80	M80		OOOXOO				Yes	** NA **			None
81	MP5C						Yes	** NA **			None
82	MP4C						Yes	** NA **			None
83	MP2C						Yes	** NA **			None
84	M84		OOOXOO				Yes	** NA **			None
85	M85		OOOXOO				Yes	** NA **			None
86	M86		OOOXOO				Yes	** NA **			None
87	M87		OOOXOO				Yes	** NA **			None
88	M88		OOOXOO				Yes	** NA **			None
89	M89		OOOXOO				Yes	** NA **			None
90	MP5B						Yes	** NA **			None
91	MP4B						Yes	** NA **			None
92	MP2B						Yes	** NA **			None
93	M93	BenPIN	BenPIN				Yes				None
94	M94	BenPIN	BenPIN				Yes				None
95	M98	OOOOOX					Yes	** NA **			None
96	M99	OOOOOX					Yes	** NA **			None
97	M102	OOOOOX					Yes	** NA **			None
98	M103	OOOOOX					Yes	** NA **			None
99	M106	OOOOOX					Yes	** NA **			None
100	M107	OOOOOX					Yes	** NA **			None
101	EMPTYC						Yes	** NA **			None
102	RADIOC						Yes	** NA **			None
103	MP3C						Yes	** NA **			None
104	M116	BenPIN	BenPIN				Yes				None
105	M117	BenPIN	BenPIN				Yes				None
106	M121	OOOOOX					Yes	** NA **			None
107	M122	OOOOOX					Yes	** NA **			None
108	M125	OOOOOX					Yes	** NA **			None
109	M126	OOOOOX					Yes	** NA **			None
110	M129	OOOOOX					Yes	** NA **			None
111	M130	OOOOOX					Yes	** NA **			None
112	EMPTYB						Yes	** NA **			None
113	RADIOB						Yes	** NA **			None
114	MP3B						Yes	** NA **			None
115	M121A	OOOOOX					Yes	** NA **			None
116	M122A	OOOOOX					Yes	** NA **			None
117	MP1C						Yes	** NA **			None
118	M124	OOOOOX					Yes	** NA **			None
119	M125A	OOOOOX					Yes	** NA **			None
120	MP1B						Yes	** NA **			None
121	M121B	BenPIN	BenPIN				Yes				None
122	M122B	BenPIN	BenPIN				Yes				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...
123	M123	BenPIN	BenPIN				Yes				None
124	M124A	BenPIN	BenPIN				Yes				None
125	M125B	BenPIN	BenPIN				Yes				None
126	M126A	BenPIN	BenPIN				Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-43.55	2
2	MP3A	My	-.022	2
3	MP3A	Mz	0	2
4	MP3A	Y	-43.55	3
5	MP3A	My	-.022	3
6	MP3A	Mz	0	3
7	MP3B	Y	-43.55	2
8	MP3B	My	.019	2
9	MP3B	Mz	-.011	2
10	MP3B	Y	-43.55	3
11	MP3B	My	.019	3
12	MP3B	Mz	-.011	3
13	MP3C	Y	-43.55	2
14	MP3C	My	.004	2
15	MP3C	Mz	.021	2
16	MP3C	Y	-43.55	3
17	MP3C	My	.004	3
18	MP3C	Mz	.021	3
19	MP5A	Y	-40.1	.5
20	MP5A	My	-.02	.5
21	MP5A	Mz	-.023	.5
22	MP5A	Y	-40.1	4.5
23	MP5A	My	-.02	4.5
24	MP5A	Mz	-.023	4.5
25	MP5B	Y	-40.1	.5
26	MP5B	My	.029	.5
27	MP5B	Mz	.01	.5
28	MP5B	Y	-40.1	4.5
29	MP5B	My	.029	4.5
30	MP5B	Mz	.01	4.5
31	MP5C	Y	-40.1	.5
32	MP5C	My	-.02	.5
33	MP5C	Mz	.024	.5
34	MP5C	Y	-40.1	4.5
35	MP5C	My	-.02	4.5
36	MP5C	Mz	.024	4.5
37	MP5A	Y	-40.1	.5
38	MP5A	My	-.02	.5
39	MP5A	Mz	.023	.5
40	MP5A	Y	-40.1	4.5
41	MP5A	My	-.02	4.5
42	MP5A	Mz	.023	4.5
43	MP5B	Y	-40.1	.5
44	MP5B	My	.006	.5
45	MP5B	Mz	-.03	.5
46	MP5B	Y	-40.1	4.5
47	MP5B	My	.006	4.5
48	MP5B	Mz	-.03	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
49	MP5C	Y	-40.1	.5
50	MP5C	My	.027	.5
51	MP5C	Mz	.016	.5
52	MP5C	Y	-40.1	4.5
53	MP5C	My	.027	4.5
54	MP5C	Mz	.016	4.5
55	MP1A	Y	-4.95	.5
56	MP1A	My	-.002	.5
57	MP1A	Mz	0	.5
58	MP1A	Y	-4.95	4.5
59	MP1A	My	-.002	4.5
60	MP1A	Mz	0	4.5
61	MP1B	Y	-4.95	.5
62	MP1B	My	.001	.5
63	MP1B	Mz	-.002	.5
64	MP1B	Y	-4.95	4.5
65	MP1B	My	.001	4.5
66	MP1B	Mz	-.002	4.5
67	MP1C	Y	-4.95	.5
68	MP1C	My	.001	.5
69	MP1C	Mz	.002	.5
70	MP1C	Y	-4.95	4.5
71	MP1C	My	.001	4.5
72	MP1C	Mz	.002	4.5
73	MP2A	Y	-16.2	1.5
74	MP2A	My	-.008	1.5
75	MP2A	Mz	0	1.5
76	MP2B	Y	-16.2	1.5
77	MP2B	My	.007	1.5
78	MP2B	Mz	-.004	1.5
79	MP2C	Y	-16.2	1.5
80	MP2C	My	.001	1.5
81	MP2C	Mz	.008	1.5
82	RADIOA	Y	-84.4	.5
83	RADIOA	My	0	.5
84	RADIOA	Mz	0	.5
85	MP4A	Y	-70.3	3
86	MP4A	My	-.035	3
87	MP4A	Mz	0	3
88	MP4B	Y	-70.3	3
89	MP4B	My	.03	3
90	MP4B	Mz	-.018	3
91	MP4C	Y	-70.3	3
92	MP4C	My	.006	3
93	MP4C	Mz	.035	3
94	MP2A	Y	-18.7	3
95	MP2A	My	.009	3
96	MP2A	Mz	0	3
97	MP2B	Y	-18.7	3
98	MP2B	My	-.008	3
99	MP2B	Mz	.005	3
100	MP2C	Y	-18.7	3
101	MP2C	My	-.002	3
102	MP2C	Mz	-.009	3
103	MP3A	Y	-20.8	3
104	MP3A	My	.01	3
105	MP3A	Mz	0	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
106	MP3B	Y	-20.8	3
107	MP3B	My	-0.09	3
108	MP3B	Mz	.005	3
109	MP3C	Y	-20.8	3
110	MP3C	My	-0.02	3
111	MP3C	Mz	-.01	3
112	RADIOB	Y	-84.4	.5
113	RADIOB	My	0	.5
114	RADIOB	Mz	0	.5
115	RADIOC	Y	-84.4	.5
116	RADIOC	My	0	.5
117	RADIOC	Mz	0	.5
118	MP5A	Y	-8.8	3
119	MP5A	My	.009	3
120	MP5A	Mz	-.003	3
121	MP5A	Y	-8.8	4
122	MP5A	My	.009	4
123	MP5A	Mz	-.003	4
124	MP5B	Y	-8.8	3
125	MP5B	My	-.006	3
126	MP5B	Mz	.007	3
127	MP5B	Y	-8.8	4
128	MP5B	My	-.006	4
129	MP5B	Mz	.007	4
130	MP5C	Y	-8.8	3
131	MP5C	My	-.004	3
132	MP5C	Mz	-.008	3
133	MP5C	Y	-8.8	4
134	MP5C	My	-.004	4
135	MP5C	Mz	-.008	4
136	MP5A	Y	-8.8	3
137	MP5A	My	.009	3
138	MP5A	Mz	.003	3
139	MP5A	Y	-8.8	4
140	MP5A	My	.009	4
141	MP5A	Mz	.003	4
142	MP5B	Y	-8.8	3
143	MP5B	My	-.009	3
144	MP5B	Mz	.002	3
145	MP5B	Y	-8.8	4
146	MP5B	My	-.009	4
147	MP5B	Mz	.002	4
148	MP5C	Y	-8.8	3
149	MP5C	My	.001	3
150	MP5C	Mz	-.009	3
151	MP5C	Y	-8.8	4
152	MP5C	My	.001	4
153	MP5C	Mz	-.009	4

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	Y	-35.217	2
2	MP3A	My	-.018	2
3	MP3A	Mz	0	2
4	MP3A	Y	-35.217	3
5	MP3A	My	-.018	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
63	MP1B	Mz	-.015	.5
64	MP1B	Y	-33.712	4.5
65	MP1B	My	.008	4.5
66	MP1B	Mz	-.015	4.5
67	MP1C	Y	-33.712	.5
68	MP1C	My	.008	.5
69	MP1C	Mz	.015	.5
70	MP1C	Y	-33.712	4.5
71	MP1C	My	.008	4.5
72	MP1C	Mz	.015	4.5
73	MP2A	Y	-43.521	1.5
74	MP2A	My	-.022	1.5
75	MP2A	Mz	0	1.5
76	MP2B	Y	-43.521	1.5
77	MP2B	My	.019	1.5
78	MP2B	Mz	-.011	1.5
79	MP2C	Y	-43.521	1.5
80	MP2C	My	.004	1.5
81	MP2C	Mz	.021	1.5
82	RADIOA	Y	-44.393	.5
83	RADIOA	My	0	.5
84	RADIOA	Mz	0	.5
85	MP4A	Y	-39.92	3
86	MP4A	My	-.02	3
87	MP4A	Mz	0	3
88	MP4B	Y	-39.92	3
89	MP4B	My	.017	3
90	MP4B	Mz	-.01	3
91	MP4C	Y	-39.92	3
92	MP4C	My	.003	3
93	MP4C	Mz	.02	3
94	MP2A	Y	-19.6	3
95	MP2A	My	.01	3
96	MP2A	Mz	0	3
97	MP2B	Y	-19.6	3
98	MP2B	My	-.008	3
99	MP2B	Mz	.005	3
100	MP2C	Y	-19.6	3
101	MP2C	My	-.002	3
102	MP2C	Mz	-.01	3
103	MP3A	Y	-17	3
104	MP3A	My	.009	3
105	MP3A	Mz	0	3
106	MP3B	Y	-17	3
107	MP3B	My	-.007	3
108	MP3B	Mz	.004	3
109	MP3C	Y	-17	3
110	MP3C	My	-.001	3
111	MP3C	Mz	-.008	3
112	RADIOB	Y	-44.393	.5
113	RADIOB	My	0	.5
114	RADIOB	Mz	0	.5
115	RADIOC	Y	-44.393	.5
116	RADIOC	My	0	.5
117	RADIOC	Mz	0	.5
118	MP5A	Y	3.3	3
119	MP5A	My	-.003	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
120	MP5A	Mz	.001	3
121	MP5A	Y	3.3	4
122	MP5A	My	-.003	4
123	MP5A	Mz	.001	4
124	MP5B	Y	3.3	3
125	MP5B	My	.002	3
126	MP5B	Mz	-.003	3
127	MP5B	Y	3.3	4
128	MP5B	My	.002	4
129	MP5B	Mz	-.003	4
130	MP5C	Y	3.3	3
131	MP5C	My	.002	3
132	MP5C	Mz	.003	3
133	MP5C	Y	3.3	4
134	MP5C	My	.002	4
135	MP5C	Mz	.003	4
136	MP5A	Y	3.3	3
137	MP5A	My	-.003	3
138	MP5A	Mz	-.001	3
139	MP5A	Y	3.3	4
140	MP5A	My	-.003	4
141	MP5A	Mz	-.001	4
142	MP5B	Y	3.3	3
143	MP5B	My	.003	3
144	MP5B	Mz	-.000697	3
145	MP5B	Y	3.3	4
146	MP5B	My	.003	4
147	MP5B	Mz	-.000697	4
148	MP5C	Y	3.3	3
149	MP5C	My	-.00051	3
150	MP5C	Mz	.003	3
151	MP5C	Y	3.3	4
152	MP5C	My	-.00051	4
153	MP5C	Mz	.003	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	2
2	MP3A	Z	-63.161	2
3	MP3A	Mx	0	2
4	MP3A	X	0	3
5	MP3A	Z	-63.161	3
6	MP3A	Mx	0	3
7	MP3B	X	0	2
8	MP3B	Z	-52.809	2
9	MP3B	Mx	.013	2
10	MP3B	X	0	3
11	MP3B	Z	-52.809	3
12	MP3B	Mx	.013	3
13	MP3C	X	0	2
14	MP3C	Z	-23.001	2
15	MP3C	Mx	-.011	2
16	MP3C	X	0	3
17	MP3C	Z	-23.001	3
18	MP3C	Mx	-.011	3
19	MP5A	X	0	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
20	MP5A	Z	-146.625	.5
21	MP5A	Mx	.086	.5
22	MP5A	X	0	4.5
23	MP5A	Z	-146.625	4.5
24	MP5A	Mx	.086	4.5
25	MP5B	X	0	.5
26	MP5B	Z	-124.711	.5
27	MP5B	Mx	-.032	.5
28	MP5B	X	0	4.5
29	MP5B	Z	-124.711	4.5
30	MP5B	Mx	-.032	4.5
31	MP5C	X	0	.5
32	MP5C	Z	-61.615	.5
33	MP5C	Mx	-.037	.5
34	MP5C	X	0	4.5
35	MP5C	Z	-61.615	4.5
36	MP5C	Mx	-.037	4.5
37	MP5A	X	0	.5
38	MP5A	Z	-146.625	.5
39	MP5A	Mx	-.086	.5
40	MP5A	X	0	4.5
41	MP5A	Z	-146.625	4.5
42	MP5A	Mx	-.086	4.5
43	MP5B	X	0	.5
44	MP5B	Z	-124.711	.5
45	MP5B	Mx	.094	.5
46	MP5B	X	0	4.5
47	MP5B	Z	-124.711	4.5
48	MP5B	Mx	.094	4.5
49	MP5C	X	0	.5
50	MP5C	Z	-61.615	.5
51	MP5C	Mx	-.024	.5
52	MP5C	X	0	4.5
53	MP5C	Z	-61.615	4.5
54	MP5C	Mx	-.024	4.5
55	MP1A	X	0	.5
56	MP1A	Z	-76.051	.5
57	MP1A	Mx	0	.5
58	MP1A	X	0	4.5
59	MP1A	Z	-76.051	4.5
60	MP1A	Mx	0	4.5
61	MP1B	X	0	.5
62	MP1B	Z	-46.181	.5
63	MP1B	Mx	.02	.5
64	MP1B	X	0	4.5
65	MP1B	Z	-46.181	4.5
66	MP1B	Mx	.02	4.5
67	MP1C	X	0	.5
68	MP1C	Z	-46.181	.5
69	MP1C	Mx	-.02	.5
70	MP1C	X	0	4.5
71	MP1C	Z	-46.181	4.5
72	MP1C	Mx	-.02	4.5
73	MP2A	X	0	1.5
74	MP2A	Z	-96.676	1.5
75	MP2A	Mx	0	1.5
76	MP2B	X	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
77	MP2B	Z	-79.495	1.5
78	MP2B	Mx	.02	1.5
79	MP2C	X	0	1.5
80	MP2C	Z	-30.025	1.5
81	MP2C	Mx	-.015	1.5
82	RADIOA	X	0	.5
83	RADIOA	Z	-45.84	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	0	3
86	MP4A	Z	-49.949	3
87	MP4A	Mx	0	3
88	MP4B	X	0	3
89	MP4B	Z	-44.31	3
90	MP4B	Mx	.011	3
91	MP4C	X	0	3
92	MP4C	Z	-28.072	3
93	MP4C	Mx	-.014	3
94	MP2A	X	0	3
95	MP2A	Z	-23.202	3
96	MP2A	Mx	0	3
97	MP2B	X	0	3
98	MP2B	Z	-20.141	3
99	MP2B	Mx	-.005	3
100	MP2C	X	0	3
101	MP2C	Z	-11.326	3
102	MP2C	Mx	.006	3
103	MP3A	X	0	3
104	MP3A	Z	-21.591	3
105	MP3A	Mx	0	3
106	MP3B	X	0	3
107	MP3B	Z	-20.343	3
108	MP3B	Mx	-.005	3
109	MP3C	X	0	3
110	MP3C	Z	-16.752	3
111	MP3C	Mx	.008	3
112	RADIOB	X	0	.5
113	RADIOB	Z	-45.84	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	0	.5
116	RADIOC	Z	-45.84	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	0	3
119	MP5A	Z	-15.468	3
120	MP5A	Mx	.005	3
121	MP5A	X	0	4
122	MP5A	Z	-15.468	4
123	MP5A	Mx	.005	4
124	MP5B	X	0	3
125	MP5B	Z	-15.48	3
126	MP5B	Mx	-.012	3
127	MP5B	X	0	4
128	MP5B	Z	-15.48	4
129	MP5B	Mx	-.012	4
130	MP5C	X	0	3
131	MP5C	Z	-15.512	3
132	MP5C	Mx	.014	3
133	MP5C	X	0	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
134	MP5C	Z	-15.512	4
135	MP5C	Mx	.014	4
136	MP5A	X	0	3
137	MP5A	Z	-15.468	3
138	MP5A	Mx	-.005	3
139	MP5A	X	0	4
140	MP5A	Z	-15.468	4
141	MP5A	Mx	-.005	4
142	MP5B	X	0	3
143	MP5B	Z	-15.48	3
144	MP5B	Mx	-.003	3
145	MP5B	X	0	4
146	MP5B	Z	-15.48	4
147	MP5B	Mx	-.003	4
148	MP5C	X	0	3
149	MP5C	Z	-15.512	3
150	MP5C	Mx	.016	3
151	MP5C	X	0	4
152	MP5C	Z	-15.512	4
153	MP5C	Mx	.016	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	26.405	2
2	MP3A	Z	-45.734	2
3	MP3A	Mx	-.013	2
4	MP3A	X	26.405	3
5	MP3A	Z	-45.734	3
6	MP3A	Mx	-.013	3
7	MP3B	X	16.052	2
8	MP3B	Z	-27.803	2
9	MP3B	Mx	.014	2
10	MP3B	X	16.052	3
11	MP3B	Z	-27.803	3
12	MP3B	Mx	.014	3
13	MP3C	X	19.431	2
14	MP3C	Z	-33.655	2
15	MP3C	Mx	-.015	2
16	MP3C	X	19.431	3
17	MP3C	Z	-33.655	3
18	MP3C	Mx	-.015	3
19	MP5A	X	62.356	.5
20	MP5A	Z	-108.003	.5
21	MP5A	Mx	.032	.5
22	MP5A	X	62.356	4.5
23	MP5A	Z	-108.003	4.5
24	MP5A	Mx	.032	4.5
25	MP5B	X	40.443	.5
26	MP5B	Z	-70.049	.5
27	MP5B	Mx	.011	.5
28	MP5B	X	40.443	4.5
29	MP5B	Z	-70.049	4.5
30	MP5B	Mx	.011	4.5
31	MP5C	X	47.594	.5
32	MP5C	Z	-82.435	.5
33	MP5C	Mx	-.072	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
34	MP5C	X	47.594	4.5
35	MP5C	Z	-82.435	4.5
36	MP5C	Mx	-.072	4.5
37	MP5A	X	62.356	.5
38	MP5A	Z	-108.003	.5
39	MP5A	Mx	-.094	.5
40	MP5A	X	62.356	4.5
41	MP5A	Z	-108.003	4.5
42	MP5A	Mx	-.094	4.5
43	MP5B	X	40.443	.5
44	MP5B	Z	-70.049	.5
45	MP5B	Mx	.059	.5
46	MP5B	X	40.443	4.5
47	MP5B	Z	-70.049	4.5
48	MP5B	Mx	.059	4.5
49	MP5C	X	47.594	.5
50	MP5C	Z	-82.435	.5
51	MP5C	Mx	-.000767	.5
52	MP5C	X	47.594	4.5
53	MP5C	Z	-82.435	4.5
54	MP5C	Mx	-.000767	4.5
55	MP1A	X	33.047	.5
56	MP1A	Z	-57.24	.5
57	MP1A	Mx	-.017	.5
58	MP1A	X	33.047	4.5
59	MP1A	Z	-57.24	4.5
60	MP1A	Mx	-.017	4.5
61	MP1B	X	18.112	.5
62	MP1B	Z	-31.371	.5
63	MP1B	Mx	.018	.5
64	MP1B	X	18.112	4.5
65	MP1B	Z	-31.371	4.5
66	MP1B	Mx	.018	4.5
67	MP1C	X	33.047	.5
68	MP1C	Z	-57.24	.5
69	MP1C	Mx	-.017	.5
70	MP1C	X	33.047	4.5
71	MP1C	Z	-57.24	4.5
72	MP1C	Mx	-.017	4.5
73	MP2A	X	39.747	1.5
74	MP2A	Z	-68.844	1.5
75	MP2A	Mx	-.02	1.5
76	MP2B	X	22.567	1.5
77	MP2B	Z	-39.086	1.5
78	MP2B	Mx	.02	1.5
79	MP2C	X	28.174	1.5
80	MP2C	Z	-48.798	1.5
81	MP2C	Mx	-.022	1.5
82	RADIOA	X	18.811	.5
83	RADIOA	Z	-32.582	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	22.155	3
86	MP4A	Z	-38.373	3
87	MP4A	Mx	-.011	3
88	MP4B	X	16.515	3
89	MP4B	Z	-28.606	3
90	MP4B	Mx	.014	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
91	MP4C	X	18.356	3
92	MP4C	Z	-31.793	3
93	MP4C	Mx	-.014	3
94	MP2A	X	10.07	3
95	MP2A	Z	-17.442	3
96	MP2A	Mx	.005	3
97	MP2B	X	7.009	3
98	MP2B	Z	-12.14	3
99	MP2B	Mx	-.006	3
100	MP2C	X	8.008	3
101	MP2C	Z	-13.87	3
102	MP2C	Mx	.006	3
103	MP3A	X	10.172	3
104	MP3A	Z	-17.618	3
105	MP3A	Mx	.005	3
106	MP3B	X	8.924	3
107	MP3B	Z	-15.457	3
108	MP3B	Mx	-.008	3
109	MP3C	X	9.331	3
110	MP3C	Z	-16.162	3
111	MP3C	Mx	.007	3
112	RADIOB	X	18.811	.5
113	RADIOB	Z	-32.582	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	18.811	.5
116	RADIOC	Z	-32.582	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	7.74	3
119	MP5A	Z	-13.406	3
120	MP5A	Mx	.012	3
121	MP5A	X	7.74	4
122	MP5A	Z	-13.406	4
123	MP5A	Mx	.012	4
124	MP5B	X	7.751	3
125	MP5B	Z	-13.425	3
126	MP5B	Mx	-.016	3
127	MP5B	X	7.751	4
128	MP5B	Z	-13.425	4
129	MP5B	Mx	-.016	4
130	MP5C	X	7.747	3
131	MP5C	Z	-13.419	3
132	MP5C	Mx	.009	3
133	MP5C	X	7.747	4
134	MP5C	Z	-13.419	4
135	MP5C	Mx	.009	4
136	MP5A	X	7.74	3
137	MP5A	Z	-13.406	3
138	MP5A	Mx	.003	3
139	MP5A	X	7.74	4
140	MP5A	Z	-13.406	4
141	MP5A	Mx	.003	4
142	MP5B	X	7.751	3
143	MP5B	Z	-13.425	3
144	MP5B	Mx	-.011	3
145	MP5B	X	7.751	4
146	MP5B	Z	-13.425	4
147	MP5B	Mx	-.011	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
148	MP5C	X	7.747	3
149	MP5C	Z	-13.419	3
150	MP5C	Mx	.015	3
151	MP5C	X	7.747	4
152	MP5C	Z	-13.419	4
153	MP5C	Mx	.015	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	27.803	2
2	MP3A	Z	-16.052	2
3	MP3A	Mx	-.014	2
4	MP3A	X	27.803	3
5	MP3A	Z	-16.052	3
6	MP3A	Mx	-.014	3
7	MP3B	X	18.838	2
8	MP3B	Z	-10.876	2
9	MP3B	Mx	.011	2
10	MP3B	X	18.838	3
11	MP3B	Z	-10.876	3
12	MP3B	Mx	.011	3
13	MP3C	X	50.504	2
14	MP3C	Z	-29.159	2
15	MP3C	Mx	-.01	2
16	MP3C	X	50.504	3
17	MP3C	Z	-29.159	3
18	MP3C	Mx	-.01	3
19	MP5A	X	70.049	.5
20	MP5A	Z	-40.443	.5
21	MP5A	Mx	-.011	.5
22	MP5A	X	70.049	4.5
23	MP5A	Z	-40.443	4.5
24	MP5A	Mx	-.011	4.5
25	MP5B	X	51.071	.5
26	MP5B	Z	-29.486	.5
27	MP5B	Mx	.029	.5
28	MP5B	X	51.071	4.5
29	MP5B	Z	-29.486	4.5
30	MP5B	Mx	.029	4.5
31	MP5C	X	118.101	.5
32	MP5C	Z	-68.186	.5
33	MP5C	Mx	-.098	.5
34	MP5C	X	118.101	4.5
35	MP5C	Z	-68.186	4.5
36	MP5C	Mx	-.098	4.5
37	MP5A	X	70.049	.5
38	MP5A	Z	-40.443	.5
39	MP5A	Mx	-.059	.5
40	MP5A	X	70.049	4.5
41	MP5A	Z	-40.443	4.5
42	MP5A	Mx	-.059	4.5
43	MP5B	X	51.071	.5
44	MP5B	Z	-29.486	.5
45	MP5B	Mx	.029	.5
46	MP5B	X	51.071	4.5
47	MP5B	Z	-29.486	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
48	MP5B	Mx	.029	4.5
49	MP5C	X	118.101	.5
50	MP5C	Z	-68.186	.5
51	MP5C	Mx	.051	.5
52	MP5C	X	118.101	4.5
53	MP5C	Z	-68.186	4.5
54	MP5C	Mx	.051	4.5
55	MP1A	X	39.994	.5
56	MP1A	Z	-23.091	.5
57	MP1A	Mx	-.02	.5
58	MP1A	X	39.994	4.5
59	MP1A	Z	-23.091	4.5
60	MP1A	Mx	-.02	4.5
61	MP1B	X	39.994	.5
62	MP1B	Z	-23.091	.5
63	MP1B	Mx	.02	.5
64	MP1B	X	39.994	4.5
65	MP1B	Z	-23.091	4.5
66	MP1B	Mx	.02	4.5
67	MP1C	X	65.862	.5
68	MP1C	Z	-38.026	.5
69	MP1C	Mx	0	.5
70	MP1C	X	65.862	4.5
71	MP1C	Z	-38.026	4.5
72	MP1C	Mx	0	4.5
73	MP2A	X	39.086	1.5
74	MP2A	Z	-22.567	1.5
75	MP2A	Mx	-.02	1.5
76	MP2B	X	24.207	1.5
77	MP2B	Z	-13.976	1.5
78	MP2B	Mx	.014	1.5
79	MP2C	X	76.761	1.5
80	MP2C	Z	-44.318	1.5
81	MP2C	Mx	-.015	1.5
82	RADIOA	X	29.024	.5
83	RADIOA	Z	-16.757	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	28.606	3
86	MP4A	Z	-16.515	3
87	MP4A	Mx	-.014	3
88	MP4B	X	23.722	3
89	MP4B	Z	-13.696	3
90	MP4B	Mx	.014	3
91	MP4C	X	40.972	3
92	MP4C	Z	-23.655	3
93	MP4C	Mx	-.008	3
94	MP2A	X	12.14	3
95	MP2A	Z	-7.009	3
96	MP2A	Mx	.006	3
97	MP2B	X	9.489	3
98	MP2B	Z	-5.478	3
99	MP2B	Mx	-.005	3
100	MP2C	X	18.853	3
101	MP2C	Z	-10.885	3
102	MP2C	Mx	.004	3
103	MP3A	X	15.457	3
104	MP3A	Z	-8.924	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
105	MP3A	Mx	.008	3
106	MP3B	X	14.377	3
107	MP3B	Z	-8.301	3
108	MP3B	Mx	-.008	3
109	MP3C	X	18.193	3
110	MP3C	Z	-10.504	3
111	MP3C	Mx	.004	3
112	RADIOB	X	29.024	.5
113	RADIOB	Z	-16.757	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	29.024	.5
116	RADIOC	Z	-16.757	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	13.425	3
119	MP5A	Z	-7.751	3
120	MP5A	Mx	.016	3
121	MP5A	X	13.425	4
122	MP5A	Z	-7.751	4
123	MP5A	Mx	.016	4
124	MP5B	X	13.435	3
125	MP5B	Z	-7.757	3
126	MP5B	Mx	-.016	3
127	MP5B	X	13.435	4
128	MP5B	Z	-7.757	4
129	MP5B	Mx	-.016	4
130	MP5C	X	13.4	3
131	MP5C	Z	-7.737	3
132	MP5C	Mx	.000446	3
133	MP5C	X	13.4	4
134	MP5C	Z	-7.737	4
135	MP5C	Mx	.000446	4
136	MP5A	X	13.425	3
137	MP5A	Z	-7.751	3
138	MP5A	Mx	.011	3
139	MP5A	X	13.425	4
140	MP5A	Z	-7.751	4
141	MP5A	Mx	.011	4
142	MP5B	X	13.435	3
143	MP5B	Z	-7.757	3
144	MP5B	Mx	-.016	3
145	MP5B	X	13.435	4
146	MP5B	Z	-7.757	4
147	MP5B	Mx	-.016	4
148	MP5C	X	13.4	3
149	MP5C	Z	-7.737	3
150	MP5C	Mx	.01	3
151	MP5C	X	13.4	4
152	MP5C	Z	-7.737	4
153	MP5C	Mx	.01	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	21.752	2
2	MP3A	Z	0	2
3	MP3A	Mx	-.011	2
4	MP3A	X	21.752	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
62	MP1B	Z	0	.5
63	MP1B	Mx	.017	.5
64	MP1B	X	66.095	4.5
65	MP1B	Z	0	4.5
66	MP1B	Mx	.017	4.5
67	MP1C	X	66.095	.5
68	MP1C	Z	0	.5
69	MP1C	Mx	.017	.5
70	MP1C	X	66.095	4.5
71	MP1C	Z	0	4.5
72	MP1C	Mx	.017	4.5
73	MP2A	X	27.952	1.5
74	MP2A	Z	0	1.5
75	MP2A	Mx	-.014	1.5
76	MP2B	X	45.133	1.5
77	MP2B	Z	0	1.5
78	MP2B	Mx	.02	1.5
79	MP2C	X	94.603	1.5
80	MP2C	Z	0	1.5
81	MP2C	Mx	.008	1.5
82	RADIOA	X	37.623	.5
83	RADIOA	Z	0	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	27.391	3
86	MP4A	Z	0	3
87	MP4A	Mx	-.014	3
88	MP4B	X	33.031	3
89	MP4B	Z	0	3
90	MP4B	Mx	.014	3
91	MP4C	X	49.269	3
92	MP4C	Z	0	3
93	MP4C	Mx	.004	3
94	MP2A	X	10.957	3
95	MP2A	Z	0	3
96	MP2A	Mx	.005	3
97	MP2B	X	14.018	3
98	MP2B	Z	0	3
99	MP2B	Mx	-.006	3
100	MP2C	X	22.833	3
101	MP2C	Z	0	3
102	MP2C	Mx	-.002	3
103	MP3A	X	16.601	3
104	MP3A	Z	0	3
105	MP3A	Mx	.008	3
106	MP3B	X	17.849	3
107	MP3B	Z	0	3
108	MP3B	Mx	-.008	3
109	MP3C	X	21.44	3
110	MP3C	Z	0	3
111	MP3C	Mx	-.002	3
112	RADIOB	X	37.623	.5
113	RADIOB	Z	0	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	37.623	.5
116	RADIOC	Z	0	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	15.514	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
119	MP5A	Z	0	3
120	MP5A	Mx	.016	3
121	MP5A	X	15.514	4
122	MP5A	Z	0	4
123	MP5A	Mx	.016	4
124	MP5B	X	15.502	3
125	MP5B	Z	0	3
126	MP5B	Mx	-.011	3
127	MP5B	X	15.502	4
128	MP5B	Z	0	4
129	MP5B	Mx	-.011	4
130	MP5C	X	15.469	3
131	MP5C	Z	0	3
132	MP5C	Mx	-.008	3
133	MP5C	X	15.469	4
134	MP5C	Z	0	4
135	MP5C	Mx	-.008	4
136	MP5A	X	15.514	3
137	MP5A	Z	0	3
138	MP5A	Mx	.016	3
139	MP5A	X	15.514	4
140	MP5A	Z	0	4
141	MP5A	Mx	.016	4
142	MP5B	X	15.502	3
143	MP5B	Z	0	3
144	MP5B	Mx	-.016	3
145	MP5B	X	15.502	4
146	MP5B	Z	0	4
147	MP5B	Mx	-.016	4
148	MP5C	X	15.469	3
149	MP5C	Z	0	3
150	MP5C	Mx	.002	3
151	MP5C	X	15.469	4
152	MP5C	Z	0	4
153	MP5C	Mx	.002	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	27.803	2
2	MP3A	Z	16.052	2
3	MP3A	Mx	-.014	2
4	MP3A	X	27.803	3
5	MP3A	Z	16.052	3
6	MP3A	Mx	-.014	3
7	MP3B	X	45.734	2
8	MP3B	Z	26.405	2
9	MP3B	Mx	.013	2
10	MP3B	X	45.734	3
11	MP3B	Z	26.405	3
12	MP3B	Mx	.013	3
13	MP3C	X	39.882	2
14	MP3C	Z	23.026	2
15	MP3C	Mx	.015	2
16	MP3C	X	39.882	3
17	MP3C	Z	23.026	3
18	MP3C	Mx	.015	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
19	MP5A	X	70.049	.5
20	MP5A	Z	40.443	.5
21	MP5A	Mx	-.059	.5
22	MP5A	X	70.049	4.5
23	MP5A	Z	40.443	4.5
24	MP5A	Mx	-.059	4.5
25	MP5B	X	108.003	.5
26	MP5B	Z	62.356	.5
27	MP5B	Mx	.094	.5
28	MP5B	X	108.003	4.5
29	MP5B	Z	62.356	4.5
30	MP5B	Mx	.094	4.5
31	MP5C	X	95.617	.5
32	MP5C	Z	55.204	.5
33	MP5C	Mx	-.014	.5
34	MP5C	X	95.617	4.5
35	MP5C	Z	55.204	4.5
36	MP5C	Mx	-.014	4.5
37	MP5A	X	70.049	.5
38	MP5A	Z	40.443	.5
39	MP5A	Mx	-.011	.5
40	MP5A	X	70.049	4.5
41	MP5A	Z	40.443	4.5
42	MP5A	Mx	-.011	4.5
43	MP5B	X	108.003	.5
44	MP5B	Z	62.356	.5
45	MP5B	Mx	-.032	.5
46	MP5B	X	108.003	4.5
47	MP5B	Z	62.356	4.5
48	MP5B	Mx	-.032	4.5
49	MP5C	X	95.617	.5
50	MP5C	Z	55.204	.5
51	MP5C	Mx	.085	.5
52	MP5C	X	95.617	4.5
53	MP5C	Z	55.204	4.5
54	MP5C	Mx	.085	4.5
55	MP1A	X	39.994	.5
56	MP1A	Z	23.091	.5
57	MP1A	Mx	-.02	.5
58	MP1A	X	39.994	4.5
59	MP1A	Z	23.091	4.5
60	MP1A	Mx	-.02	4.5
61	MP1B	X	65.862	.5
62	MP1B	Z	38.026	.5
63	MP1B	Mx	0	.5
64	MP1B	X	65.862	4.5
65	MP1B	Z	38.026	4.5
66	MP1B	Mx	0	4.5
67	MP1C	X	39.994	.5
68	MP1C	Z	23.091	.5
69	MP1C	Mx	.02	.5
70	MP1C	X	39.994	4.5
71	MP1C	Z	23.091	4.5
72	MP1C	Mx	.02	4.5
73	MP2A	X	39.086	1.5
74	MP2A	Z	22.567	1.5
75	MP2A	Mx	-.02	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
76	MP2B	X	68.844	1.5
77	MP2B	Z	39.747	1.5
78	MP2B	Mx	.02	1.5
79	MP2C	X	59.133	1.5
80	MP2C	Z	34.14	1.5
81	MP2C	Mx	.022	1.5
82	RADIOA	X	39.699	.5
83	RADIOA	Z	22.92	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	28.606	3
86	MP4A	Z	16.515	3
87	MP4A	Mx	-.014	3
88	MP4B	X	38.373	3
89	MP4B	Z	22.155	3
90	MP4B	Mx	.011	3
91	MP4C	X	35.186	3
92	MP4C	Z	20.314	3
93	MP4C	Mx	.013	3
94	MP2A	X	12.14	3
95	MP2A	Z	7.009	3
96	MP2A	Mx	.006	3
97	MP2B	X	17.442	3
98	MP2B	Z	10.07	3
99	MP2B	Mx	-.005	3
100	MP2C	X	15.712	3
101	MP2C	Z	9.071	3
102	MP2C	Mx	-.006	3
103	MP3A	X	15.457	3
104	MP3A	Z	8.924	3
105	MP3A	Mx	.008	3
106	MP3B	X	17.618	3
107	MP3B	Z	10.172	3
108	MP3B	Mx	-.005	3
109	MP3C	X	16.913	3
110	MP3C	Z	9.765	3
111	MP3C	Mx	-.006	3
112	RADIOB	X	39.699	.5
113	RADIOB	Z	22.92	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	39.699	.5
116	RADIOC	Z	22.92	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	13.425	3
119	MP5A	Z	7.751	3
120	MP5A	Mx	.011	3
121	MP5A	X	13.425	4
122	MP5A	Z	7.751	4
123	MP5A	Mx	.011	4
124	MP5B	X	13.406	3
125	MP5B	Z	7.74	3
126	MP5B	Mx	-.003	3
127	MP5B	X	13.406	4
128	MP5B	Z	7.74	4
129	MP5B	Mx	-.003	4
130	MP5C	X	13.412	3
131	MP5C	Z	7.743	3
132	MP5C	Mx	-.014	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
133	MP5C	X	13.412	4
134	MP5C	Z	7.743	4
135	MP5C	Mx	-.014	4
136	MP5A	X	13.425	3
137	MP5A	Z	7.751	3
138	MP5A	Mx	.016	3
139	MP5A	X	13.425	4
140	MP5A	Z	7.751	4
141	MP5A	Mx	.016	4
142	MP5B	X	13.406	3
143	MP5B	Z	7.74	3
144	MP5B	Mx	-.012	3
145	MP5B	X	13.406	4
146	MP5B	Z	7.74	4
147	MP5B	Mx	-.012	4
148	MP5C	X	13.412	3
149	MP5C	Z	7.743	3
150	MP5C	Mx	-.006	3
151	MP5C	X	13.412	4
152	MP5C	Z	7.743	4
153	MP5C	Mx	-.006	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	26.405	2
2	MP3A	Z	45.734	2
3	MP3A	Mx	-.013	2
4	MP3A	X	26.405	3
5	MP3A	Z	45.734	3
6	MP3A	Mx	-.013	3
7	MP3B	X	31.581	2
8	MP3B	Z	54.699	2
9	MP3B	Mx	0	2
10	MP3B	X	31.581	3
11	MP3B	Z	54.699	3
12	MP3B	Mx	0	3
13	MP3C	X	13.298	2
14	MP3C	Z	23.033	2
15	MP3C	Mx	.012	2
16	MP3C	X	13.298	3
17	MP3C	Z	23.033	3
18	MP3C	Mx	.012	3
19	MP5A	X	62.356	.5
20	MP5A	Z	108.003	.5
21	MP5A	Mx	-.094	.5
22	MP5A	X	62.356	4.5
23	MP5A	Z	108.003	4.5
24	MP5A	Mx	-.094	4.5
25	MP5B	X	73.312	.5
26	MP5B	Z	126.981	.5
27	MP5B	Mx	.086	.5
28	MP5B	X	73.312	4.5
29	MP5B	Z	126.981	4.5
30	MP5B	Mx	.086	4.5
31	MP5C	X	34.613	.5
32	MP5C	Z	59.951	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
33	MP5C	Mx	.019	.5
34	MP5C	X	34.613	4.5
35	MP5C	Z	59.951	4.5
36	MP5C	Mx	.019	4.5
37	MP5A	X	62.356	.5
38	MP5A	Z	108.003	.5
39	MP5A	Mx	.032	.5
40	MP5A	X	62.356	4.5
41	MP5A	Z	108.003	4.5
42	MP5A	Mx	.032	4.5
43	MP5B	X	73.312	.5
44	MP5B	Z	126.981	.5
45	MP5B	Mx	-.086	.5
46	MP5B	X	73.312	4.5
47	MP5B	Z	126.981	4.5
48	MP5B	Mx	-.086	4.5
49	MP5C	X	34.613	.5
50	MP5C	Z	59.951	.5
51	MP5C	Mx	.046	.5
52	MP5C	X	34.613	4.5
53	MP5C	Z	59.951	4.5
54	MP5C	Mx	.046	4.5
55	MP1A	X	33.047	.5
56	MP1A	Z	57.24	.5
57	MP1A	Mx	-.017	.5
58	MP1A	X	33.047	4.5
59	MP1A	Z	57.24	4.5
60	MP1A	Mx	-.017	4.5
61	MP1B	X	33.047	.5
62	MP1B	Z	57.24	.5
63	MP1B	Mx	-.017	.5
64	MP1B	X	33.047	4.5
65	MP1B	Z	57.24	4.5
66	MP1B	Mx	-.017	4.5
67	MP1C	X	18.112	.5
68	MP1C	Z	31.371	.5
69	MP1C	Mx	.018	.5
70	MP1C	X	18.112	4.5
71	MP1C	Z	31.371	4.5
72	MP1C	Mx	.018	4.5
73	MP2A	X	39.747	1.5
74	MP2A	Z	68.844	1.5
75	MP2A	Mx	-.02	1.5
76	MP2B	X	48.338	1.5
77	MP2B	Z	83.724	1.5
78	MP2B	Mx	0	1.5
79	MP2C	X	17.996	1.5
80	MP2C	Z	31.17	1.5
81	MP2C	Mx	.017	1.5
82	RADIOA	X	24.975	.5
83	RADIOA	Z	43.257	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	22.155	3
86	MP4A	Z	38.373	3
87	MP4A	Mx	-.011	3
88	MP4B	X	24.975	3
89	MP4B	Z	43.257	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
90	MP4B	Mx	0	3
91	MP4C	X	15.015	3
92	MP4C	Z	26.007	3
93	MP4C	Mx	.014	3
94	MP2A	X	10.07	3
95	MP2A	Z	17.442	3
96	MP2A	Mx	.005	3
97	MP2B	X	11.601	3
98	MP2B	Z	20.094	3
99	MP2B	Mx	0	3
100	MP2C	X	6.195	3
101	MP2C	Z	10.729	3
102	MP2C	Mx	-.006	3
103	MP3A	X	10.172	3
104	MP3A	Z	17.618	3
105	MP3A	Mx	.005	3
106	MP3B	X	10.795	3
107	MP3B	Z	18.698	3
108	MP3B	Mx	0	3
109	MP3C	X	8.592	3
110	MP3C	Z	14.883	3
111	MP3C	Mx	-.008	3
112	RADIOB	X	24.975	.5
113	RADIOB	Z	43.257	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	24.975	.5
116	RADIOC	Z	43.257	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	7.74	3
119	MP5A	Z	13.406	3
120	MP5A	Mx	.003	3
121	MP5A	X	7.74	4
122	MP5A	Z	13.406	4
123	MP5A	Mx	.003	4
124	MP5B	X	7.734	3
125	MP5B	Z	13.396	3
126	MP5B	Mx	.005	3
127	MP5B	X	7.734	4
128	MP5B	Z	13.396	4
129	MP5B	Mx	.005	4
130	MP5C	X	7.754	3
131	MP5C	Z	13.431	3
132	MP5C	Mx	-.016	3
133	MP5C	X	7.754	4
134	MP5C	Z	13.431	4
135	MP5C	Mx	-.016	4
136	MP5A	X	7.74	3
137	MP5A	Z	13.406	3
138	MP5A	Mx	.012	3
139	MP5A	X	7.74	4
140	MP5A	Z	13.406	4
141	MP5A	Mx	.012	4
142	MP5B	X	7.734	3
143	MP5B	Z	13.396	3
144	MP5B	Mx	-.005	3
145	MP5B	X	7.734	4
146	MP5B	Z	13.396	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
147	MP5B	Mx	-.005	4
148	MP5C	X	7.754	3
149	MP5C	Z	13.431	3
150	MP5C	Mx	-.013	3
151	MP5C	X	7.754	4
152	MP5C	Z	13.431	4
153	MP5C	Mx	-.013	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	2
2	MP3A	Z	63.161	2
3	MP3A	Mx	0	2
4	MP3A	X	0	3
5	MP3A	Z	63.161	3
6	MP3A	Mx	0	3
7	MP3B	X	0	2
8	MP3B	Z	52.809	2
9	MP3B	Mx	-.013	2
10	MP3B	X	0	3
11	MP3B	Z	52.809	3
12	MP3B	Mx	-.013	3
13	MP3C	X	0	2
14	MP3C	Z	23.001	2
15	MP3C	Mx	.011	2
16	MP3C	X	0	3
17	MP3C	Z	23.001	3
18	MP3C	Mx	.011	3
19	MP5A	X	0	.5
20	MP5A	Z	146.625	.5
21	MP5A	Mx	-.086	.5
22	MP5A	X	0	4.5
23	MP5A	Z	146.625	4.5
24	MP5A	Mx	-.086	4.5
25	MP5B	X	0	.5
26	MP5B	Z	124.711	.5
27	MP5B	Mx	.032	.5
28	MP5B	X	0	4.5
29	MP5B	Z	124.711	4.5
30	MP5B	Mx	.032	4.5
31	MP5C	X	0	.5
32	MP5C	Z	61.615	.5
33	MP5C	Mx	.037	.5
34	MP5C	X	0	4.5
35	MP5C	Z	61.615	4.5
36	MP5C	Mx	.037	4.5
37	MP5A	X	0	.5
38	MP5A	Z	146.625	.5
39	MP5A	Mx	.086	.5
40	MP5A	X	0	4.5
41	MP5A	Z	146.625	4.5
42	MP5A	Mx	.086	4.5
43	MP5B	X	0	.5
44	MP5B	Z	124.711	.5
45	MP5B	Mx	-.094	.5
46	MP5B	X	0	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
47	MP5B	Z	124.711	4.5
48	MP5B	Mx	-.094	4.5
49	MP5C	X	0	.5
50	MP5C	Z	61.615	.5
51	MP5C	Mx	.024	.5
52	MP5C	X	0	4.5
53	MP5C	Z	61.615	4.5
54	MP5C	Mx	.024	4.5
55	MP1A	X	0	.5
56	MP1A	Z	76.051	.5
57	MP1A	Mx	0	.5
58	MP1A	X	0	4.5
59	MP1A	Z	76.051	4.5
60	MP1A	Mx	0	4.5
61	MP1B	X	0	.5
62	MP1B	Z	46.181	.5
63	MP1B	Mx	-.02	.5
64	MP1B	X	0	4.5
65	MP1B	Z	46.181	4.5
66	MP1B	Mx	-.02	4.5
67	MP1C	X	0	.5
68	MP1C	Z	46.181	.5
69	MP1C	Mx	.02	.5
70	MP1C	X	0	4.5
71	MP1C	Z	46.181	4.5
72	MP1C	Mx	.02	4.5
73	MP2A	X	0	1.5
74	MP2A	Z	96.676	1.5
75	MP2A	Mx	0	1.5
76	MP2B	X	0	1.5
77	MP2B	Z	79.495	1.5
78	MP2B	Mx	-.02	1.5
79	MP2C	X	0	1.5
80	MP2C	Z	30.025	1.5
81	MP2C	Mx	.015	1.5
82	RADIOA	X	0	.5
83	RADIOA	Z	45.84	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	0	3
86	MP4A	Z	49.949	3
87	MP4A	Mx	0	3
88	MP4B	X	0	3
89	MP4B	Z	44.31	3
90	MP4B	Mx	-.011	3
91	MP4C	X	0	3
92	MP4C	Z	28.072	3
93	MP4C	Mx	.014	3
94	MP2A	X	0	3
95	MP2A	Z	23.202	3
96	MP2A	Mx	0	3
97	MP2B	X	0	3
98	MP2B	Z	20.141	3
99	MP2B	Mx	.005	3
100	MP2C	X	0	3
101	MP2C	Z	11.326	3
102	MP2C	Mx	-.006	3
103	MP3A	X	0	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
104	MP3A	Z	21.591	3
105	MP3A	Mx	0	3
106	MP3B	X	0	3
107	MP3B	Z	20.343	3
108	MP3B	Mx	.005	3
109	MP3C	X	0	3
110	MP3C	Z	16.752	3
111	MP3C	Mx	-.008	3
112	RADIOB	X	0	.5
113	RADIOB	Z	45.84	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	0	.5
116	RADIOC	Z	45.84	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	0	3
119	MP5A	Z	15.468	3
120	MP5A	Mx	-.005	3
121	MP5A	X	0	4
122	MP5A	Z	15.468	4
123	MP5A	Mx	-.005	4
124	MP5B	X	0	3
125	MP5B	Z	15.48	3
126	MP5B	Mx	.012	3
127	MP5B	X	0	4
128	MP5B	Z	15.48	4
129	MP5B	Mx	.012	4
130	MP5C	X	0	3
131	MP5C	Z	15.512	3
132	MP5C	Mx	-.014	3
133	MP5C	X	0	4
134	MP5C	Z	15.512	4
135	MP5C	Mx	-.014	4
136	MP5A	X	0	3
137	MP5A	Z	15.468	3
138	MP5A	Mx	.005	3
139	MP5A	X	0	4
140	MP5A	Z	15.468	4
141	MP5A	Mx	.005	4
142	MP5B	X	0	3
143	MP5B	Z	15.48	3
144	MP5B	Mx	.003	3
145	MP5B	X	0	4
146	MP5B	Z	15.48	4
147	MP5B	Mx	.003	4
148	MP5C	X	0	3
149	MP5C	Z	15.512	3
150	MP5C	Mx	-.016	3
151	MP5C	X	0	4
152	MP5C	Z	15.512	4
153	MP5C	Mx	-.016	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-26.405	2
2	MP3A	Z	45.734	2
3	MP3A	Mx	.013	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
4	MP3A	X	-26.405	3
5	MP3A	Z	45.734	3
6	MP3A	Mx	.013	3
7	MP3B	X	-16.052	2
8	MP3B	Z	27.803	2
9	MP3B	Mx	-.014	2
10	MP3B	X	-16.052	3
11	MP3B	Z	27.803	3
12	MP3B	Mx	-.014	3
13	MP3C	X	-19.431	2
14	MP3C	Z	33.655	2
15	MP3C	Mx	.015	2
16	MP3C	X	-19.431	3
17	MP3C	Z	33.655	3
18	MP3C	Mx	.015	3
19	MP5A	X	-62.356	.5
20	MP5A	Z	108.003	.5
21	MP5A	Mx	-.032	.5
22	MP5A	X	-62.356	4.5
23	MP5A	Z	108.003	4.5
24	MP5A	Mx	-.032	4.5
25	MP5B	X	-40.443	.5
26	MP5B	Z	70.049	.5
27	MP5B	Mx	-.011	.5
28	MP5B	X	-40.443	4.5
29	MP5B	Z	70.049	4.5
30	MP5B	Mx	-.011	4.5
31	MP5C	X	-47.594	.5
32	MP5C	Z	82.435	.5
33	MP5C	Mx	.072	.5
34	MP5C	X	-47.594	4.5
35	MP5C	Z	82.435	4.5
36	MP5C	Mx	.072	4.5
37	MP5A	X	-62.356	.5
38	MP5A	Z	108.003	.5
39	MP5A	Mx	.094	.5
40	MP5A	X	-62.356	4.5
41	MP5A	Z	108.003	4.5
42	MP5A	Mx	.094	4.5
43	MP5B	X	-40.443	.5
44	MP5B	Z	70.049	.5
45	MP5B	Mx	-.059	.5
46	MP5B	X	-40.443	4.5
47	MP5B	Z	70.049	4.5
48	MP5B	Mx	-.059	4.5
49	MP5C	X	-47.594	.5
50	MP5C	Z	82.435	.5
51	MP5C	Mx	.000767	.5
52	MP5C	X	-47.594	4.5
53	MP5C	Z	82.435	4.5
54	MP5C	Mx	.000767	4.5
55	MP1A	X	-33.047	.5
56	MP1A	Z	57.24	.5
57	MP1A	Mx	.017	.5
58	MP1A	X	-33.047	4.5
59	MP1A	Z	57.24	4.5
60	MP1A	Mx	.017	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
61	MP1B	X	-18.112	.5
62	MP1B	Z	31.371	.5
63	MP1B	Mx	-.018	.5
64	MP1B	X	-18.112	4.5
65	MP1B	Z	31.371	4.5
66	MP1B	Mx	-.018	4.5
67	MP1C	X	-33.047	.5
68	MP1C	Z	57.24	.5
69	MP1C	Mx	.017	.5
70	MP1C	X	-33.047	4.5
71	MP1C	Z	57.24	4.5
72	MP1C	Mx	.017	4.5
73	MP2A	X	-39.747	1.5
74	MP2A	Z	68.844	1.5
75	MP2A	Mx	.02	1.5
76	MP2B	X	-22.567	1.5
77	MP2B	Z	39.086	1.5
78	MP2B	Mx	-.02	1.5
79	MP2C	X	-28.174	1.5
80	MP2C	Z	48.798	1.5
81	MP2C	Mx	.022	1.5
82	RADIOA	X	-18.811	.5
83	RADIOA	Z	32.582	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	-22.155	3
86	MP4A	Z	38.373	3
87	MP4A	Mx	.011	3
88	MP4B	X	-16.515	3
89	MP4B	Z	28.606	3
90	MP4B	Mx	-.014	3
91	MP4C	X	-18.356	3
92	MP4C	Z	31.793	3
93	MP4C	Mx	.014	3
94	MP2A	X	-10.07	3
95	MP2A	Z	17.442	3
96	MP2A	Mx	-.005	3
97	MP2B	X	-7.009	3
98	MP2B	Z	12.14	3
99	MP2B	Mx	.006	3
100	MP2C	X	-8.008	3
101	MP2C	Z	13.87	3
102	MP2C	Mx	-.006	3
103	MP3A	X	-10.172	3
104	MP3A	Z	17.618	3
105	MP3A	Mx	-.005	3
106	MP3B	X	-8.924	3
107	MP3B	Z	15.457	3
108	MP3B	Mx	.008	3
109	MP3C	X	-9.331	3
110	MP3C	Z	16.162	3
111	MP3C	Mx	-.007	3
112	RADIOB	X	-18.811	.5
113	RADIOB	Z	32.582	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	-18.811	.5
116	RADIOC	Z	32.582	.5
117	RADIOC	Mx	0	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
118	MP5A	X	-7.74	3
119	MP5A	Z	13.406	3
120	MP5A	Mx	-.012	3
121	MP5A	X	-7.74	4
122	MP5A	Z	13.406	4
123	MP5A	Mx	-.012	4
124	MP5B	X	-7.751	3
125	MP5B	Z	13.425	3
126	MP5B	Mx	.016	3
127	MP5B	X	-7.751	4
128	MP5B	Z	13.425	4
129	MP5B	Mx	.016	4
130	MP5C	X	-7.747	3
131	MP5C	Z	13.419	3
132	MP5C	Mx	-.009	3
133	MP5C	X	-7.747	4
134	MP5C	Z	13.419	4
135	MP5C	Mx	-.009	4
136	MP5A	X	-7.74	3
137	MP5A	Z	13.406	3
138	MP5A	Mx	-.003	3
139	MP5A	X	-7.74	4
140	MP5A	Z	13.406	4
141	MP5A	Mx	-.003	4
142	MP5B	X	-7.751	3
143	MP5B	Z	13.425	3
144	MP5B	Mx	.011	3
145	MP5B	X	-7.751	4
146	MP5B	Z	13.425	4
147	MP5B	Mx	.011	4
148	MP5C	X	-7.747	3
149	MP5C	Z	13.419	3
150	MP5C	Mx	-.015	3
151	MP5C	X	-7.747	4
152	MP5C	Z	13.419	4
153	MP5C	Mx	-.015	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-27.803	2
2	MP3A	Z	16.052	2
3	MP3A	Mx	.014	2
4	MP3A	X	-27.803	3
5	MP3A	Z	16.052	3
6	MP3A	Mx	.014	3
7	MP3B	X	-18.838	2
8	MP3B	Z	10.876	2
9	MP3B	Mx	-.011	2
10	MP3B	X	-18.838	3
11	MP3B	Z	10.876	3
12	MP3B	Mx	-.011	3
13	MP3C	X	-50.504	2
14	MP3C	Z	29.159	2
15	MP3C	Mx	.01	2
16	MP3C	X	-50.504	3
17	MP3C	Z	29.159	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
18	MP3C	Mx	.01	3
19	MP5A	X	-70.049	.5
20	MP5A	Z	40.443	.5
21	MP5A	Mx	.011	.5
22	MP5A	X	-70.049	4.5
23	MP5A	Z	40.443	4.5
24	MP5A	Mx	.011	4.5
25	MP5B	X	-51.071	.5
26	MP5B	Z	29.486	.5
27	MP5B	Mx	-.029	.5
28	MP5B	X	-51.071	4.5
29	MP5B	Z	29.486	4.5
30	MP5B	Mx	-.029	4.5
31	MP5C	X	-118.101	.5
32	MP5C	Z	68.186	.5
33	MP5C	Mx	.098	.5
34	MP5C	X	-118.101	4.5
35	MP5C	Z	68.186	4.5
36	MP5C	Mx	.098	4.5
37	MP5A	X	-70.049	.5
38	MP5A	Z	40.443	.5
39	MP5A	Mx	.059	.5
40	MP5A	X	-70.049	4.5
41	MP5A	Z	40.443	4.5
42	MP5A	Mx	.059	4.5
43	MP5B	X	-51.071	.5
44	MP5B	Z	29.486	.5
45	MP5B	Mx	-.029	.5
46	MP5B	X	-51.071	4.5
47	MP5B	Z	29.486	4.5
48	MP5B	Mx	-.029	4.5
49	MP5C	X	-118.101	.5
50	MP5C	Z	68.186	.5
51	MP5C	Mx	-.051	.5
52	MP5C	X	-118.101	4.5
53	MP5C	Z	68.186	4.5
54	MP5C	Mx	-.051	4.5
55	MP1A	X	-39.994	.5
56	MP1A	Z	23.091	.5
57	MP1A	Mx	.02	.5
58	MP1A	X	-39.994	4.5
59	MP1A	Z	23.091	4.5
60	MP1A	Mx	.02	4.5
61	MP1B	X	-39.994	.5
62	MP1B	Z	23.091	.5
63	MP1B	Mx	-.02	.5
64	MP1B	X	-39.994	4.5
65	MP1B	Z	23.091	4.5
66	MP1B	Mx	-.02	4.5
67	MP1C	X	-65.862	.5
68	MP1C	Z	38.026	.5
69	MP1C	Mx	0	.5
70	MP1C	X	-65.862	4.5
71	MP1C	Z	38.026	4.5
72	MP1C	Mx	0	4.5
73	MP2A	X	-39.086	1.5
74	MP2A	Z	22.567	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
75	MP2A	Mx	.02	1.5
76	MP2B	X	-24.207	1.5
77	MP2B	Z	13.976	1.5
78	MP2B	Mx	-.014	1.5
79	MP2C	X	-76.761	1.5
80	MP2C	Z	44.318	1.5
81	MP2C	Mx	.015	1.5
82	RADIOA	X	-29.024	.5
83	RADIOA	Z	16.757	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	-28.606	3
86	MP4A	Z	16.515	3
87	MP4A	Mx	.014	3
88	MP4B	X	-23.722	3
89	MP4B	Z	13.696	3
90	MP4B	Mx	-.014	3
91	MP4C	X	-40.972	3
92	MP4C	Z	23.655	3
93	MP4C	Mx	.008	3
94	MP2A	X	-12.14	3
95	MP2A	Z	7.009	3
96	MP2A	Mx	-.006	3
97	MP2B	X	-9.489	3
98	MP2B	Z	5.478	3
99	MP2B	Mx	.005	3
100	MP2C	X	-18.853	3
101	MP2C	Z	10.885	3
102	MP2C	Mx	-.004	3
103	MP3A	X	-15.457	3
104	MP3A	Z	8.924	3
105	MP3A	Mx	-.008	3
106	MP3B	X	-14.377	3
107	MP3B	Z	8.301	3
108	MP3B	Mx	.008	3
109	MP3C	X	-18.193	3
110	MP3C	Z	10.504	3
111	MP3C	Mx	-.004	3
112	RADIOB	X	-29.024	.5
113	RADIOB	Z	16.757	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	-29.024	.5
116	RADIOC	Z	16.757	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	-13.425	3
119	MP5A	Z	7.751	3
120	MP5A	Mx	-.016	3
121	MP5A	X	-13.425	4
122	MP5A	Z	7.751	4
123	MP5A	Mx	-.016	4
124	MP5B	X	-13.435	3
125	MP5B	Z	7.757	3
126	MP5B	Mx	.016	3
127	MP5B	X	-13.435	4
128	MP5B	Z	7.757	4
129	MP5B	Mx	.016	4
130	MP5C	X	-13.4	3
131	MP5C	Z	7.737	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
132	MP5C	Mx	-.000446	3
133	MP5C	X	-13.4	4
134	MP5C	Z	7.737	4
135	MP5C	Mx	-.000446	4
136	MP5A	X	-13.425	3
137	MP5A	Z	7.751	3
138	MP5A	Mx	-.011	3
139	MP5A	X	-13.425	4
140	MP5A	Z	7.751	4
141	MP5A	Mx	-.011	4
142	MP5B	X	-13.435	3
143	MP5B	Z	7.757	3
144	MP5B	Mx	.016	3
145	MP5B	X	-13.435	4
146	MP5B	Z	7.757	4
147	MP5B	Mx	.016	4
148	MP5C	X	-13.4	3
149	MP5C	Z	7.737	3
150	MP5C	Mx	-.01	3
151	MP5C	X	-13.4	4
152	MP5C	Z	7.737	4
153	MP5C	Mx	-.01	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-21.752	2
2	MP3A	Z	0	2
3	MP3A	Mx	.011	2
4	MP3A	X	-21.752	3
5	MP3A	Z	0	3
6	MP3A	Mx	.011	3
7	MP3B	X	-32.104	2
8	MP3B	Z	0	2
9	MP3B	Mx	-.014	2
10	MP3B	X	-32.104	3
11	MP3B	Z	0	3
12	MP3B	Mx	-.014	3
13	MP3C	X	-61.913	2
14	MP3C	Z	0	2
15	MP3C	Mx	-.005	2
16	MP3C	X	-61.913	3
17	MP3C	Z	0	3
18	MP3C	Mx	-.005	3
19	MP5A	X	-58.972	.5
20	MP5A	Z	0	.5
21	MP5A	Mx	.029	.5
22	MP5A	X	-58.972	4.5
23	MP5A	Z	0	4.5
24	MP5A	Mx	.029	4.5
25	MP5B	X	-80.885	.5
26	MP5B	Z	0	.5
27	MP5B	Mx	-.059	.5
28	MP5B	X	-80.885	4.5
29	MP5B	Z	0	4.5
30	MP5B	Mx	-.059	4.5
31	MP5C	X	-143.982	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
32	MP5C	Z	0	.5
33	MP5C	Mx	.07	.5
34	MP5C	X	-143.982	4.5
35	MP5C	Z	0	4.5
36	MP5C	Mx	.07	4.5
37	MP5A	X	-58.972	.5
38	MP5A	Z	0	.5
39	MP5A	Mx	.029	.5
40	MP5A	X	-58.972	4.5
41	MP5A	Z	0	4.5
42	MP5A	Mx	.029	4.5
43	MP5B	X	-80.885	.5
44	MP5B	Z	0	.5
45	MP5B	Mx	-.011	.5
46	MP5B	X	-80.885	4.5
47	MP5B	Z	0	4.5
48	MP5B	Mx	-.011	4.5
49	MP5C	X	-143.982	.5
50	MP5C	Z	0	.5
51	MP5C	Mx	-.095	.5
52	MP5C	X	-143.982	4.5
53	MP5C	Z	0	4.5
54	MP5C	Mx	-.095	4.5
55	MP1A	X	-36.224	.5
56	MP1A	Z	0	.5
57	MP1A	Mx	.018	.5
58	MP1A	X	-36.224	4.5
59	MP1A	Z	0	4.5
60	MP1A	Mx	.018	4.5
61	MP1B	X	-66.095	.5
62	MP1B	Z	0	.5
63	MP1B	Mx	-.017	.5
64	MP1B	X	-66.095	4.5
65	MP1B	Z	0	4.5
66	MP1B	Mx	-.017	4.5
67	MP1C	X	-66.095	.5
68	MP1C	Z	0	.5
69	MP1C	Mx	-.017	.5
70	MP1C	X	-66.095	4.5
71	MP1C	Z	0	4.5
72	MP1C	Mx	-.017	4.5
73	MP2A	X	-27.952	1.5
74	MP2A	Z	0	1.5
75	MP2A	Mx	.014	1.5
76	MP2B	X	-45.133	1.5
77	MP2B	Z	0	1.5
78	MP2B	Mx	-.02	1.5
79	MP2C	X	-94.603	1.5
80	MP2C	Z	0	1.5
81	MP2C	Mx	-.008	1.5
82	RADIOA	X	-37.623	.5
83	RADIOA	Z	0	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	-27.391	3
86	MP4A	Z	0	3
87	MP4A	Mx	.014	3
88	MP4B	X	-33.031	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
89	MP4B	Z	0	3
90	MP4B	Mx	-.014	3
91	MP4C	X	-49.269	3
92	MP4C	Z	0	3
93	MP4C	Mx	-.004	3
94	MP2A	X	-10.957	3
95	MP2A	Z	0	3
96	MP2A	Mx	-.005	3
97	MP2B	X	-14.018	3
98	MP2B	Z	0	3
99	MP2B	Mx	.006	3
100	MP2C	X	-22.833	3
101	MP2C	Z	0	3
102	MP2C	Mx	.002	3
103	MP3A	X	-16.601	3
104	MP3A	Z	0	3
105	MP3A	Mx	-.008	3
106	MP3B	X	-17.849	3
107	MP3B	Z	0	3
108	MP3B	Mx	.008	3
109	MP3C	X	-21.44	3
110	MP3C	Z	0	3
111	MP3C	Mx	.002	3
112	RADIOB	X	-37.623	.5
113	RADIOB	Z	0	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	-37.623	.5
116	RADIOC	Z	0	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	-15.514	3
119	MP5A	Z	0	3
120	MP5A	Mx	-.016	3
121	MP5A	X	-15.514	4
122	MP5A	Z	0	4
123	MP5A	Mx	-.016	4
124	MP5B	X	-15.502	3
125	MP5B	Z	0	3
126	MP5B	Mx	.011	3
127	MP5B	X	-15.502	4
128	MP5B	Z	0	4
129	MP5B	Mx	.011	4
130	MP5C	X	-15.469	3
131	MP5C	Z	0	3
132	MP5C	Mx	.008	3
133	MP5C	X	-15.469	4
134	MP5C	Z	0	4
135	MP5C	Mx	.008	4
136	MP5A	X	-15.514	3
137	MP5A	Z	0	3
138	MP5A	Mx	-.016	3
139	MP5A	X	-15.514	4
140	MP5A	Z	0	4
141	MP5A	Mx	-.016	4
142	MP5B	X	-15.502	3
143	MP5B	Z	0	3
144	MP5B	Mx	.016	3
145	MP5B	X	-15.502	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
146	MP5B	Z	0	4
147	MP5B	Mx	.016	4
148	MP5C	X	-15.469	3
149	MP5C	Z	0	3
150	MP5C	Mx	-.002	3
151	MP5C	X	-15.469	4
152	MP5C	Z	0	4
153	MP5C	Mx	-.002	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-27.803	2
2	MP3A	Z	-16.052	2
3	MP3A	Mx	.014	2
4	MP3A	X	-27.803	3
5	MP3A	Z	-16.052	3
6	MP3A	Mx	.014	3
7	MP3B	X	-45.734	2
8	MP3B	Z	-26.405	2
9	MP3B	Mx	-.013	2
10	MP3B	X	-45.734	3
11	MP3B	Z	-26.405	3
12	MP3B	Mx	-.013	3
13	MP3C	X	-39.882	2
14	MP3C	Z	-23.026	2
15	MP3C	Mx	-.015	2
16	MP3C	X	-39.882	3
17	MP3C	Z	-23.026	3
18	MP3C	Mx	-.015	3
19	MP5A	X	-70.049	.5
20	MP5A	Z	-40.443	.5
21	MP5A	Mx	.059	.5
22	MP5A	X	-70.049	4.5
23	MP5A	Z	-40.443	4.5
24	MP5A	Mx	.059	4.5
25	MP5B	X	-108.003	.5
26	MP5B	Z	-62.356	.5
27	MP5B	Mx	-.094	.5
28	MP5B	X	-108.003	4.5
29	MP5B	Z	-62.356	4.5
30	MP5B	Mx	-.094	4.5
31	MP5C	X	-95.617	.5
32	MP5C	Z	-55.204	.5
33	MP5C	Mx	.014	.5
34	MP5C	X	-95.617	4.5
35	MP5C	Z	-55.204	4.5
36	MP5C	Mx	.014	4.5
37	MP5A	X	-70.049	.5
38	MP5A	Z	-40.443	.5
39	MP5A	Mx	.011	.5
40	MP5A	X	-70.049	4.5
41	MP5A	Z	-40.443	4.5
42	MP5A	Mx	.011	4.5
43	MP5B	X	-108.003	.5
44	MP5B	Z	-62.356	.5
45	MP5B	Mx	.032	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
46	MP5B	X	-108.003	4.5
47	MP5B	Z	-62.356	4.5
48	MP5B	Mx	.032	4.5
49	MP5C	X	-95.617	.5
50	MP5C	Z	-55.204	.5
51	MP5C	Mx	-.085	.5
52	MP5C	X	-95.617	4.5
53	MP5C	Z	-55.204	4.5
54	MP5C	Mx	-.085	4.5
55	MP1A	X	-39.994	.5
56	MP1A	Z	-23.091	.5
57	MP1A	Mx	.02	.5
58	MP1A	X	-39.994	4.5
59	MP1A	Z	-23.091	4.5
60	MP1A	Mx	.02	4.5
61	MP1B	X	-65.862	.5
62	MP1B	Z	-38.026	.5
63	MP1B	Mx	0	.5
64	MP1B	X	-65.862	4.5
65	MP1B	Z	-38.026	4.5
66	MP1B	Mx	0	4.5
67	MP1C	X	-39.994	.5
68	MP1C	Z	-23.091	.5
69	MP1C	Mx	-.02	.5
70	MP1C	X	-39.994	4.5
71	MP1C	Z	-23.091	4.5
72	MP1C	Mx	-.02	4.5
73	MP2A	X	-39.086	1.5
74	MP2A	Z	-22.567	1.5
75	MP2A	Mx	.02	1.5
76	MP2B	X	-68.844	1.5
77	MP2B	Z	-39.747	1.5
78	MP2B	Mx	-.02	1.5
79	MP2C	X	-59.133	1.5
80	MP2C	Z	-34.14	1.5
81	MP2C	Mx	-.022	1.5
82	RADIOA	X	-39.699	.5
83	RADIOA	Z	-22.92	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	-28.606	3
86	MP4A	Z	-16.515	3
87	MP4A	Mx	.014	3
88	MP4B	X	-38.373	3
89	MP4B	Z	-22.155	3
90	MP4B	Mx	-.011	3
91	MP4C	X	-35.186	3
92	MP4C	Z	-20.314	3
93	MP4C	Mx	-.013	3
94	MP2A	X	-12.14	3
95	MP2A	Z	-7.009	3
96	MP2A	Mx	-.006	3
97	MP2B	X	-17.442	3
98	MP2B	Z	-10.07	3
99	MP2B	Mx	.005	3
100	MP2C	X	-15.712	3
101	MP2C	Z	-9.071	3
102	MP2C	Mx	.006	3



Company : Colliers Engineering & Design
 Designer : ILR
 Job Number : Project No. 10207443
 Model Name : 5000120998-VZW_MT_LO_H

Aug 1, 2023
 2:48 PM
 Checked By: DX

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
103	MP3A	X	-15.457	3
104	MP3A	Z	-8.924	3
105	MP3A	Mx	-.008	3
106	MP3B	X	-17.618	3
107	MP3B	Z	-10.172	3
108	MP3B	Mx	.005	3
109	MP3C	X	-16.913	3
110	MP3C	Z	-9.765	3
111	MP3C	Mx	.006	3
112	RADIOB	X	-39.699	.5
113	RADIOB	Z	-22.92	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	-39.699	.5
116	RADIOC	Z	-22.92	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	-13.425	3
119	MP5A	Z	-7.751	3
120	MP5A	Mx	-.011	3
121	MP5A	X	-13.425	4
122	MP5A	Z	-7.751	4
123	MP5A	Mx	-.011	4
124	MP5B	X	-13.406	3
125	MP5B	Z	-7.74	3
126	MP5B	Mx	.003	3
127	MP5B	X	-13.406	4
128	MP5B	Z	-7.74	4
129	MP5B	Mx	.003	4
130	MP5C	X	-13.412	3
131	MP5C	Z	-7.743	3
132	MP5C	Mx	.014	3
133	MP5C	X	-13.412	4
134	MP5C	Z	-7.743	4
135	MP5C	Mx	.014	4
136	MP5A	X	-13.425	3
137	MP5A	Z	-7.751	3
138	MP5A	Mx	-.016	3
139	MP5A	X	-13.425	4
140	MP5A	Z	-7.751	4
141	MP5A	Mx	-.016	4
142	MP5B	X	-13.406	3
143	MP5B	Z	-7.74	3
144	MP5B	Mx	.012	3
145	MP5B	X	-13.406	4
146	MP5B	Z	-7.74	4
147	MP5B	Mx	.012	4
148	MP5C	X	-13.412	3
149	MP5C	Z	-7.743	3
150	MP5C	Mx	.006	3
151	MP5C	X	-13.412	4
152	MP5C	Z	-7.743	4
153	MP5C	Mx	.006	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-26.405	2
2	MP3A	Z	-45.734	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
3	MP3A	Mx	.013	2
4	MP3A	X	-26.405	3
5	MP3A	Z	-45.734	3
6	MP3A	Mx	.013	3
7	MP3B	X	-31.581	2
8	MP3B	Z	-54.699	2
9	MP3B	Mx	0	2
10	MP3B	X	-31.581	3
11	MP3B	Z	-54.699	3
12	MP3B	Mx	0	3
13	MP3C	X	-13.298	2
14	MP3C	Z	-23.033	2
15	MP3C	Mx	-.012	2
16	MP3C	X	-13.298	3
17	MP3C	Z	-23.033	3
18	MP3C	Mx	-.012	3
19	MP5A	X	-62.356	.5
20	MP5A	Z	-108.003	.5
21	MP5A	Mx	.094	.5
22	MP5A	X	-62.356	4.5
23	MP5A	Z	-108.003	4.5
24	MP5A	Mx	.094	4.5
25	MP5B	X	-73.312	.5
26	MP5B	Z	-126.981	.5
27	MP5B	Mx	-.086	.5
28	MP5B	X	-73.312	4.5
29	MP5B	Z	-126.981	4.5
30	MP5B	Mx	-.086	4.5
31	MP5C	X	-34.613	.5
32	MP5C	Z	-59.951	.5
33	MP5C	Mx	-.019	.5
34	MP5C	X	-34.613	4.5
35	MP5C	Z	-59.951	4.5
36	MP5C	Mx	-.019	4.5
37	MP5A	X	-62.356	.5
38	MP5A	Z	-108.003	.5
39	MP5A	Mx	-.032	.5
40	MP5A	X	-62.356	4.5
41	MP5A	Z	-108.003	4.5
42	MP5A	Mx	-.032	4.5
43	MP5B	X	-73.312	.5
44	MP5B	Z	-126.981	.5
45	MP5B	Mx	.086	.5
46	MP5B	X	-73.312	4.5
47	MP5B	Z	-126.981	4.5
48	MP5B	Mx	.086	4.5
49	MP5C	X	-34.613	.5
50	MP5C	Z	-59.951	.5
51	MP5C	Mx	-.046	.5
52	MP5C	X	-34.613	4.5
53	MP5C	Z	-59.951	4.5
54	MP5C	Mx	-.046	4.5
55	MP1A	X	-33.047	.5
56	MP1A	Z	-57.24	.5
57	MP1A	Mx	.017	.5
58	MP1A	X	-33.047	4.5
59	MP1A	Z	-57.24	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
60	MP1A	Mx	.017	4.5
61	MP1B	X	-33.047	.5
62	MP1B	Z	-57.24	.5
63	MP1B	Mx	.017	.5
64	MP1B	X	-33.047	4.5
65	MP1B	Z	-57.24	4.5
66	MP1B	Mx	.017	4.5
67	MP1C	X	-18.112	.5
68	MP1C	Z	-31.371	.5
69	MP1C	Mx	-.018	.5
70	MP1C	X	-18.112	4.5
71	MP1C	Z	-31.371	4.5
72	MP1C	Mx	-.018	4.5
73	MP2A	X	-39.747	1.5
74	MP2A	Z	-68.844	1.5
75	MP2A	Mx	.02	1.5
76	MP2B	X	-48.338	1.5
77	MP2B	Z	-83.724	1.5
78	MP2B	Mx	0	1.5
79	MP2C	X	-17.996	1.5
80	MP2C	Z	-31.17	1.5
81	MP2C	Mx	-.017	1.5
82	RADIOA	X	-24.975	.5
83	RADIOA	Z	-43.257	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	-22.155	3
86	MP4A	Z	-38.373	3
87	MP4A	Mx	.011	3
88	MP4B	X	-24.975	3
89	MP4B	Z	-43.257	3
90	MP4B	Mx	0	3
91	MP4C	X	-15.015	3
92	MP4C	Z	-26.007	3
93	MP4C	Mx	-.014	3
94	MP2A	X	-10.07	3
95	MP2A	Z	-17.442	3
96	MP2A	Mx	-.005	3
97	MP2B	X	-11.601	3
98	MP2B	Z	-20.094	3
99	MP2B	Mx	0	3
100	MP2C	X	-6.195	3
101	MP2C	Z	-10.729	3
102	MP2C	Mx	.006	3
103	MP3A	X	-10.172	3
104	MP3A	Z	-17.618	3
105	MP3A	Mx	-.005	3
106	MP3B	X	-10.795	3
107	MP3B	Z	-18.698	3
108	MP3B	Mx	0	3
109	MP3C	X	-8.592	3
110	MP3C	Z	-14.883	3
111	MP3C	Mx	.008	3
112	RADIOB	X	-24.975	.5
113	RADIOB	Z	-43.257	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	-24.975	.5
116	RADIOC	Z	-43.257	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
117	RADIOC	Mx	0	.5
118	MP5A	X	-7.74	3
119	MP5A	Z	-13.406	3
120	MP5A	Mx	-.003	3
121	MP5A	X	-7.74	4
122	MP5A	Z	-13.406	4
123	MP5A	Mx	-.003	4
124	MP5B	X	-7.734	3
125	MP5B	Z	-13.396	3
126	MP5B	Mx	-.005	3
127	MP5B	X	-7.734	4
128	MP5B	Z	-13.396	4
129	MP5B	Mx	-.005	4
130	MP5C	X	-7.754	3
131	MP5C	Z	-13.431	3
132	MP5C	Mx	.016	3
133	MP5C	X	-7.754	4
134	MP5C	Z	-13.431	4
135	MP5C	Mx	.016	4
136	MP5A	X	-7.74	3
137	MP5A	Z	-13.406	3
138	MP5A	Mx	-.012	3
139	MP5A	X	-7.74	4
140	MP5A	Z	-13.406	4
141	MP5A	Mx	-.012	4
142	MP5B	X	-7.734	3
143	MP5B	Z	-13.396	3
144	MP5B	Mx	.005	3
145	MP5B	X	-7.734	4
146	MP5B	Z	-13.396	4
147	MP5B	Mx	.005	4
148	MP5C	X	-7.754	3
149	MP5C	Z	-13.431	3
150	MP5C	Mx	.013	3
151	MP5C	X	-7.754	4
152	MP5C	Z	-13.431	4
153	MP5C	Mx	.013	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP3A	X	0	2
2	MP3A	Z	-14.835	2
3	MP3A	Mx	0	2
4	MP3A	X	0	3
5	MP3A	Z	-14.835	3
6	MP3A	Mx	0	3
7	MP3B	X	0	2
8	MP3B	Z	-12.705	2
9	MP3B	Mx	.003	2
10	MP3B	X	0	3
11	MP3B	Z	-12.705	3
12	MP3B	Mx	.003	3
13	MP3C	X	0	2
14	MP3C	Z	-6.571	2
15	MP3C	Mx	-.003	2
16	MP3C	X	0	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
74	MP2A	Z	-19.349	1.5
75	MP2A	Mx	0	1.5
76	MP2B	X	0	1.5
77	MP2B	Z	-16.141	1.5
78	MP2B	Mx	.004	1.5
79	MP2C	X	0	1.5
80	MP2C	Z	-6.903	1.5
81	MP2C	Mx	-.003	1.5
82	RADIOA	X	0	.5
83	RADIOA	Z	-11.544	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	0	3
86	MP4A	Z	-12.496	3
87	MP4A	Mx	0	3
88	MP4B	X	0	3
89	MP4B	Z	-11.183	3
90	MP4B	Mx	.003	3
91	MP4C	X	0	3
92	MP4C	Z	-7.4	3
93	MP4C	Mx	-.004	3
94	MP2A	X	0	3
95	MP2A	Z	-7.113	3
96	MP2A	Mx	0	3
97	MP2B	X	0	3
98	MP2B	Z	-6.332	3
99	MP2B	Mx	-.002	3
100	MP2C	X	0	3
101	MP2C	Z	-4.083	3
102	MP2C	Mx	.002	3
103	MP3A	X	0	3
104	MP3A	Z	-5.484	3
105	MP3A	Mx	0	3
106	MP3B	X	0	3
107	MP3B	Z	-5.138	3
108	MP3B	Mx	-.001	3
109	MP3C	X	0	3
110	MP3C	Z	-4.142	3
111	MP3C	Mx	.002	3
112	RADIOB	X	0	.5
113	RADIOB	Z	-11.544	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	0	.5
116	RADIOC	Z	-11.544	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	0	3
119	MP5A	Z	-1.29	3
120	MP5A	Mx	.00043	3
121	MP5A	X	0	4
122	MP5A	Z	-1.29	4
123	MP5A	Mx	.00043	4
124	MP5B	X	0	3
125	MP5B	Z	-1.826	3
126	MP5B	Mx	-.001	3
127	MP5B	X	0	4
128	MP5B	Z	-1.826	4
129	MP5B	Mx	-.001	4
130	MP5C	X	0	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
131	MP5C	Z	-3.368	3
132	MP5C	Mx	.003	3
133	MP5C	X	0	4
134	MP5C	Z	-3.368	4
135	MP5C	Mx	.003	4
136	MP5A	X	0	3
137	MP5A	Z	-1.29	3
138	MP5A	Mx	-.00043	3
139	MP5A	X	0	4
140	MP5A	Z	-1.29	4
141	MP5A	Mx	-.00043	4
142	MP5B	X	0	3
143	MP5B	Z	-1.826	3
144	MP5B	Mx	-.000386	3
145	MP5B	X	0	4
146	MP5B	Z	-1.826	4
147	MP5B	Mx	-.000386	4
148	MP5C	X	0	3
149	MP5C	Z	-3.368	3
150	MP5C	Mx	.004	3
151	MP5C	X	0	4
152	MP5C	Z	-3.368	4
153	MP5C	Mx	.004	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	6.352	2
2	MP3A	Z	-11.003	2
3	MP3A	Mx	-.003	2
4	MP3A	X	6.352	3
5	MP3A	Z	-11.003	3
6	MP3A	Mx	-.003	3
7	MP3B	X	4.222	2
8	MP3B	Z	-7.313	2
9	MP3B	Mx	.004	2
10	MP3B	X	4.222	3
11	MP3B	Z	-7.313	3
12	MP3B	Mx	.004	3
13	MP3C	X	4.917	2
14	MP3C	Z	-8.517	2
15	MP3C	Mx	-.004	2
16	MP3C	X	4.917	3
17	MP3C	Z	-8.517	3
18	MP3C	Mx	-.004	3
19	MP5A	X	17.85	.5
20	MP5A	Z	-30.917	.5
21	MP5A	Mx	.009	.5
22	MP5A	X	17.85	4.5
23	MP5A	Z	-30.917	4.5
24	MP5A	Mx	.009	4.5
25	MP5B	X	14.8	.5
26	MP5B	Z	-25.634	.5
27	MP5B	Mx	.004	.5
28	MP5B	X	14.8	4.5
29	MP5B	Z	-25.634	4.5
30	MP5B	Mx	.004	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
31	MP5C	X	15.795	.5
32	MP5C	Z	-27.359	.5
33	MP5C	Mx	-.024	.5
34	MP5C	X	15.795	4.5
35	MP5C	Z	-27.359	4.5
36	MP5C	Mx	-.024	4.5
37	MP5A	X	17.85	.5
38	MP5A	Z	-30.917	.5
39	MP5A	Mx	-.027	.5
40	MP5A	X	17.85	4.5
41	MP5A	Z	-30.917	4.5
42	MP5A	Mx	-.027	4.5
43	MP5B	X	14.8	.5
44	MP5B	Z	-25.634	.5
45	MP5B	Mx	.021	.5
46	MP5B	X	14.8	4.5
47	MP5B	Z	-25.634	4.5
48	MP5B	Mx	.021	4.5
49	MP5C	X	15.795	.5
50	MP5C	Z	-27.359	.5
51	MP5C	Mx	-.000255	.5
52	MP5C	X	15.795	4.5
53	MP5C	Z	-27.359	4.5
54	MP5C	Mx	-.000255	4.5
55	MP1A	X	6.554	.5
56	MP1A	Z	-11.351	.5
57	MP1A	Mx	-.003	.5
58	MP1A	X	6.554	4.5
59	MP1A	Z	-11.351	4.5
60	MP1A	Mx	-.003	4.5
61	MP1B	X	3.893	.5
62	MP1B	Z	-6.744	.5
63	MP1B	Mx	.004	.5
64	MP1B	X	3.893	4.5
65	MP1B	Z	-6.744	4.5
66	MP1B	Mx	.004	4.5
67	MP1C	X	6.554	.5
68	MP1C	Z	-11.351	.5
69	MP1C	Mx	-.003	.5
70	MP1C	X	6.554	4.5
71	MP1C	Z	-11.351	4.5
72	MP1C	Mx	-.003	4.5
73	MP2A	X	8.071	1.5
74	MP2A	Z	-13.979	1.5
75	MP2A	Mx	-.004	1.5
76	MP2B	X	4.862	1.5
77	MP2B	Z	-8.422	1.5
78	MP2B	Mx	.004	1.5
79	MP2C	X	5.909	1.5
80	MP2C	Z	-10.235	1.5
81	MP2C	Mx	-.005	1.5
82	RADIOA	X	4.82	.5
83	RADIOA	Z	-8.349	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	5.591	3
86	MP4A	Z	-9.684	3
87	MP4A	Mx	-.003	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
88	MP4B	X	4.278	3
89	MP4B	Z	-7.409	3
90	MP4B	Mx	.004	3
91	MP4C	X	4.706	3
92	MP4C	Z	-8.152	3
93	MP4C	Mx	-.004	3
94	MP2A	X	3.166	3
95	MP2A	Z	-5.484	3
96	MP2A	Mx	.002	3
97	MP2B	X	2.385	3
98	MP2B	Z	-4.131	3
99	MP2B	Mx	-.002	3
100	MP2C	X	2.64	3
101	MP2C	Z	-4.572	3
102	MP2C	Mx	.002	3
103	MP3A	X	2.569	3
104	MP3A	Z	-4.45	3
105	MP3A	Mx	.001	3
106	MP3B	X	2.223	3
107	MP3B	Z	-3.85	3
108	MP3B	Mx	-.002	3
109	MP3C	X	2.336	3
110	MP3C	Z	-4.046	3
111	MP3C	Mx	.002	3
112	RADIOB	X	4.82	.5
113	RADIOB	Z	-8.349	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	4.82	.5
116	RADIOC	Z	-8.349	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	.913	3
119	MP5A	Z	-1.581	3
120	MP5A	Mx	.001	3
121	MP5A	X	.913	4
122	MP5A	Z	-1.581	4
123	MP5A	Mx	.001	4
124	MP5B	X	1.448	3
125	MP5B	Z	-2.509	3
126	MP5B	Mx	-.003	3
127	MP5B	X	1.448	4
128	MP5B	Z	-2.509	4
129	MP5B	Mx	-.003	4
130	MP5C	X	1.274	3
131	MP5C	Z	-2.206	3
132	MP5C	Mx	.001	3
133	MP5C	X	1.274	4
134	MP5C	Z	-2.206	4
135	MP5C	Mx	.001	4
136	MP5A	X	.913	3
137	MP5A	Z	-1.581	3
138	MP5A	Mx	.000386	3
139	MP5A	X	.913	4
140	MP5A	Z	-1.581	4
141	MP5A	Mx	.000386	4
142	MP5B	X	1.448	3
143	MP5B	Z	-2.509	3
144	MP5B	Mx	-.002	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
145	MP5B	X	1.448	4
146	MP5B	Z	-2.509	4
147	MP5B	Mx	-.002	4
148	MP5C	X	1.274	3
149	MP5C	Z	-2.206	3
150	MP5C	Mx	.002	3
151	MP5C	X	1.274	4
152	MP5C	Z	-2.206	4
153	MP5C	Mx	.002	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	7.313	2
2	MP3A	Z	-4.222	2
3	MP3A	Mx	-.004	2
4	MP3A	X	7.313	3
5	MP3A	Z	-4.222	3
6	MP3A	Mx	-.004	3
7	MP3B	X	5.468	2
8	MP3B	Z	-3.157	2
9	MP3B	Mx	.003	2
10	MP3B	X	5.468	3
11	MP3B	Z	-3.157	3
12	MP3B	Mx	.003	3
13	MP3C	X	11.984	2
14	MP3C	Z	-6.919	2
15	MP3C	Mx	-.002	2
16	MP3C	X	11.984	3
17	MP3C	Z	-6.919	3
18	MP3C	Mx	-.002	3
19	MP5A	X	25.634	.5
20	MP5A	Z	-14.8	.5
21	MP5A	Mx	-.004	.5
22	MP5A	X	25.634	4.5
23	MP5A	Z	-14.8	4.5
24	MP5A	Mx	-.004	4.5
25	MP5B	X	22.993	.5
26	MP5B	Z	-13.275	.5
27	MP5B	Mx	.013	.5
28	MP5B	X	22.993	4.5
29	MP5B	Z	-13.275	4.5
30	MP5B	Mx	.013	4.5
31	MP5C	X	32.323	.5
32	MP5C	Z	-18.662	.5
33	MP5C	Mx	-.027	.5
34	MP5C	X	32.323	4.5
35	MP5C	Z	-18.662	4.5
36	MP5C	Mx	-.027	4.5
37	MP5A	X	25.634	.5
38	MP5A	Z	-14.8	.5
39	MP5A	Mx	-.021	.5
40	MP5A	X	25.634	4.5
41	MP5A	Z	-14.8	4.5
42	MP5A	Mx	-.021	4.5
43	MP5B	X	22.993	.5
44	MP5B	Z	-13.275	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
45	MP5B	Mx	.013	.5
46	MP5B	X	22.993	4.5
47	MP5B	Z	-13.275	4.5
48	MP5B	Mx	.013	4.5
49	MP5C	X	32.323	.5
50	MP5C	Z	-18.662	.5
51	MP5C	Mx	.014	.5
52	MP5C	X	32.323	4.5
53	MP5C	Z	-18.662	4.5
54	MP5C	Mx	.014	4.5
55	MP1A	X	8.28	.5
56	MP1A	Z	-4.78	.5
57	MP1A	Mx	-.004	.5
58	MP1A	X	8.28	4.5
59	MP1A	Z	-4.78	4.5
60	MP1A	Mx	-.004	4.5
61	MP1B	X	8.28	.5
62	MP1B	Z	-4.78	.5
63	MP1B	Mx	.004	.5
64	MP1B	X	8.28	4.5
65	MP1B	Z	-4.78	4.5
66	MP1B	Mx	.004	4.5
67	MP1C	X	12.887	.5
68	MP1C	Z	-7.441	.5
69	MP1C	Mx	0	.5
70	MP1C	X	12.887	4.5
71	MP1C	Z	-7.441	4.5
72	MP1C	Mx	0	4.5
73	MP2A	X	8.422	1.5
74	MP2A	Z	-4.862	1.5
75	MP2A	Mx	-.004	1.5
76	MP2B	X	5.643	1.5
77	MP2B	Z	-3.258	1.5
78	MP2B	Mx	.003	1.5
79	MP2C	X	15.457	1.5
80	MP2C	Z	-8.924	1.5
81	MP2C	Mx	-.003	1.5
82	RADIOA	X	7.525	.5
83	RADIOA	Z	-4.344	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	7.409	3
86	MP4A	Z	-4.278	3
87	MP4A	Mx	-.004	3
88	MP4B	X	6.272	3
89	MP4B	Z	-3.621	3
90	MP4B	Mx	.004	3
91	MP4C	X	10.29	3
92	MP4C	Z	-5.941	3
93	MP4C	Mx	-.002	3
94	MP2A	X	4.131	3
95	MP2A	Z	-2.385	3
96	MP2A	Mx	.002	3
97	MP2B	X	3.454	3
98	MP2B	Z	-1.994	3
99	MP2B	Mx	-.002	3
100	MP2C	X	5.844	3
101	MP2C	Z	-3.374	3



Company : Colliers Engineering & Design
 Designer : ILR
 Job Number : Project No. 10207443
 Model Name : 5000120998-VZW_MT_LO_H

Aug 1, 2023
 2:48 PM
 Checked By: DX

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
102	MP2C	Mx	.001	3
103	MP3A	X	3.85	3
104	MP3A	Z	-2.223	3
105	MP3A	Mx	.002	3
106	MP3B	X	3.551	3
107	MP3B	Z	-2.05	3
108	MP3B	Mx	-.002	3
109	MP3C	X	4.609	3
110	MP3C	Z	-2.661	3
111	MP3C	Mx	.00091	3
112	RADIOB	X	7.525	.5
113	RADIOB	Z	-4.344	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	7.525	.5
116	RADIOC	Z	-4.344	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	2.509	3
119	MP5A	Z	-1.448	3
120	MP5A	Mx	.003	3
121	MP5A	X	2.509	4
122	MP5A	Z	-1.448	4
123	MP5A	Mx	.003	4
124	MP5B	X	2.973	3
125	MP5B	Z	-1.716	3
126	MP5B	Mx	-.003	3
127	MP5B	X	2.973	4
128	MP5B	Z	-1.716	4
129	MP5B	Mx	-.003	4
130	MP5C	X	1.335	3
131	MP5C	Z	-.771	3
132	MP5C	Mx	4.5e-5	3
133	MP5C	X	1.335	4
134	MP5C	Z	-.771	4
135	MP5C	Mx	4.5e-5	4
136	MP5A	X	2.509	3
137	MP5A	Z	-1.448	3
138	MP5A	Mx	.002	3
139	MP5A	X	2.509	4
140	MP5A	Z	-1.448	4
141	MP5A	Mx	.002	4
142	MP5B	X	2.973	3
143	MP5B	Z	-1.716	3
144	MP5B	Mx	-.003	3
145	MP5B	X	2.973	4
146	MP5B	Z	-1.716	4
147	MP5B	Mx	-.003	4
148	MP5C	X	1.335	3
149	MP5C	Z	-.771	3
150	MP5C	Mx	.001	3
151	MP5C	X	1.335	4
152	MP5C	Z	-.771	4
153	MP5C	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	6.314	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
2	MP3A	Z	0	2
3	MP3A	Mx	-.003	2
4	MP3A	X	6.314	3
5	MP3A	Z	0	3
6	MP3A	Mx	-.003	3
7	MP3B	X	8.444	2
8	MP3B	Z	0	2
9	MP3B	Mx	.004	2
10	MP3B	X	8.444	3
11	MP3B	Z	0	3
12	MP3B	Mx	.004	3
13	MP3C	X	14.578	2
14	MP3C	Z	0	2
15	MP3C	Mx	.001	2
16	MP3C	X	14.578	3
17	MP3C	Z	0	3
18	MP3C	Mx	.001	3
19	MP5A	X	26.55	.5
20	MP5A	Z	0	.5
21	MP5A	Mx	-.013	.5
22	MP5A	X	26.55	4.5
23	MP5A	Z	0	4.5
24	MP5A	Mx	-.013	4.5
25	MP5B	X	29.6	.5
26	MP5B	Z	0	.5
27	MP5B	Mx	.021	.5
28	MP5B	X	29.6	4.5
29	MP5B	Z	0	4.5
30	MP5B	Mx	.021	4.5
31	MP5C	X	38.383	.5
32	MP5C	Z	0	.5
33	MP5C	Mx	-.019	.5
34	MP5C	X	38.383	4.5
35	MP5C	Z	0	4.5
36	MP5C	Mx	-.019	4.5
37	MP5A	X	26.55	.5
38	MP5A	Z	0	.5
39	MP5A	Mx	-.013	.5
40	MP5A	X	26.55	4.5
41	MP5A	Z	0	4.5
42	MP5A	Mx	-.013	4.5
43	MP5B	X	29.6	.5
44	MP5B	Z	0	.5
45	MP5B	Mx	.004	.5
46	MP5B	X	29.6	4.5
47	MP5B	Z	0	4.5
48	MP5B	Mx	.004	4.5
49	MP5C	X	38.383	.5
50	MP5C	Z	0	.5
51	MP5C	Mx	.025	.5
52	MP5C	X	38.383	4.5
53	MP5C	Z	0	4.5
54	MP5C	Mx	.025	4.5
55	MP1A	X	7.787	.5
56	MP1A	Z	0	.5
57	MP1A	Mx	-.004	.5
58	MP1A	X	7.787	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
59	MP1A	Z	0	4.5
60	MP1A	Mx	-.004	4.5
61	MP1B	X	13.108	.5
62	MP1B	Z	0	.5
63	MP1B	Mx	.003	.5
64	MP1B	X	13.108	4.5
65	MP1B	Z	0	4.5
66	MP1B	Mx	.003	4.5
67	MP1C	X	13.108	.5
68	MP1C	Z	0	.5
69	MP1C	Mx	.003	.5
70	MP1C	X	13.108	4.5
71	MP1C	Z	0	4.5
72	MP1C	Mx	.003	4.5
73	MP2A	X	6.516	1.5
74	MP2A	Z	0	1.5
75	MP2A	Mx	-.003	1.5
76	MP2B	X	9.724	1.5
77	MP2B	Z	0	1.5
78	MP2B	Mx	.004	1.5
79	MP2C	X	18.962	1.5
80	MP2C	Z	0	1.5
81	MP2C	Mx	.002	1.5
82	RADIOA	X	9.641	.5
83	RADIOA	Z	0	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	7.242	3
86	MP4A	Z	0	3
87	MP4A	Mx	-.004	3
88	MP4B	X	8.556	3
89	MP4B	Z	0	3
90	MP4B	Mx	.004	3
91	MP4C	X	12.338	3
92	MP4C	Z	0	3
93	MP4C	Mx	.001	3
94	MP2A	X	3.989	3
95	MP2A	Z	0	3
96	MP2A	Mx	.002	3
97	MP2B	X	4.77	3
98	MP2B	Z	0	3
99	MP2B	Mx	-.002	3
100	MP2C	X	7.019	3
101	MP2C	Z	0	3
102	MP2C	Mx	-.000609	3
103	MP3A	X	4.1	3
104	MP3A	Z	0	3
105	MP3A	Mx	.002	3
106	MP3B	X	4.446	3
107	MP3B	Z	0	3
108	MP3B	Mx	-.002	3
109	MP3C	X	5.442	3
110	MP3C	Z	0	3
111	MP3C	Mx	-.000472	3
112	RADIOB	X	9.641	.5
113	RADIOB	Z	0	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	9.641	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
116	RADIOC	Z	0	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	3.432	3
119	MP5A	Z	0	3
120	MP5A	Mx	.003	3
121	MP5A	X	3.432	4
122	MP5A	Z	0	4
123	MP5A	Mx	.003	4
124	MP5B	X	2.897	3
125	MP5B	Z	0	3
126	MP5B	Mx	-.002	3
127	MP5B	X	2.897	4
128	MP5B	Z	0	4
129	MP5B	Mx	-.002	4
130	MP5C	X	1.355	3
131	MP5C	Z	0	3
132	MP5C	Mx	-.00068	3
133	MP5C	X	1.355	4
134	MP5C	Z	0	4
135	MP5C	Mx	-.00068	4
136	MP5A	X	3.432	3
137	MP5A	Z	0	3
138	MP5A	Mx	.003	3
139	MP5A	X	3.432	4
140	MP5A	Z	0	4
141	MP5A	Mx	.003	4
142	MP5B	X	2.897	3
143	MP5B	Z	0	3
144	MP5B	Mx	-.003	3
145	MP5B	X	2.897	4
146	MP5B	Z	0	4
147	MP5B	Mx	-.003	4
148	MP5C	X	1.355	3
149	MP5C	Z	0	3
150	MP5C	Mx	.00021	3
151	MP5C	X	1.355	4
152	MP5C	Z	0	4
153	MP5C	Mx	.00021	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	7.313	2
2	MP3A	Z	4.222	2
3	MP3A	Mx	-.004	2
4	MP3A	X	7.313	3
5	MP3A	Z	4.222	3
6	MP3A	Mx	-.004	3
7	MP3B	X	11.003	2
8	MP3B	Z	6.352	2
9	MP3B	Mx	.003	2
10	MP3B	X	11.003	3
11	MP3B	Z	6.352	3
12	MP3B	Mx	.003	3
13	MP3C	X	9.798	2
14	MP3C	Z	5.657	2
15	MP3C	Mx	.004	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
16	MP3C	X	9.798	3
17	MP3C	Z	5.657	3
18	MP3C	Mx	.004	3
19	MP5A	X	25.634	.5
20	MP5A	Z	14.8	.5
21	MP5A	Mx	-.021	.5
22	MP5A	X	25.634	4.5
23	MP5A	Z	14.8	4.5
24	MP5A	Mx	-.021	4.5
25	MP5B	X	30.917	.5
26	MP5B	Z	17.85	.5
27	MP5B	Mx	.027	.5
28	MP5B	X	30.917	4.5
29	MP5B	Z	17.85	4.5
30	MP5B	Mx	.027	4.5
31	MP5C	X	29.193	.5
32	MP5C	Z	16.855	.5
33	MP5C	Mx	-.004	.5
34	MP5C	X	29.193	4.5
35	MP5C	Z	16.855	4.5
36	MP5C	Mx	-.004	4.5
37	MP5A	X	25.634	.5
38	MP5A	Z	14.8	.5
39	MP5A	Mx	-.004	.5
40	MP5A	X	25.634	4.5
41	MP5A	Z	14.8	4.5
42	MP5A	Mx	-.004	4.5
43	MP5B	X	30.917	.5
44	MP5B	Z	17.85	.5
45	MP5B	Mx	-.009	.5
46	MP5B	X	30.917	4.5
47	MP5B	Z	17.85	4.5
48	MP5B	Mx	-.009	4.5
49	MP5C	X	29.193	.5
50	MP5C	Z	16.855	.5
51	MP5C	Mx	.026	.5
52	MP5C	X	29.193	4.5
53	MP5C	Z	16.855	4.5
54	MP5C	Mx	.026	4.5
55	MP1A	X	8.28	.5
56	MP1A	Z	4.78	.5
57	MP1A	Mx	-.004	.5
58	MP1A	X	8.28	4.5
59	MP1A	Z	4.78	4.5
60	MP1A	Mx	-.004	4.5
61	MP1B	X	12.887	.5
62	MP1B	Z	7.441	.5
63	MP1B	Mx	0	.5
64	MP1B	X	12.887	4.5
65	MP1B	Z	7.441	4.5
66	MP1B	Mx	0	4.5
67	MP1C	X	8.28	.5
68	MP1C	Z	4.78	.5
69	MP1C	Mx	.004	.5
70	MP1C	X	8.28	4.5
71	MP1C	Z	4.78	4.5
72	MP1C	Mx	.004	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
73	MP2A	X	8.422	1.5
74	MP2A	Z	4.862	1.5
75	MP2A	Mx	-.004	1.5
76	MP2B	X	13.979	1.5
77	MP2B	Z	8.071	1.5
78	MP2B	Mx	.004	1.5
79	MP2C	X	12.165	1.5
80	MP2C	Z	7.023	1.5
81	MP2C	Mx	.005	1.5
82	RADIOA	X	9.998	.5
83	RADIOA	Z	5.772	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	7.409	3
86	MP4A	Z	4.278	3
87	MP4A	Mx	-.004	3
88	MP4B	X	9.684	3
89	MP4B	Z	5.591	3
90	MP4B	Mx	.003	3
91	MP4C	X	8.942	3
92	MP4C	Z	5.163	3
93	MP4C	Mx	.003	3
94	MP2A	X	4.131	3
95	MP2A	Z	2.385	3
96	MP2A	Mx	.002	3
97	MP2B	X	5.484	3
98	MP2B	Z	3.166	3
99	MP2B	Mx	-.002	3
100	MP2C	X	5.042	3
101	MP2C	Z	2.911	3
102	MP2C	Mx	-.002	3
103	MP3A	X	3.85	3
104	MP3A	Z	2.223	3
105	MP3A	Mx	.002	3
106	MP3B	X	4.45	3
107	MP3B	Z	2.569	3
108	MP3B	Mx	-.001	3
109	MP3C	X	4.254	3
110	MP3C	Z	2.456	3
111	MP3C	Mx	-.002	3
112	RADIOB	X	9.998	.5
113	RADIOB	Z	5.772	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	9.998	.5
116	RADIOC	Z	5.772	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	2.509	3
119	MP5A	Z	1.448	3
120	MP5A	Mx	.002	3
121	MP5A	X	2.509	4
122	MP5A	Z	1.448	4
123	MP5A	Mx	.002	4
124	MP5B	X	1.581	3
125	MP5B	Z	.913	3
126	MP5B	Mx	-.000386	3
127	MP5B	X	1.581	4
128	MP5B	Z	.913	4
129	MP5B	Mx	-.000386	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
130	MP5C	X	1.884	3
131	MP5C	Z	1.088	3
132	MP5C	Mx	-.002	3
133	MP5C	X	1.884	4
134	MP5C	Z	1.088	4
135	MP5C	Mx	-.002	4
136	MP5A	X	2.509	3
137	MP5A	Z	1.448	3
138	MP5A	Mx	.003	3
139	MP5A	X	2.509	4
140	MP5A	Z	1.448	4
141	MP5A	Mx	.003	4
142	MP5B	X	1.581	3
143	MP5B	Z	.913	3
144	MP5B	Mx	-.001	3
145	MP5B	X	1.581	4
146	MP5B	Z	.913	4
147	MP5B	Mx	-.001	4
148	MP5C	X	1.884	3
149	MP5C	Z	1.088	3
150	MP5C	Mx	-.000843	3
151	MP5C	X	1.884	4
152	MP5C	Z	1.088	4
153	MP5C	Mx	-.000843	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	6.352	2
2	MP3A	Z	11.003	2
3	MP3A	Mx	-.003	2
4	MP3A	X	6.352	3
5	MP3A	Z	11.003	3
6	MP3A	Mx	-.003	3
7	MP3B	X	7.418	2
8	MP3B	Z	12.848	2
9	MP3B	Mx	0	2
10	MP3B	X	7.418	3
11	MP3B	Z	12.848	3
12	MP3B	Mx	0	3
13	MP3C	X	3.655	2
14	MP3C	Z	6.331	2
15	MP3C	Mx	.003	2
16	MP3C	X	3.655	3
17	MP3C	Z	6.331	3
18	MP3C	Mx	.003	3
19	MP5A	X	17.85	.5
20	MP5A	Z	30.917	.5
21	MP5A	Mx	-.027	.5
22	MP5A	X	17.85	4.5
23	MP5A	Z	30.917	4.5
24	MP5A	Mx	-.027	4.5
25	MP5B	X	19.375	.5
26	MP5B	Z	33.559	.5
27	MP5B	Mx	.023	.5
28	MP5B	X	19.375	4.5
29	MP5B	Z	33.559	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
30	MP5B	Mx	.023	4.5
31	MP5C	X	13.989	.5
32	MP5C	Z	24.229	.5
33	MP5C	Mx	.008	.5
34	MP5C	X	13.989	4.5
35	MP5C	Z	24.229	4.5
36	MP5C	Mx	.008	4.5
37	MP5A	X	17.85	.5
38	MP5A	Z	30.917	.5
39	MP5A	Mx	.009	.5
40	MP5A	X	17.85	4.5
41	MP5A	Z	30.917	4.5
42	MP5A	Mx	.009	4.5
43	MP5B	X	19.375	.5
44	MP5B	Z	33.559	.5
45	MP5B	Mx	-.023	.5
46	MP5B	X	19.375	4.5
47	MP5B	Z	33.559	4.5
48	MP5B	Mx	-.023	4.5
49	MP5C	X	13.989	.5
50	MP5C	Z	24.229	.5
51	MP5C	Mx	.019	.5
52	MP5C	X	13.989	4.5
53	MP5C	Z	24.229	4.5
54	MP5C	Mx	.019	4.5
55	MP1A	X	6.554	.5
56	MP1A	Z	11.351	.5
57	MP1A	Mx	-.003	.5
58	MP1A	X	6.554	4.5
59	MP1A	Z	11.351	4.5
60	MP1A	Mx	-.003	4.5
61	MP1B	X	6.554	.5
62	MP1B	Z	11.351	.5
63	MP1B	Mx	-.003	.5
64	MP1B	X	6.554	4.5
65	MP1B	Z	11.351	4.5
66	MP1B	Mx	-.003	4.5
67	MP1C	X	3.893	.5
68	MP1C	Z	6.744	.5
69	MP1C	Mx	.004	.5
70	MP1C	X	3.893	4.5
71	MP1C	Z	6.744	4.5
72	MP1C	Mx	.004	4.5
73	MP2A	X	8.071	1.5
74	MP2A	Z	13.979	1.5
75	MP2A	Mx	-.004	1.5
76	MP2B	X	9.675	1.5
77	MP2B	Z	16.757	1.5
78	MP2B	Mx	0	1.5
79	MP2C	X	4.009	1.5
80	MP2C	Z	6.943	1.5
81	MP2C	Mx	.004	1.5
82	RADIOA	X	6.248	.5
83	RADIOA	Z	10.822	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	5.591	3
86	MP4A	Z	9.684	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
87	MP4A	Mx	-.003	3
88	MP4B	X	6.248	3
89	MP4B	Z	10.822	3
90	MP4B	Mx	0	3
91	MP4C	X	3.928	3
92	MP4C	Z	6.804	3
93	MP4C	Mx	.004	3
94	MP2A	X	3.166	3
95	MP2A	Z	5.484	3
96	MP2A	Mx	.002	3
97	MP2B	X	3.557	3
98	MP2B	Z	6.16	3
99	MP2B	Mx	0	3
100	MP2C	X	2.177	3
101	MP2C	Z	3.771	3
102	MP2C	Mx	-.002	3
103	MP3A	X	2.569	3
104	MP3A	Z	4.45	3
105	MP3A	Mx	.001	3
106	MP3B	X	2.742	3
107	MP3B	Z	4.749	3
108	MP3B	Mx	0	3
109	MP3C	X	2.131	3
110	MP3C	Z	3.691	3
111	MP3C	Mx	-.002	3
112	RADIOB	X	6.248	.5
113	RADIOB	Z	10.822	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	6.248	.5
116	RADIOC	Z	10.822	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	.913	3
119	MP5A	Z	1.581	3
120	MP5A	Mx	.000386	3
121	MP5A	X	.913	4
122	MP5A	Z	1.581	4
123	MP5A	Mx	.000386	4
124	MP5B	X	.645	3
125	MP5B	Z	1.118	3
126	MP5B	Mx	.000431	3
127	MP5B	X	.645	4
128	MP5B	Z	1.118	4
129	MP5B	Mx	.000431	4
130	MP5C	X	1.591	3
131	MP5C	Z	2.756	3
132	MP5C	Mx	-.003	3
133	MP5C	X	1.591	4
134	MP5C	Z	2.756	4
135	MP5C	Mx	-.003	4
136	MP5A	X	.913	3
137	MP5A	Z	1.581	3
138	MP5A	Mx	.001	3
139	MP5A	X	.913	4
140	MP5A	Z	1.581	4
141	MP5A	Mx	.001	4
142	MP5B	X	.645	3
143	MP5B	Z	1.118	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
144	MP5B	Mx	-.00043	3
145	MP5B	X	.645	4
146	MP5B	Z	1.118	4
147	MP5B	Mx	-.00043	4
148	MP5C	X	1.591	3
149	MP5C	Z	2.756	3
150	MP5C	Mx	-.003	3
151	MP5C	X	1.591	4
152	MP5C	Z	2.756	4
153	MP5C	Mx	-.003	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	2
2	MP3A	Z	14.835	2
3	MP3A	Mx	0	2
4	MP3A	X	0	3
5	MP3A	Z	14.835	3
6	MP3A	Mx	0	3
7	MP3B	X	0	2
8	MP3B	Z	12.705	2
9	MP3B	Mx	-.003	2
10	MP3B	X	0	3
11	MP3B	Z	12.705	3
12	MP3B	Mx	-.003	3
13	MP3C	X	0	2
14	MP3C	Z	6.571	2
15	MP3C	Mx	.003	2
16	MP3C	X	0	3
17	MP3C	Z	6.571	3
18	MP3C	Mx	.003	3
19	MP5A	X	0	.5
20	MP5A	Z	38.751	.5
21	MP5A	Mx	-.023	.5
22	MP5A	X	0	4.5
23	MP5A	Z	38.751	4.5
24	MP5A	Mx	-.023	4.5
25	MP5B	X	0	.5
26	MP5B	Z	35.7	.5
27	MP5B	Mx	.009	.5
28	MP5B	X	0	4.5
29	MP5B	Z	35.7	4.5
30	MP5B	Mx	.009	4.5
31	MP5C	X	0	.5
32	MP5C	Z	26.918	.5
33	MP5C	Mx	.016	.5
34	MP5C	X	0	4.5
35	MP5C	Z	26.918	4.5
36	MP5C	Mx	.016	4.5
37	MP5A	X	0	.5
38	MP5A	Z	38.751	.5
39	MP5A	Mx	.023	.5
40	MP5A	X	0	4.5
41	MP5A	Z	38.751	4.5
42	MP5A	Mx	.023	4.5
43	MP5B	X	0	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
44	MP5B	Z	35.7	.5
45	MP5B	Mx	-.027	.5
46	MP5B	X	0	4.5
47	MP5B	Z	35.7	4.5
48	MP5B	Mx	-.027	4.5
49	MP5C	X	0	.5
50	MP5C	Z	26.918	.5
51	MP5C	Mx	.011	.5
52	MP5C	X	0	4.5
53	MP5C	Z	26.918	4.5
54	MP5C	Mx	.011	4.5
55	MP1A	X	0	.5
56	MP1A	Z	14.881	.5
57	MP1A	Mx	0	.5
58	MP1A	X	0	4.5
59	MP1A	Z	14.881	4.5
60	MP1A	Mx	0	4.5
61	MP1B	X	0	.5
62	MP1B	Z	9.56	.5
63	MP1B	Mx	-.004	.5
64	MP1B	X	0	4.5
65	MP1B	Z	9.56	4.5
66	MP1B	Mx	-.004	4.5
67	MP1C	X	0	.5
68	MP1C	Z	9.56	.5
69	MP1C	Mx	.004	.5
70	MP1C	X	0	4.5
71	MP1C	Z	9.56	4.5
72	MP1C	Mx	.004	4.5
73	MP2A	X	0	1.5
74	MP2A	Z	19.349	1.5
75	MP2A	Mx	0	1.5
76	MP2B	X	0	1.5
77	MP2B	Z	16.141	1.5
78	MP2B	Mx	-.004	1.5
79	MP2C	X	0	1.5
80	MP2C	Z	6.903	1.5
81	MP2C	Mx	.003	1.5
82	RADIOA	X	0	.5
83	RADIOA	Z	11.544	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	0	3
86	MP4A	Z	12.496	3
87	MP4A	Mx	0	3
88	MP4B	X	0	3
89	MP4B	Z	11.183	3
90	MP4B	Mx	-.003	3
91	MP4C	X	0	3
92	MP4C	Z	7.4	3
93	MP4C	Mx	.004	3
94	MP2A	X	0	3
95	MP2A	Z	7.113	3
96	MP2A	Mx	0	3
97	MP2B	X	0	3
98	MP2B	Z	6.332	3
99	MP2B	Mx	.002	3
100	MP2C	X	0	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP2C	Z	4.083	3
102	MP2C	Mx	-0.002	3
103	MP3A	X	0	3
104	MP3A	Z	5.484	3
105	MP3A	Mx	0	3
106	MP3B	X	0	3
107	MP3B	Z	5.138	3
108	MP3B	Mx	.001	3
109	MP3C	X	0	3
110	MP3C	Z	4.142	3
111	MP3C	Mx	-0.002	3
112	RADIOB	X	0	.5
113	RADIOB	Z	11.544	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	0	.5
116	RADIOC	Z	11.544	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	0	3
119	MP5A	Z	1.29	3
120	MP5A	Mx	-0.0043	3
121	MP5A	X	0	4
122	MP5A	Z	1.29	4
123	MP5A	Mx	-0.0043	4
124	MP5B	X	0	3
125	MP5B	Z	1.826	3
126	MP5B	Mx	.001	3
127	MP5B	X	0	4
128	MP5B	Z	1.826	4
129	MP5B	Mx	.001	4
130	MP5C	X	0	3
131	MP5C	Z	3.368	3
132	MP5C	Mx	-0.003	3
133	MP5C	X	0	4
134	MP5C	Z	3.368	4
135	MP5C	Mx	-0.003	4
136	MP5A	X	0	3
137	MP5A	Z	1.29	3
138	MP5A	Mx	.00043	3
139	MP5A	X	0	4
140	MP5A	Z	1.29	4
141	MP5A	Mx	.00043	4
142	MP5B	X	0	3
143	MP5B	Z	1.826	3
144	MP5B	Mx	.000386	3
145	MP5B	X	0	4
146	MP5B	Z	1.826	4
147	MP5B	Mx	.000386	4
148	MP5C	X	0	3
149	MP5C	Z	3.368	3
150	MP5C	Mx	-0.004	3
151	MP5C	X	0	4
152	MP5C	Z	3.368	4
153	MP5C	Mx	-0.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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Member Point Loads (BLC 22 : Antenna Wi (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-6.352	2
2	MP3A	Z	11.003	2
3	MP3A	Mx	.003	2
4	MP3A	X	-6.352	3
5	MP3A	Z	11.003	3
6	MP3A	Mx	.003	3
7	MP3B	X	-4.222	2
8	MP3B	Z	7.313	2
9	MP3B	Mx	-.004	2
10	MP3B	X	-4.222	3
11	MP3B	Z	7.313	3
12	MP3B	Mx	-.004	3
13	MP3C	X	-4.917	2
14	MP3C	Z	8.517	2
15	MP3C	Mx	.004	2
16	MP3C	X	-4.917	3
17	MP3C	Z	8.517	3
18	MP3C	Mx	.004	3
19	MP5A	X	-17.85	.5
20	MP5A	Z	30.917	.5
21	MP5A	Mx	-.009	.5
22	MP5A	X	-17.85	4.5
23	MP5A	Z	30.917	4.5
24	MP5A	Mx	-.009	4.5
25	MP5B	X	-14.8	.5
26	MP5B	Z	25.634	.5
27	MP5B	Mx	-.004	.5
28	MP5B	X	-14.8	4.5
29	MP5B	Z	25.634	4.5
30	MP5B	Mx	-.004	4.5
31	MP5C	X	-15.795	.5
32	MP5C	Z	27.359	.5
33	MP5C	Mx	.024	.5
34	MP5C	X	-15.795	4.5
35	MP5C	Z	27.359	4.5
36	MP5C	Mx	.024	4.5
37	MP5A	X	-17.85	.5
38	MP5A	Z	30.917	.5
39	MP5A	Mx	.027	.5
40	MP5A	X	-17.85	4.5
41	MP5A	Z	30.917	4.5
42	MP5A	Mx	.027	4.5
43	MP5B	X	-14.8	.5
44	MP5B	Z	25.634	.5
45	MP5B	Mx	-.021	.5
46	MP5B	X	-14.8	4.5
47	MP5B	Z	25.634	4.5
48	MP5B	Mx	-.021	4.5
49	MP5C	X	-15.795	.5
50	MP5C	Z	27.359	.5
51	MP5C	Mx	.000255	.5
52	MP5C	X	-15.795	4.5
53	MP5C	Z	27.359	4.5
54	MP5C	Mx	.000255	4.5
55	MP1A	X	-6.554	.5
56	MP1A	Z	11.351	.5
57	MP1A	Mx	.003	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	-6.554	4.5
59	MP1A	Z	11.351	4.5
60	MP1A	Mx	.003	4.5
61	MP1B	X	-3.893	.5
62	MP1B	Z	6.744	.5
63	MP1B	Mx	-.004	.5
64	MP1B	X	-3.893	4.5
65	MP1B	Z	6.744	4.5
66	MP1B	Mx	-.004	4.5
67	MP1C	X	-6.554	.5
68	MP1C	Z	11.351	.5
69	MP1C	Mx	.003	.5
70	MP1C	X	-6.554	4.5
71	MP1C	Z	11.351	4.5
72	MP1C	Mx	.003	4.5
73	MP2A	X	-8.071	1.5
74	MP2A	Z	13.979	1.5
75	MP2A	Mx	.004	1.5
76	MP2B	X	-4.862	1.5
77	MP2B	Z	8.422	1.5
78	MP2B	Mx	-.004	1.5
79	MP2C	X	-5.909	1.5
80	MP2C	Z	10.235	1.5
81	MP2C	Mx	.005	1.5
82	RADIOA	X	-4.82	.5
83	RADIOA	Z	8.349	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	-5.591	3
86	MP4A	Z	9.684	3
87	MP4A	Mx	.003	3
88	MP4B	X	-4.278	3
89	MP4B	Z	7.409	3
90	MP4B	Mx	-.004	3
91	MP4C	X	-4.706	3
92	MP4C	Z	8.152	3
93	MP4C	Mx	.004	3
94	MP2A	X	-3.166	3
95	MP2A	Z	5.484	3
96	MP2A	Mx	-.002	3
97	MP2B	X	-2.385	3
98	MP2B	Z	4.131	3
99	MP2B	Mx	.002	3
100	MP2C	X	-2.64	3
101	MP2C	Z	4.572	3
102	MP2C	Mx	-.002	3
103	MP3A	X	-2.569	3
104	MP3A	Z	4.45	3
105	MP3A	Mx	-.001	3
106	MP3B	X	-2.223	3
107	MP3B	Z	3.85	3
108	MP3B	Mx	.002	3
109	MP3C	X	-2.336	3
110	MP3C	Z	4.046	3
111	MP3C	Mx	-.002	3
112	RADIOB	X	-4.82	.5
113	RADIOB	Z	8.349	.5
114	RADIOB	Mx	0	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
115	RADIOC	X	-4.82	.5
116	RADIOC	Z	8.349	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	-.913	3
119	MP5A	Z	1.581	3
120	MP5A	Mx	-.001	3
121	MP5A	X	-.913	4
122	MP5A	Z	1.581	4
123	MP5A	Mx	-.001	4
124	MP5B	X	-1.448	3
125	MP5B	Z	2.509	3
126	MP5B	Mx	.003	3
127	MP5B	X	-1.448	4
128	MP5B	Z	2.509	4
129	MP5B	Mx	.003	4
130	MP5C	X	-1.274	3
131	MP5C	Z	2.206	3
132	MP5C	Mx	-.001	3
133	MP5C	X	-1.274	4
134	MP5C	Z	2.206	4
135	MP5C	Mx	-.001	4
136	MP5A	X	-.913	3
137	MP5A	Z	1.581	3
138	MP5A	Mx	-.000386	3
139	MP5A	X	-.913	4
140	MP5A	Z	1.581	4
141	MP5A	Mx	-.000386	4
142	MP5B	X	-1.448	3
143	MP5B	Z	2.509	3
144	MP5B	Mx	.002	3
145	MP5B	X	-1.448	4
146	MP5B	Z	2.509	4
147	MP5B	Mx	.002	4
148	MP5C	X	-1.274	3
149	MP5C	Z	2.206	3
150	MP5C	Mx	-.002	3
151	MP5C	X	-1.274	4
152	MP5C	Z	2.206	4
153	MP5C	Mx	-.002	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-7.313	2
2	MP3A	Z	4.222	2
3	MP3A	Mx	.004	2
4	MP3A	X	-7.313	3
5	MP3A	Z	4.222	3
6	MP3A	Mx	.004	3
7	MP3B	X	-5.468	2
8	MP3B	Z	3.157	2
9	MP3B	Mx	-.003	2
10	MP3B	X	-5.468	3
11	MP3B	Z	3.157	3
12	MP3B	Mx	-.003	3
13	MP3C	X	-11.984	2
14	MP3C	Z	6.919	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
15	MP3C	Mx	.002	2
16	MP3C	X	-11.984	3
17	MP3C	Z	6.919	3
18	MP3C	Mx	.002	3
19	MP5A	X	-25.634	.5
20	MP5A	Z	14.8	.5
21	MP5A	Mx	.004	.5
22	MP5A	X	-25.634	4.5
23	MP5A	Z	14.8	4.5
24	MP5A	Mx	.004	4.5
25	MP5B	X	-22.993	.5
26	MP5B	Z	13.275	.5
27	MP5B	Mx	-.013	.5
28	MP5B	X	-22.993	4.5
29	MP5B	Z	13.275	4.5
30	MP5B	Mx	-.013	4.5
31	MP5C	X	-32.323	.5
32	MP5C	Z	18.662	.5
33	MP5C	Mx	.027	.5
34	MP5C	X	-32.323	4.5
35	MP5C	Z	18.662	4.5
36	MP5C	Mx	.027	4.5
37	MP5A	X	-25.634	.5
38	MP5A	Z	14.8	.5
39	MP5A	Mx	.021	.5
40	MP5A	X	-25.634	4.5
41	MP5A	Z	14.8	4.5
42	MP5A	Mx	.021	4.5
43	MP5B	X	-22.993	.5
44	MP5B	Z	13.275	.5
45	MP5B	Mx	-.013	.5
46	MP5B	X	-22.993	4.5
47	MP5B	Z	13.275	4.5
48	MP5B	Mx	-.013	4.5
49	MP5C	X	-32.323	.5
50	MP5C	Z	18.662	.5
51	MP5C	Mx	-.014	.5
52	MP5C	X	-32.323	4.5
53	MP5C	Z	18.662	4.5
54	MP5C	Mx	-.014	4.5
55	MP1A	X	-8.28	.5
56	MP1A	Z	4.78	.5
57	MP1A	Mx	.004	.5
58	MP1A	X	-8.28	4.5
59	MP1A	Z	4.78	4.5
60	MP1A	Mx	.004	4.5
61	MP1B	X	-8.28	.5
62	MP1B	Z	4.78	.5
63	MP1B	Mx	-.004	.5
64	MP1B	X	-8.28	4.5
65	MP1B	Z	4.78	4.5
66	MP1B	Mx	-.004	4.5
67	MP1C	X	-12.887	.5
68	MP1C	Z	7.441	.5
69	MP1C	Mx	0	.5
70	MP1C	X	-12.887	4.5
71	MP1C	Z	7.441	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP1C	Mx	0	4.5
73	MP2A	X	-8.422	1.5
74	MP2A	Z	4.862	1.5
75	MP2A	Mx	.004	1.5
76	MP2B	X	-5.643	1.5
77	MP2B	Z	3.258	1.5
78	MP2B	Mx	-.003	1.5
79	MP2C	X	-15.457	1.5
80	MP2C	Z	8.924	1.5
81	MP2C	Mx	.003	1.5
82	RADIOA	X	-7.525	.5
83	RADIOA	Z	4.344	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	-7.409	3
86	MP4A	Z	4.278	3
87	MP4A	Mx	.004	3
88	MP4B	X	-6.272	3
89	MP4B	Z	3.621	3
90	MP4B	Mx	-.004	3
91	MP4C	X	-10.29	3
92	MP4C	Z	5.941	3
93	MP4C	Mx	.002	3
94	MP2A	X	-4.131	3
95	MP2A	Z	2.385	3
96	MP2A	Mx	-.002	3
97	MP2B	X	-3.454	3
98	MP2B	Z	1.994	3
99	MP2B	Mx	.002	3
100	MP2C	X	-5.844	3
101	MP2C	Z	3.374	3
102	MP2C	Mx	-.001	3
103	MP3A	X	-3.85	3
104	MP3A	Z	2.223	3
105	MP3A	Mx	-.002	3
106	MP3B	X	-3.551	3
107	MP3B	Z	2.05	3
108	MP3B	Mx	.002	3
109	MP3C	X	-4.609	3
110	MP3C	Z	2.661	3
111	MP3C	Mx	-.00091	3
112	RADIOB	X	-7.525	.5
113	RADIOB	Z	4.344	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	-7.525	.5
116	RADIOC	Z	4.344	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	-2.509	3
119	MP5A	Z	1.448	3
120	MP5A	Mx	-.003	3
121	MP5A	X	-2.509	4
122	MP5A	Z	1.448	4
123	MP5A	Mx	-.003	4
124	MP5B	X	-2.973	3
125	MP5B	Z	1.716	3
126	MP5B	Mx	.003	3
127	MP5B	X	-2.973	4
128	MP5B	Z	1.716	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
129	MP5B	Mx	.003	4
130	MP5C	X	-1.335	3
131	MP5C	Z	.771	3
132	MP5C	Mx	-4.5e-5	3
133	MP5C	X	-1.335	4
134	MP5C	Z	.771	4
135	MP5C	Mx	-4.5e-5	4
136	MP5A	X	-2.509	3
137	MP5A	Z	1.448	3
138	MP5A	Mx	-.002	3
139	MP5A	X	-2.509	4
140	MP5A	Z	1.448	4
141	MP5A	Mx	-.002	4
142	MP5B	X	-2.973	3
143	MP5B	Z	1.716	3
144	MP5B	Mx	.003	3
145	MP5B	X	-2.973	4
146	MP5B	Z	1.716	4
147	MP5B	Mx	.003	4
148	MP5C	X	-1.335	3
149	MP5C	Z	.771	3
150	MP5C	Mx	-.001	3
151	MP5C	X	-1.335	4
152	MP5C	Z	.771	4
153	MP5C	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-6.314	2
2	MP3A	Z	0	2
3	MP3A	Mx	.003	2
4	MP3A	X	-6.314	3
5	MP3A	Z	0	3
6	MP3A	Mx	.003	3
7	MP3B	X	-8.444	2
8	MP3B	Z	0	2
9	MP3B	Mx	-.004	2
10	MP3B	X	-8.444	3
11	MP3B	Z	0	3
12	MP3B	Mx	-.004	3
13	MP3C	X	-14.578	2
14	MP3C	Z	0	2
15	MP3C	Mx	-.001	2
16	MP3C	X	-14.578	3
17	MP3C	Z	0	3
18	MP3C	Mx	-.001	3
19	MP5A	X	-26.55	.5
20	MP5A	Z	0	.5
21	MP5A	Mx	.013	.5
22	MP5A	X	-26.55	4.5
23	MP5A	Z	0	4.5
24	MP5A	Mx	.013	4.5
25	MP5B	X	-29.6	.5
26	MP5B	Z	0	.5
27	MP5B	Mx	-.021	.5
28	MP5B	X	-29.6	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP5B	Z	0	4.5
30	MP5B	Mx	-.021	4.5
31	MP5C	X	-38.383	.5
32	MP5C	Z	0	.5
33	MP5C	Mx	.019	.5
34	MP5C	X	-38.383	4.5
35	MP5C	Z	0	4.5
36	MP5C	Mx	.019	4.5
37	MP5A	X	-26.55	.5
38	MP5A	Z	0	.5
39	MP5A	Mx	.013	.5
40	MP5A	X	-26.55	4.5
41	MP5A	Z	0	4.5
42	MP5A	Mx	.013	4.5
43	MP5B	X	-29.6	.5
44	MP5B	Z	0	.5
45	MP5B	Mx	-.004	.5
46	MP5B	X	-29.6	4.5
47	MP5B	Z	0	4.5
48	MP5B	Mx	-.004	4.5
49	MP5C	X	-38.383	.5
50	MP5C	Z	0	.5
51	MP5C	Mx	-.025	.5
52	MP5C	X	-38.383	4.5
53	MP5C	Z	0	4.5
54	MP5C	Mx	-.025	4.5
55	MP1A	X	-7.787	.5
56	MP1A	Z	0	.5
57	MP1A	Mx	.004	.5
58	MP1A	X	-7.787	4.5
59	MP1A	Z	0	4.5
60	MP1A	Mx	.004	4.5
61	MP1B	X	-13.108	.5
62	MP1B	Z	0	.5
63	MP1B	Mx	-.003	.5
64	MP1B	X	-13.108	4.5
65	MP1B	Z	0	4.5
66	MP1B	Mx	-.003	4.5
67	MP1C	X	-13.108	.5
68	MP1C	Z	0	.5
69	MP1C	Mx	-.003	.5
70	MP1C	X	-13.108	4.5
71	MP1C	Z	0	4.5
72	MP1C	Mx	-.003	4.5
73	MP2A	X	-6.516	1.5
74	MP2A	Z	0	1.5
75	MP2A	Mx	.003	1.5
76	MP2B	X	-9.724	1.5
77	MP2B	Z	0	1.5
78	MP2B	Mx	-.004	1.5
79	MP2C	X	-18.962	1.5
80	MP2C	Z	0	1.5
81	MP2C	Mx	-.002	1.5
82	RADIOA	X	-9.641	.5
83	RADIOA	Z	0	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	-7.242	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
86	MP4A	Z	0	3
87	MP4A	Mx	.004	3
88	MP4B	X	-8.556	3
89	MP4B	Z	0	3
90	MP4B	Mx	-.004	3
91	MP4C	X	-12.338	3
92	MP4C	Z	0	3
93	MP4C	Mx	-.001	3
94	MP2A	X	-3.989	3
95	MP2A	Z	0	3
96	MP2A	Mx	-.002	3
97	MP2B	X	-4.77	3
98	MP2B	Z	0	3
99	MP2B	Mx	.002	3
100	MP2C	X	-7.019	3
101	MP2C	Z	0	3
102	MP2C	Mx	.000609	3
103	MP3A	X	-4.1	3
104	MP3A	Z	0	3
105	MP3A	Mx	-.002	3
106	MP3B	X	-4.446	3
107	MP3B	Z	0	3
108	MP3B	Mx	.002	3
109	MP3C	X	-5.442	3
110	MP3C	Z	0	3
111	MP3C	Mx	.000472	3
112	RADIOB	X	-9.641	.5
113	RADIOB	Z	0	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	-9.641	.5
116	RADIOC	Z	0	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	-3.432	3
119	MP5A	Z	0	3
120	MP5A	Mx	-.003	3
121	MP5A	X	-3.432	4
122	MP5A	Z	0	4
123	MP5A	Mx	-.003	4
124	MP5B	X	-2.897	3
125	MP5B	Z	0	3
126	MP5B	Mx	.002	3
127	MP5B	X	-2.897	4
128	MP5B	Z	0	4
129	MP5B	Mx	.002	4
130	MP5C	X	-1.355	3
131	MP5C	Z	0	3
132	MP5C	Mx	.00068	3
133	MP5C	X	-1.355	4
134	MP5C	Z	0	4
135	MP5C	Mx	.00068	4
136	MP5A	X	-3.432	3
137	MP5A	Z	0	3
138	MP5A	Mx	-.003	3
139	MP5A	X	-3.432	4
140	MP5A	Z	0	4
141	MP5A	Mx	-.003	4
142	MP5B	X	-2.897	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
143	MP5B	Z	0	3
144	MP5B	Mx	.003	3
145	MP5B	X	-2.897	4
146	MP5B	Z	0	4
147	MP5B	Mx	.003	4
148	MP5C	X	-1.355	3
149	MP5C	Z	0	3
150	MP5C	Mx	-0.0021	3
151	MP5C	X	-1.355	4
152	MP5C	Z	0	4
153	MP5C	Mx	-0.0021	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-7.313	2
2	MP3A	Z	-4.222	2
3	MP3A	Mx	.004	2
4	MP3A	X	-7.313	3
5	MP3A	Z	-4.222	3
6	MP3A	Mx	.004	3
7	MP3B	X	-11.003	2
8	MP3B	Z	-6.352	2
9	MP3B	Mx	-.003	2
10	MP3B	X	-11.003	3
11	MP3B	Z	-6.352	3
12	MP3B	Mx	-.003	3
13	MP3C	X	-9.798	2
14	MP3C	Z	-5.657	2
15	MP3C	Mx	-.004	2
16	MP3C	X	-9.798	3
17	MP3C	Z	-5.657	3
18	MP3C	Mx	-.004	3
19	MP5A	X	-25.634	.5
20	MP5A	Z	-14.8	.5
21	MP5A	Mx	.021	.5
22	MP5A	X	-25.634	4.5
23	MP5A	Z	-14.8	4.5
24	MP5A	Mx	.021	4.5
25	MP5B	X	-30.917	.5
26	MP5B	Z	-17.85	.5
27	MP5B	Mx	-.027	.5
28	MP5B	X	-30.917	4.5
29	MP5B	Z	-17.85	4.5
30	MP5B	Mx	-.027	4.5
31	MP5C	X	-29.193	.5
32	MP5C	Z	-16.855	.5
33	MP5C	Mx	.004	.5
34	MP5C	X	-29.193	4.5
35	MP5C	Z	-16.855	4.5
36	MP5C	Mx	.004	4.5
37	MP5A	X	-25.634	.5
38	MP5A	Z	-14.8	.5
39	MP5A	Mx	.004	.5
40	MP5A	X	-25.634	4.5
41	MP5A	Z	-14.8	4.5
42	MP5A	Mx	.004	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP5B	X	-30.917	.5
44	MP5B	Z	-17.85	.5
45	MP5B	Mx	.009	.5
46	MP5B	X	-30.917	4.5
47	MP5B	Z	-17.85	4.5
48	MP5B	Mx	.009	4.5
49	MP5C	X	-29.193	.5
50	MP5C	Z	-16.855	.5
51	MP5C	Mx	-.026	.5
52	MP5C	X	-29.193	4.5
53	MP5C	Z	-16.855	4.5
54	MP5C	Mx	-.026	4.5
55	MP1A	X	-8.28	.5
56	MP1A	Z	-4.78	.5
57	MP1A	Mx	.004	.5
58	MP1A	X	-8.28	4.5
59	MP1A	Z	-4.78	4.5
60	MP1A	Mx	.004	4.5
61	MP1B	X	-12.887	.5
62	MP1B	Z	-7.441	.5
63	MP1B	Mx	0	.5
64	MP1B	X	-12.887	4.5
65	MP1B	Z	-7.441	4.5
66	MP1B	Mx	0	4.5
67	MP1C	X	-8.28	.5
68	MP1C	Z	-4.78	.5
69	MP1C	Mx	-.004	.5
70	MP1C	X	-8.28	4.5
71	MP1C	Z	-4.78	4.5
72	MP1C	Mx	-.004	4.5
73	MP2A	X	-8.422	1.5
74	MP2A	Z	-4.862	1.5
75	MP2A	Mx	.004	1.5
76	MP2B	X	-13.979	1.5
77	MP2B	Z	-8.071	1.5
78	MP2B	Mx	-.004	1.5
79	MP2C	X	-12.165	1.5
80	MP2C	Z	-7.023	1.5
81	MP2C	Mx	-.005	1.5
82	RADIOA	X	-9.998	.5
83	RADIOA	Z	-5.772	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	-7.409	3
86	MP4A	Z	-4.278	3
87	MP4A	Mx	.004	3
88	MP4B	X	-9.684	3
89	MP4B	Z	-5.591	3
90	MP4B	Mx	-.003	3
91	MP4C	X	-8.942	3
92	MP4C	Z	-5.163	3
93	MP4C	Mx	-.003	3
94	MP2A	X	-4.131	3
95	MP2A	Z	-2.385	3
96	MP2A	Mx	-.002	3
97	MP2B	X	-5.484	3
98	MP2B	Z	-3.166	3
99	MP2B	Mx	.002	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
100	MP2C	X	-5.042	3
101	MP2C	Z	-2.911	3
102	MP2C	Mx	.002	3
103	MP3A	X	-3.85	3
104	MP3A	Z	-2.223	3
105	MP3A	Mx	-.002	3
106	MP3B	X	-4.45	3
107	MP3B	Z	-2.569	3
108	MP3B	Mx	.001	3
109	MP3C	X	-4.254	3
110	MP3C	Z	-2.456	3
111	MP3C	Mx	.002	3
112	RADIOB	X	-9.998	.5
113	RADIOB	Z	-5.772	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	-9.998	.5
116	RADIOC	Z	-5.772	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	-2.509	3
119	MP5A	Z	-1.448	3
120	MP5A	Mx	-.002	3
121	MP5A	X	-2.509	4
122	MP5A	Z	-1.448	4
123	MP5A	Mx	-.002	4
124	MP5B	X	-1.581	3
125	MP5B	Z	-.913	3
126	MP5B	Mx	.000386	3
127	MP5B	X	-1.581	4
128	MP5B	Z	-.913	4
129	MP5B	Mx	.000386	4
130	MP5C	X	-1.884	3
131	MP5C	Z	-1.088	3
132	MP5C	Mx	.002	3
133	MP5C	X	-1.884	4
134	MP5C	Z	-1.088	4
135	MP5C	Mx	.002	4
136	MP5A	X	-2.509	3
137	MP5A	Z	-1.448	3
138	MP5A	Mx	-.003	3
139	MP5A	X	-2.509	4
140	MP5A	Z	-1.448	4
141	MP5A	Mx	-.003	4
142	MP5B	X	-1.581	3
143	MP5B	Z	-.913	3
144	MP5B	Mx	.001	3
145	MP5B	X	-1.581	4
146	MP5B	Z	-.913	4
147	MP5B	Mx	.001	4
148	MP5C	X	-1.884	3
149	MP5C	Z	-1.088	3
150	MP5C	Mx	.000843	3
151	MP5C	X	-1.884	4
152	MP5C	Z	-1.088	4
153	MP5C	Mx	.000843	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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Member Point Loads (BLC 26 : Antenna Wi (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-6.352	2
2	MP3A	Z	-11.003	2
3	MP3A	Mx	.003	2
4	MP3A	X	-6.352	3
5	MP3A	Z	-11.003	3
6	MP3A	Mx	.003	3
7	MP3B	X	-7.418	2
8	MP3B	Z	-12.848	2
9	MP3B	Mx	0	2
10	MP3B	X	-7.418	3
11	MP3B	Z	-12.848	3
12	MP3B	Mx	0	3
13	MP3C	X	-3.655	2
14	MP3C	Z	-6.331	2
15	MP3C	Mx	-.003	2
16	MP3C	X	-3.655	3
17	MP3C	Z	-6.331	3
18	MP3C	Mx	-.003	3
19	MP5A	X	-17.85	.5
20	MP5A	Z	-30.917	.5
21	MP5A	Mx	.027	.5
22	MP5A	X	-17.85	4.5
23	MP5A	Z	-30.917	4.5
24	MP5A	Mx	.027	4.5
25	MP5B	X	-19.375	.5
26	MP5B	Z	-33.559	.5
27	MP5B	Mx	-.023	.5
28	MP5B	X	-19.375	4.5
29	MP5B	Z	-33.559	4.5
30	MP5B	Mx	-.023	4.5
31	MP5C	X	-13.989	.5
32	MP5C	Z	-24.229	.5
33	MP5C	Mx	-.008	.5
34	MP5C	X	-13.989	4.5
35	MP5C	Z	-24.229	4.5
36	MP5C	Mx	-.008	4.5
37	MP5A	X	-17.85	.5
38	MP5A	Z	-30.917	.5
39	MP5A	Mx	-.009	.5
40	MP5A	X	-17.85	4.5
41	MP5A	Z	-30.917	4.5
42	MP5A	Mx	-.009	4.5
43	MP5B	X	-19.375	.5
44	MP5B	Z	-33.559	.5
45	MP5B	Mx	.023	.5
46	MP5B	X	-19.375	4.5
47	MP5B	Z	-33.559	4.5
48	MP5B	Mx	.023	4.5
49	MP5C	X	-13.989	.5
50	MP5C	Z	-24.229	.5
51	MP5C	Mx	-.019	.5
52	MP5C	X	-13.989	4.5
53	MP5C	Z	-24.229	4.5
54	MP5C	Mx	-.019	4.5
55	MP1A	X	-6.554	.5
56	MP1A	Z	-11.351	.5
57	MP1A	Mx	.003	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	-6.554	4.5
59	MP1A	Z	-11.351	4.5
60	MP1A	Mx	.003	4.5
61	MP1B	X	-6.554	.5
62	MP1B	Z	-11.351	.5
63	MP1B	Mx	.003	.5
64	MP1B	X	-6.554	4.5
65	MP1B	Z	-11.351	4.5
66	MP1B	Mx	.003	4.5
67	MP1C	X	-3.893	.5
68	MP1C	Z	-6.744	.5
69	MP1C	Mx	-.004	.5
70	MP1C	X	-3.893	4.5
71	MP1C	Z	-6.744	4.5
72	MP1C	Mx	-.004	4.5
73	MP2A	X	-8.071	1.5
74	MP2A	Z	-13.979	1.5
75	MP2A	Mx	.004	1.5
76	MP2B	X	-9.675	1.5
77	MP2B	Z	-16.757	1.5
78	MP2B	Mx	0	1.5
79	MP2C	X	-4.009	1.5
80	MP2C	Z	-6.943	1.5
81	MP2C	Mx	-.004	1.5
82	RADIOA	X	-6.248	.5
83	RADIOA	Z	-10.822	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	-5.591	3
86	MP4A	Z	-9.684	3
87	MP4A	Mx	.003	3
88	MP4B	X	-6.248	3
89	MP4B	Z	-10.822	3
90	MP4B	Mx	0	3
91	MP4C	X	-3.928	3
92	MP4C	Z	-6.804	3
93	MP4C	Mx	-.004	3
94	MP2A	X	-3.166	3
95	MP2A	Z	-5.484	3
96	MP2A	Mx	-.002	3
97	MP2B	X	-3.557	3
98	MP2B	Z	-6.16	3
99	MP2B	Mx	0	3
100	MP2C	X	-2.177	3
101	MP2C	Z	-3.771	3
102	MP2C	Mx	.002	3
103	MP3A	X	-2.569	3
104	MP3A	Z	-4.45	3
105	MP3A	Mx	-.001	3
106	MP3B	X	-2.742	3
107	MP3B	Z	-4.749	3
108	MP3B	Mx	0	3
109	MP3C	X	-2.131	3
110	MP3C	Z	-3.691	3
111	MP3C	Mx	.002	3
112	RADIOB	X	-6.248	.5
113	RADIOB	Z	-10.822	.5
114	RADIOB	Mx	0	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
115	RADIOC	X	-6.248	.5
116	RADIOC	Z	-10.822	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	-.913	3
119	MP5A	Z	-1.581	3
120	MP5A	Mx	-.000386	3
121	MP5A	X	-.913	4
122	MP5A	Z	-1.581	4
123	MP5A	Mx	-.000386	4
124	MP5B	X	-.645	3
125	MP5B	Z	-1.118	3
126	MP5B	Mx	-.000431	3
127	MP5B	X	-.645	4
128	MP5B	Z	-1.118	4
129	MP5B	Mx	-.000431	4
130	MP5C	X	-1.591	3
131	MP5C	Z	-2.756	3
132	MP5C	Mx	.003	3
133	MP5C	X	-1.591	4
134	MP5C	Z	-2.756	4
135	MP5C	Mx	.003	4
136	MP5A	X	-.913	3
137	MP5A	Z	-1.581	3
138	MP5A	Mx	-.001	3
139	MP5A	X	-.913	4
140	MP5A	Z	-1.581	4
141	MP5A	Mx	-.001	4
142	MP5B	X	-.645	3
143	MP5B	Z	-1.118	3
144	MP5B	Mx	.00043	3
145	MP5B	X	-.645	4
146	MP5B	Z	-1.118	4
147	MP5B	Mx	.00043	4
148	MP5C	X	-1.591	3
149	MP5C	Z	-2.756	3
150	MP5C	Mx	.003	3
151	MP5C	X	-1.591	4
152	MP5C	Z	-2.756	4
153	MP5C	Mx	.003	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	2
2	MP3A	Z	-3.948	2
3	MP3A	Mx	0	2
4	MP3A	X	0	3
5	MP3A	Z	-3.948	3
6	MP3A	Mx	0	3
7	MP3B	X	0	2
8	MP3B	Z	-3.301	2
9	MP3B	Mx	.000825	2
10	MP3B	X	0	3
11	MP3B	Z	-3.301	3
12	MP3B	Mx	.000825	3
13	MP3C	X	0	2
14	MP3C	Z	-1.438	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
15	MP3C	Mx	-0.00708	2
16	MP3C	X	0	3
17	MP3C	Z	-1.438	3
18	MP3C	Mx	-0.00708	3
19	MP5A	X	0	.5
20	MP5A	Z	-9.164	.5
21	MP5A	Mx	.005	.5
22	MP5A	X	0	4.5
23	MP5A	Z	-9.164	4.5
24	MP5A	Mx	.005	4.5
25	MP5B	X	0	.5
26	MP5B	Z	-7.794	.5
27	MP5B	Mx	-.002	.5
28	MP5B	X	0	4.5
29	MP5B	Z	-7.794	4.5
30	MP5B	Mx	-.002	4.5
31	MP5C	X	0	.5
32	MP5C	Z	-3.851	.5
33	MP5C	Mx	-.002	.5
34	MP5C	X	0	4.5
35	MP5C	Z	-3.851	4.5
36	MP5C	Mx	-.002	4.5
37	MP5A	X	0	.5
38	MP5A	Z	-9.164	.5
39	MP5A	Mx	-.005	.5
40	MP5A	X	0	4.5
41	MP5A	Z	-9.164	4.5
42	MP5A	Mx	-.005	4.5
43	MP5B	X	0	.5
44	MP5B	Z	-7.794	.5
45	MP5B	Mx	.006	.5
46	MP5B	X	0	4.5
47	MP5B	Z	-7.794	4.5
48	MP5B	Mx	.006	4.5
49	MP5C	X	0	.5
50	MP5C	Z	-3.851	.5
51	MP5C	Mx	-.002	.5
52	MP5C	X	0	4.5
53	MP5C	Z	-3.851	4.5
54	MP5C	Mx	-.002	4.5
55	MP1A	X	0	.5
56	MP1A	Z	-4.753	.5
57	MP1A	Mx	0	.5
58	MP1A	X	0	4.5
59	MP1A	Z	-4.753	4.5
60	MP1A	Mx	0	4.5
61	MP1B	X	0	.5
62	MP1B	Z	-2.886	.5
63	MP1B	Mx	.001	.5
64	MP1B	X	0	4.5
65	MP1B	Z	-2.886	4.5
66	MP1B	Mx	.001	4.5
67	MP1C	X	0	.5
68	MP1C	Z	-2.886	.5
69	MP1C	Mx	-.001	.5
70	MP1C	X	0	4.5
71	MP1C	Z	-2.886	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP1C	Mx	-.001	4.5
73	MP2A	X	0	1.5
74	MP2A	Z	-6.042	1.5
75	MP2A	Mx	0	1.5
76	MP2B	X	0	1.5
77	MP2B	Z	-4.968	1.5
78	MP2B	Mx	.001	1.5
79	MP2C	X	0	1.5
80	MP2C	Z	-1.877	1.5
81	MP2C	Mx	-.000924	1.5
82	RADIOA	X	0	.5
83	RADIOA	Z	-2.865	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	0	3
86	MP4A	Z	-3.122	3
87	MP4A	Mx	0	3
88	MP4B	X	0	3
89	MP4B	Z	-2.769	3
90	MP4B	Mx	.000692	3
91	MP4C	X	0	3
92	MP4C	Z	-1.754	3
93	MP4C	Mx	-.000864	3
94	MP2A	X	0	3
95	MP2A	Z	-1.45	3
96	MP2A	Mx	0	3
97	MP2B	X	0	3
98	MP2B	Z	-1.259	3
99	MP2B	Mx	-.000315	3
100	MP2C	X	0	3
101	MP2C	Z	-.708	3
102	MP2C	Mx	.000349	3
103	MP3A	X	0	3
104	MP3A	Z	-1.349	3
105	MP3A	Mx	0	3
106	MP3B	X	0	3
107	MP3B	Z	-1.271	3
108	MP3B	Mx	-.000318	3
109	MP3C	X	0	3
110	MP3C	Z	-1.047	3
111	MP3C	Mx	.000516	3
112	RADIOB	X	0	.5
113	RADIOB	Z	-2.865	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	0	.5
116	RADIOC	Z	-2.865	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	0	3
119	MP5A	Z	-.967	3
120	MP5A	Mx	.000322	3
121	MP5A	X	0	4
122	MP5A	Z	-.967	4
123	MP5A	Mx	.000322	4
124	MP5B	X	0	3
125	MP5B	Z	-.967	3
126	MP5B	Mx	-.000763	3
127	MP5B	X	0	4
128	MP5B	Z	-.967	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
129	MP5B	Mx	-0.00763	4
130	MP5C	X	0	3
131	MP5C	Z	-.97	3
132	MP5C	Mx	.000899	3
133	MP5C	X	0	4
134	MP5C	Z	-.97	4
135	MP5C	Mx	.000899	4
136	MP5A	X	0	3
137	MP5A	Z	-.967	3
138	MP5A	Mx	-.000322	3
139	MP5A	X	0	4
140	MP5A	Z	-.967	4
141	MP5A	Mx	-.000322	4
142	MP5B	X	0	3
143	MP5B	Z	-.967	3
144	MP5B	Mx	-.000204	3
145	MP5B	X	0	4
146	MP5B	Z	-.967	4
147	MP5B	Mx	-.000204	4
148	MP5C	X	0	3
149	MP5C	Z	-.97	3
150	MP5C	Mx	.001	3
151	MP5C	X	0	4
152	MP5C	Z	-.97	4
153	MP5C	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	1.65	2
2	MP3A	Z	-2.858	2
3	MP3A	Mx	-.000825	2
4	MP3A	X	1.65	3
5	MP3A	Z	-2.858	3
6	MP3A	Mx	-.000825	3
7	MP3B	X	1.003	2
8	MP3B	Z	-1.738	2
9	MP3B	Mx	.000869	2
10	MP3B	X	1.003	3
11	MP3B	Z	-1.738	3
12	MP3B	Mx	.000869	3
13	MP3C	X	1.214	2
14	MP3C	Z	-2.103	2
15	MP3C	Mx	-.00093	2
16	MP3C	X	1.214	3
17	MP3C	Z	-2.103	3
18	MP3C	Mx	-.00093	3
19	MP5A	X	3.897	.5
20	MP5A	Z	-6.75	.5
21	MP5A	Mx	.002	.5
22	MP5A	X	3.897	4.5
23	MP5A	Z	-6.75	4.5
24	MP5A	Mx	.002	4.5
25	MP5B	X	2.528	.5
26	MP5B	Z	-4.378	.5
27	MP5B	Mx	.000715	.5
28	MP5B	X	2.528	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP5B	Z	-4.378	4.5
30	MP5B	Mx	.000715	4.5
31	MP5C	X	2.975	.5
32	MP5C	Z	-5.152	.5
33	MP5C	Mx	-.005	.5
34	MP5C	X	2.975	4.5
35	MP5C	Z	-5.152	4.5
36	MP5C	Mx	-.005	4.5
37	MP5A	X	3.897	.5
38	MP5A	Z	-6.75	.5
39	MP5A	Mx	-.006	.5
40	MP5A	X	3.897	4.5
41	MP5A	Z	-6.75	4.5
42	MP5A	Mx	-.006	4.5
43	MP5B	X	2.528	.5
44	MP5B	Z	-4.378	.5
45	MP5B	Mx	.004	.5
46	MP5B	X	2.528	4.5
47	MP5B	Z	-4.378	4.5
48	MP5B	Mx	.004	4.5
49	MP5C	X	2.975	.5
50	MP5C	Z	-5.152	.5
51	MP5C	Mx	-4.8e-5	.5
52	MP5C	X	2.975	4.5
53	MP5C	Z	-5.152	4.5
54	MP5C	Mx	-4.8e-5	4.5
55	MP1A	X	2.065	.5
56	MP1A	Z	-3.577	.5
57	MP1A	Mx	-.001	.5
58	MP1A	X	2.065	4.5
59	MP1A	Z	-3.577	4.5
60	MP1A	Mx	-.001	4.5
61	MP1B	X	1.132	.5
62	MP1B	Z	-1.961	.5
63	MP1B	Mx	.001	.5
64	MP1B	X	1.132	4.5
65	MP1B	Z	-1.961	4.5
66	MP1B	Mx	.001	4.5
67	MP1C	X	2.065	.5
68	MP1C	Z	-3.577	.5
69	MP1C	Mx	-.001	.5
70	MP1C	X	2.065	4.5
71	MP1C	Z	-3.577	4.5
72	MP1C	Mx	-.001	4.5
73	MP2A	X	2.484	1.5
74	MP2A	Z	-4.303	1.5
75	MP2A	Mx	-.001	1.5
76	MP2B	X	1.41	1.5
77	MP2B	Z	-2.443	1.5
78	MP2B	Mx	.001	1.5
79	MP2C	X	1.761	1.5
80	MP2C	Z	-3.05	1.5
81	MP2C	Mx	-.001	1.5
82	RADIOA	X	1.176	.5
83	RADIOA	Z	-2.036	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	1.385	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
86	MP4A	Z	-2.398	3
87	MP4A	Mx	-.000693	3
88	MP4B	X	1.032	3
89	MP4B	Z	-1.788	3
90	MP4B	Mx	.000894	3
91	MP4C	X	1.147	3
92	MP4C	Z	-1.987	3
93	MP4C	Mx	-.000879	3
94	MP2A	X	.629	3
95	MP2A	Z	-1.09	3
96	MP2A	Mx	.000314	3
97	MP2B	X	.438	3
98	MP2B	Z	-.759	3
99	MP2B	Mx	-.000379	3
100	MP2C	X	.501	3
101	MP2C	Z	-.867	3
102	MP2C	Mx	.000383	3
103	MP3A	X	.636	3
104	MP3A	Z	-1.101	3
105	MP3A	Mx	.000318	3
106	MP3B	X	.558	3
107	MP3B	Z	-.966	3
108	MP3B	Mx	-.000483	3
109	MP3C	X	.583	3
110	MP3C	Z	-1.01	3
111	MP3C	Mx	.000447	3
112	RADIOB	X	1.176	.5
113	RADIOB	Z	-2.036	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	1.176	.5
116	RADIOC	Z	-2.036	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	.484	3
119	MP5A	Z	-.838	3
120	MP5A	Mx	.000763	3
121	MP5A	X	.484	4
122	MP5A	Z	-.838	4
123	MP5A	Mx	.000763	4
124	MP5B	X	.484	3
125	MP5B	Z	-.839	3
126	MP5B	Mx	-.001	3
127	MP5B	X	.484	4
128	MP5B	Z	-.839	4
129	MP5B	Mx	-.001	4
130	MP5C	X	.484	3
131	MP5C	Z	-.839	3
132	MP5C	Mx	.000535	3
133	MP5C	X	.484	4
134	MP5C	Z	-.839	4
135	MP5C	Mx	.000535	4
136	MP5A	X	.484	3
137	MP5A	Z	-.838	3
138	MP5A	Mx	.000205	3
139	MP5A	X	.484	4
140	MP5A	Z	-.838	4
141	MP5A	Mx	.000205	4
142	MP5B	X	.484	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
143	MP5B	Z	- .839	3
144	MP5B	Mx	- .000677	3
145	MP5B	X	.484	4
146	MP5B	Z	- .839	4
147	MP5B	Mx	- .000677	4
148	MP5C	X	.484	3
149	MP5C	Z	- .839	3
150	MP5C	Mx	.00095	3
151	MP5C	X	.484	4
152	MP5C	Z	- .839	4
153	MP5C	Mx	.00095	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	1.738	2
2	MP3A	Z	-1.003	2
3	MP3A	Mx	- .000869	2
4	MP3A	X	1.738	3
5	MP3A	Z	-1.003	3
6	MP3A	Mx	- .000869	3
7	MP3B	X	1.177	2
8	MP3B	Z	- .68	2
9	MP3B	Mx	.00068	2
10	MP3B	X	1.177	3
11	MP3B	Z	- .68	3
12	MP3B	Mx	.00068	3
13	MP3C	X	3.157	2
14	MP3C	Z	-1.822	2
15	MP3C	Mx	- .000623	2
16	MP3C	X	3.157	3
17	MP3C	Z	-1.822	3
18	MP3C	Mx	- .000623	3
19	MP5A	X	4.378	.5
20	MP5A	Z	-2.528	.5
21	MP5A	Mx	- .000714	.5
22	MP5A	X	4.378	4.5
23	MP5A	Z	-2.528	4.5
24	MP5A	Mx	- .000714	4.5
25	MP5B	X	3.192	.5
26	MP5B	Z	-1.843	.5
27	MP5B	Mx	.002	.5
28	MP5B	X	3.192	4.5
29	MP5B	Z	-1.843	4.5
30	MP5B	Mx	.002	4.5
31	MP5C	X	7.381	.5
32	MP5C	Z	-4.262	.5
33	MP5C	Mx	- .006	.5
34	MP5C	X	7.381	4.5
35	MP5C	Z	-4.262	4.5
36	MP5C	Mx	- .006	4.5
37	MP5A	X	4.378	.5
38	MP5A	Z	-2.528	.5
39	MP5A	Mx	- .004	.5
40	MP5A	X	4.378	4.5
41	MP5A	Z	-2.528	4.5
42	MP5A	Mx	- .004	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP5B	X	3.192	.5
44	MP5B	Z	-1.843	.5
45	MP5B	Mx	.002	.5
46	MP5B	X	3.192	4.5
47	MP5B	Z	-1.843	4.5
48	MP5B	Mx	.002	4.5
49	MP5C	X	7.381	.5
50	MP5C	Z	-4.262	.5
51	MP5C	Mx	.003	.5
52	MP5C	X	7.381	4.5
53	MP5C	Z	-4.262	4.5
54	MP5C	Mx	.003	4.5
55	MP1A	X	2.5	.5
56	MP1A	Z	-1.443	.5
57	MP1A	Mx	-.001	.5
58	MP1A	X	2.5	4.5
59	MP1A	Z	-1.443	4.5
60	MP1A	Mx	-.001	4.5
61	MP1B	X	2.5	.5
62	MP1B	Z	-1.443	.5
63	MP1B	Mx	.001	.5
64	MP1B	X	2.5	4.5
65	MP1B	Z	-1.443	4.5
66	MP1B	Mx	.001	4.5
67	MP1C	X	4.116	.5
68	MP1C	Z	-2.377	.5
69	MP1C	Mx	0	.5
70	MP1C	X	4.116	4.5
71	MP1C	Z	-2.377	4.5
72	MP1C	Mx	0	4.5
73	MP2A	X	2.443	1.5
74	MP2A	Z	-1.41	1.5
75	MP2A	Mx	-.001	1.5
76	MP2B	X	1.513	1.5
77	MP2B	Z	-.874	1.5
78	MP2B	Mx	.000874	1.5
79	MP2C	X	4.798	1.5
80	MP2C	Z	-2.77	1.5
81	MP2C	Mx	-.000947	1.5
82	RADIOA	X	1.814	.5
83	RADIOA	Z	-1.047	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	1.788	3
86	MP4A	Z	-1.032	3
87	MP4A	Mx	-.000894	3
88	MP4B	X	1.483	3
89	MP4B	Z	-.856	3
90	MP4B	Mx	.000856	3
91	MP4C	X	2.561	3
92	MP4C	Z	-1.478	3
93	MP4C	Mx	-.000505	3
94	MP2A	X	.759	3
95	MP2A	Z	-.438	3
96	MP2A	Mx	.00038	3
97	MP2B	X	.593	3
98	MP2B	Z	-.342	3
99	MP2B	Mx	-.000342	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
100	MP2C	X	1.178	3
101	MP2C	Z	-.68	3
102	MP2C	Mx	.000233	3
103	MP3A	X	.966	3
104	MP3A	Z	-.558	3
105	MP3A	Mx	.000483	3
106	MP3B	X	.899	3
107	MP3B	Z	-.519	3
108	MP3B	Mx	-.000519	3
109	MP3C	X	1.137	3
110	MP3C	Z	-.656	3
111	MP3C	Mx	.000224	3
112	RADIOB	X	1.814	.5
113	RADIOB	Z	-1.047	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	1.814	.5
116	RADIOC	Z	-1.047	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	.839	3
119	MP5A	Z	-.484	3
120	MP5A	Mx	.001	3
121	MP5A	X	.839	4
122	MP5A	Z	-.484	4
123	MP5A	Mx	.001	4
124	MP5B	X	.84	3
125	MP5B	Z	-.485	3
126	MP5B	Mx	-.00097	3
127	MP5B	X	.84	4
128	MP5B	Z	-.485	4
129	MP5B	Mx	-.00097	4
130	MP5C	X	.838	3
131	MP5C	Z	-.484	3
132	MP5C	Mx	2.8e-5	3
133	MP5C	X	.838	4
134	MP5C	Z	-.484	4
135	MP5C	Mx	2.8e-5	4
136	MP5A	X	.839	3
137	MP5A	Z	-.484	3
138	MP5A	Mx	.000678	3
139	MP5A	X	.839	4
140	MP5A	Z	-.484	4
141	MP5A	Mx	.000678	4
142	MP5B	X	.84	3
143	MP5B	Z	-.485	3
144	MP5B	Mx	-.00097	3
145	MP5B	X	.84	4
146	MP5B	Z	-.485	4
147	MP5B	Mx	-.00097	4
148	MP5C	X	.838	3
149	MP5C	Z	-.484	3
150	MP5C	Mx	.000634	3
151	MP5C	X	.838	4
152	MP5C	Z	-.484	4
153	MP5C	Mx	.000634	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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Member Point Loads (BLC 30 : Antenna Wm (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	1.36	2
2	MP3A	Z	0	2
3	MP3A	Mx	-.00068	2
4	MP3A	X	1.36	3
5	MP3A	Z	0	3
6	MP3A	Mx	-.00068	3
7	MP3B	X	2.007	2
8	MP3B	Z	0	2
9	MP3B	Mx	.000869	2
10	MP3B	X	2.007	3
11	MP3B	Z	0	3
12	MP3B	Mx	.000869	3
13	MP3C	X	3.87	2
14	MP3C	Z	0	2
15	MP3C	Mx	.000336	2
16	MP3C	X	3.87	3
17	MP3C	Z	0	3
18	MP3C	Mx	.000336	3
19	MP5A	X	3.686	.5
20	MP5A	Z	0	.5
21	MP5A	Mx	-.002	.5
22	MP5A	X	3.686	4.5
23	MP5A	Z	0	4.5
24	MP5A	Mx	-.002	4.5
25	MP5B	X	5.055	.5
26	MP5B	Z	0	.5
27	MP5B	Mx	.004	.5
28	MP5B	X	5.055	4.5
29	MP5B	Z	0	4.5
30	MP5B	Mx	.004	4.5
31	MP5C	X	8.999	.5
32	MP5C	Z	0	.5
33	MP5C	Mx	-.004	.5
34	MP5C	X	8.999	4.5
35	MP5C	Z	0	4.5
36	MP5C	Mx	-.004	4.5
37	MP5A	X	3.686	.5
38	MP5A	Z	0	.5
39	MP5A	Mx	-.002	.5
40	MP5A	X	3.686	4.5
41	MP5A	Z	0	4.5
42	MP5A	Mx	-.002	4.5
43	MP5B	X	5.055	.5
44	MP5B	Z	0	.5
45	MP5B	Mx	.000715	.5
46	MP5B	X	5.055	4.5
47	MP5B	Z	0	4.5
48	MP5B	Mx	.000715	4.5
49	MP5C	X	8.999	.5
50	MP5C	Z	0	.5
51	MP5C	Mx	.006	.5
52	MP5C	X	8.999	4.5
53	MP5C	Z	0	4.5
54	MP5C	Mx	.006	4.5
55	MP1A	X	2.264	.5
56	MP1A	Z	0	.5
57	MP1A	Mx	-.001	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	2.264	4.5
59	MP1A	Z	0	4.5
60	MP1A	Mx	-.001	4.5
61	MP1B	X	4.131	.5
62	MP1B	Z	0	.5
63	MP1B	Mx	.001	.5
64	MP1B	X	4.131	4.5
65	MP1B	Z	0	4.5
66	MP1B	Mx	.001	4.5
67	MP1C	X	4.131	.5
68	MP1C	Z	0	.5
69	MP1C	Mx	.001	.5
70	MP1C	X	4.131	4.5
71	MP1C	Z	0	4.5
72	MP1C	Mx	.001	4.5
73	MP2A	X	1.747	1.5
74	MP2A	Z	0	1.5
75	MP2A	Mx	-.000874	1.5
76	MP2B	X	2.821	1.5
77	MP2B	Z	0	1.5
78	MP2B	Mx	.001	1.5
79	MP2C	X	5.913	1.5
80	MP2C	Z	0	1.5
81	MP2C	Mx	.000513	1.5
82	RADIOA	X	2.351	.5
83	RADIOA	Z	0	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	1.712	3
86	MP4A	Z	0	3
87	MP4A	Mx	-.000856	3
88	MP4B	X	2.064	3
89	MP4B	Z	0	3
90	MP4B	Mx	.000894	3
91	MP4C	X	3.079	3
92	MP4C	Z	0	3
93	MP4C	Mx	.000267	3
94	MP2A	X	.685	3
95	MP2A	Z	0	3
96	MP2A	Mx	.000343	3
97	MP2B	X	.876	3
98	MP2B	Z	0	3
99	MP2B	Mx	-.000379	3
100	MP2C	X	1.427	3
101	MP2C	Z	0	3
102	MP2C	Mx	-.000124	3
103	MP3A	X	1.038	3
104	MP3A	Z	0	3
105	MP3A	Mx	.000519	3
106	MP3B	X	1.116	3
107	MP3B	Z	0	3
108	MP3B	Mx	-.000483	3
109	MP3C	X	1.34	3
110	MP3C	Z	0	3
111	MP3C	Mx	-.000116	3
112	RADIOB	X	2.351	.5
113	RADIOB	Z	0	.5
114	RADIOB	Mx	0	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
115	RADIOC	X	2.351	.5
116	RADIOC	Z	0	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	.97	3
119	MP5A	Z	0	3
120	MP5A	Mx	.00097	3
121	MP5A	X	.97	4
122	MP5A	Z	0	4
123	MP5A	Mx	.00097	4
124	MP5B	X	.969	3
125	MP5B	Z	0	3
126	MP5B	Mx	-.000678	3
127	MP5B	X	.969	4
128	MP5B	Z	0	4
129	MP5B	Mx	-.000678	4
130	MP5C	X	.967	3
131	MP5C	Z	0	3
132	MP5C	Mx	-.000485	3
133	MP5C	X	.967	4
134	MP5C	Z	0	4
135	MP5C	Mx	-.000485	4
136	MP5A	X	.97	3
137	MP5A	Z	0	3
138	MP5A	Mx	.00097	3
139	MP5A	X	.97	4
140	MP5A	Z	0	4
141	MP5A	Mx	.00097	4
142	MP5B	X	.969	3
143	MP5B	Z	0	3
144	MP5B	Mx	-.001	3
145	MP5B	X	.969	4
146	MP5B	Z	0	4
147	MP5B	Mx	-.001	4
148	MP5C	X	.967	3
149	MP5C	Z	0	3
150	MP5C	Mx	.00015	3
151	MP5C	X	.967	4
152	MP5C	Z	0	4
153	MP5C	Mx	.00015	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	1.738	2
2	MP3A	Z	1.003	2
3	MP3A	Mx	-.000869	2
4	MP3A	X	1.738	3
5	MP3A	Z	1.003	3
6	MP3A	Mx	-.000869	3
7	MP3B	X	2.858	2
8	MP3B	Z	1.65	2
9	MP3B	Mx	.000825	2
10	MP3B	X	2.858	3
11	MP3B	Z	1.65	3
12	MP3B	Mx	.000825	3
13	MP3C	X	2.493	2
14	MP3C	Z	1.439	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
15	MP3C	Mx	.000925	2
16	MP3C	X	2.493	3
17	MP3C	Z	1.439	3
18	MP3C	Mx	.000925	3
19	MP5A	X	4.378	.5
20	MP5A	Z	2.528	.5
21	MP5A	Mx	-.004	.5
22	MP5A	X	4.378	4.5
23	MP5A	Z	2.528	4.5
24	MP5A	Mx	-.004	4.5
25	MP5B	X	6.75	.5
26	MP5B	Z	3.897	.5
27	MP5B	Mx	.006	.5
28	MP5B	X	6.75	4.5
29	MP5B	Z	3.897	4.5
30	MP5B	Mx	.006	4.5
31	MP5C	X	5.976	.5
32	MP5C	Z	3.45	.5
33	MP5C	Mx	-.000866	.5
34	MP5C	X	5.976	4.5
35	MP5C	Z	3.45	4.5
36	MP5C	Mx	-.000866	4.5
37	MP5A	X	4.378	.5
38	MP5A	Z	2.528	.5
39	MP5A	Mx	-.000714	.5
40	MP5A	X	4.378	4.5
41	MP5A	Z	2.528	4.5
42	MP5A	Mx	-.000714	4.5
43	MP5B	X	6.75	.5
44	MP5B	Z	3.897	.5
45	MP5B	Mx	-.002	.5
46	MP5B	X	6.75	4.5
47	MP5B	Z	3.897	4.5
48	MP5B	Mx	-.002	4.5
49	MP5C	X	5.976	.5
50	MP5C	Z	3.45	.5
51	MP5C	Mx	.005	.5
52	MP5C	X	5.976	4.5
53	MP5C	Z	3.45	4.5
54	MP5C	Mx	.005	4.5
55	MP1A	X	2.5	.5
56	MP1A	Z	1.443	.5
57	MP1A	Mx	-.001	.5
58	MP1A	X	2.5	4.5
59	MP1A	Z	1.443	4.5
60	MP1A	Mx	-.001	4.5
61	MP1B	X	4.116	.5
62	MP1B	Z	2.377	.5
63	MP1B	Mx	0	.5
64	MP1B	X	4.116	4.5
65	MP1B	Z	2.377	4.5
66	MP1B	Mx	0	4.5
67	MP1C	X	2.5	.5
68	MP1C	Z	1.443	.5
69	MP1C	Mx	.001	.5
70	MP1C	X	2.5	4.5
71	MP1C	Z	1.443	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP1C	Mx	.001	4.5
73	MP2A	X	2.443	1.5
74	MP2A	Z	1.41	1.5
75	MP2A	Mx	-.001	1.5
76	MP2B	X	4.303	1.5
77	MP2B	Z	2.484	1.5
78	MP2B	Mx	.001	1.5
79	MP2C	X	3.696	1.5
80	MP2C	Z	2.134	1.5
81	MP2C	Mx	.001	1.5
82	RADIOA	X	2.481	.5
83	RADIOA	Z	1.433	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	1.788	3
86	MP4A	Z	1.032	3
87	MP4A	Mx	-.000894	3
88	MP4B	X	2.398	3
89	MP4B	Z	1.385	3
90	MP4B	Mx	.000692	3
91	MP4C	X	2.199	3
92	MP4C	Z	1.27	3
93	MP4C	Mx	.000816	3
94	MP2A	X	.759	3
95	MP2A	Z	.438	3
96	MP2A	Mx	.00038	3
97	MP2B	X	1.09	3
98	MP2B	Z	.629	3
99	MP2B	Mx	-.000315	3
100	MP2C	X	.982	3
101	MP2C	Z	.567	3
102	MP2C	Mx	-.000364	3
103	MP3A	X	.966	3
104	MP3A	Z	.558	3
105	MP3A	Mx	.000483	3
106	MP3B	X	1.101	3
107	MP3B	Z	.636	3
108	MP3B	Mx	-.000318	3
109	MP3C	X	1.057	3
110	MP3C	Z	.61	3
111	MP3C	Mx	-.000392	3
112	RADIOB	X	2.481	.5
113	RADIOB	Z	1.433	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	2.481	.5
116	RADIOC	Z	1.433	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	.839	3
119	MP5A	Z	.484	3
120	MP5A	Mx	.000678	3
121	MP5A	X	.839	4
122	MP5A	Z	.484	4
123	MP5A	Mx	.000678	4
124	MP5B	X	.838	3
125	MP5B	Z	.484	3
126	MP5B	Mx	-.000204	3
127	MP5B	X	.838	4
128	MP5B	Z	.484	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
129	MP5B	Mx	-.000204	4
130	MP5C	X	.838	3
131	MP5C	Z	.484	3
132	MP5C	Mx	-.000869	3
133	MP5C	X	.838	4
134	MP5C	Z	.484	4
135	MP5C	Mx	-.000869	4
136	MP5A	X	.839	3
137	MP5A	Z	.484	3
138	MP5A	Mx	.001	3
139	MP5A	X	.839	4
140	MP5A	Z	.484	4
141	MP5A	Mx	.001	4
142	MP5B	X	.838	3
143	MP5B	Z	.484	3
144	MP5B	Mx	-.000763	3
145	MP5B	X	.838	4
146	MP5B	Z	.484	4
147	MP5B	Mx	-.000763	4
148	MP5C	X	.838	3
149	MP5C	Z	.484	3
150	MP5C	Mx	-.000375	3
151	MP5C	X	.838	4
152	MP5C	Z	.484	4
153	MP5C	Mx	-.000375	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	1.65	2
2	MP3A	Z	2.858	2
3	MP3A	Mx	-.000825	2
4	MP3A	X	1.65	3
5	MP3A	Z	2.858	3
6	MP3A	Mx	-.000825	3
7	MP3B	X	1.974	2
8	MP3B	Z	3.419	2
9	MP3B	Mx	0	2
10	MP3B	X	1.974	3
11	MP3B	Z	3.419	3
12	MP3B	Mx	0	3
13	MP3C	X	.831	2
14	MP3C	Z	1.44	2
15	MP3C	Mx	.000781	2
16	MP3C	X	.831	3
17	MP3C	Z	1.44	3
18	MP3C	Mx	.000781	3
19	MP5A	X	3.897	.5
20	MP5A	Z	6.75	.5
21	MP5A	Mx	-.006	.5
22	MP5A	X	3.897	4.5
23	MP5A	Z	6.75	4.5
24	MP5A	Mx	-.006	4.5
25	MP5B	X	4.582	.5
26	MP5B	Z	7.936	.5
27	MP5B	Mx	.005	.5
28	MP5B	X	4.582	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP5B	Z	7.936	4.5
30	MP5B	Mx	.005	4.5
31	MP5C	X	2.163	.5
32	MP5C	Z	3.747	.5
33	MP5C	Mx	.001	.5
34	MP5C	X	2.163	4.5
35	MP5C	Z	3.747	4.5
36	MP5C	Mx	.001	4.5
37	MP5A	X	3.897	.5
38	MP5A	Z	6.75	.5
39	MP5A	Mx	.002	.5
40	MP5A	X	3.897	4.5
41	MP5A	Z	6.75	4.5
42	MP5A	Mx	.002	4.5
43	MP5B	X	4.582	.5
44	MP5B	Z	7.936	.5
45	MP5B	Mx	-.005	.5
46	MP5B	X	4.582	4.5
47	MP5B	Z	7.936	4.5
48	MP5B	Mx	-.005	4.5
49	MP5C	X	2.163	.5
50	MP5C	Z	3.747	.5
51	MP5C	Mx	.003	.5
52	MP5C	X	2.163	4.5
53	MP5C	Z	3.747	4.5
54	MP5C	Mx	.003	4.5
55	MP1A	X	2.065	.5
56	MP1A	Z	3.577	.5
57	MP1A	Mx	-.001	.5
58	MP1A	X	2.065	4.5
59	MP1A	Z	3.577	4.5
60	MP1A	Mx	-.001	4.5
61	MP1B	X	2.065	.5
62	MP1B	Z	3.577	.5
63	MP1B	Mx	-.001	.5
64	MP1B	X	2.065	4.5
65	MP1B	Z	3.577	4.5
66	MP1B	Mx	-.001	4.5
67	MP1C	X	1.132	.5
68	MP1C	Z	1.961	.5
69	MP1C	Mx	.001	.5
70	MP1C	X	1.132	4.5
71	MP1C	Z	1.961	4.5
72	MP1C	Mx	.001	4.5
73	MP2A	X	2.484	1.5
74	MP2A	Z	4.303	1.5
75	MP2A	Mx	-.001	1.5
76	MP2B	X	3.021	1.5
77	MP2B	Z	5.233	1.5
78	MP2B	Mx	0	1.5
79	MP2C	X	1.125	1.5
80	MP2C	Z	1.948	1.5
81	MP2C	Mx	.001	1.5
82	RADIOA	X	1.561	.5
83	RADIOA	Z	2.704	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	1.385	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
86	MP4A	Z	2.398	3
87	MP4A	Mx	-.000693	3
88	MP4B	X	1.561	3
89	MP4B	Z	2.704	3
90	MP4B	Mx	0	3
91	MP4C	X	.938	3
92	MP4C	Z	1.625	3
93	MP4C	Mx	.000882	3
94	MP2A	X	.629	3
95	MP2A	Z	1.09	3
96	MP2A	Mx	.000314	3
97	MP2B	X	.725	3
98	MP2B	Z	1.256	3
99	MP2B	Mx	0	3
100	MP2C	X	.387	3
101	MP2C	Z	.671	3
102	MP2C	Mx	-.000364	3
103	MP3A	X	.636	3
104	MP3A	Z	1.101	3
105	MP3A	Mx	.000318	3
106	MP3B	X	.675	3
107	MP3B	Z	1.169	3
108	MP3B	Mx	0	3
109	MP3C	X	.537	3
110	MP3C	Z	.93	3
111	MP3C	Mx	-.000505	3
112	RADIOB	X	1.561	.5
113	RADIOB	Z	2.704	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	1.561	.5
116	RADIOC	Z	2.704	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	.484	3
119	MP5A	Z	.838	3
120	MP5A	Mx	.000205	3
121	MP5A	X	.484	4
122	MP5A	Z	.838	4
123	MP5A	Mx	.000205	4
124	MP5B	X	.483	3
125	MP5B	Z	.837	3
126	MP5B	Mx	.000322	3
127	MP5B	X	.483	4
128	MP5B	Z	.837	4
129	MP5B	Mx	.000322	4
130	MP5C	X	.485	3
131	MP5C	Z	.839	3
132	MP5C	Mx	-.001	3
133	MP5C	X	.485	4
134	MP5C	Z	.839	4
135	MP5C	Mx	-.001	4
136	MP5A	X	.484	3
137	MP5A	Z	.838	3
138	MP5A	Mx	.000763	3
139	MP5A	X	.484	4
140	MP5A	Z	.838	4
141	MP5A	Mx	.000763	4
142	MP5B	X	.483	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
143	MP5B	Z	.837	3
144	MP5B	Mx	-.000322	3
145	MP5B	X	.483	4
146	MP5B	Z	.837	4
147	MP5B	Mx	-.000322	4
148	MP5C	X	.485	3
149	MP5C	Z	.839	3
150	MP5C	Mx	-.0008	3
151	MP5C	X	.485	4
152	MP5C	Z	.839	4
153	MP5C	Mx	-.0008	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	2
2	MP3A	Z	3.948	2
3	MP3A	Mx	0	2
4	MP3A	X	0	3
5	MP3A	Z	3.948	3
6	MP3A	Mx	0	3
7	MP3B	X	0	2
8	MP3B	Z	3.301	2
9	MP3B	Mx	-.000825	2
10	MP3B	X	0	3
11	MP3B	Z	3.301	3
12	MP3B	Mx	-.000825	3
13	MP3C	X	0	2
14	MP3C	Z	1.438	2
15	MP3C	Mx	.000708	2
16	MP3C	X	0	3
17	MP3C	Z	1.438	3
18	MP3C	Mx	.000708	3
19	MP5A	X	0	.5
20	MP5A	Z	9.164	.5
21	MP5A	Mx	-.005	.5
22	MP5A	X	0	4.5
23	MP5A	Z	9.164	4.5
24	MP5A	Mx	-.005	4.5
25	MP5B	X	0	.5
26	MP5B	Z	7.794	.5
27	MP5B	Mx	.002	.5
28	MP5B	X	0	4.5
29	MP5B	Z	7.794	4.5
30	MP5B	Mx	.002	4.5
31	MP5C	X	0	.5
32	MP5C	Z	3.851	.5
33	MP5C	Mx	.002	.5
34	MP5C	X	0	4.5
35	MP5C	Z	3.851	4.5
36	MP5C	Mx	.002	4.5
37	MP5A	X	0	.5
38	MP5A	Z	9.164	.5
39	MP5A	Mx	.005	.5
40	MP5A	X	0	4.5
41	MP5A	Z	9.164	4.5
42	MP5A	Mx	.005	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP5B	X	0	.5
44	MP5B	Z	7.794	.5
45	MP5B	Mx	-.006	.5
46	MP5B	X	0	4.5
47	MP5B	Z	7.794	4.5
48	MP5B	Mx	-.006	4.5
49	MP5C	X	0	.5
50	MP5C	Z	3.851	.5
51	MP5C	Mx	.002	.5
52	MP5C	X	0	4.5
53	MP5C	Z	3.851	4.5
54	MP5C	Mx	.002	4.5
55	MP1A	X	0	.5
56	MP1A	Z	4.753	.5
57	MP1A	Mx	0	.5
58	MP1A	X	0	4.5
59	MP1A	Z	4.753	4.5
60	MP1A	Mx	0	4.5
61	MP1B	X	0	.5
62	MP1B	Z	2.886	.5
63	MP1B	Mx	-.001	.5
64	MP1B	X	0	4.5
65	MP1B	Z	2.886	4.5
66	MP1B	Mx	-.001	4.5
67	MP1C	X	0	.5
68	MP1C	Z	2.886	.5
69	MP1C	Mx	.001	.5
70	MP1C	X	0	4.5
71	MP1C	Z	2.886	4.5
72	MP1C	Mx	.001	4.5
73	MP2A	X	0	1.5
74	MP2A	Z	6.042	1.5
75	MP2A	Mx	0	1.5
76	MP2B	X	0	1.5
77	MP2B	Z	4.968	1.5
78	MP2B	Mx	-.001	1.5
79	MP2C	X	0	1.5
80	MP2C	Z	1.877	1.5
81	MP2C	Mx	.000924	1.5
82	RADIOA	X	0	.5
83	RADIOA	Z	2.865	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	0	3
86	MP4A	Z	3.122	3
87	MP4A	Mx	0	3
88	MP4B	X	0	3
89	MP4B	Z	2.769	3
90	MP4B	Mx	-.000692	3
91	MP4C	X	0	3
92	MP4C	Z	1.754	3
93	MP4C	Mx	.000864	3
94	MP2A	X	0	3
95	MP2A	Z	1.45	3
96	MP2A	Mx	0	3
97	MP2B	X	0	3
98	MP2B	Z	1.259	3
99	MP2B	Mx	.000315	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
100	MP2C	X	0	3
101	MP2C	Z	.708	3
102	MP2C	Mx	-.000349	3
103	MP3A	X	0	3
104	MP3A	Z	1.349	3
105	MP3A	Mx	0	3
106	MP3B	X	0	3
107	MP3B	Z	1.271	3
108	MP3B	Mx	.000318	3
109	MP3C	X	0	3
110	MP3C	Z	1.047	3
111	MP3C	Mx	-.000516	3
112	RADIOB	X	0	.5
113	RADIOB	Z	2.865	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	0	.5
116	RADIOC	Z	2.865	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	0	3
119	MP5A	Z	.967	3
120	MP5A	Mx	-.000322	3
121	MP5A	X	0	4
122	MP5A	Z	.967	4
123	MP5A	Mx	-.000322	4
124	MP5B	X	0	3
125	MP5B	Z	.967	3
126	MP5B	Mx	.000763	3
127	MP5B	X	0	4
128	MP5B	Z	.967	4
129	MP5B	Mx	.000763	4
130	MP5C	X	0	3
131	MP5C	Z	.97	3
132	MP5C	Mx	-.000899	3
133	MP5C	X	0	4
134	MP5C	Z	.97	4
135	MP5C	Mx	-.000899	4
136	MP5A	X	0	3
137	MP5A	Z	.967	3
138	MP5A	Mx	.000322	3
139	MP5A	X	0	4
140	MP5A	Z	.967	4
141	MP5A	Mx	.000322	4
142	MP5B	X	0	3
143	MP5B	Z	.967	3
144	MP5B	Mx	.000204	3
145	MP5B	X	0	4
146	MP5B	Z	.967	4
147	MP5B	Mx	.000204	4
148	MP5C	X	0	3
149	MP5C	Z	.97	3
150	MP5C	Mx	-.001	3
151	MP5C	X	0	4
152	MP5C	Z	.97	4
153	MP5C	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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Member Point Loads (BLC 34 : Antenna Wm (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-1.65	2
2	MP3A	Z	2.858	2
3	MP3A	Mx	.000825	2
4	MP3A	X	-1.65	3
5	MP3A	Z	2.858	3
6	MP3A	Mx	.000825	3
7	MP3B	X	-1.003	2
8	MP3B	Z	1.738	2
9	MP3B	Mx	-.000869	2
10	MP3B	X	-1.003	3
11	MP3B	Z	1.738	3
12	MP3B	Mx	-.000869	3
13	MP3C	X	-1.214	2
14	MP3C	Z	2.103	2
15	MP3C	Mx	.00093	2
16	MP3C	X	-1.214	3
17	MP3C	Z	2.103	3
18	MP3C	Mx	.00093	3
19	MP5A	X	-3.897	.5
20	MP5A	Z	6.75	.5
21	MP5A	Mx	-.002	.5
22	MP5A	X	-3.897	4.5
23	MP5A	Z	6.75	4.5
24	MP5A	Mx	-.002	4.5
25	MP5B	X	-2.528	.5
26	MP5B	Z	4.378	.5
27	MP5B	Mx	-.000715	.5
28	MP5B	X	-2.528	4.5
29	MP5B	Z	4.378	4.5
30	MP5B	Mx	-.000715	4.5
31	MP5C	X	-2.975	.5
32	MP5C	Z	5.152	.5
33	MP5C	Mx	.005	.5
34	MP5C	X	-2.975	4.5
35	MP5C	Z	5.152	4.5
36	MP5C	Mx	.005	4.5
37	MP5A	X	-3.897	.5
38	MP5A	Z	6.75	.5
39	MP5A	Mx	.006	.5
40	MP5A	X	-3.897	4.5
41	MP5A	Z	6.75	4.5
42	MP5A	Mx	.006	4.5
43	MP5B	X	-2.528	.5
44	MP5B	Z	4.378	.5
45	MP5B	Mx	-.004	.5
46	MP5B	X	-2.528	4.5
47	MP5B	Z	4.378	4.5
48	MP5B	Mx	-.004	4.5
49	MP5C	X	-2.975	.5
50	MP5C	Z	5.152	.5
51	MP5C	Mx	4.8e-5	.5
52	MP5C	X	-2.975	4.5
53	MP5C	Z	5.152	4.5
54	MP5C	Mx	4.8e-5	4.5
55	MP1A	X	-2.065	.5
56	MP1A	Z	3.577	.5
57	MP1A	Mx	.001	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP1A	X	-2.065	4.5
59	MP1A	Z	3.577	4.5
60	MP1A	Mx	.001	4.5
61	MP1B	X	-1.132	.5
62	MP1B	Z	1.961	.5
63	MP1B	Mx	-.001	.5
64	MP1B	X	-1.132	4.5
65	MP1B	Z	1.961	4.5
66	MP1B	Mx	-.001	4.5
67	MP1C	X	-2.065	.5
68	MP1C	Z	3.577	.5
69	MP1C	Mx	.001	.5
70	MP1C	X	-2.065	4.5
71	MP1C	Z	3.577	4.5
72	MP1C	Mx	.001	4.5
73	MP2A	X	-2.484	1.5
74	MP2A	Z	4.303	1.5
75	MP2A	Mx	.001	1.5
76	MP2B	X	-1.41	1.5
77	MP2B	Z	2.443	1.5
78	MP2B	Mx	-.001	1.5
79	MP2C	X	-1.761	1.5
80	MP2C	Z	3.05	1.5
81	MP2C	Mx	.001	1.5
82	RADIOA	X	-1.176	.5
83	RADIOA	Z	2.036	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	-1.385	3
86	MP4A	Z	2.398	3
87	MP4A	Mx	.000693	3
88	MP4B	X	-1.032	3
89	MP4B	Z	1.788	3
90	MP4B	Mx	-.000894	3
91	MP4C	X	-1.147	3
92	MP4C	Z	1.987	3
93	MP4C	Mx	.000879	3
94	MP2A	X	-.629	3
95	MP2A	Z	1.09	3
96	MP2A	Mx	-.000314	3
97	MP2B	X	-.438	3
98	MP2B	Z	.759	3
99	MP2B	Mx	.000379	3
100	MP2C	X	-.501	3
101	MP2C	Z	.867	3
102	MP2C	Mx	-.000383	3
103	MP3A	X	-.636	3
104	MP3A	Z	1.101	3
105	MP3A	Mx	-.000318	3
106	MP3B	X	-.558	3
107	MP3B	Z	.966	3
108	MP3B	Mx	.000483	3
109	MP3C	X	-.583	3
110	MP3C	Z	1.01	3
111	MP3C	Mx	-.000447	3
112	RADIOB	X	-1.176	.5
113	RADIOB	Z	2.036	.5
114	RADIOB	Mx	0	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
115	RADIOC	X	-1.176	.5
116	RADIOC	Z	2.036	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	-.484	3
119	MP5A	Z	.838	3
120	MP5A	Mx	-.000763	3
121	MP5A	X	-.484	4
122	MP5A	Z	.838	4
123	MP5A	Mx	-.000763	4
124	MP5B	X	-.484	3
125	MP5B	Z	.839	3
126	MP5B	Mx	.001	3
127	MP5B	X	-.484	4
128	MP5B	Z	.839	4
129	MP5B	Mx	.001	4
130	MP5C	X	-.484	3
131	MP5C	Z	.839	3
132	MP5C	Mx	-.000535	3
133	MP5C	X	-.484	4
134	MP5C	Z	.839	4
135	MP5C	Mx	-.000535	4
136	MP5A	X	-.484	3
137	MP5A	Z	.838	3
138	MP5A	Mx	-.000205	3
139	MP5A	X	-.484	4
140	MP5A	Z	.838	4
141	MP5A	Mx	-.000205	4
142	MP5B	X	-.484	3
143	MP5B	Z	.839	3
144	MP5B	Mx	.000677	3
145	MP5B	X	-.484	4
146	MP5B	Z	.839	4
147	MP5B	Mx	.000677	4
148	MP5C	X	-.484	3
149	MP5C	Z	.839	3
150	MP5C	Mx	-.00095	3
151	MP5C	X	-.484	4
152	MP5C	Z	.839	4
153	MP5C	Mx	-.00095	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-1.738	2
2	MP3A	Z	1.003	2
3	MP3A	Mx	.000869	2
4	MP3A	X	-1.738	3
5	MP3A	Z	1.003	3
6	MP3A	Mx	.000869	3
7	MP3B	X	-1.177	2
8	MP3B	Z	.68	2
9	MP3B	Mx	-.00068	2
10	MP3B	X	-1.177	3
11	MP3B	Z	.68	3
12	MP3B	Mx	-.00068	3
13	MP3C	X	-3.157	2
14	MP3C	Z	1.822	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
15	MP3C	Mx	.000623	2
16	MP3C	X	-3.157	3
17	MP3C	Z	1.822	3
18	MP3C	Mx	.000623	3
19	MP5A	X	-4.378	.5
20	MP5A	Z	2.528	.5
21	MP5A	Mx	.000714	.5
22	MP5A	X	-4.378	4.5
23	MP5A	Z	2.528	4.5
24	MP5A	Mx	.000714	4.5
25	MP5B	X	-3.192	.5
26	MP5B	Z	1.843	.5
27	MP5B	Mx	-.002	.5
28	MP5B	X	-3.192	4.5
29	MP5B	Z	1.843	4.5
30	MP5B	Mx	-.002	4.5
31	MP5C	X	-7.381	.5
32	MP5C	Z	4.262	.5
33	MP5C	Mx	.006	.5
34	MP5C	X	-7.381	4.5
35	MP5C	Z	4.262	4.5
36	MP5C	Mx	.006	4.5
37	MP5A	X	-4.378	.5
38	MP5A	Z	2.528	.5
39	MP5A	Mx	.004	.5
40	MP5A	X	-4.378	4.5
41	MP5A	Z	2.528	4.5
42	MP5A	Mx	.004	4.5
43	MP5B	X	-3.192	.5
44	MP5B	Z	1.843	.5
45	MP5B	Mx	-.002	.5
46	MP5B	X	-3.192	4.5
47	MP5B	Z	1.843	4.5
48	MP5B	Mx	-.002	4.5
49	MP5C	X	-7.381	.5
50	MP5C	Z	4.262	.5
51	MP5C	Mx	-.003	.5
52	MP5C	X	-7.381	4.5
53	MP5C	Z	4.262	4.5
54	MP5C	Mx	-.003	4.5
55	MP1A	X	-2.5	.5
56	MP1A	Z	1.443	.5
57	MP1A	Mx	.001	.5
58	MP1A	X	-2.5	4.5
59	MP1A	Z	1.443	4.5
60	MP1A	Mx	.001	4.5
61	MP1B	X	-2.5	.5
62	MP1B	Z	1.443	.5
63	MP1B	Mx	-.001	.5
64	MP1B	X	-2.5	4.5
65	MP1B	Z	1.443	4.5
66	MP1B	Mx	-.001	4.5
67	MP1C	X	-4.116	.5
68	MP1C	Z	2.377	.5
69	MP1C	Mx	0	.5
70	MP1C	X	-4.116	4.5
71	MP1C	Z	2.377	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP1C	Mx	0	4.5
73	MP2A	X	-2.443	1.5
74	MP2A	Z	1.41	1.5
75	MP2A	Mx	.001	1.5
76	MP2B	X	-1.513	1.5
77	MP2B	Z	.874	1.5
78	MP2B	Mx	-.000874	1.5
79	MP2C	X	-4.798	1.5
80	MP2C	Z	2.77	1.5
81	MP2C	Mx	.000947	1.5
82	RADIOA	X	-1.814	.5
83	RADIOA	Z	1.047	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	-1.788	3
86	MP4A	Z	1.032	3
87	MP4A	Mx	.000894	3
88	MP4B	X	-1.483	3
89	MP4B	Z	.856	3
90	MP4B	Mx	-.000856	3
91	MP4C	X	-2.561	3
92	MP4C	Z	1.478	3
93	MP4C	Mx	.000505	3
94	MP2A	X	-.759	3
95	MP2A	Z	.438	3
96	MP2A	Mx	-.00038	3
97	MP2B	X	-.593	3
98	MP2B	Z	.342	3
99	MP2B	Mx	.000342	3
100	MP2C	X	-1.178	3
101	MP2C	Z	.68	3
102	MP2C	Mx	-.000233	3
103	MP3A	X	-.966	3
104	MP3A	Z	.558	3
105	MP3A	Mx	-.000483	3
106	MP3B	X	-.899	3
107	MP3B	Z	.519	3
108	MP3B	Mx	.000519	3
109	MP3C	X	-1.137	3
110	MP3C	Z	.656	3
111	MP3C	Mx	-.000224	3
112	RADIOB	X	-1.814	.5
113	RADIOB	Z	1.047	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	-1.814	.5
116	RADIOC	Z	1.047	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	-.839	3
119	MP5A	Z	.484	3
120	MP5A	Mx	-.001	3
121	MP5A	X	-.839	4
122	MP5A	Z	.484	4
123	MP5A	Mx	-.001	4
124	MP5B	X	-.84	3
125	MP5B	Z	.485	3
126	MP5B	Mx	.00097	3
127	MP5B	X	-.84	4
128	MP5B	Z	.485	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
129	MP5B	Mx	.00097	4
130	MP5C	X	-.838	3
131	MP5C	Z	.484	3
132	MP5C	Mx	-2.8e-5	3
133	MP5C	X	-.838	4
134	MP5C	Z	.484	4
135	MP5C	Mx	-2.8e-5	4
136	MP5A	X	-.839	3
137	MP5A	Z	.484	3
138	MP5A	Mx	-.000678	3
139	MP5A	X	-.839	4
140	MP5A	Z	.484	4
141	MP5A	Mx	-.000678	4
142	MP5B	X	-.84	3
143	MP5B	Z	.485	3
144	MP5B	Mx	.00097	3
145	MP5B	X	-.84	4
146	MP5B	Z	.485	4
147	MP5B	Mx	.00097	4
148	MP5C	X	-.838	3
149	MP5C	Z	.484	3
150	MP5C	Mx	-.000634	3
151	MP5C	X	-.838	4
152	MP5C	Z	.484	4
153	MP5C	Mx	-.000634	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-1.36	2
2	MP3A	Z	0	2
3	MP3A	Mx	.00068	2
4	MP3A	X	-1.36	3
5	MP3A	Z	0	3
6	MP3A	Mx	.00068	3
7	MP3B	X	-2.007	2
8	MP3B	Z	0	2
9	MP3B	Mx	-.000869	2
10	MP3B	X	-2.007	3
11	MP3B	Z	0	3
12	MP3B	Mx	-.000869	3
13	MP3C	X	-3.87	2
14	MP3C	Z	0	2
15	MP3C	Mx	-.000336	2
16	MP3C	X	-3.87	3
17	MP3C	Z	0	3
18	MP3C	Mx	-.000336	3
19	MP5A	X	-3.686	.5
20	MP5A	Z	0	.5
21	MP5A	Mx	.002	.5
22	MP5A	X	-3.686	4.5
23	MP5A	Z	0	4.5
24	MP5A	Mx	.002	4.5
25	MP5B	X	-5.055	.5
26	MP5B	Z	0	.5
27	MP5B	Mx	-.004	.5
28	MP5B	X	-5.055	4.5



Company : Colliers Engineering & Design
 Designer : ILR
 Job Number : Project No. 10207443
 Model Name : 5000120998-VZW_MT_LO_H

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP5B	Z	0	4.5
30	MP5B	Mx	-.004	4.5
31	MP5C	X	-8.999	.5
32	MP5C	Z	0	.5
33	MP5C	Mx	.004	.5
34	MP5C	X	-8.999	4.5
35	MP5C	Z	0	4.5
36	MP5C	Mx	.004	4.5
37	MP5A	X	-3.686	.5
38	MP5A	Z	0	.5
39	MP5A	Mx	.002	.5
40	MP5A	X	-3.686	4.5
41	MP5A	Z	0	4.5
42	MP5A	Mx	.002	4.5
43	MP5B	X	-5.055	.5
44	MP5B	Z	0	.5
45	MP5B	Mx	-.000715	.5
46	MP5B	X	-5.055	4.5
47	MP5B	Z	0	4.5
48	MP5B	Mx	-.000715	4.5
49	MP5C	X	-8.999	.5
50	MP5C	Z	0	.5
51	MP5C	Mx	-.006	.5
52	MP5C	X	-8.999	4.5
53	MP5C	Z	0	4.5
54	MP5C	Mx	-.006	4.5
55	MP1A	X	-2.264	.5
56	MP1A	Z	0	.5
57	MP1A	Mx	.001	.5
58	MP1A	X	-2.264	4.5
59	MP1A	Z	0	4.5
60	MP1A	Mx	.001	4.5
61	MP1B	X	-4.131	.5
62	MP1B	Z	0	.5
63	MP1B	Mx	-.001	.5
64	MP1B	X	-4.131	4.5
65	MP1B	Z	0	4.5
66	MP1B	Mx	-.001	4.5
67	MP1C	X	-4.131	.5
68	MP1C	Z	0	.5
69	MP1C	Mx	-.001	.5
70	MP1C	X	-4.131	4.5
71	MP1C	Z	0	4.5
72	MP1C	Mx	-.001	4.5
73	MP2A	X	-1.747	1.5
74	MP2A	Z	0	1.5
75	MP2A	Mx	.000874	1.5
76	MP2B	X	-2.821	1.5
77	MP2B	Z	0	1.5
78	MP2B	Mx	-.001	1.5
79	MP2C	X	-5.913	1.5
80	MP2C	Z	0	1.5
81	MP2C	Mx	-.000513	1.5
82	RADIOA	X	-2.351	.5
83	RADIOA	Z	0	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	-1.712	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
86	MP4A	Z	0	3
87	MP4A	Mx	.000856	3
88	MP4B	X	-2.064	3
89	MP4B	Z	0	3
90	MP4B	Mx	-.000894	3
91	MP4C	X	-3.079	3
92	MP4C	Z	0	3
93	MP4C	Mx	-.000267	3
94	MP2A	X	-.685	3
95	MP2A	Z	0	3
96	MP2A	Mx	-.000343	3
97	MP2B	X	-.876	3
98	MP2B	Z	0	3
99	MP2B	Mx	.000379	3
100	MP2C	X	-1.427	3
101	MP2C	Z	0	3
102	MP2C	Mx	.000124	3
103	MP3A	X	-1.038	3
104	MP3A	Z	0	3
105	MP3A	Mx	-.000519	3
106	MP3B	X	-1.116	3
107	MP3B	Z	0	3
108	MP3B	Mx	.000483	3
109	MP3C	X	-1.34	3
110	MP3C	Z	0	3
111	MP3C	Mx	.000116	3
112	RADIOB	X	-2.351	.5
113	RADIOB	Z	0	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	-2.351	.5
116	RADIOC	Z	0	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	-.97	3
119	MP5A	Z	0	3
120	MP5A	Mx	-.00097	3
121	MP5A	X	-.97	4
122	MP5A	Z	0	4
123	MP5A	Mx	-.00097	4
124	MP5B	X	-.969	3
125	MP5B	Z	0	3
126	MP5B	Mx	.000678	3
127	MP5B	X	-.969	4
128	MP5B	Z	0	4
129	MP5B	Mx	.000678	4
130	MP5C	X	-.967	3
131	MP5C	Z	0	3
132	MP5C	Mx	.000485	3
133	MP5C	X	-.967	4
134	MP5C	Z	0	4
135	MP5C	Mx	.000485	4
136	MP5A	X	-.97	3
137	MP5A	Z	0	3
138	MP5A	Mx	-.00097	3
139	MP5A	X	-.97	4
140	MP5A	Z	0	4
141	MP5A	Mx	-.00097	4
142	MP5B	X	-.969	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
143	MP5B	Z	0	3
144	MP5B	Mx	.001	3
145	MP5B	X	-.969	4
146	MP5B	Z	0	4
147	MP5B	Mx	.001	4
148	MP5C	X	-.967	3
149	MP5C	Z	0	3
150	MP5C	Mx	-.00015	3
151	MP5C	X	-.967	4
152	MP5C	Z	0	4
153	MP5C	Mx	-.00015	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-1.738	2
2	MP3A	Z	-1.003	2
3	MP3A	Mx	.000869	2
4	MP3A	X	-1.738	3
5	MP3A	Z	-1.003	3
6	MP3A	Mx	.000869	3
7	MP3B	X	-2.858	2
8	MP3B	Z	-1.65	2
9	MP3B	Mx	-.000825	2
10	MP3B	X	-2.858	3
11	MP3B	Z	-1.65	3
12	MP3B	Mx	-.000825	3
13	MP3C	X	-2.493	2
14	MP3C	Z	-1.439	2
15	MP3C	Mx	-.000925	2
16	MP3C	X	-2.493	3
17	MP3C	Z	-1.439	3
18	MP3C	Mx	-.000925	3
19	MP5A	X	-4.378	.5
20	MP5A	Z	-2.528	.5
21	MP5A	Mx	.004	.5
22	MP5A	X	-4.378	4.5
23	MP5A	Z	-2.528	4.5
24	MP5A	Mx	.004	4.5
25	MP5B	X	-6.75	.5
26	MP5B	Z	-3.897	.5
27	MP5B	Mx	-.006	.5
28	MP5B	X	-6.75	4.5
29	MP5B	Z	-3.897	4.5
30	MP5B	Mx	-.006	4.5
31	MP5C	X	-5.976	.5
32	MP5C	Z	-3.45	.5
33	MP5C	Mx	.000866	.5
34	MP5C	X	-5.976	4.5
35	MP5C	Z	-3.45	4.5
36	MP5C	Mx	.000866	4.5
37	MP5A	X	-4.378	.5
38	MP5A	Z	-2.528	.5
39	MP5A	Mx	.000714	.5
40	MP5A	X	-4.378	4.5
41	MP5A	Z	-2.528	4.5
42	MP5A	Mx	.000714	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP5B	X	-6.75	.5
44	MP5B	Z	-3.897	.5
45	MP5B	Mx	.002	.5
46	MP5B	X	-6.75	4.5
47	MP5B	Z	-3.897	4.5
48	MP5B	Mx	.002	4.5
49	MP5C	X	-5.976	.5
50	MP5C	Z	-3.45	.5
51	MP5C	Mx	-.005	.5
52	MP5C	X	-5.976	4.5
53	MP5C	Z	-3.45	4.5
54	MP5C	Mx	-.005	4.5
55	MP1A	X	-2.5	.5
56	MP1A	Z	-1.443	.5
57	MP1A	Mx	.001	.5
58	MP1A	X	-2.5	4.5
59	MP1A	Z	-1.443	4.5
60	MP1A	Mx	.001	4.5
61	MP1B	X	-4.116	.5
62	MP1B	Z	-2.377	.5
63	MP1B	Mx	0	.5
64	MP1B	X	-4.116	4.5
65	MP1B	Z	-2.377	4.5
66	MP1B	Mx	0	4.5
67	MP1C	X	-2.5	.5
68	MP1C	Z	-1.443	.5
69	MP1C	Mx	-.001	.5
70	MP1C	X	-2.5	4.5
71	MP1C	Z	-1.443	4.5
72	MP1C	Mx	-.001	4.5
73	MP2A	X	-2.443	1.5
74	MP2A	Z	-1.41	1.5
75	MP2A	Mx	.001	1.5
76	MP2B	X	-4.303	1.5
77	MP2B	Z	-2.484	1.5
78	MP2B	Mx	-.001	1.5
79	MP2C	X	-3.696	1.5
80	MP2C	Z	-2.134	1.5
81	MP2C	Mx	-.001	1.5
82	RADIOA	X	-2.481	.5
83	RADIOA	Z	-1.433	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	-1.788	3
86	MP4A	Z	-1.032	3
87	MP4A	Mx	.000894	3
88	MP4B	X	-2.398	3
89	MP4B	Z	-1.385	3
90	MP4B	Mx	-.000692	3
91	MP4C	X	-2.199	3
92	MP4C	Z	-1.27	3
93	MP4C	Mx	-.000816	3
94	MP2A	X	-.759	3
95	MP2A	Z	-.438	3
96	MP2A	Mx	-.00038	3
97	MP2B	X	-1.09	3
98	MP2B	Z	-.629	3
99	MP2B	Mx	.000315	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
100	MP2C	X	-982	3
101	MP2C	Z	-567	3
102	MP2C	Mx	.000364	3
103	MP3A	X	-966	3
104	MP3A	Z	-558	3
105	MP3A	Mx	-.000483	3
106	MP3B	X	-1.101	3
107	MP3B	Z	-.636	3
108	MP3B	Mx	.000318	3
109	MP3C	X	-1.057	3
110	MP3C	Z	-.61	3
111	MP3C	Mx	.000392	3
112	RADIOB	X	-2.481	.5
113	RADIOB	Z	-1.433	.5
114	RADIOB	Mx	0	.5
115	RADIOC	X	-2.481	.5
116	RADIOC	Z	-1.433	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	-.839	3
119	MP5A	Z	-.484	3
120	MP5A	Mx	-.000678	3
121	MP5A	X	-.839	4
122	MP5A	Z	-.484	4
123	MP5A	Mx	-.000678	4
124	MP5B	X	-.838	3
125	MP5B	Z	-.484	3
126	MP5B	Mx	.000204	3
127	MP5B	X	-.838	4
128	MP5B	Z	-.484	4
129	MP5B	Mx	.000204	4
130	MP5C	X	-.838	3
131	MP5C	Z	-.484	3
132	MP5C	Mx	.000869	3
133	MP5C	X	-.838	4
134	MP5C	Z	-.484	4
135	MP5C	Mx	.000869	4
136	MP5A	X	-.839	3
137	MP5A	Z	-.484	3
138	MP5A	Mx	-.001	3
139	MP5A	X	-.839	4
140	MP5A	Z	-.484	4
141	MP5A	Mx	-.001	4
142	MP5B	X	-.838	3
143	MP5B	Z	-.484	3
144	MP5B	Mx	.000763	3
145	MP5B	X	-.838	4
146	MP5B	Z	-.484	4
147	MP5B	Mx	.000763	4
148	MP5C	X	-.838	3
149	MP5C	Z	-.484	3
150	MP5C	Mx	.000375	3
151	MP5C	X	-.838	4
152	MP5C	Z	-.484	4
153	MP5C	Mx	.000375	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
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Member Point Loads (BLC 38 : Antenna Wm (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-1.65	2
2	MP3A	Z	-2.858	2
3	MP3A	Mx	.000825	2
4	MP3A	X	-1.65	3
5	MP3A	Z	-2.858	3
6	MP3A	Mx	.000825	3
7	MP3B	X	-1.974	2
8	MP3B	Z	-3.419	2
9	MP3B	Mx	0	2
10	MP3B	X	-1.974	3
11	MP3B	Z	-3.419	3
12	MP3B	Mx	0	3
13	MP3C	X	-831	2
14	MP3C	Z	-1.44	2
15	MP3C	Mx	-.000781	2
16	MP3C	X	-831	3
17	MP3C	Z	-1.44	3
18	MP3C	Mx	-.000781	3
19	MP5A	X	-3.897	.5
20	MP5A	Z	-6.75	.5
21	MP5A	Mx	.006	.5
22	MP5A	X	-3.897	4.5
23	MP5A	Z	-6.75	4.5
24	MP5A	Mx	.006	4.5
25	MP5B	X	-4.582	.5
26	MP5B	Z	-7.936	.5
27	MP5B	Mx	-.005	.5
28	MP5B	X	-4.582	4.5
29	MP5B	Z	-7.936	4.5
30	MP5B	Mx	-.005	4.5
31	MP5C	X	-2.163	.5
32	MP5C	Z	-3.747	.5
33	MP5C	Mx	-.001	.5
34	MP5C	X	-2.163	4.5
35	MP5C	Z	-3.747	4.5
36	MP5C	Mx	-.001	4.5
37	MP5A	X	-3.897	.5
38	MP5A	Z	-6.75	.5
39	MP5A	Mx	-.002	.5
40	MP5A	X	-3.897	4.5
41	MP5A	Z	-6.75	4.5
42	MP5A	Mx	-.002	4.5
43	MP5B	X	-4.582	.5
44	MP5B	Z	-7.936	.5
45	MP5B	Mx	.005	.5
46	MP5B	X	-4.582	4.5
47	MP5B	Z	-7.936	4.5
48	MP5B	Mx	.005	4.5
49	MP5C	X	-2.163	.5
50	MP5C	Z	-3.747	.5
51	MP5C	Mx	-.003	.5
52	MP5C	X	-2.163	4.5
53	MP5C	Z	-3.747	4.5
54	MP5C	Mx	-.003	4.5
55	MP1A	X	-2.065	.5
56	MP1A	Z	-3.577	.5
57	MP1A	Mx	.001	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	-2.065	4.5
59	MP1A	Z	-3.577	4.5
60	MP1A	Mx	.001	4.5
61	MP1B	X	-2.065	.5
62	MP1B	Z	-3.577	.5
63	MP1B	Mx	.001	.5
64	MP1B	X	-2.065	4.5
65	MP1B	Z	-3.577	4.5
66	MP1B	Mx	.001	4.5
67	MP1C	X	-1.132	.5
68	MP1C	Z	-1.961	.5
69	MP1C	Mx	-.001	.5
70	MP1C	X	-1.132	4.5
71	MP1C	Z	-1.961	4.5
72	MP1C	Mx	-.001	4.5
73	MP2A	X	-2.484	1.5
74	MP2A	Z	-4.303	1.5
75	MP2A	Mx	.001	1.5
76	MP2B	X	-3.021	1.5
77	MP2B	Z	-5.233	1.5
78	MP2B	Mx	0	1.5
79	MP2C	X	-1.125	1.5
80	MP2C	Z	-1.948	1.5
81	MP2C	Mx	-.001	1.5
82	RADIOA	X	-1.561	.5
83	RADIOA	Z	-2.704	.5
84	RADIOA	Mx	0	.5
85	MP4A	X	-1.385	3
86	MP4A	Z	-2.398	3
87	MP4A	Mx	.000693	3
88	MP4B	X	-1.561	3
89	MP4B	Z	-2.704	3
90	MP4B	Mx	0	3
91	MP4C	X	-.938	3
92	MP4C	Z	-1.625	3
93	MP4C	Mx	-.000882	3
94	MP2A	X	-.629	3
95	MP2A	Z	-1.09	3
96	MP2A	Mx	-.000314	3
97	MP2B	X	-.725	3
98	MP2B	Z	-1.256	3
99	MP2B	Mx	0	3
100	MP2C	X	-.387	3
101	MP2C	Z	-.671	3
102	MP2C	Mx	.000364	3
103	MP3A	X	-.636	3
104	MP3A	Z	-1.101	3
105	MP3A	Mx	-.000318	3
106	MP3B	X	-.675	3
107	MP3B	Z	-1.169	3
108	MP3B	Mx	0	3
109	MP3C	X	-.537	3
110	MP3C	Z	-.93	3
111	MP3C	Mx	.000505	3
112	RADIOB	X	-1.561	.5
113	RADIOB	Z	-2.704	.5
114	RADIOB	Mx	0	.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	RADIOC	X	-1.561	.5
116	RADIOC	Z	-2.704	.5
117	RADIOC	Mx	0	.5
118	MP5A	X	-.484	3
119	MP5A	Z	-.838	3
120	MP5A	Mx	-.000205	3
121	MP5A	X	-.484	4
122	MP5A	Z	-.838	4
123	MP5A	Mx	-.000205	4
124	MP5B	X	-.483	3
125	MP5B	Z	-.837	3
126	MP5B	Mx	-.000322	3
127	MP5B	X	-.483	4
128	MP5B	Z	-.837	4
129	MP5B	Mx	-.000322	4
130	MP5C	X	-.485	3
131	MP5C	Z	-.839	3
132	MP5C	Mx	.001	3
133	MP5C	X	-.485	4
134	MP5C	Z	-.839	4
135	MP5C	Mx	.001	4
136	MP5A	X	-.484	3
137	MP5A	Z	-.838	3
138	MP5A	Mx	-.000763	3
139	MP5A	X	-.484	4
140	MP5A	Z	-.838	4
141	MP5A	Mx	-.000763	4
142	MP5B	X	-.483	3
143	MP5B	Z	-.837	3
144	MP5B	Mx	.000322	3
145	MP5B	X	-.483	4
146	MP5B	Z	-.837	4
147	MP5B	Mx	.000322	4
148	MP5C	X	-.485	3
149	MP5C	Z	-.839	3
150	MP5C	Mx	.0008	3
151	MP5C	X	-.485	4
152	MP5C	Z	-.839	4
153	MP5C	Mx	.0008	4

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	LIVE1	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	LIVE2	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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



Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	0	2
2	MP3A	My	0	2
3	MP3A	Mz	0	2
4	MP3A	Y	0	3
5	MP3A	My	0	3
6	MP3A	Mz	0	3
7	MP3B	Y	0	2
8	MP3B	My	0	2
9	MP3B	Mz	0	2
10	MP3B	Y	0	3
11	MP3B	My	0	3
12	MP3B	Mz	0	3
13	MP3C	Y	0	2
14	MP3C	My	0	2
15	MP3C	Mz	0	2
16	MP3C	Y	0	3
17	MP3C	My	0	3
18	MP3C	Mz	0	3
19	MP5A	Y	0	.5
20	MP5A	My	0	.5
21	MP5A	Mz	0	.5
22	MP5A	Y	0	4.5
23	MP5A	My	0	4.5
24	MP5A	Mz	0	4.5
25	MP5B	Y	0	.5
26	MP5B	My	0	.5
27	MP5B	Mz	0	.5
28	MP5B	Y	0	4.5
29	MP5B	My	0	4.5
30	MP5B	Mz	0	4.5
31	MP5C	Y	0	.5
32	MP5C	My	0	.5
33	MP5C	Mz	0	.5
34	MP5C	Y	0	4.5
35	MP5C	My	0	4.5
36	MP5C	Mz	0	4.5
37	MP5A	Y	0	.5
38	MP5A	My	0	.5
39	MP5A	Mz	0	.5
40	MP5A	Y	0	4.5
41	MP5A	My	0	4.5
42	MP5A	Mz	0	4.5
43	MP5B	Y	0	.5
44	MP5B	My	0	.5
45	MP5B	Mz	0	.5
46	MP5B	Y	0	4.5
47	MP5B	My	0	4.5
48	MP5B	Mz	0	4.5
49	MP5C	Y	0	.5
50	MP5C	My	0	.5
51	MP5C	Mz	0	.5
52	MP5C	Y	0	4.5
53	MP5C	My	0	4.5
54	MP5C	Mz	0	4.5
55	MP1A	Y	0	.5
56	MP1A	My	0	.5
57	MP1A	Mz	0	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	Y	0	4.5
59	MP1A	My	0	4.5
60	MP1A	Mz	0	4.5
61	MP1B	Y	0	.5
62	MP1B	My	0	.5
63	MP1B	Mz	0	.5
64	MP1B	Y	0	4.5
65	MP1B	My	0	4.5
66	MP1B	Mz	0	4.5
67	MP1C	Y	0	.5
68	MP1C	My	0	.5
69	MP1C	Mz	0	.5
70	MP1C	Y	0	4.5
71	MP1C	My	0	4.5
72	MP1C	Mz	0	4.5
73	MP2A	Y	0	1.5
74	MP2A	My	0	1.5
75	MP2A	Mz	0	1.5
76	MP2B	Y	0	1.5
77	MP2B	My	0	1.5
78	MP2B	Mz	0	1.5
79	MP2C	Y	0	1.5
80	MP2C	My	0	1.5
81	MP2C	Mz	0	1.5
82	RADIOA	Y	0	.5
83	RADIOA	My	0	.5
84	RADIOA	Mz	0	.5
85	MP4A	Y	0	3
86	MP4A	My	0	3
87	MP4A	Mz	0	3
88	MP4B	Y	0	3
89	MP4B	My	0	3
90	MP4B	Mz	0	3
91	MP4C	Y	0	3
92	MP4C	My	0	3
93	MP4C	Mz	0	3
94	MP2A	Y	0	3
95	MP2A	My	0	3
96	MP2A	Mz	0	3
97	MP2B	Y	0	3
98	MP2B	My	0	3
99	MP2B	Mz	0	3
100	MP2C	Y	0	3
101	MP2C	My	0	3
102	MP2C	Mz	0	3
103	MP3A	Y	0	3
104	MP3A	My	0	3
105	MP3A	Mz	0	3
106	MP3B	Y	0	3
107	MP3B	My	0	3
108	MP3B	Mz	0	3
109	MP3C	Y	0	3
110	MP3C	My	0	3
111	MP3C	Mz	0	3
112	RADIOB	Y	0	.5
113	RADIOB	My	0	.5
114	RADIOB	Mz	0	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
115	RADIOC	Y	0	.5
116	RADIOC	My	0	.5
117	RADIOC	Mz	0	.5
118	MP5A	Y	0	3
119	MP5A	My	0	3
120	MP5A	Mz	0	3
121	MP5A	Y	0	4
122	MP5A	My	0	4
123	MP5A	Mz	0	4
124	MP5B	Y	0	3
125	MP5B	My	0	3
126	MP5B	Mz	0	3
127	MP5B	Y	0	4
128	MP5B	My	0	4
129	MP5B	Mz	0	4
130	MP5C	Y	0	3
131	MP5C	My	0	3
132	MP5C	Mz	0	3
133	MP5C	Y	0	4
134	MP5C	My	0	4
135	MP5C	Mz	0	4
136	MP5A	Y	0	3
137	MP5A	My	0	3
138	MP5A	Mz	0	3
139	MP5A	Y	0	4
140	MP5A	My	0	4
141	MP5A	Mz	0	4
142	MP5B	Y	0	3
143	MP5B	My	0	3
144	MP5B	Mz	0	3
145	MP5B	Y	0	4
146	MP5B	My	0	4
147	MP5B	Mz	0	4
148	MP5C	Y	0	3
149	MP5C	My	0	3
150	MP5C	Mz	0	3
151	MP5C	Y	0	4
152	MP5C	My	0	4
153	MP5C	Mz	0	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Z	-1.306	2
2	MP3A	Mx	0	2
3	MP3A	Z	-1.306	3
4	MP3A	Mx	0	3
5	MP3B	Z	-1.306	2
6	MP3B	Mx	.000327	2
7	MP3B	Z	-1.306	3
8	MP3B	Mx	.000327	3
9	MP3C	Z	-1.306	2
10	MP3C	Mx	-.000643	2
11	MP3C	Z	-1.306	3
12	MP3C	Mx	-.000643	3
13	MP5A	Z	-1.203	.5
14	MP5A	Mx	.000702	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
15	MP5A	Z	-1.203	4.5
16	MP5A	Mx	.000702	4.5
17	MP5B	Z	-1.203	.5
18	MP5B	Mx	-.000307	.5
19	MP5B	Z	-1.203	4.5
20	MP5B	Mx	-.000307	4.5
21	MP5C	Z	-1.203	.5
22	MP5C	Mx	-.000714	.5
23	MP5C	Z	-1.203	4.5
24	MP5C	Mx	-.000714	4.5
25	MP5A	Z	-1.203	.5
26	MP5A	Mx	-.000702	.5
27	MP5A	Z	-1.203	4.5
28	MP5A	Mx	-.000702	4.5
29	MP5B	Z	-1.203	.5
30	MP5B	Mx	.000908	.5
31	MP5B	Z	-1.203	4.5
32	MP5B	Mx	.000908	4.5
33	MP5C	Z	-1.203	.5
34	MP5C	Mx	-.000471	.5
35	MP5C	Z	-1.203	4.5
36	MP5C	Mx	-.000471	4.5
37	MP1A	Z	-.148	.5
38	MP1A	Mx	0	.5
39	MP1A	Z	-.148	4.5
40	MP1A	Mx	0	4.5
41	MP1B	Z	-.148	.5
42	MP1B	Mx	6.4e-5	.5
43	MP1B	Z	-.148	4.5
44	MP1B	Mx	6.4e-5	4.5
45	MP1C	Z	-.148	.5
46	MP1C	Mx	-6.4e-5	.5
47	MP1C	Z	-.148	4.5
48	MP1C	Mx	-6.4e-5	4.5
49	MP2A	Z	-.486	1.5
50	MP2A	Mx	0	1.5
51	MP2B	Z	-.486	1.5
52	MP2B	Mx	.000122	1.5
53	MP2C	Z	-.486	1.5
54	MP2C	Mx	-.000239	1.5
55	RADIOA	Z	-2.532	.5
56	RADIOA	Mx	0	.5
57	MP4A	Z	-2.109	3
58	MP4A	Mx	0	3
59	MP4B	Z	-2.109	3
60	MP4B	Mx	.000527	3
61	MP4C	Z	-2.109	3
62	MP4C	Mx	-.001	3
63	MP2A	Z	-.561	3
64	MP2A	Mx	0	3
65	MP2B	Z	-.561	3
66	MP2B	Mx	-.00014	3
67	MP2C	Z	-.561	3
68	MP2C	Mx	.000276	3
69	MP3A	Z	-.624	3
70	MP3A	Mx	0	3
71	MP3B	Z	-.624	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP3B	Mx	-.000156	3
73	MP3C	Z	-.624	3
74	MP3C	Mx	.000307	3
75	RADIOB	Z	-2.532	.5
76	RADIOB	Mx	0	.5
77	RADIOC	Z	-2.532	.5
78	RADIOC	Mx	0	.5
79	MP5A	Z	-.264	3
80	MP5A	Mx	8.8e-5	3
81	MP5A	Z	-.264	4
82	MP5A	Mx	8.8e-5	4
83	MP5B	Z	-.264	3
84	MP5B	Mx	-.000208	3
85	MP5B	Z	-.264	4
86	MP5B	Mx	-.000208	4
87	MP5C	Z	-.264	3
88	MP5C	Mx	.000245	3
89	MP5C	Z	-.264	4
90	MP5C	Mx	.000245	4
91	MP5A	Z	-.264	3
92	MP5A	Mx	-8.8e-5	3
93	MP5A	Z	-.264	4
94	MP5A	Mx	-8.8e-5	4
95	MP5B	Z	-.264	3
96	MP5B	Mx	-5.6e-5	3
97	MP5B	Z	-.264	4
98	MP5B	Mx	-5.6e-5	4
99	MP5C	Z	-.264	3
100	MP5C	Mx	.000275	3
101	MP5C	Z	-.264	4
102	MP5C	Mx	.000275	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	1.306	2
2	MP3A	Mx	-.000653	2
3	MP3A	X	1.306	3
4	MP3A	Mx	-.000653	3
5	MP3B	X	1.306	2
6	MP3B	Mx	.000566	2
7	MP3B	X	1.306	3
8	MP3B	Mx	.000566	3
9	MP3C	X	1.306	2
10	MP3C	Mx	.000113	2
11	MP3C	X	1.306	3
12	MP3C	Mx	.000113	3
13	MP5A	X	1.203	.5
14	MP5A	Mx	-.000602	.5
15	MP5A	X	1.203	4.5
16	MP5A	Mx	-.000602	4.5
17	MP5B	X	1.203	.5
18	MP5B	Mx	.000872	.5
19	MP5B	X	1.203	4.5
20	MP5B	Mx	.000872	4.5
21	MP5C	X	1.203	.5
22	MP5C	Mx	-.000587	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
80	MP5A	Mx	.000264	3
81	MP5A	X	.264	4
82	MP5A	Mx	.000264	4
83	MP5B	X	.264	3
84	MP5B	Mx	-.000185	3
85	MP5B	X	.264	4
86	MP5B	Mx	-.000185	4
87	MP5C	X	.264	3
88	MP5C	Mx	-.000133	3
89	MP5C	X	.264	4
90	MP5C	Mx	-.000133	4
91	MP5A	X	.264	3
92	MP5A	Mx	.000264	3
93	MP5A	X	.264	4
94	MP5A	Mx	.000264	4
95	MP5B	X	.264	3
96	MP5B	Mx	-.000273	3
97	MP5B	X	.264	4
98	MP5B	Mx	-.000273	4
99	MP5C	X	.264	3
100	MP5C	Mx	4.1e-5	3
101	MP5C	X	.264	4
102	MP5C	Mx	4.1e-5	4

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	Y	-7.516	-7.516	0	%100
2	FACE	Y	-7.516	-7.516	0	%100
3	M3	Y	-5.542	-5.542	0	%100
4	M4	Y	-5.542	-5.542	0	%100
5	M5	Y	-5.542	-5.542	0	%100
6	M6	Y	-5.542	-5.542	0	%100
7	M7	Y	-5.542	-5.542	0	%100
8	M8	Y	-7.516	-7.516	0	%100
9	M9	Y	-7.516	-7.516	0	%100
10	M10	Y	-7.516	-7.516	0	%100
11	M11	Y	-7.516	-7.516	0	%100
12	M12	Y	-7.516	-7.516	0	%100
13	M13	Y	-7.516	-7.516	0	%100
14	M16	Y	-7.516	-7.516	0	%100
15	M17	Y	-7.516	-7.516	0	%100
16	M20	Y	-7.516	-7.516	0	%100
17	M21	Y	-7.516	-7.516	0	%100
18	M24	Y	-9.998	-9.998	0	%100
19	M25	Y	-9.998	-9.998	0	%100
20	M26	Y	-9.998	-9.998	0	%100
21	M27	Y	-9.998	-9.998	0	%100
22	M28	Y	-9.998	-9.998	0	%100
23	M29	Y	-9.998	-9.998	0	%100
24	M30	Y	-5.542	-5.542	0	%100
25	M31	Y	-5.542	-5.542	0	%100
26	M32	Y	-5.542	-5.542	0	%100
27	EMPTYA	Y	-4.91	-4.91	0	%100
28	RADIOA	Y	-4.91	-4.91	0	%100
29	MP3A	Y	-4.91	-4.91	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
16	M8	Z	-10.465	-10.465	0 %100
17	M9	X	6.042	6.042	0 %100
18	M9	Z	-10.465	-10.465	0 %100
19	M10	X	0	0	0 %100
20	M10	Z	0	0	0 %100
21	M11	X	0	0	0 %100
22	M11	Z	0	0	0 %100
23	M12	X	2.014	2.014	0 %100
24	M12	Z	-3.488	-3.488	0 %100
25	M13	X	2.014	2.014	0 %100
26	M13	Z	-3.488	-3.488	0 %100
27	M16	X	2.014	2.014	0 %100
28	M16	Z	-3.488	-3.488	0 %100
29	M17	X	2.014	2.014	0 %100
30	M17	Z	-3.488	-3.488	0 %100
31	M20	X	8.056	8.056	0 %100
32	M20	Z	-13.954	-13.954	0 %100
33	M21	X	8.056	8.056	0 %100
34	M21	Z	-13.954	-13.954	0 %100
35	M24	X	.604	.604	0 %100
36	M24	Z	-1.047	-1.047	0 %100
37	M25	X	.604	.604	0 %100
38	M25	Z	-1.047	-1.047	0 %100
39	M26	X	.604	.604	0 %100
40	M26	Z	-1.047	-1.047	0 %100
41	M27	X	.604	.604	0 %100
42	M27	Z	-1.047	-1.047	0 %100
43	M28	X	0	0	0 %100
44	M28	Z	0	0	0 %100
45	M29	X	0	0	0 %100
46	M29	Z	0	0	0 %100
47	M30	X	2.558	2.558	0 %100
48	M30	Z	-4.43	-4.43	0 %100
49	M31	X	2.558	2.558	0 %100
50	M31	Z	-4.43	-4.43	0 %100
51	M32	X	5.371	5.371	0 %100
52	M32	Z	-9.303	-9.303	0 %100
53	EMPTYA	X	3.827	3.827	0 %100
54	EMPTYA	Z	-6.628	-6.628	0 %100
55	RADIOA	X	3.827	3.827	0 %100
56	RADIOA	Z	-6.628	-6.628	0 %100
57	MP3A	X	3.827	3.827	0 %100
58	MP3A	Z	-6.628	-6.628	0 %100
59	MP1A	X	3.827	3.827	0 %100
60	MP1A	Z	-6.628	-6.628	0 %100
61	MP5A	X	3.827	3.827	0 %100
62	MP5A	Z	-6.628	-6.628	0 %100
63	MP4A	X	3.827	3.827	0 %100
64	MP4A	Z	-6.628	-6.628	0 %100
65	MP2A	X	3.827	3.827	0 %100
66	MP2A	Z	-6.628	-6.628	0 %100
67	M54	X	.001	.001	0 %100
68	M54	Z	-.002	-.002	0 %100
69	M55	X	.001	.001	0 %100
70	M55	Z	-.002	-.002	0 %100
71	M56	X	3.745	3.745	0 %100
72	M56	Z	-6.487	-6.487	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
73	M57	X	3.745	3.745	0 %100
74	M57	Z	-6.487	-6.487	0 %100
75	M58	X	3.313	3.313	0 %100
76	M58	Z	-5.738	-5.738	0 %100
77	M59	X	4.869	4.869	0 %100
78	M59	Z	-8.433	-8.433	0 %100
79	M60	X	3.799	3.799	0 %100
80	M60	Z	-6.579	-6.579	0 %100
81	M61	X	3.799	3.799	0 %100
82	M61	Z	-6.579	-6.579	0 %100
83	M62	X	9.8e-5	9.8e-5	0 %100
84	M62	Z	-0.00017	-0.00017	0 %100
85	M63	X	9.8e-5	9.8e-5	0 %100
86	M63	Z	-0.00017	-0.00017	0 %100
87	M64	X	4.883	4.883	0 %100
88	M64	Z	-8.457	-8.457	0 %100
89	M65	X	3.33	3.33	0 %100
90	M65	Z	-5.768	-5.768	0 %100
91	M66	X	3.67	3.67	0 %100
92	M66	Z	-6.357	-6.357	0 %100
93	M67	X	3.67	3.67	0 %100
94	M67	Z	-6.357	-6.357	0 %100
95	M68	X	3.707	3.707	0 %100
96	M68	Z	-6.421	-6.421	0 %100
97	M69	X	3.707	3.707	0 %100
98	M69	Z	-6.421	-6.421	0 %100
99	M70	X	4.829	4.829	0 %100
100	M70	Z	-8.365	-8.365	0 %100
101	M71	X	4.853	4.853	0 %100
102	M71	Z	-8.405	-8.405	0 %100
103	M72	X	5.004	5.004	0 %100
104	M72	Z	-8.667	-8.667	0 %100
105	M73	X	5.004	5.004	0 %100
106	M73	Z	-8.667	-8.667	0 %100
107	M74	X	5.004	5.004	0 %100
108	M74	Z	-8.667	-8.667	0 %100
109	MP5C	X	3.827	3.827	0 %100
110	MP5C	Z	-6.628	-6.628	0 %100
111	MP4C	X	3.827	3.827	0 %100
112	MP4C	Z	-6.628	-6.628	0 %100
113	MP2C	X	3.827	3.827	0 %100
114	MP2C	Z	-6.628	-6.628	0 %100
115	MP5B	X	3.827	3.827	0 %100
116	MP5B	Z	-6.628	-6.628	0 %100
117	MP4B	X	3.827	3.827	0 %100
118	MP4B	Z	-6.628	-6.628	0 %100
119	MP2B	X	3.827	3.827	0 %100
120	MP2B	Z	-6.628	-6.628	0 %100
121	M93	X	5.192	5.192	0 %100
122	M93	Z	-8.993	-8.993	0 %100
123	M94	X	5.192	5.192	0 %100
124	M94	Z	-8.993	-8.993	0 %100
125	EMPTYC	X	3.827	3.827	0 %100
126	EMPTYC	Z	-6.628	-6.628	0 %100
127	RADIOC	X	3.827	3.827	0 %100
128	RADIOC	Z	-6.628	-6.628	0 %100
129	MP3C	X	3.827	3.827	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
130	MP3C	Z	-6.628	-6.628	0	%100
131	M116	X	5.192	5.192	0	%100
132	M116	Z	-8.993	-8.993	0	%100
133	M117	X	5.192	5.192	0	%100
134	M117	Z	-8.993	-8.993	0	%100
135	EMPTYB	X	3.827	3.827	0	%100
136	EMPTYB	Z	-6.628	-6.628	0	%100
137	RADIOB	X	3.827	3.827	0	%100
138	RADIOB	Z	-6.628	-6.628	0	%100
139	MP3B	X	3.827	3.827	0	%100
140	MP3B	Z	-6.628	-6.628	0	%100
141	MP1C	X	3.827	3.827	0	%100
142	MP1C	Z	-6.628	-6.628	0	%100
143	MP1B	X	3.827	3.827	0	%100
144	MP1B	Z	-6.628	-6.628	0	%100
145	M121B	X	4.835	4.835	0	%100
146	M121B	Z	-8.374	-8.374	0	%100
147	M122B	X	4.737	4.737	0	%100
148	M122B	Z	-8.205	-8.205	0	%100
149	M123	X	4.835	4.835	0	%100
150	M123	Z	-8.374	-8.374	0	%100
151	M124A	X	3.227	3.227	0	%100
152	M124A	Z	-5.589	-5.589	0	%100
153	M125B	X	2.835	2.835	0	%100
154	M125B	Z	-4.911	-4.911	0	%100
155	M126A	X	3.227	3.227	0	%100
156	M126A	Z	-5.589	-5.589	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	3.488	3.488	0	%100
2	M1	Z	-2.014	-2.014	0	%100
3	FACE	X	3.488	3.488	0	%100
4	FACE	Z	-2.014	-2.014	0	%100
5	M3	X	8.993	8.993	0	%100
6	M3	Z	-5.192	-5.192	0	%100
7	M4	X	8.993	8.993	0	%100
8	M4	Z	-5.192	-5.192	0	%100
9	M5	X	6.517	6.517	0	%100
10	M5	Z	-3.763	-3.763	0	%100
11	M6	X	6.009	6.009	0	%100
12	M6	Z	-3.469	-3.469	0	%100
13	M7	X	6.517	6.517	0	%100
14	M7	Z	-3.763	-3.763	0	%100
15	M8	X	13.954	13.954	0	%100
16	M8	Z	-8.056	-8.056	0	%100
17	M9	X	13.954	13.954	0	%100
18	M9	Z	-8.056	-8.056	0	%100
19	M10	X	3.488	3.488	0	%100
20	M10	Z	-2.014	-2.014	0	%100
21	M11	X	3.488	3.488	0	%100
22	M11	Z	-2.014	-2.014	0	%100
23	M12	X	10.465	10.465	0	%100
24	M12	Z	-6.042	-6.042	0	%100
25	M13	X	10.465	10.465	0	%100
26	M13	Z	-6.042	-6.042	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
27	M16	X	0	0	%100
28	M16	Z	0	0	%100
29	M17	X	0	0	%100
30	M17	Z	0	0	%100
31	M20	X	10.465	10.465	0
32	M20	Z	-6.042	-6.042	0
33	M21	X	10.465	10.465	0
34	M21	Z	-6.042	-6.042	0
35	M24	X	.349	.349	0
36	M24	Z	-.201	-.201	0
37	M25	X	.349	.349	0
38	M25	Z	-.201	-.201	0
39	M26	X	1.395	1.395	0
40	M26	Z	-.806	-.806	0
41	M27	X	1.395	1.395	0
42	M27	Z	-.806	-.806	0
43	M28	X	.349	.349	0
44	M28	Z	-.201	-.201	0
45	M29	X	.349	.349	0
46	M29	Z	-.201	-.201	0
47	M30	X	7.678	7.678	0
48	M30	Z	-4.433	-4.433	0
49	M31	X	2.806	2.806	0
50	M31	Z	-1.62	-1.62	0
51	M32	X	7.678	7.678	0
52	M32	Z	-4.433	-4.433	0
53	EMPTYA	X	6.628	6.628	0
54	EMPTYA	Z	-3.827	-3.827	0
55	RADIOA	X	6.628	6.628	0
56	RADIOA	Z	-3.827	-3.827	0
57	MP3A	X	6.628	6.628	0
58	MP3A	Z	-3.827	-3.827	0
59	MP1A	X	6.628	6.628	0
60	MP1A	Z	-3.827	-3.827	0
61	MP5A	X	6.628	6.628	0
62	MP5A	Z	-3.827	-3.827	0
63	MP4A	X	6.628	6.628	0
64	MP4A	Z	-3.827	-3.827	0
65	MP2A	X	6.628	6.628	0
66	MP2A	Z	-3.827	-3.827	0
67	M54	X	2.046	2.046	0
68	M54	Z	-1.181	-1.181	0
69	M55	X	2.046	2.046	0
70	M55	Z	-1.181	-1.181	0
71	M56	X	8.605	8.605	0
72	M56	Z	-4.968	-4.968	0
73	M57	X	8.605	8.605	0
74	M57	Z	-4.968	-4.968	0
75	M58	X	6.583	6.583	0
76	M58	Z	-3.801	-3.801	0
77	M59	X	9.303	9.303	0
78	M59	Z	-5.371	-5.371	0
79	M60	X	2.269	2.269	0
80	M60	Z	-1.31	-1.31	0
81	M61	X	2.269	2.269	0
82	M61	Z	-1.31	-1.31	0
83	M62	X	2.185	2.185	0



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
84	M62	Z	-1.261	-1.261	0 %100
85	M63	X	2.185	2.185	0 %100
86	M63	Z	-1.261	-1.261	0 %100
87	M64	X	6.675	6.675	0 %100
88	M64	Z	-3.854	-3.854	0 %100
89	M65	X	6.665	6.665	0 %100
90	M65	Z	-3.848	-3.848	0 %100
91	M66	X	8.623	8.623	0 %100
92	M66	Z	-4.979	-4.979	0 %100
93	M67	X	8.623	8.623	0 %100
94	M67	Z	-4.979	-4.979	0 %100
95	M68	X	2.118	2.118	0 %100
96	M68	Z	-1.223	-1.223	0 %100
97	M69	X	2.118	2.118	0 %100
98	M69	Z	-1.223	-1.223	0 %100
99	M70	X	9.302	9.302	0 %100
100	M70	Z	-5.37	-5.37	0 %100
101	M71	X	6.638	6.638	0 %100
102	M71	Z	-3.833	-3.833	0 %100
103	M72	X	8.667	8.667	0 %100
104	M72	Z	-5.004	-5.004	0 %100
105	M73	X	8.667	8.667	0 %100
106	M73	Z	-5.004	-5.004	0 %100
107	M74	X	8.667	8.667	0 %100
108	M74	Z	-5.004	-5.004	0 %100
109	MP5C	X	6.628	6.628	0 %100
110	MP5C	Z	-3.827	-3.827	0 %100
111	MP4C	X	6.628	6.628	0 %100
112	MP4C	Z	-3.827	-3.827	0 %100
113	MP2C	X	6.628	6.628	0 %100
114	MP2C	Z	-3.827	-3.827	0 %100
115	MP5B	X	6.628	6.628	0 %100
116	MP5B	Z	-3.827	-3.827	0 %100
117	MP4B	X	6.628	6.628	0 %100
118	MP4B	Z	-3.827	-3.827	0 %100
119	MP2B	X	6.628	6.628	0 %100
120	MP2B	Z	-3.827	-3.827	0 %100
121	M93	X	8.993	8.993	0 %100
122	M93	Z	-5.192	-5.192	0 %100
123	M94	X	8.993	8.993	0 %100
124	M94	Z	-5.192	-5.192	0 %100
125	EMPTYC	X	6.628	6.628	0 %100
126	EMPTYC	Z	-3.827	-3.827	0 %100
127	RADIOC	X	6.628	6.628	0 %100
128	RADIOC	Z	-3.827	-3.827	0 %100
129	MP3C	X	6.628	6.628	0 %100
130	MP3C	Z	-3.827	-3.827	0 %100
131	M116	X	8.993	8.993	0 %100
132	M116	Z	-5.192	-5.192	0 %100
133	M117	X	8.993	8.993	0 %100
134	M117	Z	-5.192	-5.192	0 %100
135	EMPTYB	X	6.628	6.628	0 %100
136	EMPTYB	Z	-3.827	-3.827	0 %100
137	RADIOB	X	6.628	6.628	0 %100
138	RADIOB	Z	-3.827	-3.827	0 %100
139	MP3B	X	6.628	6.628	0 %100
140	MP3B	Z	-3.827	-3.827	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
38	M25	Z	0	0	%100
39	M26	X	1.208	1.208	%100
40	M26	Z	0	0	%100
41	M27	X	1.208	1.208	%100
42	M27	Z	0	0	%100
43	M28	X	1.208	1.208	%100
44	M28	Z	0	0	%100
45	M29	X	1.208	1.208	%100
46	M29	Z	0	0	%100
47	M30	X	10.742	10.742	%100
48	M30	Z	0	0	%100
49	M31	X	5.115	5.115	%100
50	M31	Z	0	0	%100
51	M32	X	5.115	5.115	%100
52	M32	Z	0	0	%100
53	EMPTYA	X	7.653	7.653	%100
54	EMPTYA	Z	0	0	%100
55	RADIOA	X	7.653	7.653	%100
56	RADIOA	Z	0	0	%100
57	MP3A	X	7.653	7.653	%100
58	MP3A	Z	0	0	%100
59	MP1A	X	7.653	7.653	%100
60	MP1A	Z	0	0	%100
61	MP5A	X	7.653	7.653	%100
62	MP5A	Z	0	0	%100
63	MP4A	X	7.653	7.653	%100
64	MP4A	Z	0	0	%100
65	MP2A	X	7.653	7.653	%100
66	MP2A	Z	0	0	%100
67	M54	X	7.34	7.34	%100
68	M54	Z	0	0	%100
69	M55	X	7.34	7.34	%100
70	M55	Z	0	0	%100
71	M56	X	7.414	7.414	%100
72	M56	Z	0	0	%100
73	M57	X	7.414	7.414	%100
74	M57	Z	0	0	%100
75	M58	X	9.659	9.659	%100
76	M58	Z	0	0	%100
77	M59	X	9.706	9.706	%100
78	M59	Z	0	0	%100
79	M60	X	.002	.002	%100
80	M60	Z	0	0	%100
81	M61	X	.002	.002	%100
82	M61	Z	0	0	%100
83	M62	X	7.491	7.491	%100
84	M62	Z	0	0	%100
85	M63	X	7.491	7.491	%100
86	M63	Z	0	0	%100
87	M64	X	6.626	6.626	%100
88	M64	Z	0	0	%100
89	M65	X	9.737	9.737	%100
90	M65	Z	0	0	%100
91	M66	X	7.597	7.597	%100
92	M66	Z	0	0	%100
93	M67	X	7.597	7.597	%100
94	M67	Z	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.-%]	End Location[ft.-%]
95	M68	X	.000196	.000196	0 %100
96	M68	Z	0	0	0 %100
97	M69	X	.000196	.000196	0 %100
98	M69	Z	0	0	0 %100
99	M70	X	9.765	9.765	0 %100
100	M70	Z	0	0	0 %100
101	M71	X	6.661	6.661	0 %100
102	M71	Z	0	0	0 %100
103	M72	X	10.008	10.008	0 %100
104	M72	Z	0	0	0 %100
105	M73	X	10.008	10.008	0 %100
106	M73	Z	0	0	0 %100
107	M74	X	10.008	10.008	0 %100
108	M74	Z	0	0	0 %100
109	MP5C	X	7.653	7.653	0 %100
110	MP5C	Z	0	0	0 %100
111	MP4C	X	7.653	7.653	0 %100
112	MP4C	Z	0	0	0 %100
113	MP2C	X	7.653	7.653	0 %100
114	MP2C	Z	0	0	0 %100
115	MP5B	X	7.653	7.653	0 %100
116	MP5B	Z	0	0	0 %100
117	MP4B	X	7.653	7.653	0 %100
118	MP4B	Z	0	0	0 %100
119	MP2B	X	7.653	7.653	0 %100
120	MP2B	Z	0	0	0 %100
121	M93	X	10.384	10.384	0 %100
122	M93	Z	0	0	0 %100
123	M94	X	10.384	10.384	0 %100
124	M94	Z	0	0	0 %100
125	EMPTYC	X	7.653	7.653	0 %100
126	EMPTYC	Z	0	0	0 %100
127	RADIOC	X	7.653	7.653	0 %100
128	RADIOC	Z	0	0	0 %100
129	MP3C	X	7.653	7.653	0 %100
130	MP3C	Z	0	0	0 %100
131	M116	X	10.384	10.384	0 %100
132	M116	Z	0	0	0 %100
133	M117	X	10.384	10.384	0 %100
134	M117	Z	0	0	0 %100
135	EMPTYB	X	7.653	7.653	0 %100
136	EMPTYB	Z	0	0	0 %100
137	RADIOB	X	7.653	7.653	0 %100
138	RADIOB	Z	0	0	0 %100
139	MP3B	X	7.653	7.653	0 %100
140	MP3B	Z	0	0	0 %100
141	MP1C	X	7.653	7.653	0 %100
142	MP1C	Z	0	0	0 %100
143	MP1B	X	7.653	7.653	0 %100
144	MP1B	Z	0	0	0 %100
145	M121B	X	9.67	9.67	0 %100
146	M121B	Z	0	0	0 %100
147	M122B	X	9.474	9.474	0 %100
148	M122B	Z	0	0	0 %100
149	M123	X	9.67	9.67	0 %100
150	M123	Z	0	0	0 %100
151	M124A	X	9.67	9.67	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
152	M124A	Z	0	0	0	%100
153	M125B	X	9.474	9.474	0	%100
154	M125B	Z	0	0	0	%100
155	M126A	X	9.67	9.67	0	%100
156	M126A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	3.488	3.488	0	%100
2	M1	Z	2.014	2.014	0	%100
3	FACE	X	3.488	3.488	0	%100
4	FACE	Z	2.014	2.014	0	%100
5	M3	X	8.993	8.993	0	%100
6	M3	Z	5.192	5.192	0	%100
7	M4	X	8.993	8.993	0	%100
8	M4	Z	5.192	5.192	0	%100
9	M5	X	6.517	6.517	0	%100
10	M5	Z	3.763	3.763	0	%100
11	M6	X	6.009	6.009	0	%100
12	M6	Z	3.469	3.469	0	%100
13	M7	X	6.517	6.517	0	%100
14	M7	Z	3.763	3.763	0	%100
15	M8	X	3.488	3.488	0	%100
16	M8	Z	2.014	2.014	0	%100
17	M9	X	3.488	3.488	0	%100
18	M9	Z	2.014	2.014	0	%100
19	M10	X	13.954	13.954	0	%100
20	M10	Z	8.056	8.056	0	%100
21	M11	X	13.954	13.954	0	%100
22	M11	Z	8.056	8.056	0	%100
23	M12	X	10.465	10.465	0	%100
24	M12	Z	6.042	6.042	0	%100
25	M13	X	10.465	10.465	0	%100
26	M13	Z	6.042	6.042	0	%100
27	M16	X	10.465	10.465	0	%100
28	M16	Z	6.042	6.042	0	%100
29	M17	X	10.465	10.465	0	%100
30	M17	Z	6.042	6.042	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	.349	.349	0	%100
36	M24	Z	.201	.201	0	%100
37	M25	X	.349	.349	0	%100
38	M25	Z	.201	.201	0	%100
39	M26	X	.349	.349	0	%100
40	M26	Z	.201	.201	0	%100
41	M27	X	.349	.349	0	%100
42	M27	Z	.201	.201	0	%100
43	M28	X	1.395	1.395	0	%100
44	M28	Z	.806	.806	0	%100
45	M29	X	1.395	1.395	0	%100
46	M29	Z	.806	.806	0	%100
47	M30	X	7.678	7.678	0	%100
48	M30	Z	4.433	4.433	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]	
49	M31	X	7.678	7.678	0	%100
50	M31	Z	4.433	4.433	0	%100
51	M32	X	2.806	2.806	0	%100
52	M32	Z	1.62	1.62	0	%100
53	EMPTYA	X	6.628	6.628	0	%100
54	EMPTYA	Z	3.827	3.827	0	%100
55	RADIOA	X	6.628	6.628	0	%100
56	RADIOA	Z	3.827	3.827	0	%100
57	MP3A	X	6.628	6.628	0	%100
58	MP3A	Z	3.827	3.827	0	%100
59	MP1A	X	6.628	6.628	0	%100
60	MP1A	Z	3.827	3.827	0	%100
61	MP5A	X	6.628	6.628	0	%100
62	MP5A	Z	3.827	3.827	0	%100
63	MP4A	X	6.628	6.628	0	%100
64	MP4A	Z	3.827	3.827	0	%100
65	MP2A	X	6.628	6.628	0	%100
66	MP2A	Z	3.827	3.827	0	%100
67	M54	X	8.623	8.623	0	%100
68	M54	Z	4.979	4.979	0	%100
69	M55	X	8.623	8.623	0	%100
70	M55	Z	4.979	4.979	0	%100
71	M56	X	2.118	2.118	0	%100
72	M56	Z	1.223	1.223	0	%100
73	M57	X	2.118	2.118	0	%100
74	M57	Z	1.223	1.223	0	%100
75	M58	X	9.302	9.302	0	%100
76	M58	Z	5.37	5.37	0	%100
77	M59	X	6.638	6.638	0	%100
78	M59	Z	3.833	3.833	0	%100
79	M60	X	2.046	2.046	0	%100
80	M60	Z	1.181	1.181	0	%100
81	M61	X	2.046	2.046	0	%100
82	M61	Z	1.181	1.181	0	%100
83	M62	X	8.605	8.605	0	%100
84	M62	Z	4.968	4.968	0	%100
85	M63	X	8.605	8.605	0	%100
86	M63	Z	4.968	4.968	0	%100
87	M64	X	6.583	6.583	0	%100
88	M64	Z	3.801	3.801	0	%100
89	M65	X	9.303	9.303	0	%100
90	M65	Z	5.371	5.371	0	%100
91	M66	X	2.269	2.269	0	%100
92	M66	Z	1.31	1.31	0	%100
93	M67	X	2.269	2.269	0	%100
94	M67	Z	1.31	1.31	0	%100
95	M68	X	2.185	2.185	0	%100
96	M68	Z	1.261	1.261	0	%100
97	M69	X	2.185	2.185	0	%100
98	M69	Z	1.261	1.261	0	%100
99	M70	X	6.675	6.675	0	%100
100	M70	Z	3.854	3.854	0	%100
101	M71	X	6.665	6.665	0	%100
102	M71	Z	3.848	3.848	0	%100
103	M72	X	8.667	8.667	0	%100
104	M72	Z	5.004	5.004	0	%100
105	M73	X	8.667	8.667	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
106	M73	Z	5.004	5.004	0 %100
107	M74	X	8.667	8.667	0 %100
108	M74	Z	5.004	5.004	0 %100
109	MP5C	X	6.628	6.628	0 %100
110	MP5C	Z	3.827	3.827	0 %100
111	MP4C	X	6.628	6.628	0 %100
112	MP4C	Z	3.827	3.827	0 %100
113	MP2C	X	6.628	6.628	0 %100
114	MP2C	Z	3.827	3.827	0 %100
115	MP5B	X	6.628	6.628	0 %100
116	MP5B	Z	3.827	3.827	0 %100
117	MP4B	X	6.628	6.628	0 %100
118	MP4B	Z	3.827	3.827	0 %100
119	MP2B	X	6.628	6.628	0 %100
120	MP2B	Z	3.827	3.827	0 %100
121	M93	X	8.993	8.993	0 %100
122	M93	Z	5.192	5.192	0 %100
123	M94	X	8.993	8.993	0 %100
124	M94	Z	5.192	5.192	0 %100
125	EMPTYC	X	6.628	6.628	0 %100
126	EMPTYC	Z	3.827	3.827	0 %100
127	RADIOC	X	6.628	6.628	0 %100
128	RADIOC	Z	3.827	3.827	0 %100
129	MP3C	X	6.628	6.628	0 %100
130	MP3C	Z	3.827	3.827	0 %100
131	M116	X	8.993	8.993	0 %100
132	M116	Z	5.192	5.192	0 %100
133	M117	X	8.993	8.993	0 %100
134	M117	Z	5.192	5.192	0 %100
135	EMPTYB	X	6.628	6.628	0 %100
136	EMPTYB	Z	3.827	3.827	0 %100
137	RADIOB	X	6.628	6.628	0 %100
138	RADIOB	Z	3.827	3.827	0 %100
139	MP3B	X	6.628	6.628	0 %100
140	MP3B	Z	3.827	3.827	0 %100
141	MP1C	X	6.628	6.628	0 %100
142	MP1C	Z	3.827	3.827	0 %100
143	MP1B	X	6.628	6.628	0 %100
144	MP1B	Z	3.827	3.827	0 %100
145	M121B	X	6.517	6.517	0 %100
146	M121B	Z	3.763	3.763	0 %100
147	M122B	X	6.009	6.009	0 %100
148	M122B	Z	3.469	3.469	0 %100
149	M123	X	6.517	6.517	0 %100
150	M123	Z	3.763	3.763	0 %100
151	M124A	X	9.303	9.303	0 %100
152	M124A	Z	5.371	5.371	0 %100
153	M125B	X	9.303	9.303	0 %100
154	M125B	Z	5.371	5.371	0 %100
155	M126A	X	9.303	9.303	0 %100
156	M126A	Z	5.371	5.371	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	6.042	6.042	0 %100
2	M1	Z	10.465	10.465	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
3	FACE	X	6.042	6.042	0 %100
4	FACE	Z	10.465	10.465	0 %100
5	M3	X	5.192	5.192	0 %100
6	M3	Z	8.993	8.993	0 %100
7	M4	X	5.192	5.192	0 %100
8	M4	Z	8.993	8.993	0 %100
9	M5	X	4.835	4.835	0 %100
10	M5	Z	8.374	8.374	0 %100
11	M6	X	4.737	4.737	0 %100
12	M6	Z	8.205	8.205	0 %100
13	M7	X	4.835	4.835	0 %100
14	M7	Z	8.374	8.374	0 %100
15	M8	X	0	0	0 %100
16	M8	Z	0	0	0 %100
17	M9	X	0	0	0 %100
18	M9	Z	0	0	0 %100
19	M10	X	6.042	6.042	0 %100
20	M10	Z	10.465	10.465	0 %100
21	M11	X	6.042	6.042	0 %100
22	M11	Z	10.465	10.465	0 %100
23	M12	X	2.014	2.014	0 %100
24	M12	Z	3.488	3.488	0 %100
25	M13	X	2.014	2.014	0 %100
26	M13	Z	3.488	3.488	0 %100
27	M16	X	8.056	8.056	0 %100
28	M16	Z	13.954	13.954	0 %100
29	M17	X	8.056	8.056	0 %100
30	M17	Z	13.954	13.954	0 %100
31	M20	X	2.014	2.014	0 %100
32	M20	Z	3.488	3.488	0 %100
33	M21	X	2.014	2.014	0 %100
34	M21	Z	3.488	3.488	0 %100
35	M24	X	.604	.604	0 %100
36	M24	Z	1.047	1.047	0 %100
37	M25	X	.604	.604	0 %100
38	M25	Z	1.047	1.047	0 %100
39	M26	X	0	0	0 %100
40	M26	Z	0	0	0 %100
41	M27	X	0	0	0 %100
42	M27	Z	0	0	0 %100
43	M28	X	.604	.604	0 %100
44	M28	Z	1.047	1.047	0 %100
45	M29	X	.604	.604	0 %100
46	M29	Z	1.047	1.047	0 %100
47	M30	X	2.558	2.558	0 %100
48	M30	Z	4.43	4.43	0 %100
49	M31	X	5.371	5.371	0 %100
50	M31	Z	9.303	9.303	0 %100
51	M32	X	2.558	2.558	0 %100
52	M32	Z	4.43	4.43	0 %100
53	EMPTYA	X	3.827	3.827	0 %100
54	EMPTYA	Z	6.628	6.628	0 %100
55	RADIOA	X	3.827	3.827	0 %100
56	RADIOA	Z	6.628	6.628	0 %100
57	MP3A	X	3.827	3.827	0 %100
58	MP3A	Z	6.628	6.628	0 %100
59	MP1A	X	3.827	3.827	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]	
60	MP1A	Z	6.628	6.628	0	%100
61	MP5A	X	3.827	3.827	0	%100
62	MP5A	Z	6.628	6.628	0	%100
63	MP4A	X	3.827	3.827	0	%100
64	MP4A	Z	6.628	6.628	0	%100
65	MP2A	X	3.827	3.827	0	%100
66	MP2A	Z	6.628	6.628	0	%100
67	M54	X	3.799	3.799	0	%100
68	M54	Z	6.579	6.579	0	%100
69	M55	X	3.799	3.799	0	%100
70	M55	Z	6.579	6.579	0	%100
71	M56	X	9.8e-5	9.8e-5	0	%100
72	M56	Z	.00017	.00017	0	%100
73	M57	X	9.8e-5	9.8e-5	0	%100
74	M57	Z	.00017	.00017	0	%100
75	M58	X	4.883	4.883	0	%100
76	M58	Z	8.457	8.457	0	%100
77	M59	X	3.33	3.33	0	%100
78	M59	Z	5.768	5.768	0	%100
79	M60	X	3.67	3.67	0	%100
80	M60	Z	6.357	6.357	0	%100
81	M61	X	3.67	3.67	0	%100
82	M61	Z	6.357	6.357	0	%100
83	M62	X	3.707	3.707	0	%100
84	M62	Z	6.421	6.421	0	%100
85	M63	X	3.707	3.707	0	%100
86	M63	Z	6.421	6.421	0	%100
87	M64	X	4.829	4.829	0	%100
88	M64	Z	8.365	8.365	0	%100
89	M65	X	4.853	4.853	0	%100
90	M65	Z	8.405	8.405	0	%100
91	M66	X	.001	.001	0	%100
92	M66	Z	.002	.002	0	%100
93	M67	X	.001	.001	0	%100
94	M67	Z	.002	.002	0	%100
95	M68	X	3.745	3.745	0	%100
96	M68	Z	6.487	6.487	0	%100
97	M69	X	3.745	3.745	0	%100
98	M69	Z	6.487	6.487	0	%100
99	M70	X	3.313	3.313	0	%100
100	M70	Z	5.738	5.738	0	%100
101	M71	X	4.869	4.869	0	%100
102	M71	Z	8.433	8.433	0	%100
103	M72	X	5.004	5.004	0	%100
104	M72	Z	8.667	8.667	0	%100
105	M73	X	5.004	5.004	0	%100
106	M73	Z	8.667	8.667	0	%100
107	M74	X	5.004	5.004	0	%100
108	M74	Z	8.667	8.667	0	%100
109	MP5C	X	3.827	3.827	0	%100
110	MP5C	Z	6.628	6.628	0	%100
111	MP4C	X	3.827	3.827	0	%100
112	MP4C	Z	6.628	6.628	0	%100
113	MP2C	X	3.827	3.827	0	%100
114	MP2C	Z	6.628	6.628	0	%100
115	MP5B	X	3.827	3.827	0	%100
116	MP5B	Z	6.628	6.628	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
117	MP4B	X	3.827	3.827	0	%100
118	MP4B	Z	6.628	6.628	0	%100
119	MP2B	X	3.827	3.827	0	%100
120	MP2B	Z	6.628	6.628	0	%100
121	M93	X	5.192	5.192	0	%100
122	M93	Z	8.993	8.993	0	%100
123	M94	X	5.192	5.192	0	%100
124	M94	Z	8.993	8.993	0	%100
125	EMPTYC	X	3.827	3.827	0	%100
126	EMPTYC	Z	6.628	6.628	0	%100
127	RADIOC	X	3.827	3.827	0	%100
128	RADIOC	Z	6.628	6.628	0	%100
129	MP3C	X	3.827	3.827	0	%100
130	MP3C	Z	6.628	6.628	0	%100
131	M116	X	5.192	5.192	0	%100
132	M116	Z	8.993	8.993	0	%100
133	M117	X	5.192	5.192	0	%100
134	M117	Z	8.993	8.993	0	%100
135	EMPTYB	X	3.827	3.827	0	%100
136	EMPTYB	Z	6.628	6.628	0	%100
137	RADIOB	X	3.827	3.827	0	%100
138	RADIOB	Z	6.628	6.628	0	%100
139	MP3B	X	3.827	3.827	0	%100
140	MP3B	Z	6.628	6.628	0	%100
141	MP1C	X	3.827	3.827	0	%100
142	MP1C	Z	6.628	6.628	0	%100
143	MP1B	X	3.827	3.827	0	%100
144	MP1B	Z	6.628	6.628	0	%100
145	M121B	X	3.227	3.227	0	%100
146	M121B	Z	5.589	5.589	0	%100
147	M122B	X	2.835	2.835	0	%100
148	M122B	Z	4.911	4.911	0	%100
149	M123	X	3.227	3.227	0	%100
150	M123	Z	5.589	5.589	0	%100
151	M124A	X	4.835	4.835	0	%100
152	M124A	Z	8.374	8.374	0	%100
153	M125B	X	4.737	4.737	0	%100
154	M125B	Z	8.205	8.205	0	%100
155	M126A	X	4.835	4.835	0	%100
156	M126A	Z	8.374	8.374	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	16.113	16.113	0	%100
3	FACE	X	0	0	0	%100
4	FACE	Z	16.113	16.113	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	10.384	10.384	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	10.384	10.384	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	10.742	10.742	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	10.742	10.742	0	%100
13	M7	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
14	M7	Z	10.742	10.742	0 %100
15	M8	X	0	0	0 %100
16	M8	Z	4.028	4.028	0 %100
17	M9	X	0	0	0 %100
18	M9	Z	4.028	4.028	0 %100
19	M10	X	0	0	0 %100
20	M10	Z	4.028	4.028	0 %100
21	M11	X	0	0	0 %100
22	M11	Z	4.028	4.028	0 %100
23	M12	X	0	0	0 %100
24	M12	Z	0	0	0 %100
25	M13	X	0	0	0 %100
26	M13	Z	0	0	0 %100
27	M16	X	0	0	0 %100
28	M16	Z	12.084	12.084	0 %100
29	M17	X	0	0	0 %100
30	M17	Z	12.084	12.084	0 %100
31	M20	X	0	0	0 %100
32	M20	Z	12.084	12.084	0 %100
33	M21	X	0	0	0 %100
34	M21	Z	12.084	12.084	0 %100
35	M24	X	0	0	0 %100
36	M24	Z	1.611	1.611	0 %100
37	M25	X	0	0	0 %100
38	M25	Z	1.611	1.611	0 %100
39	M26	X	0	0	0 %100
40	M26	Z	.403	.403	0 %100
41	M27	X	0	0	0 %100
42	M27	Z	.403	.403	0 %100
43	M28	X	0	0	0 %100
44	M28	Z	.403	.403	0 %100
45	M29	X	0	0	0 %100
46	M29	Z	.403	.403	0 %100
47	M30	X	0	0	0 %100
48	M30	Z	3.24	3.24	0 %100
49	M31	X	0	0	0 %100
50	M31	Z	8.866	8.866	0 %100
51	M32	X	0	0	0 %100
52	M32	Z	8.866	8.866	0 %100
53	EMPTYA	X	0	0	0 %100
54	EMPTYA	Z	7.653	7.653	0 %100
55	RADIOA	X	0	0	0 %100
56	RADIOA	Z	7.653	7.653	0 %100
57	MP3A	X	0	0	0 %100
58	MP3A	Z	7.653	7.653	0 %100
59	MP1A	X	0	0	0 %100
60	MP1A	Z	7.653	7.653	0 %100
61	MP5A	X	0	0	0 %100
62	MP5A	Z	7.653	7.653	0 %100
63	MP4A	X	0	0	0 %100
64	MP4A	Z	7.653	7.653	0 %100
65	MP2A	X	0	0	0 %100
66	MP2A	Z	7.653	7.653	0 %100
67	M54	X	0	0	0 %100
68	M54	Z	2.62	2.62	0 %100
69	M55	X	0	0	0 %100
70	M55	Z	2.62	2.62	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
71	M56	X	0	0	%100
72	M56	Z	2.522	2.522	%100
73	M57	X	0	0	%100
74	M57	Z	2.522	2.522	%100
75	M58	X	0	0	%100
76	M58	Z	7.708	7.708	%100
77	M59	X	0	0	%100
78	M59	Z	7.697	7.697	%100
79	M60	X	0	0	%100
80	M60	Z	9.957	9.957	%100
81	M61	X	0	0	%100
82	M61	Z	9.957	9.957	%100
83	M62	X	0	0	%100
84	M62	Z	2.446	2.446	%100
85	M63	X	0	0	%100
86	M63	Z	2.446	2.446	%100
87	M64	X	0	0	%100
88	M64	Z	10.741	10.741	%100
89	M65	X	0	0	%100
90	M65	Z	7.665	7.665	%100
91	M66	X	0	0	%100
92	M66	Z	2.362	2.362	%100
93	M67	X	0	0	%100
94	M67	Z	2.362	2.362	%100
95	M68	X	0	0	%100
96	M68	Z	9.937	9.937	%100
97	M69	X	0	0	%100
98	M69	Z	9.937	9.937	%100
99	M70	X	0	0	%100
100	M70	Z	7.601	7.601	%100
101	M71	X	0	0	%100
102	M71	Z	10.742	10.742	%100
103	M72	X	0	0	%100
104	M72	Z	10.008	10.008	%100
105	M73	X	0	0	%100
106	M73	Z	10.008	10.008	%100
107	M74	X	0	0	%100
108	M74	Z	10.008	10.008	%100
109	MP5C	X	0	0	%100
110	MP5C	Z	7.653	7.653	%100
111	MP4C	X	0	0	%100
112	MP4C	Z	7.653	7.653	%100
113	MP2C	X	0	0	%100
114	MP2C	Z	7.653	7.653	%100
115	MP5B	X	0	0	%100
116	MP5B	Z	7.653	7.653	%100
117	MP4B	X	0	0	%100
118	MP4B	Z	7.653	7.653	%100
119	MP2B	X	0	0	%100
120	MP2B	Z	7.653	7.653	%100
121	M93	X	0	0	%100
122	M93	Z	10.384	10.384	%100
123	M94	X	0	0	%100
124	M94	Z	10.384	10.384	%100
125	EMPTYC	X	0	0	%100
126	EMPTYC	Z	7.653	7.653	%100
127	RADIOC	X	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
128	RADIOC	Z	7.653	7.653	0 %100
129	MP3C	X	0	0	0 %100
130	MP3C	Z	7.653	7.653	0 %100
131	M116	X	0	0	0 %100
132	M116	Z	10.384	10.384	0 %100
133	M117	X	0	0	0 %100
134	M117	Z	10.384	10.384	0 %100
135	EMPTYB	X	0	0	0 %100
136	EMPTYB	Z	7.653	7.653	0 %100
137	RADIOB	X	0	0	0 %100
138	RADIOB	Z	7.653	7.653	0 %100
139	MP3B	X	0	0	0 %100
140	MP3B	Z	7.653	7.653	0 %100
141	MP1C	X	0	0	0 %100
142	MP1C	Z	7.653	7.653	0 %100
143	MP1B	X	0	0	0 %100
144	MP1B	Z	7.653	7.653	0 %100
145	M121B	X	0	0	0 %100
146	M121B	Z	7.525	7.525	0 %100
147	M122B	X	0	0	0 %100
148	M122B	Z	6.938	6.938	0 %100
149	M123	X	0	0	0 %100
150	M123	Z	7.525	7.525	0 %100
151	M124A	X	0	0	0 %100
152	M124A	Z	7.525	7.525	0 %100
153	M125B	X	0	0	0 %100
154	M125B	Z	6.938	6.938	0 %100
155	M126A	X	0	0	0 %100
156	M126A	Z	7.525	7.525	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-6.042	-6.042	0 %100
2	M1	Z	10.465	10.465	0 %100
3	FACE	X	-6.042	-6.042	0 %100
4	FACE	Z	10.465	10.465	0 %100
5	M3	X	-5.192	-5.192	0 %100
6	M3	Z	8.993	8.993	0 %100
7	M4	X	-5.192	-5.192	0 %100
8	M4	Z	8.993	8.993	0 %100
9	M5	X	-4.835	-4.835	0 %100
10	M5	Z	8.374	8.374	0 %100
11	M6	X	-4.737	-4.737	0 %100
12	M6	Z	8.205	8.205	0 %100
13	M7	X	-4.835	-4.835	0 %100
14	M7	Z	8.374	8.374	0 %100
15	M8	X	-6.042	-6.042	0 %100
16	M8	Z	10.465	10.465	0 %100
17	M9	X	-6.042	-6.042	0 %100
18	M9	Z	10.465	10.465	0 %100
19	M10	X	0	0	0 %100
20	M10	Z	0	0	0 %100
21	M11	X	0	0	0 %100
22	M11	Z	0	0	0 %100
23	M12	X	-2.014	-2.014	0 %100
24	M12	Z	3.488	3.488	0 %100



Company : Colliers Engineering & Design
 Designer : ILR
 Job Number : Project No. 10207443
 Model Name : 5000120998-VZW_MT_LO_H

Aug 1, 2023
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 Checked By: DX

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
25	M13	X	-2.014	-2.014	0 %100
26	M13	Z	3.488	3.488	0 %100
27	M16	X	-2.014	-2.014	0 %100
28	M16	Z	3.488	3.488	0 %100
29	M17	X	-2.014	-2.014	0 %100
30	M17	Z	3.488	3.488	0 %100
31	M20	X	-8.056	-8.056	0 %100
32	M20	Z	13.954	13.954	0 %100
33	M21	X	-8.056	-8.056	0 %100
34	M21	Z	13.954	13.954	0 %100
35	M24	X	-.604	-.604	0 %100
36	M24	Z	1.047	1.047	0 %100
37	M25	X	-.604	-.604	0 %100
38	M25	Z	1.047	1.047	0 %100
39	M26	X	-.604	-.604	0 %100
40	M26	Z	1.047	1.047	0 %100
41	M27	X	-.604	-.604	0 %100
42	M27	Z	1.047	1.047	0 %100
43	M28	X	0	0	0 %100
44	M28	Z	0	0	0 %100
45	M29	X	0	0	0 %100
46	M29	Z	0	0	0 %100
47	M30	X	-2.558	-2.558	0 %100
48	M30	Z	4.43	4.43	0 %100
49	M31	X	-2.558	-2.558	0 %100
50	M31	Z	4.43	4.43	0 %100
51	M32	X	-5.371	-5.371	0 %100
52	M32	Z	9.303	9.303	0 %100
53	EMPTYA	X	-3.827	-3.827	0 %100
54	EMPTYA	Z	6.628	6.628	0 %100
55	RADIOA	X	-3.827	-3.827	0 %100
56	RADIOA	Z	6.628	6.628	0 %100
57	MP3A	X	-3.827	-3.827	0 %100
58	MP3A	Z	6.628	6.628	0 %100
59	MP1A	X	-3.827	-3.827	0 %100
60	MP1A	Z	6.628	6.628	0 %100
61	MP5A	X	-3.827	-3.827	0 %100
62	MP5A	Z	6.628	6.628	0 %100
63	MP4A	X	-3.827	-3.827	0 %100
64	MP4A	Z	6.628	6.628	0 %100
65	MP2A	X	-3.827	-3.827	0 %100
66	MP2A	Z	6.628	6.628	0 %100
67	M54	X	-.001	-.001	0 %100
68	M54	Z	.002	.002	0 %100
69	M55	X	-.001	-.001	0 %100
70	M55	Z	.002	.002	0 %100
71	M56	X	-3.745	-3.745	0 %100
72	M56	Z	6.487	6.487	0 %100
73	M57	X	-3.745	-3.745	0 %100
74	M57	Z	6.487	6.487	0 %100
75	M58	X	-3.313	-3.313	0 %100
76	M58	Z	5.738	5.738	0 %100
77	M59	X	-4.869	-4.869	0 %100
78	M59	Z	8.433	8.433	0 %100
79	M60	X	-3.799	-3.799	0 %100
80	M60	Z	6.579	6.579	0 %100
81	M61	X	-3.799	-3.799	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
82	M61	Z	6.579	6.579	0	%100
83	M62	X	-9.8e-5	-9.8e-5	0	%100
84	M62	Z	.00017	.00017	0	%100
85	M63	X	-9.8e-5	-9.8e-5	0	%100
86	M63	Z	.00017	.00017	0	%100
87	M64	X	-4.883	-4.883	0	%100
88	M64	Z	8.457	8.457	0	%100
89	M65	X	-3.33	-3.33	0	%100
90	M65	Z	5.768	5.768	0	%100
91	M66	X	-3.67	-3.67	0	%100
92	M66	Z	6.357	6.357	0	%100
93	M67	X	-3.67	-3.67	0	%100
94	M67	Z	6.357	6.357	0	%100
95	M68	X	-3.707	-3.707	0	%100
96	M68	Z	6.421	6.421	0	%100
97	M69	X	-3.707	-3.707	0	%100
98	M69	Z	6.421	6.421	0	%100
99	M70	X	-4.829	-4.829	0	%100
100	M70	Z	8.365	8.365	0	%100
101	M71	X	-4.853	-4.853	0	%100
102	M71	Z	8.405	8.405	0	%100
103	M72	X	-5.004	-5.004	0	%100
104	M72	Z	8.667	8.667	0	%100
105	M73	X	-5.004	-5.004	0	%100
106	M73	Z	8.667	8.667	0	%100
107	M74	X	-5.004	-5.004	0	%100
108	M74	Z	8.667	8.667	0	%100
109	MP5C	X	-3.827	-3.827	0	%100
110	MP5C	Z	6.628	6.628	0	%100
111	MP4C	X	-3.827	-3.827	0	%100
112	MP4C	Z	6.628	6.628	0	%100
113	MP2C	X	-3.827	-3.827	0	%100
114	MP2C	Z	6.628	6.628	0	%100
115	MP5B	X	-3.827	-3.827	0	%100
116	MP5B	Z	6.628	6.628	0	%100
117	MP4B	X	-3.827	-3.827	0	%100
118	MP4B	Z	6.628	6.628	0	%100
119	MP2B	X	-3.827	-3.827	0	%100
120	MP2B	Z	6.628	6.628	0	%100
121	M93	X	-5.192	-5.192	0	%100
122	M93	Z	8.993	8.993	0	%100
123	M94	X	-5.192	-5.192	0	%100
124	M94	Z	8.993	8.993	0	%100
125	EMPTYC	X	-3.827	-3.827	0	%100
126	EMPTYC	Z	6.628	6.628	0	%100
127	RADIOC	X	-3.827	-3.827	0	%100
128	RADIOC	Z	6.628	6.628	0	%100
129	MP3C	X	-3.827	-3.827	0	%100
130	MP3C	Z	6.628	6.628	0	%100
131	M116	X	-5.192	-5.192	0	%100
132	M116	Z	8.993	8.993	0	%100
133	M117	X	-5.192	-5.192	0	%100
134	M117	Z	8.993	8.993	0	%100
135	EMPTYB	X	-3.827	-3.827	0	%100
136	EMPTYB	Z	6.628	6.628	0	%100
137	RADIOB	X	-3.827	-3.827	0	%100
138	RADIOB	Z	6.628	6.628	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
139	MP3B	X	-3.827	-3.827	0	%100
140	MP3B	Z	6.628	6.628	0	%100
141	MP1C	X	-3.827	-3.827	0	%100
142	MP1C	Z	6.628	6.628	0	%100
143	MP1B	X	-3.827	-3.827	0	%100
144	MP1B	Z	6.628	6.628	0	%100
145	M121B	X	-4.835	-4.835	0	%100
146	M121B	Z	8.374	8.374	0	%100
147	M122B	X	-4.737	-4.737	0	%100
148	M122B	Z	8.205	8.205	0	%100
149	M123	X	-4.835	-4.835	0	%100
150	M123	Z	8.374	8.374	0	%100
151	M124A	X	-3.227	-3.227	0	%100
152	M124A	Z	5.589	5.589	0	%100
153	M125B	X	-2.835	-2.835	0	%100
154	M125B	Z	4.911	4.911	0	%100
155	M126A	X	-3.227	-3.227	0	%100
156	M126A	Z	5.589	5.589	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	-3.488	-3.488	0	%100
2	M1	Z	2.014	2.014	0	%100
3	FACE	X	-3.488	-3.488	0	%100
4	FACE	Z	2.014	2.014	0	%100
5	M3	X	-8.993	-8.993	0	%100
6	M3	Z	5.192	5.192	0	%100
7	M4	X	-8.993	-8.993	0	%100
8	M4	Z	5.192	5.192	0	%100
9	M5	X	-6.517	-6.517	0	%100
10	M5	Z	3.763	3.763	0	%100
11	M6	X	-6.009	-6.009	0	%100
12	M6	Z	3.469	3.469	0	%100
13	M7	X	-6.517	-6.517	0	%100
14	M7	Z	3.763	3.763	0	%100
15	M8	X	-13.954	-13.954	0	%100
16	M8	Z	8.056	8.056	0	%100
17	M9	X	-13.954	-13.954	0	%100
18	M9	Z	8.056	8.056	0	%100
19	M10	X	-3.488	-3.488	0	%100
20	M10	Z	2.014	2.014	0	%100
21	M11	X	-3.488	-3.488	0	%100
22	M11	Z	2.014	2.014	0	%100
23	M12	X	-10.465	-10.465	0	%100
24	M12	Z	6.042	6.042	0	%100
25	M13	X	-10.465	-10.465	0	%100
26	M13	Z	6.042	6.042	0	%100
27	M16	X	0	0	0	%100
28	M16	Z	0	0	0	%100
29	M17	X	0	0	0	%100
30	M17	Z	0	0	0	%100
31	M20	X	-10.465	-10.465	0	%100
32	M20	Z	6.042	6.042	0	%100
33	M21	X	-10.465	-10.465	0	%100
34	M21	Z	6.042	6.042	0	%100
35	M24	X	-3.349	-3.349	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft,%]	End Location[ft,%]
36	M24	Z	.201	.201	0 %100
37	M25	X	-.349	-.349	0 %100
38	M25	Z	.201	.201	0 %100
39	M26	X	-1.395	-1.395	0 %100
40	M26	Z	.806	.806	0 %100
41	M27	X	-1.395	-1.395	0 %100
42	M27	Z	.806	.806	0 %100
43	M28	X	-.349	-.349	0 %100
44	M28	Z	.201	.201	0 %100
45	M29	X	-.349	-.349	0 %100
46	M29	Z	.201	.201	0 %100
47	M30	X	-7.678	-7.678	0 %100
48	M30	Z	4.433	4.433	0 %100
49	M31	X	-2.806	-2.806	0 %100
50	M31	Z	1.62	1.62	0 %100
51	M32	X	-7.678	-7.678	0 %100
52	M32	Z	4.433	4.433	0 %100
53	EMPTYA	X	-6.628	-6.628	0 %100
54	EMPTYA	Z	3.827	3.827	0 %100
55	RADIOA	X	-6.628	-6.628	0 %100
56	RADIOA	Z	3.827	3.827	0 %100
57	MP3A	X	-6.628	-6.628	0 %100
58	MP3A	Z	3.827	3.827	0 %100
59	MP1A	X	-6.628	-6.628	0 %100
60	MP1A	Z	3.827	3.827	0 %100
61	MP5A	X	-6.628	-6.628	0 %100
62	MP5A	Z	3.827	3.827	0 %100
63	MP4A	X	-6.628	-6.628	0 %100
64	MP4A	Z	3.827	3.827	0 %100
65	MP2A	X	-6.628	-6.628	0 %100
66	MP2A	Z	3.827	3.827	0 %100
67	M54	X	-2.046	-2.046	0 %100
68	M54	Z	1.181	1.181	0 %100
69	M55	X	-2.046	-2.046	0 %100
70	M55	Z	1.181	1.181	0 %100
71	M56	X	-8.605	-8.605	0 %100
72	M56	Z	4.968	4.968	0 %100
73	M57	X	-8.605	-8.605	0 %100
74	M57	Z	4.968	4.968	0 %100
75	M58	X	-6.583	-6.583	0 %100
76	M58	Z	3.801	3.801	0 %100
77	M59	X	-9.303	-9.303	0 %100
78	M59	Z	5.371	5.371	0 %100
79	M60	X	-2.269	-2.269	0 %100
80	M60	Z	1.31	1.31	0 %100
81	M61	X	-2.269	-2.269	0 %100
82	M61	Z	1.31	1.31	0 %100
83	M62	X	-2.185	-2.185	0 %100
84	M62	Z	1.261	1.261	0 %100
85	M63	X	-2.185	-2.185	0 %100
86	M63	Z	1.261	1.261	0 %100
87	M64	X	-6.675	-6.675	0 %100
88	M64	Z	3.854	3.854	0 %100
89	M65	X	-6.665	-6.665	0 %100
90	M65	Z	3.848	3.848	0 %100
91	M66	X	-8.623	-8.623	0 %100
92	M66	Z	4.979	4.979	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
93	M67	X	-8.623	-8.623	0 %100
94	M67	Z	4.979	4.979	0 %100
95	M68	X	-2.118	-2.118	0 %100
96	M68	Z	1.223	1.223	0 %100
97	M69	X	-2.118	-2.118	0 %100
98	M69	Z	1.223	1.223	0 %100
99	M70	X	-9.302	-9.302	0 %100
100	M70	Z	5.37	5.37	0 %100
101	M71	X	-6.638	-6.638	0 %100
102	M71	Z	3.833	3.833	0 %100
103	M72	X	-8.667	-8.667	0 %100
104	M72	Z	5.004	5.004	0 %100
105	M73	X	-8.667	-8.667	0 %100
106	M73	Z	5.004	5.004	0 %100
107	M74	X	-8.667	-8.667	0 %100
108	M74	Z	5.004	5.004	0 %100
109	MP5C	X	-6.628	-6.628	0 %100
110	MP5C	Z	3.827	3.827	0 %100
111	MP4C	X	-6.628	-6.628	0 %100
112	MP4C	Z	3.827	3.827	0 %100
113	MP2C	X	-6.628	-6.628	0 %100
114	MP2C	Z	3.827	3.827	0 %100
115	MP5B	X	-6.628	-6.628	0 %100
116	MP5B	Z	3.827	3.827	0 %100
117	MP4B	X	-6.628	-6.628	0 %100
118	MP4B	Z	3.827	3.827	0 %100
119	MP2B	X	-6.628	-6.628	0 %100
120	MP2B	Z	3.827	3.827	0 %100
121	M93	X	-8.993	-8.993	0 %100
122	M93	Z	5.192	5.192	0 %100
123	M94	X	-8.993	-8.993	0 %100
124	M94	Z	5.192	5.192	0 %100
125	EMPTYC	X	-6.628	-6.628	0 %100
126	EMPTYC	Z	3.827	3.827	0 %100
127	RADIOC	X	-6.628	-6.628	0 %100
128	RADIOC	Z	3.827	3.827	0 %100
129	MP3C	X	-6.628	-6.628	0 %100
130	MP3C	Z	3.827	3.827	0 %100
131	M116	X	-8.993	-8.993	0 %100
132	M116	Z	5.192	5.192	0 %100
133	M117	X	-8.993	-8.993	0 %100
134	M117	Z	5.192	5.192	0 %100
135	EMPTYB	X	-6.628	-6.628	0 %100
136	EMPTYB	Z	3.827	3.827	0 %100
137	RADIOB	X	-6.628	-6.628	0 %100
138	RADIOB	Z	3.827	3.827	0 %100
139	MP3B	X	-6.628	-6.628	0 %100
140	MP3B	Z	3.827	3.827	0 %100
141	MP1C	X	-6.628	-6.628	0 %100
142	MP1C	Z	3.827	3.827	0 %100
143	MP1B	X	-6.628	-6.628	0 %100
144	MP1B	Z	3.827	3.827	0 %100
145	M121B	X	-9.303	-9.303	0 %100
146	M121B	Z	5.371	5.371	0 %100
147	M122B	X	-9.303	-9.303	0 %100
148	M122B	Z	5.371	5.371	0 %100
149	M123	X	-9.303	-9.303	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
150	M123	Z	5.371	5.371	0 %100
151	M124A	X	-6.517	-6.517	0 %100
152	M124A	Z	3.763	3.763	0 %100
153	M125B	X	-6.009	-6.009	0 %100
154	M125B	Z	3.469	3.469	0 %100
155	M126A	X	-6.517	-6.517	0 %100
156	M126A	Z	3.763	3.763	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0 %100
2	M1	Z	0	0	0 %100
3	FACE	X	0	0	0 %100
4	FACE	Z	0	0	0 %100
5	M3	X	-10.384	-10.384	0 %100
6	M3	Z	0	0	0 %100
7	M4	X	-10.384	-10.384	0 %100
8	M4	Z	0	0	0 %100
9	M5	X	-6.453	-6.453	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	-6.453	-6.453	0 %100
14	M7	Z	0	0	0 %100
15	M8	X	-12.084	-12.084	0 %100
16	M8	Z	0	0	0 %100
17	M9	X	-12.084	-12.084	0 %100
18	M9	Z	0	0	0 %100
19	M10	X	-12.084	-12.084	0 %100
20	M10	Z	0	0	0 %100
21	M11	X	-12.084	-12.084	0 %100
22	M11	Z	0	0	0 %100
23	M12	X	-16.113	-16.113	0 %100
24	M12	Z	0	0	0 %100
25	M13	X	-16.113	-16.113	0 %100
26	M13	Z	0	0	0 %100
27	M16	X	-4.028	-4.028	0 %100
28	M16	Z	0	0	0 %100
29	M17	X	-4.028	-4.028	0 %100
30	M17	Z	0	0	0 %100
31	M20	X	-4.028	-4.028	0 %100
32	M20	Z	0	0	0 %100
33	M21	X	-4.028	-4.028	0 %100
34	M21	Z	0	0	0 %100
35	M24	X	0	0	0 %100
36	M24	Z	0	0	0 %100
37	M25	X	0	0	0 %100
38	M25	Z	0	0	0 %100
39	M26	X	-1.208	-1.208	0 %100
40	M26	Z	0	0	0 %100
41	M27	X	-1.208	-1.208	0 %100
42	M27	Z	0	0	0 %100
43	M28	X	-1.208	-1.208	0 %100
44	M28	Z	0	0	0 %100
45	M29	X	-1.208	-1.208	0 %100
46	M29	Z	0	0	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	M30	X	-10.742	-10.742	0 %100
48	M30	Z	0	0	0 %100
49	M31	X	-5.115	-5.115	0 %100
50	M31	Z	0	0	0 %100
51	M32	X	-5.115	-5.115	0 %100
52	M32	Z	0	0	0 %100
53	EMPTYA	X	-7.653	-7.653	0 %100
54	EMPTYA	Z	0	0	0 %100
55	RADIOA	X	-7.653	-7.653	0 %100
56	RADIOA	Z	0	0	0 %100
57	MP3A	X	-7.653	-7.653	0 %100
58	MP3A	Z	0	0	0 %100
59	MP1A	X	-7.653	-7.653	0 %100
60	MP1A	Z	0	0	0 %100
61	MP5A	X	-7.653	-7.653	0 %100
62	MP5A	Z	0	0	0 %100
63	MP4A	X	-7.653	-7.653	0 %100
64	MP4A	Z	0	0	0 %100
65	MP2A	X	-7.653	-7.653	0 %100
66	MP2A	Z	0	0	0 %100
67	M54	X	-7.34	-7.34	0 %100
68	M54	Z	0	0	0 %100
69	M55	X	-7.34	-7.34	0 %100
70	M55	Z	0	0	0 %100
71	M56	X	-7.414	-7.414	0 %100
72	M56	Z	0	0	0 %100
73	M57	X	-7.414	-7.414	0 %100
74	M57	Z	0	0	0 %100
75	M58	X	-9.659	-9.659	0 %100
76	M58	Z	0	0	0 %100
77	M59	X	-9.706	-9.706	0 %100
78	M59	Z	0	0	0 %100
79	M60	X	-.002	-.002	0 %100
80	M60	Z	0	0	0 %100
81	M61	X	-.002	-.002	0 %100
82	M61	Z	0	0	0 %100
83	M62	X	-7.491	-7.491	0 %100
84	M62	Z	0	0	0 %100
85	M63	X	-7.491	-7.491	0 %100
86	M63	Z	0	0	0 %100
87	M64	X	-6.626	-6.626	0 %100
88	M64	Z	0	0	0 %100
89	M65	X	-9.737	-9.737	0 %100
90	M65	Z	0	0	0 %100
91	M66	X	-7.597	-7.597	0 %100
92	M66	Z	0	0	0 %100
93	M67	X	-7.597	-7.597	0 %100
94	M67	Z	0	0	0 %100
95	M68	X	-.000196	-.000196	0 %100
96	M68	Z	0	0	0 %100
97	M69	X	-.000196	-.000196	0 %100
98	M69	Z	0	0	0 %100
99	M70	X	-9.765	-9.765	0 %100
100	M70	Z	0	0	0 %100
101	M71	X	-6.661	-6.661	0 %100
102	M71	Z	0	0	0 %100
103	M72	X	-10.008	-10.008	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
104	M72	Z	0	0	0	%100
105	M73	X	-10.008	-10.008	0	%100
106	M73	Z	0	0	0	%100
107	M74	X	-10.008	-10.008	0	%100
108	M74	Z	0	0	0	%100
109	MP5C	X	-7.653	-7.653	0	%100
110	MP5C	Z	0	0	0	%100
111	MP4C	X	-7.653	-7.653	0	%100
112	MP4C	Z	0	0	0	%100
113	MP2C	X	-7.653	-7.653	0	%100
114	MP2C	Z	0	0	0	%100
115	MP5B	X	-7.653	-7.653	0	%100
116	MP5B	Z	0	0	0	%100
117	MP4B	X	-7.653	-7.653	0	%100
118	MP4B	Z	0	0	0	%100
119	MP2B	X	-7.653	-7.653	0	%100
120	MP2B	Z	0	0	0	%100
121	M93	X	-10.384	-10.384	0	%100
122	M93	Z	0	0	0	%100
123	M94	X	-10.384	-10.384	0	%100
124	M94	Z	0	0	0	%100
125	EMPTYC	X	-7.653	-7.653	0	%100
126	EMPTYC	Z	0	0	0	%100
127	RADIOC	X	-7.653	-7.653	0	%100
128	RADIOC	Z	0	0	0	%100
129	MP3C	X	-7.653	-7.653	0	%100
130	MP3C	Z	0	0	0	%100
131	M116	X	-10.384	-10.384	0	%100
132	M116	Z	0	0	0	%100
133	M117	X	-10.384	-10.384	0	%100
134	M117	Z	0	0	0	%100
135	EMPTYB	X	-7.653	-7.653	0	%100
136	EMPTYB	Z	0	0	0	%100
137	RADIOB	X	-7.653	-7.653	0	%100
138	RADIOB	Z	0	0	0	%100
139	MP3B	X	-7.653	-7.653	0	%100
140	MP3B	Z	0	0	0	%100
141	MP1C	X	-7.653	-7.653	0	%100
142	MP1C	Z	0	0	0	%100
143	MP1B	X	-7.653	-7.653	0	%100
144	MP1B	Z	0	0	0	%100
145	M121B	X	-9.67	-9.67	0	%100
146	M121B	Z	0	0	0	%100
147	M122B	X	-9.474	-9.474	0	%100
148	M122B	Z	0	0	0	%100
149	M123	X	-9.67	-9.67	0	%100
150	M123	Z	0	0	0	%100
151	M124A	X	-9.67	-9.67	0	%100
152	M124A	Z	0	0	0	%100
153	M125B	X	-9.474	-9.474	0	%100
154	M125B	Z	0	0	0	%100
155	M126A	X	-9.67	-9.67	0	%100
156	M126A	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
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Member Distributed Loads (BLC 51 : Structure Wo (300 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-3.488	-3.488	0 %100
2	M1	Z	-2.014	-2.014	0 %100
3	FACE	X	-3.488	-3.488	0 %100
4	FACE	Z	-2.014	-2.014	0 %100
5	M3	X	-8.993	-8.993	0 %100
6	M3	Z	-5.192	-5.192	0 %100
7	M4	X	-8.993	-8.993	0 %100
8	M4	Z	-5.192	-5.192	0 %100
9	M5	X	-6.517	-6.517	0 %100
10	M5	Z	-3.763	-3.763	0 %100
11	M6	X	-6.009	-6.009	0 %100
12	M6	Z	-3.469	-3.469	0 %100
13	M7	X	-6.517	-6.517	0 %100
14	M7	Z	-3.763	-3.763	0 %100
15	M8	X	-3.488	-3.488	0 %100
16	M8	Z	-2.014	-2.014	0 %100
17	M9	X	-3.488	-3.488	0 %100
18	M9	Z	-2.014	-2.014	0 %100
19	M10	X	-13.954	-13.954	0 %100
20	M10	Z	-8.056	-8.056	0 %100
21	M11	X	-13.954	-13.954	0 %100
22	M11	Z	-8.056	-8.056	0 %100
23	M12	X	-10.465	-10.465	0 %100
24	M12	Z	-6.042	-6.042	0 %100
25	M13	X	-10.465	-10.465	0 %100
26	M13	Z	-6.042	-6.042	0 %100
27	M16	X	-10.465	-10.465	0 %100
28	M16	Z	-6.042	-6.042	0 %100
29	M17	X	-10.465	-10.465	0 %100
30	M17	Z	-6.042	-6.042	0 %100
31	M20	X	0	0	0 %100
32	M20	Z	0	0	0 %100
33	M21	X	0	0	0 %100
34	M21	Z	0	0	0 %100
35	M24	X	-.349	-.349	0 %100
36	M24	Z	-.201	-.201	0 %100
37	M25	X	-.349	-.349	0 %100
38	M25	Z	-.201	-.201	0 %100
39	M26	X	-.349	-.349	0 %100
40	M26	Z	-.201	-.201	0 %100
41	M27	X	-.349	-.349	0 %100
42	M27	Z	-.201	-.201	0 %100
43	M28	X	-1.395	-1.395	0 %100
44	M28	Z	-.806	-.806	0 %100
45	M29	X	-1.395	-1.395	0 %100
46	M29	Z	-.806	-.806	0 %100
47	M30	X	-7.678	-7.678	0 %100
48	M30	Z	-4.433	-4.433	0 %100
49	M31	X	-7.678	-7.678	0 %100
50	M31	Z	-4.433	-4.433	0 %100
51	M32	X	-2.806	-2.806	0 %100
52	M32	Z	-1.62	-1.62	0 %100
53	EMPTYA	X	-6.628	-6.628	0 %100
54	EMPTYA	Z	-3.827	-3.827	0 %100
55	RADIOA	X	-6.628	-6.628	0 %100
56	RADIOA	Z	-3.827	-3.827	0 %100
57	MP3A	X	-6.628	-6.628	0 %100



Company : Colliers Engineering & Design
 Designer : ILR
 Job Number : Project No. 10207443
 Model Name : 5000120998-VZW_MT_LO_H

Aug 1, 2023
 2:48 PM
 Checked By: DX

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
58	MP3A	Z	-3.827	-3.827	0	%100
59	MP1A	X	-6.628	-6.628	0	%100
60	MP1A	Z	-3.827	-3.827	0	%100
61	MP5A	X	-6.628	-6.628	0	%100
62	MP5A	Z	-3.827	-3.827	0	%100
63	MP4A	X	-6.628	-6.628	0	%100
64	MP4A	Z	-3.827	-3.827	0	%100
65	MP2A	X	-6.628	-6.628	0	%100
66	MP2A	Z	-3.827	-3.827	0	%100
67	M54	X	-8.623	-8.623	0	%100
68	M54	Z	-4.979	-4.979	0	%100
69	M55	X	-8.623	-8.623	0	%100
70	M55	Z	-4.979	-4.979	0	%100
71	M56	X	-2.118	-2.118	0	%100
72	M56	Z	-1.223	-1.223	0	%100
73	M57	X	-2.118	-2.118	0	%100
74	M57	Z	-1.223	-1.223	0	%100
75	M58	X	-9.302	-9.302	0	%100
76	M58	Z	-5.37	-5.37	0	%100
77	M59	X	-6.638	-6.638	0	%100
78	M59	Z	-3.833	-3.833	0	%100
79	M60	X	-2.046	-2.046	0	%100
80	M60	Z	-1.181	-1.181	0	%100
81	M61	X	-2.046	-2.046	0	%100
82	M61	Z	-1.181	-1.181	0	%100
83	M62	X	-8.605	-8.605	0	%100
84	M62	Z	-4.968	-4.968	0	%100
85	M63	X	-8.605	-8.605	0	%100
86	M63	Z	-4.968	-4.968	0	%100
87	M64	X	-6.583	-6.583	0	%100
88	M64	Z	-3.801	-3.801	0	%100
89	M65	X	-9.303	-9.303	0	%100
90	M65	Z	-5.371	-5.371	0	%100
91	M66	X	-2.269	-2.269	0	%100
92	M66	Z	-1.31	-1.31	0	%100
93	M67	X	-2.269	-2.269	0	%100
94	M67	Z	-1.31	-1.31	0	%100
95	M68	X	-2.185	-2.185	0	%100
96	M68	Z	-1.261	-1.261	0	%100
97	M69	X	-2.185	-2.185	0	%100
98	M69	Z	-1.261	-1.261	0	%100
99	M70	X	-6.675	-6.675	0	%100
100	M70	Z	-3.854	-3.854	0	%100
101	M71	X	-6.665	-6.665	0	%100
102	M71	Z	-3.848	-3.848	0	%100
103	M72	X	-8.667	-8.667	0	%100
104	M72	Z	-5.004	-5.004	0	%100
105	M73	X	-8.667	-8.667	0	%100
106	M73	Z	-5.004	-5.004	0	%100
107	M74	X	-8.667	-8.667	0	%100
108	M74	Z	-5.004	-5.004	0	%100
109	MP5C	X	-6.628	-6.628	0	%100
110	MP5C	Z	-3.827	-3.827	0	%100
111	MP4C	X	-6.628	-6.628	0	%100
112	MP4C	Z	-3.827	-3.827	0	%100
113	MP2C	X	-6.628	-6.628	0	%100
114	MP2C	Z	-3.827	-3.827	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	MP5B	X	-6.628	-6.628	0	%100
116	MP5B	Z	-3.827	-3.827	0	%100
117	MP4B	X	-6.628	-6.628	0	%100
118	MP4B	Z	-3.827	-3.827	0	%100
119	MP2B	X	-6.628	-6.628	0	%100
120	MP2B	Z	-3.827	-3.827	0	%100
121	M93	X	-8.993	-8.993	0	%100
122	M93	Z	-5.192	-5.192	0	%100
123	M94	X	-8.993	-8.993	0	%100
124	M94	Z	-5.192	-5.192	0	%100
125	EMPTYC	X	-6.628	-6.628	0	%100
126	EMPTYC	Z	-3.827	-3.827	0	%100
127	RADIOC	X	-6.628	-6.628	0	%100
128	RADIOC	Z	-3.827	-3.827	0	%100
129	MP3C	X	-6.628	-6.628	0	%100
130	MP3C	Z	-3.827	-3.827	0	%100
131	M116	X	-8.993	-8.993	0	%100
132	M116	Z	-5.192	-5.192	0	%100
133	M117	X	-8.993	-8.993	0	%100
134	M117	Z	-5.192	-5.192	0	%100
135	EMPTYB	X	-6.628	-6.628	0	%100
136	EMPTYB	Z	-3.827	-3.827	0	%100
137	RADIOB	X	-6.628	-6.628	0	%100
138	RADIOB	Z	-3.827	-3.827	0	%100
139	MP3B	X	-6.628	-6.628	0	%100
140	MP3B	Z	-3.827	-3.827	0	%100
141	MP1C	X	-6.628	-6.628	0	%100
142	MP1C	Z	-3.827	-3.827	0	%100
143	MP1B	X	-6.628	-6.628	0	%100
144	MP1B	Z	-3.827	-3.827	0	%100
145	M121B	X	-6.517	-6.517	0	%100
146	M121B	Z	-3.763	-3.763	0	%100
147	M122B	X	-6.009	-6.009	0	%100
148	M122B	Z	-3.469	-3.469	0	%100
149	M123	X	-6.517	-6.517	0	%100
150	M123	Z	-3.763	-3.763	0	%100
151	M124A	X	-9.303	-9.303	0	%100
152	M124A	Z	-5.371	-5.371	0	%100
153	M125B	X	-9.303	-9.303	0	%100
154	M125B	Z	-5.371	-5.371	0	%100
155	M126A	X	-9.303	-9.303	0	%100
156	M126A	Z	-5.371	-5.371	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-6.042	-6.042	0	%100
2	M1	Z	-10.465	-10.465	0	%100
3	FACE	X	-6.042	-6.042	0	%100
4	FACE	Z	-10.465	-10.465	0	%100
5	M3	X	-5.192	-5.192	0	%100
6	M3	Z	-8.993	-8.993	0	%100
7	M4	X	-5.192	-5.192	0	%100
8	M4	Z	-8.993	-8.993	0	%100
9	M5	X	-4.835	-4.835	0	%100
10	M5	Z	-8.374	-8.374	0	%100
11	M6	X	-4.737	-4.737	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
12	M6	Z	-8.205	-8.205	0 %100
13	M7	X	-4.835	-4.835	0 %100
14	M7	Z	-8.374	-8.374	0 %100
15	M8	X	0	0	0 %100
16	M8	Z	0	0	0 %100
17	M9	X	0	0	0 %100
18	M9	Z	0	0	0 %100
19	M10	X	-6.042	-6.042	0 %100
20	M10	Z	-10.465	-10.465	0 %100
21	M11	X	-6.042	-6.042	0 %100
22	M11	Z	-10.465	-10.465	0 %100
23	M12	X	-2.014	-2.014	0 %100
24	M12	Z	-3.488	-3.488	0 %100
25	M13	X	-2.014	-2.014	0 %100
26	M13	Z	-3.488	-3.488	0 %100
27	M16	X	-8.056	-8.056	0 %100
28	M16	Z	-13.954	-13.954	0 %100
29	M17	X	-8.056	-8.056	0 %100
30	M17	Z	-13.954	-13.954	0 %100
31	M20	X	-2.014	-2.014	0 %100
32	M20	Z	-3.488	-3.488	0 %100
33	M21	X	-2.014	-2.014	0 %100
34	M21	Z	-3.488	-3.488	0 %100
35	M24	X	-.604	-.604	0 %100
36	M24	Z	-1.047	-1.047	0 %100
37	M25	X	-.604	-.604	0 %100
38	M25	Z	-1.047	-1.047	0 %100
39	M26	X	0	0	0 %100
40	M26	Z	0	0	0 %100
41	M27	X	0	0	0 %100
42	M27	Z	0	0	0 %100
43	M28	X	-.604	-.604	0 %100
44	M28	Z	-1.047	-1.047	0 %100
45	M29	X	-.604	-.604	0 %100
46	M29	Z	-1.047	-1.047	0 %100
47	M30	X	-2.558	-2.558	0 %100
48	M30	Z	-4.43	-4.43	0 %100
49	M31	X	-5.371	-5.371	0 %100
50	M31	Z	-9.303	-9.303	0 %100
51	M32	X	-2.558	-2.558	0 %100
52	M32	Z	-4.43	-4.43	0 %100
53	EMPTYA	X	-3.827	-3.827	0 %100
54	EMPTYA	Z	-6.628	-6.628	0 %100
55	RADIOA	X	-3.827	-3.827	0 %100
56	RADIOA	Z	-6.628	-6.628	0 %100
57	MP3A	X	-3.827	-3.827	0 %100
58	MP3A	Z	-6.628	-6.628	0 %100
59	MP1A	X	-3.827	-3.827	0 %100
60	MP1A	Z	-6.628	-6.628	0 %100
61	MP5A	X	-3.827	-3.827	0 %100
62	MP5A	Z	-6.628	-6.628	0 %100
63	MP4A	X	-3.827	-3.827	0 %100
64	MP4A	Z	-6.628	-6.628	0 %100
65	MP2A	X	-3.827	-3.827	0 %100
66	MP2A	Z	-6.628	-6.628	0 %100
67	M54	X	-3.799	-3.799	0 %100
68	M54	Z	-6.579	-6.579	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
69	M55	X	-3.799	-3.799	0 %100
70	M55	Z	-6.579	-6.579	0 %100
71	M56	X	-9.8e-5	-9.8e-5	0 %100
72	M56	Z	-.00017	-.00017	0 %100
73	M57	X	-9.8e-5	-9.8e-5	0 %100
74	M57	Z	-.00017	-.00017	0 %100
75	M58	X	-4.883	-4.883	0 %100
76	M58	Z	-8.457	-8.457	0 %100
77	M59	X	-3.33	-3.33	0 %100
78	M59	Z	-5.768	-5.768	0 %100
79	M60	X	-3.67	-3.67	0 %100
80	M60	Z	-6.357	-6.357	0 %100
81	M61	X	-3.67	-3.67	0 %100
82	M61	Z	-6.357	-6.357	0 %100
83	M62	X	-3.707	-3.707	0 %100
84	M62	Z	-6.421	-6.421	0 %100
85	M63	X	-3.707	-3.707	0 %100
86	M63	Z	-6.421	-6.421	0 %100
87	M64	X	-4.829	-4.829	0 %100
88	M64	Z	-8.365	-8.365	0 %100
89	M65	X	-4.853	-4.853	0 %100
90	M65	Z	-8.405	-8.405	0 %100
91	M66	X	-.001	-.001	0 %100
92	M66	Z	-.002	-.002	0 %100
93	M67	X	-.001	-.001	0 %100
94	M67	Z	-.002	-.002	0 %100
95	M68	X	-3.745	-3.745	0 %100
96	M68	Z	-6.487	-6.487	0 %100
97	M69	X	-3.745	-3.745	0 %100
98	M69	Z	-6.487	-6.487	0 %100
99	M70	X	-3.313	-3.313	0 %100
100	M70	Z	-5.738	-5.738	0 %100
101	M71	X	-4.869	-4.869	0 %100
102	M71	Z	-8.433	-8.433	0 %100
103	M72	X	-5.004	-5.004	0 %100
104	M72	Z	-8.667	-8.667	0 %100
105	M73	X	-5.004	-5.004	0 %100
106	M73	Z	-8.667	-8.667	0 %100
107	M74	X	-5.004	-5.004	0 %100
108	M74	Z	-8.667	-8.667	0 %100
109	MP5C	X	-3.827	-3.827	0 %100
110	MP5C	Z	-6.628	-6.628	0 %100
111	MP4C	X	-3.827	-3.827	0 %100
112	MP4C	Z	-6.628	-6.628	0 %100
113	MP2C	X	-3.827	-3.827	0 %100
114	MP2C	Z	-6.628	-6.628	0 %100
115	MP5B	X	-3.827	-3.827	0 %100
116	MP5B	Z	-6.628	-6.628	0 %100
117	MP4B	X	-3.827	-3.827	0 %100
118	MP4B	Z	-6.628	-6.628	0 %100
119	MP2B	X	-3.827	-3.827	0 %100
120	MP2B	Z	-6.628	-6.628	0 %100
121	M93	X	-5.192	-5.192	0 %100
122	M93	Z	-8.993	-8.993	0 %100
123	M94	X	-5.192	-5.192	0 %100
124	M94	Z	-8.993	-8.993	0 %100
125	EMPTYC	X	-3.827	-3.827	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
126	EMPTYC	Z	-6.628	-6.628	0	%100
127	RADIOC	X	-3.827	-3.827	0	%100
128	RADIOC	Z	-6.628	-6.628	0	%100
129	MP3C	X	-3.827	-3.827	0	%100
130	MP3C	Z	-6.628	-6.628	0	%100
131	M116	X	-5.192	-5.192	0	%100
132	M116	Z	-8.993	-8.993	0	%100
133	M117	X	-5.192	-5.192	0	%100
134	M117	Z	-8.993	-8.993	0	%100
135	EMPTYB	X	-3.827	-3.827	0	%100
136	EMPTYB	Z	-6.628	-6.628	0	%100
137	RADIOB	X	-3.827	-3.827	0	%100
138	RADIOB	Z	-6.628	-6.628	0	%100
139	MP3B	X	-3.827	-3.827	0	%100
140	MP3B	Z	-6.628	-6.628	0	%100
141	MP1C	X	-3.827	-3.827	0	%100
142	MP1C	Z	-6.628	-6.628	0	%100
143	MP1B	X	-3.827	-3.827	0	%100
144	MP1B	Z	-6.628	-6.628	0	%100
145	M121B	X	-3.227	-3.227	0	%100
146	M121B	Z	-5.589	-5.589	0	%100
147	M122B	X	-2.835	-2.835	0	%100
148	M122B	Z	-4.911	-4.911	0	%100
149	M123	X	-3.227	-3.227	0	%100
150	M123	Z	-5.589	-5.589	0	%100
151	M124A	X	-4.835	-4.835	0	%100
152	M124A	Z	-8.374	-8.374	0	%100
153	M125B	X	-4.737	-4.737	0	%100
154	M125B	Z	-8.205	-8.205	0	%100
155	M126A	X	-4.835	-4.835	0	%100
156	M126A	Z	-8.374	-8.374	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-4.076	-4.076	0	%100
3	FACE	X	0	0	0	%100
4	FACE	Z	-4.076	-4.076	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-2.966	-2.966	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-2.966	-2.966	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-3.143	-3.143	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-3.143	-3.143	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-3.143	-3.143	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-1.019	-1.019	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-1.019	-1.019	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-1.019	-1.019	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-1.019	-1.019	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]	
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M16	X	0	0	0	%100
28	M16	Z	-3.057	-3.057	0	%100
29	M17	X	0	0	0	%100
30	M17	Z	-3.057	-3.057	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-3.057	-3.057	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-3.057	-3.057	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	-1.038	-1.038	0	%100
37	M25	X	0	0	0	%100
38	M25	Z	-1.038	-1.038	0	%100
39	M26	X	0	0	0	%100
40	M26	Z	-.26	-.26	0	%100
41	M27	X	0	0	0	%100
42	M27	Z	-.26	-.26	0	%100
43	M28	X	0	0	0	%100
44	M28	Z	-.26	-.26	0	%100
45	M29	X	0	0	0	%100
46	M29	Z	-.26	-.26	0	%100
47	M30	X	0	0	0	%100
48	M30	Z	-.948	-.948	0	%100
49	M31	X	0	0	0	%100
50	M31	Z	-2.594	-2.594	0	%100
51	M32	X	0	0	0	%100
52	M32	Z	-2.594	-2.594	0	%100
53	EMPTYA	X	0	0	0	%100
54	EMPTYA	Z	-2.607	-2.607	0	%100
55	RADIOA	X	0	0	0	%100
56	RADIOA	Z	-2.607	-2.607	0	%100
57	MP3A	X	0	0	0	%100
58	MP3A	Z	-2.607	-2.607	0	%100
59	MP1A	X	0	0	0	%100
60	MP1A	Z	-2.607	-2.607	0	%100
61	MP5A	X	0	0	0	%100
62	MP5A	Z	-2.607	-2.607	0	%100
63	MP4A	X	0	0	0	%100
64	MP4A	Z	-2.607	-2.607	0	%100
65	MP2A	X	0	0	0	%100
66	MP2A	Z	-2.607	-2.607	0	%100
67	M54	X	0	0	0	%100
68	M54	Z	-.748	-.748	0	%100
69	M55	X	0	0	0	%100
70	M55	Z	-.748	-.748	0	%100
71	M56	X	0	0	0	%100
72	M56	Z	-.72	-.72	0	%100
73	M57	X	0	0	0	%100
74	M57	Z	-.72	-.72	0	%100
75	M58	X	0	0	0	%100
76	M58	Z	-2.255	-2.255	0	%100
77	M59	X	0	0	0	%100
78	M59	Z	-2.252	-2.252	0	%100
79	M60	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
80	M60	Z	-2.842	-2.842	0 %100
81	M61	X	0	0	0 %100
82	M61	Z	-2.842	-2.842	0 %100
83	M62	X	0	0	0 %100
84	M62	Z	-.698	-.698	0 %100
85	M63	X	0	0	0 %100
86	M63	Z	-.698	-.698	0 %100
87	M64	X	0	0	0 %100
88	M64	Z	-3.143	-3.143	0 %100
89	M65	X	0	0	0 %100
90	M65	Z	-2.243	-2.243	0 %100
91	M66	X	0	0	0 %100
92	M66	Z	-.674	-.674	0 %100
93	M67	X	0	0	0 %100
94	M67	Z	-.674	-.674	0 %100
95	M68	X	0	0	0 %100
96	M68	Z	-2.836	-2.836	0 %100
97	M69	X	0	0	0 %100
98	M69	Z	-2.836	-2.836	0 %100
99	M70	X	0	0	0 %100
100	M70	Z	-2.224	-2.224	0 %100
101	M71	X	0	0	0 %100
102	M71	Z	-3.143	-3.143	0 %100
103	M72	X	0	0	0 %100
104	M72	Z	-3.049	-3.049	0 %100
105	M73	X	0	0	0 %100
106	M73	Z	-3.049	-3.049	0 %100
107	M74	X	0	0	0 %100
108	M74	Z	-3.049	-3.049	0 %100
109	MP5C	X	0	0	0 %100
110	MP5C	Z	-2.607	-2.607	0 %100
111	MP4C	X	0	0	0 %100
112	MP4C	Z	-2.607	-2.607	0 %100
113	MP2C	X	0	0	0 %100
114	MP2C	Z	-2.607	-2.607	0 %100
115	MP5B	X	0	0	0 %100
116	MP5B	Z	-2.607	-2.607	0 %100
117	MP4B	X	0	0	0 %100
118	MP4B	Z	-2.607	-2.607	0 %100
119	MP2B	X	0	0	0 %100
120	MP2B	Z	-2.607	-2.607	0 %100
121	M93	X	0	0	0 %100
122	M93	Z	-2.966	-2.966	0 %100
123	M94	X	0	0	0 %100
124	M94	Z	-2.966	-2.966	0 %100
125	EMPTYC	X	0	0	0 %100
126	EMPTYC	Z	-2.607	-2.607	0 %100
127	RADIOC	X	0	0	0 %100
128	RADIOC	Z	-2.607	-2.607	0 %100
129	MP3C	X	0	0	0 %100
130	MP3C	Z	-2.607	-2.607	0 %100
131	M116	X	0	0	0 %100
132	M116	Z	-2.966	-2.966	0 %100
133	M117	X	0	0	0 %100
134	M117	Z	-2.966	-2.966	0 %100
135	EMPTYB	X	0	0	0 %100
136	EMPTYB	Z	-2.607	-2.607	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
137	RADIOB	X	0	0	%100
138	RADIOB	Z	-2.607	-2.607	%100
139	MP3B	X	0	0	%100
140	MP3B	Z	-2.607	-2.607	%100
141	MP1C	X	0	0	%100
142	MP1C	Z	-2.607	-2.607	%100
143	MP1B	X	0	0	%100
144	MP1B	Z	-2.607	-2.607	%100
145	M121B	X	0	0	%100
146	M121B	Z	-2.202	-2.202	%100
147	M122B	X	0	0	%100
148	M122B	Z	-2.03	-2.03	%100
149	M123	X	0	0	%100
150	M123	Z	-2.202	-2.202	%100
151	M124A	X	0	0	%100
152	M124A	Z	-2.202	-2.202	%100
153	M125B	X	0	0	%100
154	M125B	Z	-2.03	-2.03	%100
155	M126A	X	0	0	%100
156	M126A	Z	-2.202	-2.202	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.528	1.528	%100
2	M1	Z	-2.647	-2.647	%100
3	FACE	X	1.528	1.528	%100
4	FACE	Z	-2.647	-2.647	%100
5	M3	X	1.483	1.483	%100
6	M3	Z	-2.568	-2.568	%100
7	M4	X	1.483	1.483	%100
8	M4	Z	-2.568	-2.568	%100
9	M5	X	1.415	1.415	%100
10	M5	Z	-2.45	-2.45	%100
11	M6	X	1.386	1.386	%100
12	M6	Z	-2.401	-2.401	%100
13	M7	X	1.415	1.415	%100
14	M7	Z	-2.45	-2.45	%100
15	M8	X	1.528	1.528	%100
16	M8	Z	-2.647	-2.647	%100
17	M9	X	1.528	1.528	%100
18	M9	Z	-2.647	-2.647	%100
19	M10	X	0	0	%100
20	M10	Z	0	0	%100
21	M11	X	0	0	%100
22	M11	Z	0	0	%100
23	M12	X	.509	.509	%100
24	M12	Z	-.882	-.882	%100
25	M13	X	.509	.509	%100
26	M13	Z	-.882	-.882	%100
27	M16	X	.509	.509	%100
28	M16	Z	-.882	-.882	%100
29	M17	X	.509	.509	%100
30	M17	Z	-.882	-.882	%100
31	M20	X	2.038	2.038	%100
32	M20	Z	-3.53	-3.53	%100
33	M21	X	2.038	2.038	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	M66	X	1.048	1.048	0 %100
92	M66	Z	-1.815	-1.815	0 %100
93	M67	X	1.048	1.048	0 %100
94	M67	Z	-1.815	-1.815	0 %100
95	M68	X	1.058	1.058	0 %100
96	M68	Z	-1.833	-1.833	0 %100
97	M69	X	1.058	1.058	0 %100
98	M69	Z	-1.833	-1.833	0 %100
99	M70	X	1.413	1.413	0 %100
100	M70	Z	-2.448	-2.448	0 %100
101	M71	X	1.42	1.42	0 %100
102	M71	Z	-2.46	-2.46	0 %100
103	M72	X	1.524	1.524	0 %100
104	M72	Z	-2.64	-2.64	0 %100
105	M73	X	1.524	1.524	0 %100
106	M73	Z	-2.64	-2.64	0 %100
107	M74	X	1.524	1.524	0 %100
108	M74	Z	-2.64	-2.64	0 %100
109	MP5C	X	1.304	1.304	0 %100
110	MP5C	Z	-2.258	-2.258	0 %100
111	MP4C	X	1.304	1.304	0 %100
112	MP4C	Z	-2.258	-2.258	0 %100
113	MP2C	X	1.304	1.304	0 %100
114	MP2C	Z	-2.258	-2.258	0 %100
115	MP5B	X	1.304	1.304	0 %100
116	MP5B	Z	-2.258	-2.258	0 %100
117	MP4B	X	1.304	1.304	0 %100
118	MP4B	Z	-2.258	-2.258	0 %100
119	MP2B	X	1.304	1.304	0 %100
120	MP2B	Z	-2.258	-2.258	0 %100
121	M93	X	1.483	1.483	0 %100
122	M93	Z	-2.568	-2.568	0 %100
123	M94	X	1.483	1.483	0 %100
124	M94	Z	-2.568	-2.568	0 %100
125	EMPTYC	X	1.304	1.304	0 %100
126	EMPTYC	Z	-2.258	-2.258	0 %100
127	RADIOC	X	1.304	1.304	0 %100
128	RADIOC	Z	-2.258	-2.258	0 %100
129	MP3C	X	1.304	1.304	0 %100
130	MP3C	Z	-2.258	-2.258	0 %100
131	M116	X	1.483	1.483	0 %100
132	M116	Z	-2.568	-2.568	0 %100
133	M117	X	1.483	1.483	0 %100
134	M117	Z	-2.568	-2.568	0 %100
135	EMPTYB	X	1.304	1.304	0 %100
136	EMPTYB	Z	-2.258	-2.258	0 %100
137	RADIOB	X	1.304	1.304	0 %100
138	RADIOB	Z	-2.258	-2.258	0 %100
139	MP3B	X	1.304	1.304	0 %100
140	MP3B	Z	-2.258	-2.258	0 %100
141	MP1C	X	1.304	1.304	0 %100
142	MP1C	Z	-2.258	-2.258	0 %100
143	MP1B	X	1.304	1.304	0 %100
144	MP1B	Z	-2.258	-2.258	0 %100
145	M121B	X	1.415	1.415	0 %100
146	M121B	Z	-2.45	-2.45	0 %100
147	M122B	X	1.386	1.386	0 %100



Company : Colliers Engineering & Design
 Designer : ILR
 Job Number : Project No. 10207443
 Model Name : 5000120998-VZW_MT_LO_H

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
148	M122B	Z	-2.401	-2.401	0	%100
149	M123	X	1.415	1.415	0	%100
150	M123	Z	-2.45	-2.45	0	%100
151	M124A	X	.944	.944	0	%100
152	M124A	Z	-1.635	-1.635	0	%100
153	M125B	X	.83	.83	0	%100
154	M125B	Z	-1.437	-1.437	0	%100
155	M126A	X	.944	.944	0	%100
156	M126A	Z	-1.635	-1.635	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.882	.882	0	%100
2	M1	Z	-.509	-.509	0	%100
3	FACE	X	.882	.882	0	%100
4	FACE	Z	-.509	-.509	0	%100
5	M3	X	2.568	2.568	0	%100
6	M3	Z	-1.483	-1.483	0	%100
7	M4	X	2.568	2.568	0	%100
8	M4	Z	-1.483	-1.483	0	%100
9	M5	X	1.907	1.907	0	%100
10	M5	Z	-1.101	-1.101	0	%100
11	M6	X	1.758	1.758	0	%100
12	M6	Z	-1.015	-1.015	0	%100
13	M7	X	1.907	1.907	0	%100
14	M7	Z	-1.101	-1.101	0	%100
15	M8	X	3.53	3.53	0	%100
16	M8	Z	-2.038	-2.038	0	%100
17	M9	X	3.53	3.53	0	%100
18	M9	Z	-2.038	-2.038	0	%100
19	M10	X	.882	.882	0	%100
20	M10	Z	-.509	-.509	0	%100
21	M11	X	.882	.882	0	%100
22	M11	Z	-.509	-.509	0	%100
23	M12	X	2.647	2.647	0	%100
24	M12	Z	-1.528	-1.528	0	%100
25	M13	X	2.647	2.647	0	%100
26	M13	Z	-1.528	-1.528	0	%100
27	M16	X	0	0	0	%100
28	M16	Z	0	0	0	%100
29	M17	X	0	0	0	%100
30	M17	Z	0	0	0	%100
31	M20	X	2.647	2.647	0	%100
32	M20	Z	-1.528	-1.528	0	%100
33	M21	X	2.647	2.647	0	%100
34	M21	Z	-1.528	-1.528	0	%100
35	M24	X	.225	.225	0	%100
36	M24	Z	-.13	-.13	0	%100
37	M25	X	.225	.225	0	%100
38	M25	Z	-.13	-.13	0	%100
39	M26	X	.899	.899	0	%100
40	M26	Z	-.519	-.519	0	%100
41	M27	X	.899	.899	0	%100
42	M27	Z	-.519	-.519	0	%100
43	M28	X	.225	.225	0	%100
44	M28	Z	-.13	-.13	0	%100



Company : Colliers Engineering & Design
 Designer : ILR
 Job Number : Project No. 10207443
 Model Name : 5000120998-VZW_MT_LO_H

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
45	M29	X	.225	.225	0 %100
46	M29	Z	-.13	-.13	0 %100
47	M30	X	2.247	2.247	0 %100
48	M30	Z	-1.297	-1.297	0 %100
49	M31	X	.821	.821	0 %100
50	M31	Z	-.474	-.474	0 %100
51	M32	X	2.247	2.247	0 %100
52	M32	Z	-1.297	-1.297	0 %100
53	EMPTYA	X	2.258	2.258	0 %100
54	EMPTYA	Z	-1.304	-1.304	0 %100
55	RADIOA	X	2.258	2.258	0 %100
56	RADIOA	Z	-1.304	-1.304	0 %100
57	MP3A	X	2.258	2.258	0 %100
58	MP3A	Z	-1.304	-1.304	0 %100
59	MP1A	X	2.258	2.258	0 %100
60	MP1A	Z	-1.304	-1.304	0 %100
61	MP5A	X	2.258	2.258	0 %100
62	MP5A	Z	-1.304	-1.304	0 %100
63	MP4A	X	2.258	2.258	0 %100
64	MP4A	Z	-1.304	-1.304	0 %100
65	MP2A	X	2.258	2.258	0 %100
66	MP2A	Z	-1.304	-1.304	0 %100
67	M54	X	.584	.584	0 %100
68	M54	Z	-.337	-.337	0 %100
69	M55	X	.584	.584	0 %100
70	M55	Z	-.337	-.337	0 %100
71	M56	X	2.456	2.456	0 %100
72	M56	Z	-1.418	-1.418	0 %100
73	M57	X	2.456	2.456	0 %100
74	M57	Z	-1.418	-1.418	0 %100
75	M58	X	1.926	1.926	0 %100
76	M58	Z	-1.112	-1.112	0 %100
77	M59	X	2.722	2.722	0 %100
78	M59	Z	-1.572	-1.572	0 %100
79	M60	X	.648	.648	0 %100
80	M60	Z	-.374	-.374	0 %100
81	M61	X	.648	.648	0 %100
82	M61	Z	-.374	-.374	0 %100
83	M62	X	.624	.624	0 %100
84	M62	Z	-.36	-.36	0 %100
85	M63	X	.624	.624	0 %100
86	M63	Z	-.36	-.36	0 %100
87	M64	X	1.953	1.953	0 %100
88	M64	Z	-1.128	-1.128	0 %100
89	M65	X	1.95	1.95	0 %100
90	M65	Z	-1.126	-1.126	0 %100
91	M66	X	2.462	2.462	0 %100
92	M66	Z	-1.421	-1.421	0 %100
93	M67	X	2.462	2.462	0 %100
94	M67	Z	-1.421	-1.421	0 %100
95	M68	X	.605	.605	0 %100
96	M68	Z	-.349	-.349	0 %100
97	M69	X	.605	.605	0 %100
98	M69	Z	-.349	-.349	0 %100
99	M70	X	2.722	2.722	0 %100
100	M70	Z	-1.571	-1.571	0 %100
101	M71	X	1.942	1.942	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
102	M71	Z	-1.121	-1.121	0 %100
103	M72	X	2.64	2.64	0 %100
104	M72	Z	-1.524	-1.524	0 %100
105	M73	X	2.64	2.64	0 %100
106	M73	Z	-1.524	-1.524	0 %100
107	M74	X	2.64	2.64	0 %100
108	M74	Z	-1.524	-1.524	0 %100
109	MP5C	X	2.258	2.258	0 %100
110	MP5C	Z	-1.304	-1.304	0 %100
111	MP4C	X	2.258	2.258	0 %100
112	MP4C	Z	-1.304	-1.304	0 %100
113	MP2C	X	2.258	2.258	0 %100
114	MP2C	Z	-1.304	-1.304	0 %100
115	MP5B	X	2.258	2.258	0 %100
116	MP5B	Z	-1.304	-1.304	0 %100
117	MP4B	X	2.258	2.258	0 %100
118	MP4B	Z	-1.304	-1.304	0 %100
119	MP2B	X	2.258	2.258	0 %100
120	MP2B	Z	-1.304	-1.304	0 %100
121	M93	X	2.568	2.568	0 %100
122	M93	Z	-1.483	-1.483	0 %100
123	M94	X	2.568	2.568	0 %100
124	M94	Z	-1.483	-1.483	0 %100
125	EMPTYC	X	2.258	2.258	0 %100
126	EMPTYC	Z	-1.304	-1.304	0 %100
127	RADIOC	X	2.258	2.258	0 %100
128	RADIOC	Z	-1.304	-1.304	0 %100
129	MP3C	X	2.258	2.258	0 %100
130	MP3C	Z	-1.304	-1.304	0 %100
131	M116	X	2.568	2.568	0 %100
132	M116	Z	-1.483	-1.483	0 %100
133	M117	X	2.568	2.568	0 %100
134	M117	Z	-1.483	-1.483	0 %100
135	EMPTYB	X	2.258	2.258	0 %100
136	EMPTYB	Z	-1.304	-1.304	0 %100
137	RADIOB	X	2.258	2.258	0 %100
138	RADIOB	Z	-1.304	-1.304	0 %100
139	MP3B	X	2.258	2.258	0 %100
140	MP3B	Z	-1.304	-1.304	0 %100
141	MP1C	X	2.258	2.258	0 %100
142	MP1C	Z	-1.304	-1.304	0 %100
143	MP1B	X	2.258	2.258	0 %100
144	MP1B	Z	-1.304	-1.304	0 %100
145	M121B	X	2.722	2.722	0 %100
146	M121B	Z	-1.572	-1.572	0 %100
147	M122B	X	2.722	2.722	0 %100
148	M122B	Z	-1.572	-1.572	0 %100
149	M123	X	2.722	2.722	0 %100
150	M123	Z	-1.572	-1.572	0 %100
151	M124A	X	1.907	1.907	0 %100
152	M124A	Z	-1.101	-1.101	0 %100
153	M125B	X	1.758	1.758	0 %100
154	M125B	Z	-1.015	-1.015	0 %100
155	M126A	X	1.907	1.907	0 %100
156	M126A	Z	-1.101	-1.101	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
58	MP3A	Z	0	0	0	%100
59	MP1A	X	2.607	2.607	0	%100
60	MP1A	Z	0	0	0	%100
61	MP5A	X	2.607	2.607	0	%100
62	MP5A	Z	0	0	0	%100
63	MP4A	X	2.607	2.607	0	%100
64	MP4A	Z	0	0	0	%100
65	MP2A	X	2.607	2.607	0	%100
66	MP2A	Z	0	0	0	%100
67	M54	X	2.095	2.095	0	%100
68	M54	Z	0	0	0	%100
69	M55	X	2.095	2.095	0	%100
70	M55	Z	0	0	0	%100
71	M56	X	2.116	2.116	0	%100
72	M56	Z	0	0	0	%100
73	M57	X	2.116	2.116	0	%100
74	M57	Z	0	0	0	%100
75	M58	X	2.826	2.826	0	%100
76	M58	Z	0	0	0	%100
77	M59	X	2.84	2.84	0	%100
78	M59	Z	0	0	0	%100
79	M60	X	.000632	.000632	0	%100
80	M60	Z	0	0	0	%100
81	M61	X	.000632	.000632	0	%100
82	M61	Z	0	0	0	%100
83	M62	X	2.138	2.138	0	%100
84	M62	Z	0	0	0	%100
85	M63	X	2.138	2.138	0	%100
86	M63	Z	0	0	0	%100
87	M64	X	1.939	1.939	0	%100
88	M64	Z	0	0	0	%100
89	M65	X	2.849	2.849	0	%100
90	M65	Z	0	0	0	%100
91	M66	X	2.169	2.169	0	%100
92	M66	Z	0	0	0	%100
93	M67	X	2.169	2.169	0	%100
94	M67	Z	0	0	0	%100
95	M68	X	5.6e-5	5.6e-5	0	%100
96	M68	Z	0	0	0	%100
97	M69	X	5.6e-5	5.6e-5	0	%100
98	M69	Z	0	0	0	%100
99	M70	X	2.857	2.857	0	%100
100	M70	Z	0	0	0	%100
101	M71	X	1.949	1.949	0	%100
102	M71	Z	0	0	0	%100
103	M72	X	3.049	3.049	0	%100
104	M72	Z	0	0	0	%100
105	M73	X	3.049	3.049	0	%100
106	M73	Z	0	0	0	%100
107	M74	X	3.049	3.049	0	%100
108	M74	Z	0	0	0	%100
109	MP5C	X	2.607	2.607	0	%100
110	MP5C	Z	0	0	0	%100
111	MP4C	X	2.607	2.607	0	%100
112	MP4C	Z	0	0	0	%100
113	MP2C	X	2.607	2.607	0	%100
114	MP2C	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	MP5B	X	2.607	2.607	0	%100
116	MP5B	Z	0	0	0	%100
117	MP4B	X	2.607	2.607	0	%100
118	MP4B	Z	0	0	0	%100
119	MP2B	X	2.607	2.607	0	%100
120	MP2B	Z	0	0	0	%100
121	M93	X	2.966	2.966	0	%100
122	M93	Z	0	0	0	%100
123	M94	X	2.966	2.966	0	%100
124	M94	Z	0	0	0	%100
125	EMPTYC	X	2.607	2.607	0	%100
126	EMPTYC	Z	0	0	0	%100
127	RADIOC	X	2.607	2.607	0	%100
128	RADIOC	Z	0	0	0	%100
129	MP3C	X	2.607	2.607	0	%100
130	MP3C	Z	0	0	0	%100
131	M116	X	2.966	2.966	0	%100
132	M116	Z	0	0	0	%100
133	M117	X	2.966	2.966	0	%100
134	M117	Z	0	0	0	%100
135	EMPTYB	X	2.607	2.607	0	%100
136	EMPTYB	Z	0	0	0	%100
137	RADIOB	X	2.607	2.607	0	%100
138	RADIOB	Z	0	0	0	%100
139	MP3B	X	2.607	2.607	0	%100
140	MP3B	Z	0	0	0	%100
141	MP1C	X	2.607	2.607	0	%100
142	MP1C	Z	0	0	0	%100
143	MP1B	X	2.607	2.607	0	%100
144	MP1B	Z	0	0	0	%100
145	M121B	X	2.829	2.829	0	%100
146	M121B	Z	0	0	0	%100
147	M122B	X	2.772	2.772	0	%100
148	M122B	Z	0	0	0	%100
149	M123	X	2.829	2.829	0	%100
150	M123	Z	0	0	0	%100
151	M124A	X	2.829	2.829	0	%100
152	M124A	Z	0	0	0	%100
153	M125B	X	2.772	2.772	0	%100
154	M125B	Z	0	0	0	%100
155	M126A	X	2.829	2.829	0	%100
156	M126A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.882	.882	0	%100
2	M1	Z	.509	.509	0	%100
3	FACE	X	.882	.882	0	%100
4	FACE	Z	.509	.509	0	%100
5	M3	X	2.568	2.568	0	%100
6	M3	Z	1.483	1.483	0	%100
7	M4	X	2.568	2.568	0	%100
8	M4	Z	1.483	1.483	0	%100
9	M5	X	1.907	1.907	0	%100
10	M5	Z	1.101	1.101	0	%100
11	M6	X	1.758	1.758	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
12	M6	Z	1.015	1.015	0 %100
13	M7	X	1.907	1.907	0 %100
14	M7	Z	1.101	1.101	0 %100
15	M8	X	.882	.882	0 %100
16	M8	Z	.509	.509	0 %100
17	M9	X	.882	.882	0 %100
18	M9	Z	.509	.509	0 %100
19	M10	X	3.53	3.53	0 %100
20	M10	Z	2.038	2.038	0 %100
21	M11	X	3.53	3.53	0 %100
22	M11	Z	2.038	2.038	0 %100
23	M12	X	2.647	2.647	0 %100
24	M12	Z	1.528	1.528	0 %100
25	M13	X	2.647	2.647	0 %100
26	M13	Z	1.528	1.528	0 %100
27	M16	X	2.647	2.647	0 %100
28	M16	Z	1.528	1.528	0 %100
29	M17	X	2.647	2.647	0 %100
30	M17	Z	1.528	1.528	0 %100
31	M20	X	0	0	0 %100
32	M20	Z	0	0	0 %100
33	M21	X	0	0	0 %100
34	M21	Z	0	0	0 %100
35	M24	X	.225	.225	0 %100
36	M24	Z	.13	.13	0 %100
37	M25	X	.225	.225	0 %100
38	M25	Z	.13	.13	0 %100
39	M26	X	.225	.225	0 %100
40	M26	Z	.13	.13	0 %100
41	M27	X	.225	.225	0 %100
42	M27	Z	.13	.13	0 %100
43	M28	X	.899	.899	0 %100
44	M28	Z	.519	.519	0 %100
45	M29	X	.899	.899	0 %100
46	M29	Z	.519	.519	0 %100
47	M30	X	2.247	2.247	0 %100
48	M30	Z	1.297	1.297	0 %100
49	M31	X	2.247	2.247	0 %100
50	M31	Z	1.297	1.297	0 %100
51	M32	X	.821	.821	0 %100
52	M32	Z	.474	.474	0 %100
53	EMPTYA	X	2.258	2.258	0 %100
54	EMPTYA	Z	1.304	1.304	0 %100
55	RADIOA	X	2.258	2.258	0 %100
56	RADIOA	Z	1.304	1.304	0 %100
57	MP3A	X	2.258	2.258	0 %100
58	MP3A	Z	1.304	1.304	0 %100
59	MP1A	X	2.258	2.258	0 %100
60	MP1A	Z	1.304	1.304	0 %100
61	MP5A	X	2.258	2.258	0 %100
62	MP5A	Z	1.304	1.304	0 %100
63	MP4A	X	2.258	2.258	0 %100
64	MP4A	Z	1.304	1.304	0 %100
65	MP2A	X	2.258	2.258	0 %100
66	MP2A	Z	1.304	1.304	0 %100
67	M54	X	2.462	2.462	0 %100
68	M54	Z	1.421	1.421	0 %100



Company : Colliers Engineering & Design
 Designer : ILR
 Job Number : Project No. 10207443
 Model Name : 5000120998-VZW_MT_LO_H

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
69	M55	X	2.462	2.462	0 %100
70	M55	Z	1.421	1.421	0 %100
71	M56	X	.605	.605	0 %100
72	M56	Z	.349	.349	0 %100
73	M57	X	.605	.605	0 %100
74	M57	Z	.349	.349	0 %100
75	M58	X	2.722	2.722	0 %100
76	M58	Z	1.571	1.571	0 %100
77	M59	X	1.942	1.942	0 %100
78	M59	Z	1.121	1.121	0 %100
79	M60	X	.584	.584	0 %100
80	M60	Z	.337	.337	0 %100
81	M61	X	.584	.584	0 %100
82	M61	Z	.337	.337	0 %100
83	M62	X	2.456	2.456	0 %100
84	M62	Z	1.418	1.418	0 %100
85	M63	X	2.456	2.456	0 %100
86	M63	Z	1.418	1.418	0 %100
87	M64	X	1.926	1.926	0 %100
88	M64	Z	1.112	1.112	0 %100
89	M65	X	2.722	2.722	0 %100
90	M65	Z	1.572	1.572	0 %100
91	M66	X	.648	.648	0 %100
92	M66	Z	.374	.374	0 %100
93	M67	X	.648	.648	0 %100
94	M67	Z	.374	.374	0 %100
95	M68	X	.624	.624	0 %100
96	M68	Z	.36	.36	0 %100
97	M69	X	.624	.624	0 %100
98	M69	Z	.36	.36	0 %100
99	M70	X	1.953	1.953	0 %100
100	M70	Z	1.128	1.128	0 %100
101	M71	X	1.95	1.95	0 %100
102	M71	Z	1.126	1.126	0 %100
103	M72	X	2.64	2.64	0 %100
104	M72	Z	1.524	1.524	0 %100
105	M73	X	2.64	2.64	0 %100
106	M73	Z	1.524	1.524	0 %100
107	M74	X	2.64	2.64	0 %100
108	M74	Z	1.524	1.524	0 %100
109	MP5C	X	2.258	2.258	0 %100
110	MP5C	Z	1.304	1.304	0 %100
111	MP4C	X	2.258	2.258	0 %100
112	MP4C	Z	1.304	1.304	0 %100
113	MP2C	X	2.258	2.258	0 %100
114	MP2C	Z	1.304	1.304	0 %100
115	MP5B	X	2.258	2.258	0 %100
116	MP5B	Z	1.304	1.304	0 %100
117	MP4B	X	2.258	2.258	0 %100
118	MP4B	Z	1.304	1.304	0 %100
119	MP2B	X	2.258	2.258	0 %100
120	MP2B	Z	1.304	1.304	0 %100
121	M93	X	2.568	2.568	0 %100
122	M93	Z	1.483	1.483	0 %100
123	M94	X	2.568	2.568	0 %100
124	M94	Z	1.483	1.483	0 %100
125	EMPTYC	X	2.258	2.258	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
126	EMPTYC	Z	1.304	1.304	0 %100
127	RADIOC	X	2.258	2.258	0 %100
128	RADIOC	Z	1.304	1.304	0 %100
129	MP3C	X	2.258	2.258	0 %100
130	MP3C	Z	1.304	1.304	0 %100
131	M116	X	2.568	2.568	0 %100
132	M116	Z	1.483	1.483	0 %100
133	M117	X	2.568	2.568	0 %100
134	M117	Z	1.483	1.483	0 %100
135	EMPTYB	X	2.258	2.258	0 %100
136	EMPTYB	Z	1.304	1.304	0 %100
137	RADIOB	X	2.258	2.258	0 %100
138	RADIOB	Z	1.304	1.304	0 %100
139	MP3B	X	2.258	2.258	0 %100
140	MP3B	Z	1.304	1.304	0 %100
141	MP1C	X	2.258	2.258	0 %100
142	MP1C	Z	1.304	1.304	0 %100
143	MP1B	X	2.258	2.258	0 %100
144	MP1B	Z	1.304	1.304	0 %100
145	M121B	X	1.907	1.907	0 %100
146	M121B	Z	1.101	1.101	0 %100
147	M122B	X	1.758	1.758	0 %100
148	M122B	Z	1.015	1.015	0 %100
149	M123	X	1.907	1.907	0 %100
150	M123	Z	1.101	1.101	0 %100
151	M124A	X	2.722	2.722	0 %100
152	M124A	Z	1.572	1.572	0 %100
153	M125B	X	2.722	2.722	0 %100
154	M125B	Z	1.572	1.572	0 %100
155	M126A	X	2.722	2.722	0 %100
156	M126A	Z	1.572	1.572	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.528	1.528	0 %100
2	M1	Z	2.647	2.647	0 %100
3	FACE	X	1.528	1.528	0 %100
4	FACE	Z	2.647	2.647	0 %100
5	M3	X	1.483	1.483	0 %100
6	M3	Z	2.568	2.568	0 %100
7	M4	X	1.483	1.483	0 %100
8	M4	Z	2.568	2.568	0 %100
9	M5	X	1.415	1.415	0 %100
10	M5	Z	2.45	2.45	0 %100
11	M6	X	1.386	1.386	0 %100
12	M6	Z	2.401	2.401	0 %100
13	M7	X	1.415	1.415	0 %100
14	M7	Z	2.45	2.45	0 %100
15	M8	X	0	0	0 %100
16	M8	Z	0	0	0 %100
17	M9	X	0	0	0 %100
18	M9	Z	0	0	0 %100
19	M10	X	1.528	1.528	0 %100
20	M10	Z	2.647	2.647	0 %100
21	M11	X	1.528	1.528	0 %100
22	M11	Z	2.647	2.647	0 %100



Company : Colliers Engineering & Design
 Designer : ILR
 Job Number : Project No. 10207443
 Model Name : 5000120998-VZW_MT_LO_H

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
23	M12	X	.509	.509	0 %100
24	M12	Z	.882	.882	0 %100
25	M13	X	.509	.509	0 %100
26	M13	Z	.882	.882	0 %100
27	M16	X	2.038	2.038	0 %100
28	M16	Z	3.53	3.53	0 %100
29	M17	X	2.038	2.038	0 %100
30	M17	Z	3.53	3.53	0 %100
31	M20	X	.509	.509	0 %100
32	M20	Z	.882	.882	0 %100
33	M21	X	.509	.509	0 %100
34	M21	Z	.882	.882	0 %100
35	M24	X	.389	.389	0 %100
36	M24	Z	.674	.674	0 %100
37	M25	X	.389	.389	0 %100
38	M25	Z	.674	.674	0 %100
39	M26	X	0	0	0 %100
40	M26	Z	0	0	0 %100
41	M27	X	0	0	0 %100
42	M27	Z	0	0	0 %100
43	M28	X	.389	.389	0 %100
44	M28	Z	.674	.674	0 %100
45	M29	X	.389	.389	0 %100
46	M29	Z	.674	.674	0 %100
47	M30	X	.748	.748	0 %100
48	M30	Z	1.296	1.296	0 %100
49	M31	X	1.572	1.572	0 %100
50	M31	Z	2.722	2.722	0 %100
51	M32	X	.748	.748	0 %100
52	M32	Z	1.296	1.296	0 %100
53	EMPTYA	X	1.304	1.304	0 %100
54	EMPTYA	Z	2.258	2.258	0 %100
55	RADIOA	X	1.304	1.304	0 %100
56	RADIOA	Z	2.258	2.258	0 %100
57	MP3A	X	1.304	1.304	0 %100
58	MP3A	Z	2.258	2.258	0 %100
59	MP1A	X	1.304	1.304	0 %100
60	MP1A	Z	2.258	2.258	0 %100
61	MP5A	X	1.304	1.304	0 %100
62	MP5A	Z	2.258	2.258	0 %100
63	MP4A	X	1.304	1.304	0 %100
64	MP4A	Z	2.258	2.258	0 %100
65	MP2A	X	1.304	1.304	0 %100
66	MP2A	Z	2.258	2.258	0 %100
67	M54	X	1.084	1.084	0 %100
68	M54	Z	1.878	1.878	0 %100
69	M55	X	1.084	1.084	0 %100
70	M55	Z	1.878	1.878	0 %100
71	M56	X	2.8e-5	2.8e-5	0 %100
72	M56	Z	4.8e-5	4.8e-5	0 %100
73	M57	X	2.8e-5	2.8e-5	0 %100
74	M57	Z	4.8e-5	4.8e-5	0 %100
75	M58	X	1.429	1.429	0 %100
76	M58	Z	2.475	2.475	0 %100
77	M59	X	.975	.975	0 %100
78	M59	Z	1.688	1.688	0 %100
79	M60	X	1.048	1.048	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
80	M60	Z	1.815	1.815	0 %100
81	M61	X	1.048	1.048	0 %100
82	M61	Z	1.815	1.815	0 %100
83	M62	X	1.058	1.058	0 %100
84	M62	Z	1.833	1.833	0 %100
85	M63	X	1.058	1.058	0 %100
86	M63	Z	1.833	1.833	0 %100
87	M64	X	1.413	1.413	0 %100
88	M64	Z	2.448	2.448	0 %100
89	M65	X	1.42	1.42	0 %100
90	M65	Z	2.46	2.46	0 %100
91	M66	X	.000316	.000316	0 %100
92	M66	Z	.000547	.000547	0 %100
93	M67	X	.000316	.000316	0 %100
94	M67	Z	.000547	.000547	0 %100
95	M68	X	1.069	1.069	0 %100
96	M68	Z	1.852	1.852	0 %100
97	M69	X	1.069	1.069	0 %100
98	M69	Z	1.852	1.852	0 %100
99	M70	X	.969	.969	0 %100
100	M70	Z	1.679	1.679	0 %100
101	M71	X	1.425	1.425	0 %100
102	M71	Z	2.468	2.468	0 %100
103	M72	X	1.524	1.524	0 %100
104	M72	Z	2.64	2.64	0 %100
105	M73	X	1.524	1.524	0 %100
106	M73	Z	2.64	2.64	0 %100
107	M74	X	1.524	1.524	0 %100
108	M74	Z	2.64	2.64	0 %100
109	MP5C	X	1.304	1.304	0 %100
110	MP5C	Z	2.258	2.258	0 %100
111	MP4C	X	1.304	1.304	0 %100
112	MP4C	Z	2.258	2.258	0 %100
113	MP2C	X	1.304	1.304	0 %100
114	MP2C	Z	2.258	2.258	0 %100
115	MP5B	X	1.304	1.304	0 %100
116	MP5B	Z	2.258	2.258	0 %100
117	MP4B	X	1.304	1.304	0 %100
118	MP4B	Z	2.258	2.258	0 %100
119	MP2B	X	1.304	1.304	0 %100
120	MP2B	Z	2.258	2.258	0 %100
121	M93	X	1.483	1.483	0 %100
122	M93	Z	2.568	2.568	0 %100
123	M94	X	1.483	1.483	0 %100
124	M94	Z	2.568	2.568	0 %100
125	EMPTYC	X	1.304	1.304	0 %100
126	EMPTYC	Z	2.258	2.258	0 %100
127	RADIOC	X	1.304	1.304	0 %100
128	RADIOC	Z	2.258	2.258	0 %100
129	MP3C	X	1.304	1.304	0 %100
130	MP3C	Z	2.258	2.258	0 %100
131	M116	X	1.483	1.483	0 %100
132	M116	Z	2.568	2.568	0 %100
133	M117	X	1.483	1.483	0 %100
134	M117	Z	2.568	2.568	0 %100
135	EMPTYB	X	1.304	1.304	0 %100
136	EMPTYB	Z	2.258	2.258	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
34	M21	Z	3.057	3.057	0 %100
35	M24	X	0	0	0 %100
36	M24	Z	1.038	1.038	0 %100
37	M25	X	0	0	0 %100
38	M25	Z	1.038	1.038	0 %100
39	M26	X	0	0	0 %100
40	M26	Z	.26	.26	0 %100
41	M27	X	0	0	0 %100
42	M27	Z	.26	.26	0 %100
43	M28	X	0	0	0 %100
44	M28	Z	.26	.26	0 %100
45	M29	X	0	0	0 %100
46	M29	Z	.26	.26	0 %100
47	M30	X	0	0	0 %100
48	M30	Z	.948	.948	0 %100
49	M31	X	0	0	0 %100
50	M31	Z	2.594	2.594	0 %100
51	M32	X	0	0	0 %100
52	M32	Z	2.594	2.594	0 %100
53	EMPTYA	X	0	0	0 %100
54	EMPTYA	Z	2.607	2.607	0 %100
55	RADIOA	X	0	0	0 %100
56	RADIOA	Z	2.607	2.607	0 %100
57	MP3A	X	0	0	0 %100
58	MP3A	Z	2.607	2.607	0 %100
59	MP1A	X	0	0	0 %100
60	MP1A	Z	2.607	2.607	0 %100
61	MP5A	X	0	0	0 %100
62	MP5A	Z	2.607	2.607	0 %100
63	MP4A	X	0	0	0 %100
64	MP4A	Z	2.607	2.607	0 %100
65	MP2A	X	0	0	0 %100
66	MP2A	Z	2.607	2.607	0 %100
67	M54	X	0	0	0 %100
68	M54	Z	.748	.748	0 %100
69	M55	X	0	0	0 %100
70	M55	Z	.748	.748	0 %100
71	M56	X	0	0	0 %100
72	M56	Z	.72	.72	0 %100
73	M57	X	0	0	0 %100
74	M57	Z	.72	.72	0 %100
75	M58	X	0	0	0 %100
76	M58	Z	2.255	2.255	0 %100
77	M59	X	0	0	0 %100
78	M59	Z	2.252	2.252	0 %100
79	M60	X	0	0	0 %100
80	M60	Z	2.842	2.842	0 %100
81	M61	X	0	0	0 %100
82	M61	Z	2.842	2.842	0 %100
83	M62	X	0	0	0 %100
84	M62	Z	.698	.698	0 %100
85	M63	X	0	0	0 %100
86	M63	Z	.698	.698	0 %100
87	M64	X	0	0	0 %100
88	M64	Z	3.143	3.143	0 %100
89	M65	X	0	0	0 %100
90	M65	Z	2.243	2.243	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
91	M66	X	0	0	0	%100
92	M66	Z	.674	.674	0	%100
93	M67	X	0	0	0	%100
94	M67	Z	.674	.674	0	%100
95	M68	X	0	0	0	%100
96	M68	Z	2.836	2.836	0	%100
97	M69	X	0	0	0	%100
98	M69	Z	2.836	2.836	0	%100
99	M70	X	0	0	0	%100
100	M70	Z	2.224	2.224	0	%100
101	M71	X	0	0	0	%100
102	M71	Z	3.143	3.143	0	%100
103	M72	X	0	0	0	%100
104	M72	Z	3.049	3.049	0	%100
105	M73	X	0	0	0	%100
106	M73	Z	3.049	3.049	0	%100
107	M74	X	0	0	0	%100
108	M74	Z	3.049	3.049	0	%100
109	MP5C	X	0	0	0	%100
110	MP5C	Z	2.607	2.607	0	%100
111	MP4C	X	0	0	0	%100
112	MP4C	Z	2.607	2.607	0	%100
113	MP2C	X	0	0	0	%100
114	MP2C	Z	2.607	2.607	0	%100
115	MP5B	X	0	0	0	%100
116	MP5B	Z	2.607	2.607	0	%100
117	MP4B	X	0	0	0	%100
118	MP4B	Z	2.607	2.607	0	%100
119	MP2B	X	0	0	0	%100
120	MP2B	Z	2.607	2.607	0	%100
121	M93	X	0	0	0	%100
122	M93	Z	2.966	2.966	0	%100
123	M94	X	0	0	0	%100
124	M94	Z	2.966	2.966	0	%100
125	EMPTYC	X	0	0	0	%100
126	EMPTYC	Z	2.607	2.607	0	%100
127	RADIOC	X	0	0	0	%100
128	RADIOC	Z	2.607	2.607	0	%100
129	MP3C	X	0	0	0	%100
130	MP3C	Z	2.607	2.607	0	%100
131	M116	X	0	0	0	%100
132	M116	Z	2.966	2.966	0	%100
133	M117	X	0	0	0	%100
134	M117	Z	2.966	2.966	0	%100
135	EMPTYB	X	0	0	0	%100
136	EMPTYB	Z	2.607	2.607	0	%100
137	RADIOB	X	0	0	0	%100
138	RADIOB	Z	2.607	2.607	0	%100
139	MP3B	X	0	0	0	%100
140	MP3B	Z	2.607	2.607	0	%100
141	MP1C	X	0	0	0	%100
142	MP1C	Z	2.607	2.607	0	%100
143	MP1B	X	0	0	0	%100
144	MP1B	Z	2.607	2.607	0	%100
145	M121B	X	0	0	0	%100
146	M121B	Z	2.202	2.202	0	%100
147	M122B	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
45	M29	X	0	0	0	%100
46	M29	Z	0	0	0	%100
47	M30	X	-0.748	-0.748	0	%100
48	M30	Z	1.296	1.296	0	%100
49	M31	X	-0.748	-0.748	0	%100
50	M31	Z	1.296	1.296	0	%100
51	M32	X	-1.572	-1.572	0	%100
52	M32	Z	2.722	2.722	0	%100
53	EMPTYA	X	-1.304	-1.304	0	%100
54	EMPTYA	Z	2.258	2.258	0	%100
55	RADIOA	X	-1.304	-1.304	0	%100
56	RADIOA	Z	2.258	2.258	0	%100
57	MP3A	X	-1.304	-1.304	0	%100
58	MP3A	Z	2.258	2.258	0	%100
59	MP1A	X	-1.304	-1.304	0	%100
60	MP1A	Z	2.258	2.258	0	%100
61	MP5A	X	-1.304	-1.304	0	%100
62	MP5A	Z	2.258	2.258	0	%100
63	MP4A	X	-1.304	-1.304	0	%100
64	MP4A	Z	2.258	2.258	0	%100
65	MP2A	X	-1.304	-1.304	0	%100
66	MP2A	Z	2.258	2.258	0	%100
67	M54	X	-0.000316	-0.000316	0	%100
68	M54	Z	0.000547	0.000547	0	%100
69	M55	X	-0.000316	-0.000316	0	%100
70	M55	Z	0.000547	0.000547	0	%100
71	M56	X	-1.069	-1.069	0	%100
72	M56	Z	1.852	1.852	0	%100
73	M57	X	-1.069	-1.069	0	%100
74	M57	Z	1.852	1.852	0	%100
75	M58	X	-0.969	-0.969	0	%100
76	M58	Z	1.679	1.679	0	%100
77	M59	X	-1.425	-1.425	0	%100
78	M59	Z	2.468	2.468	0	%100
79	M60	X	-1.084	-1.084	0	%100
80	M60	Z	1.878	1.878	0	%100
81	M61	X	-1.084	-1.084	0	%100
82	M61	Z	1.878	1.878	0	%100
83	M62	X	-2.8e-5	-2.8e-5	0	%100
84	M62	Z	4.8e-5	4.8e-5	0	%100
85	M63	X	-2.8e-5	-2.8e-5	0	%100
86	M63	Z	4.8e-5	4.8e-5	0	%100
87	M64	X	-1.429	-1.429	0	%100
88	M64	Z	2.475	2.475	0	%100
89	M65	X	-0.975	-0.975	0	%100
90	M65	Z	1.688	1.688	0	%100
91	M66	X	-1.048	-1.048	0	%100
92	M66	Z	1.815	1.815	0	%100
93	M67	X	-1.048	-1.048	0	%100
94	M67	Z	1.815	1.815	0	%100
95	M68	X	-1.058	-1.058	0	%100
96	M68	Z	1.833	1.833	0	%100
97	M69	X	-1.058	-1.058	0	%100
98	M69	Z	1.833	1.833	0	%100
99	M70	X	-1.413	-1.413	0	%100
100	M70	Z	2.448	2.448	0	%100
101	M71	X	-1.42	-1.42	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
102	M71	Z	2.46	2.46	0 %100
103	M72	X	-1.524	-1.524	0 %100
104	M72	Z	2.64	2.64	0 %100
105	M73	X	-1.524	-1.524	0 %100
106	M73	Z	2.64	2.64	0 %100
107	M74	X	-1.524	-1.524	0 %100
108	M74	Z	2.64	2.64	0 %100
109	MP5C	X	-1.304	-1.304	0 %100
110	MP5C	Z	2.258	2.258	0 %100
111	MP4C	X	-1.304	-1.304	0 %100
112	MP4C	Z	2.258	2.258	0 %100
113	MP2C	X	-1.304	-1.304	0 %100
114	MP2C	Z	2.258	2.258	0 %100
115	MP5B	X	-1.304	-1.304	0 %100
116	MP5B	Z	2.258	2.258	0 %100
117	MP4B	X	-1.304	-1.304	0 %100
118	MP4B	Z	2.258	2.258	0 %100
119	MP2B	X	-1.304	-1.304	0 %100
120	MP2B	Z	2.258	2.258	0 %100
121	M93	X	-1.483	-1.483	0 %100
122	M93	Z	2.568	2.568	0 %100
123	M94	X	-1.483	-1.483	0 %100
124	M94	Z	2.568	2.568	0 %100
125	EMPTYC	X	-1.304	-1.304	0 %100
126	EMPTYC	Z	2.258	2.258	0 %100
127	RADIOC	X	-1.304	-1.304	0 %100
128	RADIOC	Z	2.258	2.258	0 %100
129	MP3C	X	-1.304	-1.304	0 %100
130	MP3C	Z	2.258	2.258	0 %100
131	M116	X	-1.483	-1.483	0 %100
132	M116	Z	2.568	2.568	0 %100
133	M117	X	-1.483	-1.483	0 %100
134	M117	Z	2.568	2.568	0 %100
135	EMPTYB	X	-1.304	-1.304	0 %100
136	EMPTYB	Z	2.258	2.258	0 %100
137	RADIOB	X	-1.304	-1.304	0 %100
138	RADIOB	Z	2.258	2.258	0 %100
139	MP3B	X	-1.304	-1.304	0 %100
140	MP3B	Z	2.258	2.258	0 %100
141	MP1C	X	-1.304	-1.304	0 %100
142	MP1C	Z	2.258	2.258	0 %100
143	MP1B	X	-1.304	-1.304	0 %100
144	MP1B	Z	2.258	2.258	0 %100
145	M121B	X	-1.415	-1.415	0 %100
146	M121B	Z	2.45	2.45	0 %100
147	M122B	X	-1.386	-1.386	0 %100
148	M122B	Z	2.401	2.401	0 %100
149	M123	X	-1.415	-1.415	0 %100
150	M123	Z	2.45	2.45	0 %100
151	M124A	X	-0.944	-0.944	0 %100
152	M124A	Z	1.635	1.635	0 %100
153	M125B	X	-0.83	-0.83	0 %100
154	M125B	Z	1.437	1.437	0 %100
155	M126A	X	-0.944	-0.944	0 %100
156	M126A	Z	1.635	1.635	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	- .882	- .882	0 %100
2	M1	Z	.509	.509	0 %100
3	FACE	X	- .882	- .882	0 %100
4	FACE	Z	.509	.509	0 %100
5	M3	X	-2.568	-2.568	0 %100
6	M3	Z	1.483	1.483	0 %100
7	M4	X	-2.568	-2.568	0 %100
8	M4	Z	1.483	1.483	0 %100
9	M5	X	-1.907	-1.907	0 %100
10	M5	Z	1.101	1.101	0 %100
11	M6	X	-1.758	-1.758	0 %100
12	M6	Z	1.015	1.015	0 %100
13	M7	X	-1.907	-1.907	0 %100
14	M7	Z	1.101	1.101	0 %100
15	M8	X	-3.53	-3.53	0 %100
16	M8	Z	2.038	2.038	0 %100
17	M9	X	-3.53	-3.53	0 %100
18	M9	Z	2.038	2.038	0 %100
19	M10	X	- .882	- .882	0 %100
20	M10	Z	.509	.509	0 %100
21	M11	X	- .882	- .882	0 %100
22	M11	Z	.509	.509	0 %100
23	M12	X	-2.647	-2.647	0 %100
24	M12	Z	1.528	1.528	0 %100
25	M13	X	-2.647	-2.647	0 %100
26	M13	Z	1.528	1.528	0 %100
27	M16	X	0	0	0 %100
28	M16	Z	0	0	0 %100
29	M17	X	0	0	0 %100
30	M17	Z	0	0	0 %100
31	M20	X	-2.647	-2.647	0 %100
32	M20	Z	1.528	1.528	0 %100
33	M21	X	-2.647	-2.647	0 %100
34	M21	Z	1.528	1.528	0 %100
35	M24	X	- .225	- .225	0 %100
36	M24	Z	.13	.13	0 %100
37	M25	X	- .225	- .225	0 %100
38	M25	Z	.13	.13	0 %100
39	M26	X	- .899	- .899	0 %100
40	M26	Z	.519	.519	0 %100
41	M27	X	- .899	- .899	0 %100
42	M27	Z	.519	.519	0 %100
43	M28	X	- .225	- .225	0 %100
44	M28	Z	.13	.13	0 %100
45	M29	X	- .225	- .225	0 %100
46	M29	Z	.13	.13	0 %100
47	M30	X	-2.247	-2.247	0 %100
48	M30	Z	1.297	1.297	0 %100
49	M31	X	- .821	- .821	0 %100
50	M31	Z	.474	.474	0 %100
51	M32	X	-2.247	-2.247	0 %100
52	M32	Z	1.297	1.297	0 %100
53	EMPTYA	X	-2.258	-2.258	0 %100
54	EMPTYA	Z	1.304	1.304	0 %100
55	RADIOA	X	-2.258	-2.258	0 %100
56	RADIOA	Z	1.304	1.304	0 %100
57	MP3A	X	-2.258	-2.258	0 %100



Company : Colliers Engineering & Design
 Designer : ILR
 Job Number : Project No. 10207443
 Model Name : 5000120998-VZW_MT_LO_H

Aug 1, 2023
 2:48 PM
 Checked By: DX

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft, F...	Start Location[ft, %]	End Location[ft, %]
58	MP3A	Z	1.304	1.304	0 %100
59	MP1A	X	-2.258	-2.258	0 %100
60	MP1A	Z	1.304	1.304	0 %100
61	MP5A	X	-2.258	-2.258	0 %100
62	MP5A	Z	1.304	1.304	0 %100
63	MP4A	X	-2.258	-2.258	0 %100
64	MP4A	Z	1.304	1.304	0 %100
65	MP2A	X	-2.258	-2.258	0 %100
66	MP2A	Z	1.304	1.304	0 %100
67	M54	X	-.584	-.584	0 %100
68	M54	Z	.337	.337	0 %100
69	M55	X	-.584	-.584	0 %100
70	M55	Z	.337	.337	0 %100
71	M56	X	-2.456	-2.456	0 %100
72	M56	Z	1.418	1.418	0 %100
73	M57	X	-2.456	-2.456	0 %100
74	M57	Z	1.418	1.418	0 %100
75	M58	X	-1.926	-1.926	0 %100
76	M58	Z	1.112	1.112	0 %100
77	M59	X	-2.722	-2.722	0 %100
78	M59	Z	1.572	1.572	0 %100
79	M60	X	-.648	-.648	0 %100
80	M60	Z	.374	.374	0 %100
81	M61	X	-.648	-.648	0 %100
82	M61	Z	.374	.374	0 %100
83	M62	X	-.624	-.624	0 %100
84	M62	Z	.36	.36	0 %100
85	M63	X	-.624	-.624	0 %100
86	M63	Z	.36	.36	0 %100
87	M64	X	-1.953	-1.953	0 %100
88	M64	Z	1.128	1.128	0 %100
89	M65	X	-1.95	-1.95	0 %100
90	M65	Z	1.126	1.126	0 %100
91	M66	X	-2.462	-2.462	0 %100
92	M66	Z	1.421	1.421	0 %100
93	M67	X	-2.462	-2.462	0 %100
94	M67	Z	1.421	1.421	0 %100
95	M68	X	-.605	-.605	0 %100
96	M68	Z	.349	.349	0 %100
97	M69	X	-.605	-.605	0 %100
98	M69	Z	.349	.349	0 %100
99	M70	X	-2.722	-2.722	0 %100
100	M70	Z	1.571	1.571	0 %100
101	M71	X	-1.942	-1.942	0 %100
102	M71	Z	1.121	1.121	0 %100
103	M72	X	-2.64	-2.64	0 %100
104	M72	Z	1.524	1.524	0 %100
105	M73	X	-2.64	-2.64	0 %100
106	M73	Z	1.524	1.524	0 %100
107	M74	X	-2.64	-2.64	0 %100
108	M74	Z	1.524	1.524	0 %100
109	MP5C	X	-2.258	-2.258	0 %100
110	MP5C	Z	1.304	1.304	0 %100
111	MP4C	X	-2.258	-2.258	0 %100
112	MP4C	Z	1.304	1.304	0 %100
113	MP2C	X	-2.258	-2.258	0 %100
114	MP2C	Z	1.304	1.304	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	MP5B	X	-2.258	-2.258	0	%100
116	MP5B	Z	1.304	1.304	0	%100
117	MP4B	X	-2.258	-2.258	0	%100
118	MP4B	Z	1.304	1.304	0	%100
119	MP2B	X	-2.258	-2.258	0	%100
120	MP2B	Z	1.304	1.304	0	%100
121	M93	X	-2.568	-2.568	0	%100
122	M93	Z	1.483	1.483	0	%100
123	M94	X	-2.568	-2.568	0	%100
124	M94	Z	1.483	1.483	0	%100
125	EMPTYC	X	-2.258	-2.258	0	%100
126	EMPTYC	Z	1.304	1.304	0	%100
127	RADIOC	X	-2.258	-2.258	0	%100
128	RADIOC	Z	1.304	1.304	0	%100
129	MP3C	X	-2.258	-2.258	0	%100
130	MP3C	Z	1.304	1.304	0	%100
131	M116	X	-2.568	-2.568	0	%100
132	M116	Z	1.483	1.483	0	%100
133	M117	X	-2.568	-2.568	0	%100
134	M117	Z	1.483	1.483	0	%100
135	EMPTYB	X	-2.258	-2.258	0	%100
136	EMPTYB	Z	1.304	1.304	0	%100
137	RADIOB	X	-2.258	-2.258	0	%100
138	RADIOB	Z	1.304	1.304	0	%100
139	MP3B	X	-2.258	-2.258	0	%100
140	MP3B	Z	1.304	1.304	0	%100
141	MP1C	X	-2.258	-2.258	0	%100
142	MP1C	Z	1.304	1.304	0	%100
143	MP1B	X	-2.258	-2.258	0	%100
144	MP1B	Z	1.304	1.304	0	%100
145	M121B	X	-2.722	-2.722	0	%100
146	M121B	Z	1.572	1.572	0	%100
147	M122B	X	-2.722	-2.722	0	%100
148	M122B	Z	1.572	1.572	0	%100
149	M123	X	-2.722	-2.722	0	%100
150	M123	Z	1.572	1.572	0	%100
151	M124A	X	-1.907	-1.907	0	%100
152	M124A	Z	1.101	1.101	0	%100
153	M125B	X	-1.758	-1.758	0	%100
154	M125B	Z	1.015	1.015	0	%100
155	M126A	X	-1.907	-1.907	0	%100
156	M126A	Z	1.101	1.101	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	FACE	X	0	0	0	%100
4	FACE	Z	0	0	0	%100
5	M3	X	-2.966	-2.966	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-2.966	-2.966	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-1.888	-1.888	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-1.659	-1.659	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
12	M6	Z	0	0	0	%100
13	M7	X	-1.888	-1.888	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-3.057	-3.057	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-3.057	-3.057	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-3.057	-3.057	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-3.057	-3.057	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-4.076	-4.076	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	-4.076	-4.076	0	%100
26	M13	Z	0	0	0	%100
27	M16	X	-1.019	-1.019	0	%100
28	M16	Z	0	0	0	%100
29	M17	X	-1.019	-1.019	0	%100
30	M17	Z	0	0	0	%100
31	M20	X	-1.019	-1.019	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-1.019	-1.019	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	M25	X	0	0	0	%100
38	M25	Z	0	0	0	%100
39	M26	X	-0.779	-0.779	0	%100
40	M26	Z	0	0	0	%100
41	M27	X	-0.779	-0.779	0	%100
42	M27	Z	0	0	0	%100
43	M28	X	-0.779	-0.779	0	%100
44	M28	Z	0	0	0	%100
45	M29	X	-0.779	-0.779	0	%100
46	M29	Z	0	0	0	%100
47	M30	X	-3.143	-3.143	0	%100
48	M30	Z	0	0	0	%100
49	M31	X	-1.497	-1.497	0	%100
50	M31	Z	0	0	0	%100
51	M32	X	-1.497	-1.497	0	%100
52	M32	Z	0	0	0	%100
53	EMPTYA	X	-2.607	-2.607	0	%100
54	EMPTYA	Z	0	0	0	%100
55	RADIOA	X	-2.607	-2.607	0	%100
56	RADIOA	Z	0	0	0	%100
57	MP3A	X	-2.607	-2.607	0	%100
58	MP3A	Z	0	0	0	%100
59	MP1A	X	-2.607	-2.607	0	%100
60	MP1A	Z	0	0	0	%100
61	MP5A	X	-2.607	-2.607	0	%100
62	MP5A	Z	0	0	0	%100
63	MP4A	X	-2.607	-2.607	0	%100
64	MP4A	Z	0	0	0	%100
65	MP2A	X	-2.607	-2.607	0	%100
66	MP2A	Z	0	0	0	%100
67	M54	X	-2.095	-2.095	0	%100
68	M54	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
126	EMPTYC	Z	0	0	0	%100
127	RADIOC	X	-2.607	-2.607	0	%100
128	RADIOC	Z	0	0	0	%100
129	MP3C	X	-2.607	-2.607	0	%100
130	MP3C	Z	0	0	0	%100
131	M116	X	-2.966	-2.966	0	%100
132	M116	Z	0	0	0	%100
133	M117	X	-2.966	-2.966	0	%100
134	M117	Z	0	0	0	%100
135	EMPTYB	X	-2.607	-2.607	0	%100
136	EMPTYB	Z	0	0	0	%100
137	RADIOB	X	-2.607	-2.607	0	%100
138	RADIOB	Z	0	0	0	%100
139	MP3B	X	-2.607	-2.607	0	%100
140	MP3B	Z	0	0	0	%100
141	MP1C	X	-2.607	-2.607	0	%100
142	MP1C	Z	0	0	0	%100
143	MP1B	X	-2.607	-2.607	0	%100
144	MP1B	Z	0	0	0	%100
145	M121B	X	-2.829	-2.829	0	%100
146	M121B	Z	0	0	0	%100
147	M122B	X	-2.772	-2.772	0	%100
148	M122B	Z	0	0	0	%100
149	M123	X	-2.829	-2.829	0	%100
150	M123	Z	0	0	0	%100
151	M124A	X	-2.829	-2.829	0	%100
152	M124A	Z	0	0	0	%100
153	M125B	X	-2.772	-2.772	0	%100
154	M125B	Z	0	0	0	%100
155	M126A	X	-2.829	-2.829	0	%100
156	M126A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	-0.882	-0.882	0	%100
2	M1	Z	-0.509	-0.509	0	%100
3	FACE	X	-0.882	-0.882	0	%100
4	FACE	Z	-0.509	-0.509	0	%100
5	M3	X	-2.568	-2.568	0	%100
6	M3	Z	-1.483	-1.483	0	%100
7	M4	X	-2.568	-2.568	0	%100
8	M4	Z	-1.483	-1.483	0	%100
9	M5	X	-1.907	-1.907	0	%100
10	M5	Z	-1.101	-1.101	0	%100
11	M6	X	-1.758	-1.758	0	%100
12	M6	Z	-1.015	-1.015	0	%100
13	M7	X	-1.907	-1.907	0	%100
14	M7	Z	-1.101	-1.101	0	%100
15	M8	X	-0.882	-0.882	0	%100
16	M8	Z	-0.509	-0.509	0	%100
17	M9	X	-0.882	-0.882	0	%100
18	M9	Z	-0.509	-0.509	0	%100
19	M10	X	-3.53	-3.53	0	%100
20	M10	Z	-2.038	-2.038	0	%100
21	M11	X	-3.53	-3.53	0	%100
22	M11	Z	-2.038	-2.038	0	%100



Company : Colliers Engineering & Design
 Designer : ILR
 Job Number : Project No. 10207443
 Model Name : 5000120998-VZW_MT_LO_H

Aug 1, 2023
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 Checked By: DX

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
23	M12	X	-2.647	-2.647	0 %100
24	M12	Z	-1.528	-1.528	0 %100
25	M13	X	-2.647	-2.647	0 %100
26	M13	Z	-1.528	-1.528	0 %100
27	M16	X	-2.647	-2.647	0 %100
28	M16	Z	-1.528	-1.528	0 %100
29	M17	X	-2.647	-2.647	0 %100
30	M17	Z	-1.528	-1.528	0 %100
31	M20	X	0	0	0 %100
32	M20	Z	0	0	0 %100
33	M21	X	0	0	0 %100
34	M21	Z	0	0	0 %100
35	M24	X	-.225	-.225	0 %100
36	M24	Z	-.13	-.13	0 %100
37	M25	X	-.225	-.225	0 %100
38	M25	Z	-.13	-.13	0 %100
39	M26	X	-.225	-.225	0 %100
40	M26	Z	-.13	-.13	0 %100
41	M27	X	-.225	-.225	0 %100
42	M27	Z	-.13	-.13	0 %100
43	M28	X	-.899	-.899	0 %100
44	M28	Z	-.519	-.519	0 %100
45	M29	X	-.899	-.899	0 %100
46	M29	Z	-.519	-.519	0 %100
47	M30	X	-2.247	-2.247	0 %100
48	M30	Z	-1.297	-1.297	0 %100
49	M31	X	-2.247	-2.247	0 %100
50	M31	Z	-1.297	-1.297	0 %100
51	M32	X	-.821	-.821	0 %100
52	M32	Z	-.474	-.474	0 %100
53	EMPTYA	X	-2.258	-2.258	0 %100
54	EMPTYA	Z	-1.304	-1.304	0 %100
55	RADIOA	X	-2.258	-2.258	0 %100
56	RADIOA	Z	-1.304	-1.304	0 %100
57	MP3A	X	-2.258	-2.258	0 %100
58	MP3A	Z	-1.304	-1.304	0 %100
59	MP1A	X	-2.258	-2.258	0 %100
60	MP1A	Z	-1.304	-1.304	0 %100
61	MP5A	X	-2.258	-2.258	0 %100
62	MP5A	Z	-1.304	-1.304	0 %100
63	MP4A	X	-2.258	-2.258	0 %100
64	MP4A	Z	-1.304	-1.304	0 %100
65	MP2A	X	-2.258	-2.258	0 %100
66	MP2A	Z	-1.304	-1.304	0 %100
67	M54	X	-2.462	-2.462	0 %100
68	M54	Z	-1.421	-1.421	0 %100
69	M55	X	-2.462	-2.462	0 %100
70	M55	Z	-1.421	-1.421	0 %100
71	M56	X	-.605	-.605	0 %100
72	M56	Z	-.349	-.349	0 %100
73	M57	X	-.605	-.605	0 %100
74	M57	Z	-.349	-.349	0 %100
75	M58	X	-2.722	-2.722	0 %100
76	M58	Z	-1.571	-1.571	0 %100
77	M59	X	-1.942	-1.942	0 %100
78	M59	Z	-1.121	-1.121	0 %100
79	M60	X	-.584	-.584	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
80	M60	Z	-.337	-.337	0	%100
81	M61	X	-.584	-.584	0	%100
82	M61	Z	-.337	-.337	0	%100
83	M62	X	-2.456	-2.456	0	%100
84	M62	Z	-1.418	-1.418	0	%100
85	M63	X	-2.456	-2.456	0	%100
86	M63	Z	-1.418	-1.418	0	%100
87	M64	X	-1.926	-1.926	0	%100
88	M64	Z	-1.112	-1.112	0	%100
89	M65	X	-2.722	-2.722	0	%100
90	M65	Z	-1.572	-1.572	0	%100
91	M66	X	-.648	-.648	0	%100
92	M66	Z	-.374	-.374	0	%100
93	M67	X	-.648	-.648	0	%100
94	M67	Z	-.374	-.374	0	%100
95	M68	X	-.624	-.624	0	%100
96	M68	Z	-.36	-.36	0	%100
97	M69	X	-.624	-.624	0	%100
98	M69	Z	-.36	-.36	0	%100
99	M70	X	-1.953	-1.953	0	%100
100	M70	Z	-1.128	-1.128	0	%100
101	M71	X	-1.95	-1.95	0	%100
102	M71	Z	-1.126	-1.126	0	%100
103	M72	X	-2.64	-2.64	0	%100
104	M72	Z	-1.524	-1.524	0	%100
105	M73	X	-2.64	-2.64	0	%100
106	M73	Z	-1.524	-1.524	0	%100
107	M74	X	-2.64	-2.64	0	%100
108	M74	Z	-1.524	-1.524	0	%100
109	MP5C	X	-2.258	-2.258	0	%100
110	MP5C	Z	-1.304	-1.304	0	%100
111	MP4C	X	-2.258	-2.258	0	%100
112	MP4C	Z	-1.304	-1.304	0	%100
113	MP2C	X	-2.258	-2.258	0	%100
114	MP2C	Z	-1.304	-1.304	0	%100
115	MP5B	X	-2.258	-2.258	0	%100
116	MP5B	Z	-1.304	-1.304	0	%100
117	MP4B	X	-2.258	-2.258	0	%100
118	MP4B	Z	-1.304	-1.304	0	%100
119	MP2B	X	-2.258	-2.258	0	%100
120	MP2B	Z	-1.304	-1.304	0	%100
121	M93	X	-2.568	-2.568	0	%100
122	M93	Z	-1.483	-1.483	0	%100
123	M94	X	-2.568	-2.568	0	%100
124	M94	Z	-1.483	-1.483	0	%100
125	EMPTYC	X	-2.258	-2.258	0	%100
126	EMPTYC	Z	-1.304	-1.304	0	%100
127	RADIOC	X	-2.258	-2.258	0	%100
128	RADIOC	Z	-1.304	-1.304	0	%100
129	MP3C	X	-2.258	-2.258	0	%100
130	MP3C	Z	-1.304	-1.304	0	%100
131	M116	X	-2.568	-2.568	0	%100
132	M116	Z	-1.483	-1.483	0	%100
133	M117	X	-2.568	-2.568	0	%100
134	M117	Z	-1.483	-1.483	0	%100
135	EMPTYB	X	-2.258	-2.258	0	%100
136	EMPTYB	Z	-1.304	-1.304	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
137	RADIOB	X	-2.258	-2.258	0 %100
138	RADIOB	Z	-1.304	-1.304	0 %100
139	MP3B	X	-2.258	-2.258	0 %100
140	MP3B	Z	-1.304	-1.304	0 %100
141	MP1C	X	-2.258	-2.258	0 %100
142	MP1C	Z	-1.304	-1.304	0 %100
143	MP1B	X	-2.258	-2.258	0 %100
144	MP1B	Z	-1.304	-1.304	0 %100
145	M121B	X	-1.907	-1.907	0 %100
146	M121B	Z	-1.101	-1.101	0 %100
147	M122B	X	-1.758	-1.758	0 %100
148	M122B	Z	-1.015	-1.015	0 %100
149	M123	X	-1.907	-1.907	0 %100
150	M123	Z	-1.101	-1.101	0 %100
151	M124A	X	-2.722	-2.722	0 %100
152	M124A	Z	-1.572	-1.572	0 %100
153	M125B	X	-2.722	-2.722	0 %100
154	M125B	Z	-1.572	-1.572	0 %100
155	M126A	X	-2.722	-2.722	0 %100
156	M126A	Z	-1.572	-1.572	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	-1.528	-1.528	0 %100
2	M1	Z	-2.647	-2.647	0 %100
3	FACE	X	-1.528	-1.528	0 %100
4	FACE	Z	-2.647	-2.647	0 %100
5	M3	X	-1.483	-1.483	0 %100
6	M3	Z	-2.568	-2.568	0 %100
7	M4	X	-1.483	-1.483	0 %100
8	M4	Z	-2.568	-2.568	0 %100
9	M5	X	-1.415	-1.415	0 %100
10	M5	Z	-2.45	-2.45	0 %100
11	M6	X	-1.386	-1.386	0 %100
12	M6	Z	-2.401	-2.401	0 %100
13	M7	X	-1.415	-1.415	0 %100
14	M7	Z	-2.45	-2.45	0 %100
15	M8	X	0	0	0 %100
16	M8	Z	0	0	0 %100
17	M9	X	0	0	0 %100
18	M9	Z	0	0	0 %100
19	M10	X	-1.528	-1.528	0 %100
20	M10	Z	-2.647	-2.647	0 %100
21	M11	X	-1.528	-1.528	0 %100
22	M11	Z	-2.647	-2.647	0 %100
23	M12	X	-.509	-.509	0 %100
24	M12	Z	-.882	-.882	0 %100
25	M13	X	-.509	-.509	0 %100
26	M13	Z	-.882	-.882	0 %100
27	M16	X	-2.038	-2.038	0 %100
28	M16	Z	-3.53	-3.53	0 %100
29	M17	X	-2.038	-2.038	0 %100
30	M17	Z	-3.53	-3.53	0 %100
31	M20	X	-.509	-.509	0 %100
32	M20	Z	-.882	-.882	0 %100
33	M21	X	-.509	-.509	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
91	M66	X	-0.00316	-0.00316	0 %100
92	M66	Z	-0.00547	-0.00547	0 %100
93	M67	X	-0.00316	-0.00316	0 %100
94	M67	Z	-0.00547	-0.00547	0 %100
95	M68	X	-1.069	-1.069	0 %100
96	M68	Z	-1.852	-1.852	0 %100
97	M69	X	-1.069	-1.069	0 %100
98	M69	Z	-1.852	-1.852	0 %100
99	M70	X	-0.969	-0.969	0 %100
100	M70	Z	-1.679	-1.679	0 %100
101	M71	X	-1.425	-1.425	0 %100
102	M71	Z	-2.468	-2.468	0 %100
103	M72	X	-1.524	-1.524	0 %100
104	M72	Z	-2.64	-2.64	0 %100
105	M73	X	-1.524	-1.524	0 %100
106	M73	Z	-2.64	-2.64	0 %100
107	M74	X	-1.524	-1.524	0 %100
108	M74	Z	-2.64	-2.64	0 %100
109	MP5C	X	-1.304	-1.304	0 %100
110	MP5C	Z	-2.258	-2.258	0 %100
111	MP4C	X	-1.304	-1.304	0 %100
112	MP4C	Z	-2.258	-2.258	0 %100
113	MP2C	X	-1.304	-1.304	0 %100
114	MP2C	Z	-2.258	-2.258	0 %100
115	MP5B	X	-1.304	-1.304	0 %100
116	MP5B	Z	-2.258	-2.258	0 %100
117	MP4B	X	-1.304	-1.304	0 %100
118	MP4B	Z	-2.258	-2.258	0 %100
119	MP2B	X	-1.304	-1.304	0 %100
120	MP2B	Z	-2.258	-2.258	0 %100
121	M93	X	-1.483	-1.483	0 %100
122	M93	Z	-2.568	-2.568	0 %100
123	M94	X	-1.483	-1.483	0 %100
124	M94	Z	-2.568	-2.568	0 %100
125	EMPTYC	X	-1.304	-1.304	0 %100
126	EMPTYC	Z	-2.258	-2.258	0 %100
127	RADIOC	X	-1.304	-1.304	0 %100
128	RADIOC	Z	-2.258	-2.258	0 %100
129	MP3C	X	-1.304	-1.304	0 %100
130	MP3C	Z	-2.258	-2.258	0 %100
131	M116	X	-1.483	-1.483	0 %100
132	M116	Z	-2.568	-2.568	0 %100
133	M117	X	-1.483	-1.483	0 %100
134	M117	Z	-2.568	-2.568	0 %100
135	EMPTYB	X	-1.304	-1.304	0 %100
136	EMPTYB	Z	-2.258	-2.258	0 %100
137	RADIOB	X	-1.304	-1.304	0 %100
138	RADIOB	Z	-2.258	-2.258	0 %100
139	MP3B	X	-1.304	-1.304	0 %100
140	MP3B	Z	-2.258	-2.258	0 %100
141	MP1C	X	-1.304	-1.304	0 %100
142	MP1C	Z	-2.258	-2.258	0 %100
143	MP1B	X	-1.304	-1.304	0 %100
144	MP1B	Z	-2.258	-2.258	0 %100
145	M121B	X	-0.944	-0.944	0 %100
146	M121B	Z	-1.635	-1.635	0 %100
147	M122B	X	-0.83	-0.83	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]	
45	M29	X	0	0	0	%100
46	M29	Z	-0.025	-0.025	0	%100
47	M30	X	0	0	0	%100
48	M30	Z	-0.202	-0.202	0	%100
49	M31	X	0	0	0	%100
50	M31	Z	-0.554	-0.554	0	%100
51	M32	X	0	0	0	%100
52	M32	Z	-0.554	-0.554	0	%100
53	EMPTYA	X	0	0	0	%100
54	EMPTYA	Z	-0.478	-0.478	0	%100
55	RADIOA	X	0	0	0	%100
56	RADIOA	Z	-0.478	-0.478	0	%100
57	MP3A	X	0	0	0	%100
58	MP3A	Z	-0.478	-0.478	0	%100
59	MP1A	X	0	0	0	%100
60	MP1A	Z	-0.478	-0.478	0	%100
61	MP5A	X	0	0	0	%100
62	MP5A	Z	-0.478	-0.478	0	%100
63	MP4A	X	0	0	0	%100
64	MP4A	Z	-0.478	-0.478	0	%100
65	MP2A	X	0	0	0	%100
66	MP2A	Z	-0.478	-0.478	0	%100
67	M54	X	0	0	0	%100
68	M54	Z	-0.164	-0.164	0	%100
69	M55	X	0	0	0	%100
70	M55	Z	-0.164	-0.164	0	%100
71	M56	X	0	0	0	%100
72	M56	Z	-0.158	-0.158	0	%100
73	M57	X	0	0	0	%100
74	M57	Z	-0.158	-0.158	0	%100
75	M58	X	0	0	0	%100
76	M58	Z	-0.482	-0.482	0	%100
77	M59	X	0	0	0	%100
78	M59	Z	-0.481	-0.481	0	%100
79	M60	X	0	0	0	%100
80	M60	Z	-0.622	-0.622	0	%100
81	M61	X	0	0	0	%100
82	M61	Z	-0.622	-0.622	0	%100
83	M62	X	0	0	0	%100
84	M62	Z	-0.153	-0.153	0	%100
85	M63	X	0	0	0	%100
86	M63	Z	-0.153	-0.153	0	%100
87	M64	X	0	0	0	%100
88	M64	Z	-0.671	-0.671	0	%100
89	M65	X	0	0	0	%100
90	M65	Z	-0.479	-0.479	0	%100
91	M66	X	0	0	0	%100
92	M66	Z	-0.148	-0.148	0	%100
93	M67	X	0	0	0	%100
94	M67	Z	-0.148	-0.148	0	%100
95	M68	X	0	0	0	%100
96	M68	Z	-0.621	-0.621	0	%100
97	M69	X	0	0	0	%100
98	M69	Z	-0.621	-0.621	0	%100
99	M70	X	0	0	0	%100
100	M70	Z	-0.475	-0.475	0	%100
101	M71	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
102	M71	Z	-671	-671	0 %100
103	M72	X	0	0	0 %100
104	M72	Z	-625	-625	0 %100
105	M73	X	0	0	0 %100
106	M73	Z	-625	-625	0 %100
107	M74	X	0	0	0 %100
108	M74	Z	-625	-625	0 %100
109	MP5C	X	0	0	0 %100
110	MP5C	Z	-478	-478	0 %100
111	MP4C	X	0	0	0 %100
112	MP4C	Z	-478	-478	0 %100
113	MP2C	X	0	0	0 %100
114	MP2C	Z	-478	-478	0 %100
115	MP5B	X	0	0	0 %100
116	MP5B	Z	-478	-478	0 %100
117	MP4B	X	0	0	0 %100
118	MP4B	Z	-478	-478	0 %100
119	MP2B	X	0	0	0 %100
120	MP2B	Z	-478	-478	0 %100
121	M93	X	0	0	0 %100
122	M93	Z	-649	-649	0 %100
123	M94	X	0	0	0 %100
124	M94	Z	-649	-649	0 %100
125	EMPTYC	X	0	0	0 %100
126	EMPTYC	Z	-478	-478	0 %100
127	RADIOC	X	0	0	0 %100
128	RADIOC	Z	-478	-478	0 %100
129	MP3C	X	0	0	0 %100
130	MP3C	Z	-478	-478	0 %100
131	M116	X	0	0	0 %100
132	M116	Z	-649	-649	0 %100
133	M117	X	0	0	0 %100
134	M117	Z	-649	-649	0 %100
135	EMPTYB	X	0	0	0 %100
136	EMPTYB	Z	-478	-478	0 %100
137	RADIOB	X	0	0	0 %100
138	RADIOB	Z	-478	-478	0 %100
139	MP3B	X	0	0	0 %100
140	MP3B	Z	-478	-478	0 %100
141	MP1C	X	0	0	0 %100
142	MP1C	Z	-478	-478	0 %100
143	MP1B	X	0	0	0 %100
144	MP1B	Z	-478	-478	0 %100
145	M121B	X	0	0	0 %100
146	M121B	Z	-47	-47	0 %100
147	M122B	X	0	0	0 %100
148	M122B	Z	-434	-434	0 %100
149	M123	X	0	0	0 %100
150	M123	Z	-47	-47	0 %100
151	M124A	X	0	0	0 %100
152	M124A	Z	-47	-47	0 %100
153	M125B	X	0	0	0 %100
154	M125B	Z	-434	-434	0 %100
155	M126A	X	0	0	0 %100
156	M126A	Z	-47	-47	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.378	.378	0	%100
2	M1	Z	-.654	-.654	0	%100
3	FACE	X	.378	.378	0	%100
4	FACE	Z	-.654	-.654	0	%100
5	M3	X	.324	.324	0	%100
6	M3	Z	-.562	-.562	0	%100
7	M4	X	.324	.324	0	%100
8	M4	Z	-.562	-.562	0	%100
9	M5	X	.302	.302	0	%100
10	M5	Z	-.523	-.523	0	%100
11	M6	X	.296	.296	0	%100
12	M6	Z	-.513	-.513	0	%100
13	M7	X	.302	.302	0	%100
14	M7	Z	-.523	-.523	0	%100
15	M8	X	.378	.378	0	%100
16	M8	Z	-.654	-.654	0	%100
17	M9	X	.378	.378	0	%100
18	M9	Z	-.654	-.654	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	.126	.126	0	%100
24	M12	Z	-.218	-.218	0	%100
25	M13	X	.126	.126	0	%100
26	M13	Z	-.218	-.218	0	%100
27	M16	X	.126	.126	0	%100
28	M16	Z	-.218	-.218	0	%100
29	M17	X	.126	.126	0	%100
30	M17	Z	-.218	-.218	0	%100
31	M20	X	.504	.504	0	%100
32	M20	Z	-.872	-.872	0	%100
33	M21	X	.504	.504	0	%100
34	M21	Z	-.872	-.872	0	%100
35	M24	X	.038	.038	0	%100
36	M24	Z	-.065	-.065	0	%100
37	M25	X	.038	.038	0	%100
38	M25	Z	-.065	-.065	0	%100
39	M26	X	.038	.038	0	%100
40	M26	Z	-.065	-.065	0	%100
41	M27	X	.038	.038	0	%100
42	M27	Z	-.065	-.065	0	%100
43	M28	X	0	0	0	%100
44	M28	Z	0	0	0	%100
45	M29	X	0	0	0	%100
46	M29	Z	0	0	0	%100
47	M30	X	.16	.16	0	%100
48	M30	Z	-.277	-.277	0	%100
49	M31	X	.16	.16	0	%100
50	M31	Z	-.277	-.277	0	%100
51	M32	X	.336	.336	0	%100
52	M32	Z	-.581	-.581	0	%100
53	EMPTYA	X	.239	.239	0	%100
54	EMPTYA	Z	-.414	-.414	0	%100
55	RADIOA	X	.239	.239	0	%100
56	RADIOA	Z	-.414	-.414	0	%100
57	MP3A	X	.239	.239	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
115	MP5B	X	.239	.239	0 %100
116	MP5B	Z	-.414	-.414	0 %100
117	MP4B	X	.239	.239	0 %100
118	MP4B	Z	-.414	-.414	0 %100
119	MP2B	X	.239	.239	0 %100
120	MP2B	Z	-.414	-.414	0 %100
121	M93	X	.324	.324	0 %100
122	M93	Z	-.562	-.562	0 %100
123	M94	X	.324	.324	0 %100
124	M94	Z	-.562	-.562	0 %100
125	EMPTYC	X	.239	.239	0 %100
126	EMPTYC	Z	-.414	-.414	0 %100
127	RADIOC	X	.239	.239	0 %100
128	RADIOC	Z	-.414	-.414	0 %100
129	MP3C	X	.239	.239	0 %100
130	MP3C	Z	-.414	-.414	0 %100
131	M116	X	.324	.324	0 %100
132	M116	Z	-.562	-.562	0 %100
133	M117	X	.324	.324	0 %100
134	M117	Z	-.562	-.562	0 %100
135	EMPTYB	X	.239	.239	0 %100
136	EMPTYB	Z	-.414	-.414	0 %100
137	RADIOB	X	.239	.239	0 %100
138	RADIOB	Z	-.414	-.414	0 %100
139	MP3B	X	.239	.239	0 %100
140	MP3B	Z	-.414	-.414	0 %100
141	MP1C	X	.239	.239	0 %100
142	MP1C	Z	-.414	-.414	0 %100
143	MP1B	X	.239	.239	0 %100
144	MP1B	Z	-.414	-.414	0 %100
145	M121B	X	.302	.302	0 %100
146	M121B	Z	-.523	-.523	0 %100
147	M122B	X	.296	.296	0 %100
148	M122B	Z	-.513	-.513	0 %100
149	M123	X	.302	.302	0 %100
150	M123	Z	-.523	-.523	0 %100
151	M124A	X	.202	.202	0 %100
152	M124A	Z	-.349	-.349	0 %100
153	M125B	X	.177	.177	0 %100
154	M125B	Z	-.307	-.307	0 %100
155	M126A	X	.202	.202	0 %100
156	M126A	Z	-.349	-.349	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
1	M1	X	.218	.218	0 %100
2	M1	Z	-.126	-.126	0 %100
3	FACE	X	.218	.218	0 %100
4	FACE	Z	-.126	-.126	0 %100
5	M3	X	.562	.562	0 %100
6	M3	Z	-.324	-.324	0 %100
7	M4	X	.562	.562	0 %100
8	M4	Z	-.324	-.324	0 %100
9	M5	X	.407	.407	0 %100
10	M5	Z	-.235	-.235	0 %100
11	M6	X	.376	.376	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
23	M12	X	1.007	1.007	0 %100
24	M12	Z	0	0	0 %100
25	M13	X	1.007	1.007	0 %100
26	M13	Z	0	0	0 %100
27	M16	X	.252	.252	0 %100
28	M16	Z	0	0	0 %100
29	M17	X	.252	.252	0 %100
30	M17	Z	0	0	0 %100
31	M20	X	.252	.252	0 %100
32	M20	Z	0	0	0 %100
33	M21	X	.252	.252	0 %100
34	M21	Z	0	0	0 %100
35	M24	X	0	0	0 %100
36	M24	Z	0	0	0 %100
37	M25	X	0	0	0 %100
38	M25	Z	0	0	0 %100
39	M26	X	.076	.076	0 %100
40	M26	Z	0	0	0 %100
41	M27	X	.076	.076	0 %100
42	M27	Z	0	0	0 %100
43	M28	X	.076	.076	0 %100
44	M28	Z	0	0	0 %100
45	M29	X	.076	.076	0 %100
46	M29	Z	0	0	0 %100
47	M30	X	.671	.671	0 %100
48	M30	Z	0	0	0 %100
49	M31	X	.32	.32	0 %100
50	M31	Z	0	0	0 %100
51	M32	X	.32	.32	0 %100
52	M32	Z	0	0	0 %100
53	EMPTYA	X	.478	.478	0 %100
54	EMPTYA	Z	0	0	0 %100
55	RADIOA	X	.478	.478	0 %100
56	RADIOA	Z	0	0	0 %100
57	MP3A	X	.478	.478	0 %100
58	MP3A	Z	0	0	0 %100
59	MP1A	X	.478	.478	0 %100
60	MP1A	Z	0	0	0 %100
61	MP5A	X	.478	.478	0 %100
62	MP5A	Z	0	0	0 %100
63	MP4A	X	.478	.478	0 %100
64	MP4A	Z	0	0	0 %100
65	MP2A	X	.478	.478	0 %100
66	MP2A	Z	0	0	0 %100
67	M54	X	.459	.459	0 %100
68	M54	Z	0	0	0 %100
69	M55	X	.459	.459	0 %100
70	M55	Z	0	0	0 %100
71	M56	X	.463	.463	0 %100
72	M56	Z	0	0	0 %100
73	M57	X	.463	.463	0 %100
74	M57	Z	0	0	0 %100
75	M58	X	.604	.604	0 %100
76	M58	Z	0	0	0 %100
77	M59	X	.607	.607	0 %100
78	M59	Z	0	0	0 %100
79	M60	X	.000138	.000138	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
80	M60	Z	0	0	0	%100
81	M61	X	.000138	.000138	0	%100
82	M61	Z	0	0	0	%100
83	M62	X	.468	.468	0	%100
84	M62	Z	0	0	0	%100
85	M63	X	.468	.468	0	%100
86	M63	Z	0	0	0	%100
87	M64	X	.414	.414	0	%100
88	M64	Z	0	0	0	%100
89	M65	X	.609	.609	0	%100
90	M65	Z	0	0	0	%100
91	M66	X	.475	.475	0	%100
92	M66	Z	0	0	0	%100
93	M67	X	.475	.475	0	%100
94	M67	Z	0	0	0	%100
95	M68	X	1.2e-5	1.2e-5	0	%100
96	M68	Z	0	0	0	%100
97	M69	X	1.2e-5	1.2e-5	0	%100
98	M69	Z	0	0	0	%100
99	M70	X	.61	.61	0	%100
100	M70	Z	0	0	0	%100
101	M71	X	.416	.416	0	%100
102	M71	Z	0	0	0	%100
103	M72	X	.625	.625	0	%100
104	M72	Z	0	0	0	%100
105	M73	X	.625	.625	0	%100
106	M73	Z	0	0	0	%100
107	M74	X	.625	.625	0	%100
108	M74	Z	0	0	0	%100
109	MP5C	X	.478	.478	0	%100
110	MP5C	Z	0	0	0	%100
111	MP4C	X	.478	.478	0	%100
112	MP4C	Z	0	0	0	%100
113	MP2C	X	.478	.478	0	%100
114	MP2C	Z	0	0	0	%100
115	MP5B	X	.478	.478	0	%100
116	MP5B	Z	0	0	0	%100
117	MP4B	X	.478	.478	0	%100
118	MP4B	Z	0	0	0	%100
119	MP2B	X	.478	.478	0	%100
120	MP2B	Z	0	0	0	%100
121	M93	X	.649	.649	0	%100
122	M93	Z	0	0	0	%100
123	M94	X	.649	.649	0	%100
124	M94	Z	0	0	0	%100
125	EMPTYC	X	.478	.478	0	%100
126	EMPTYC	Z	0	0	0	%100
127	RADIOC	X	.478	.478	0	%100
128	RADIOC	Z	0	0	0	%100
129	MP3C	X	.478	.478	0	%100
130	MP3C	Z	0	0	0	%100
131	M116	X	.649	.649	0	%100
132	M116	Z	0	0	0	%100
133	M117	X	.649	.649	0	%100
134	M117	Z	0	0	0	%100
135	EMPTYB	X	.478	.478	0	%100
136	EMPTYB	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
34	M21	Z	0	0	0	%100
35	M24	X	.022	.022	0	%100
36	M24	Z	.013	.013	0	%100
37	M25	X	.022	.022	0	%100
38	M25	Z	.013	.013	0	%100
39	M26	X	.022	.022	0	%100
40	M26	Z	.013	.013	0	%100
41	M27	X	.022	.022	0	%100
42	M27	Z	.013	.013	0	%100
43	M28	X	.087	.087	0	%100
44	M28	Z	.05	.05	0	%100
45	M29	X	.087	.087	0	%100
46	M29	Z	.05	.05	0	%100
47	M30	X	.48	.48	0	%100
48	M30	Z	.277	.277	0	%100
49	M31	X	.48	.48	0	%100
50	M31	Z	.277	.277	0	%100
51	M32	X	.175	.175	0	%100
52	M32	Z	.101	.101	0	%100
53	EMPTYA	X	.414	.414	0	%100
54	EMPTYA	Z	.239	.239	0	%100
55	RADIOA	X	.414	.414	0	%100
56	RADIOA	Z	.239	.239	0	%100
57	MP3A	X	.414	.414	0	%100
58	MP3A	Z	.239	.239	0	%100
59	MP1A	X	.414	.414	0	%100
60	MP1A	Z	.239	.239	0	%100
61	MP5A	X	.414	.414	0	%100
62	MP5A	Z	.239	.239	0	%100
63	MP4A	X	.414	.414	0	%100
64	MP4A	Z	.239	.239	0	%100
65	MP2A	X	.414	.414	0	%100
66	MP2A	Z	.239	.239	0	%100
67	M54	X	.539	.539	0	%100
68	M54	Z	.311	.311	0	%100
69	M55	X	.539	.539	0	%100
70	M55	Z	.311	.311	0	%100
71	M56	X	.132	.132	0	%100
72	M56	Z	.076	.076	0	%100
73	M57	X	.132	.132	0	%100
74	M57	Z	.076	.076	0	%100
75	M58	X	.581	.581	0	%100
76	M58	Z	.336	.336	0	%100
77	M59	X	.415	.415	0	%100
78	M59	Z	.24	.24	0	%100
79	M60	X	.128	.128	0	%100
80	M60	Z	.074	.074	0	%100
81	M61	X	.128	.128	0	%100
82	M61	Z	.074	.074	0	%100
83	M62	X	.538	.538	0	%100
84	M62	Z	.311	.311	0	%100
85	M63	X	.538	.538	0	%100
86	M63	Z	.311	.311	0	%100
87	M64	X	.411	.411	0	%100
88	M64	Z	.238	.238	0	%100
89	M65	X	.581	.581	0	%100
90	M65	Z	.336	.336	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
91	M66	X	.142	.142	0	%100
92	M66	Z	.082	.082	0	%100
93	M67	X	.142	.142	0	%100
94	M67	Z	.082	.082	0	%100
95	M68	X	.137	.137	0	%100
96	M68	Z	.079	.079	0	%100
97	M69	X	.137	.137	0	%100
98	M69	Z	.079	.079	0	%100
99	M70	X	.417	.417	0	%100
100	M70	Z	.241	.241	0	%100
101	M71	X	.417	.417	0	%100
102	M71	Z	.241	.241	0	%100
103	M72	X	.542	.542	0	%100
104	M72	Z	.313	.313	0	%100
105	M73	X	.542	.542	0	%100
106	M73	Z	.313	.313	0	%100
107	M74	X	.542	.542	0	%100
108	M74	Z	.313	.313	0	%100
109	MP5C	X	.414	.414	0	%100
110	MP5C	Z	.239	.239	0	%100
111	MP4C	X	.414	.414	0	%100
112	MP4C	Z	.239	.239	0	%100
113	MP2C	X	.414	.414	0	%100
114	MP2C	Z	.239	.239	0	%100
115	MP5B	X	.414	.414	0	%100
116	MP5B	Z	.239	.239	0	%100
117	MP4B	X	.414	.414	0	%100
118	MP4B	Z	.239	.239	0	%100
119	MP2B	X	.414	.414	0	%100
120	MP2B	Z	.239	.239	0	%100
121	M93	X	.562	.562	0	%100
122	M93	Z	.324	.324	0	%100
123	M94	X	.562	.562	0	%100
124	M94	Z	.324	.324	0	%100
125	EMPTYC	X	.414	.414	0	%100
126	EMPTYC	Z	.239	.239	0	%100
127	RADIOC	X	.414	.414	0	%100
128	RADIOC	Z	.239	.239	0	%100
129	MP3C	X	.414	.414	0	%100
130	MP3C	Z	.239	.239	0	%100
131	M116	X	.562	.562	0	%100
132	M116	Z	.324	.324	0	%100
133	M117	X	.562	.562	0	%100
134	M117	Z	.324	.324	0	%100
135	EMPTYB	X	.414	.414	0	%100
136	EMPTYB	Z	.239	.239	0	%100
137	RADIOB	X	.414	.414	0	%100
138	RADIOB	Z	.239	.239	0	%100
139	MP3B	X	.414	.414	0	%100
140	MP3B	Z	.239	.239	0	%100
141	MP1C	X	.414	.414	0	%100
142	MP1C	Z	.239	.239	0	%100
143	MP1B	X	.414	.414	0	%100
144	MP1B	Z	.239	.239	0	%100
145	M121B	X	.407	.407	0	%100
146	M121B	Z	.235	.235	0	%100
147	M122B	X	.376	.376	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
148	M122B	Z	.217	.217	0	%100
149	M123	X	.407	.407	0	%100
150	M123	Z	.235	.235	0	%100
151	M124A	X	.581	.581	0	%100
152	M124A	Z	.336	.336	0	%100
153	M125B	X	.581	.581	0	%100
154	M125B	Z	.336	.336	0	%100
155	M126A	X	.581	.581	0	%100
156	M126A	Z	.336	.336	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.378	.378	0	%100
2	M1	Z	.654	.654	0	%100
3	FACE	X	.378	.378	0	%100
4	FACE	Z	.654	.654	0	%100
5	M3	X	.324	.324	0	%100
6	M3	Z	.562	.562	0	%100
7	M4	X	.324	.324	0	%100
8	M4	Z	.562	.562	0	%100
9	M5	X	.302	.302	0	%100
10	M5	Z	.523	.523	0	%100
11	M6	X	.296	.296	0	%100
12	M6	Z	.513	.513	0	%100
13	M7	X	.302	.302	0	%100
14	M7	Z	.523	.523	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	.378	.378	0	%100
20	M10	Z	.654	.654	0	%100
21	M11	X	.378	.378	0	%100
22	M11	Z	.654	.654	0	%100
23	M12	X	.126	.126	0	%100
24	M12	Z	.218	.218	0	%100
25	M13	X	.126	.126	0	%100
26	M13	Z	.218	.218	0	%100
27	M16	X	.504	.504	0	%100
28	M16	Z	.872	.872	0	%100
29	M17	X	.504	.504	0	%100
30	M17	Z	.872	.872	0	%100
31	M20	X	.126	.126	0	%100
32	M20	Z	.218	.218	0	%100
33	M21	X	.126	.126	0	%100
34	M21	Z	.218	.218	0	%100
35	M24	X	.038	.038	0	%100
36	M24	Z	.065	.065	0	%100
37	M25	X	.038	.038	0	%100
38	M25	Z	.065	.065	0	%100
39	M26	X	0	0	0	%100
40	M26	Z	0	0	0	%100
41	M27	X	0	0	0	%100
42	M27	Z	0	0	0	%100
43	M28	X	.038	.038	0	%100
44	M28	Z	.065	.065	0	%100



Company : Colliers Engineering & Design
 Designer : ILR
 Job Number : Project No. 10207443
 Model Name : 5000120998-VZW_MT_LO_H

Aug 1, 2023
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Member Distributed Loads (BLC 70 : Structure Wm (150 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
45	M29	X	.038	.038	0 %100
46	M29	Z	.065	.065	0 %100
47	M30	X	.16	.16	0 %100
48	M30	Z	.277	.277	0 %100
49	M31	X	.336	.336	0 %100
50	M31	Z	.581	.581	0 %100
51	M32	X	.16	.16	0 %100
52	M32	Z	.277	.277	0 %100
53	EMPTYA	X	.239	.239	0 %100
54	EMPTYA	Z	.414	.414	0 %100
55	RADIOA	X	.239	.239	0 %100
56	RADIOA	Z	.414	.414	0 %100
57	MP3A	X	.239	.239	0 %100
58	MP3A	Z	.414	.414	0 %100
59	MP1A	X	.239	.239	0 %100
60	MP1A	Z	.414	.414	0 %100
61	MP5A	X	.239	.239	0 %100
62	MP5A	Z	.414	.414	0 %100
63	MP4A	X	.239	.239	0 %100
64	MP4A	Z	.414	.414	0 %100
65	MP2A	X	.239	.239	0 %100
66	MP2A	Z	.414	.414	0 %100
67	M54	X	.237	.237	0 %100
68	M54	Z	.411	.411	0 %100
69	M55	X	.237	.237	0 %100
70	M55	Z	.411	.411	0 %100
71	M56	X	6e-6	6e-6	0 %100
72	M56	Z	1.1e-5	1.1e-5	0 %100
73	M57	X	6e-6	6e-6	0 %100
74	M57	Z	1.1e-5	1.1e-5	0 %100
75	M58	X	.305	.305	0 %100
76	M58	Z	.529	.529	0 %100
77	M59	X	.208	.208	0 %100
78	M59	Z	.361	.361	0 %100
79	M60	X	.229	.229	0 %100
80	M60	Z	.397	.397	0 %100
81	M61	X	.229	.229	0 %100
82	M61	Z	.397	.397	0 %100
83	M62	X	.232	.232	0 %100
84	M62	Z	.401	.401	0 %100
85	M63	X	.232	.232	0 %100
86	M63	Z	.401	.401	0 %100
87	M64	X	.302	.302	0 %100
88	M64	Z	.523	.523	0 %100
89	M65	X	.303	.303	0 %100
90	M65	Z	.525	.525	0 %100
91	M66	X	6.9e-5	6.9e-5	0 %100
92	M66	Z	.00012	.00012	0 %100
93	M67	X	6.9e-5	6.9e-5	0 %100
94	M67	Z	.00012	.00012	0 %100
95	M68	X	.234	.234	0 %100
96	M68	Z	.405	.405	0 %100
97	M69	X	.234	.234	0 %100
98	M69	Z	.405	.405	0 %100
99	M70	X	.207	.207	0 %100
100	M70	Z	.359	.359	0 %100
101	M71	X	.304	.304	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]	
1	M1	X	0	0	%100	
2	M1	Z	1.007	1.007	0	%100
3	FACE	X	0	0	0	%100
4	FACE	Z	1.007	1.007	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.649	.649	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	.649	.649	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	.671	.671	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	.671	.671	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	.671	.671	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	.252	.252	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	.252	.252	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	.252	.252	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	.252	.252	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M16	X	0	0	0	%100
28	M16	Z	.755	.755	0	%100
29	M17	X	0	0	0	%100
30	M17	Z	.755	.755	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	.755	.755	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	.755	.755	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	.101	.101	0	%100
37	M25	X	0	0	0	%100
38	M25	Z	.101	.101	0	%100
39	M26	X	0	0	0	%100
40	M26	Z	.025	.025	0	%100
41	M27	X	0	0	0	%100
42	M27	Z	.025	.025	0	%100
43	M28	X	0	0	0	%100
44	M28	Z	.025	.025	0	%100
45	M29	X	0	0	0	%100
46	M29	Z	.025	.025	0	%100
47	M30	X	0	0	0	%100
48	M30	Z	.202	.202	0	%100
49	M31	X	0	0	0	%100
50	M31	Z	.554	.554	0	%100
51	M32	X	0	0	0	%100
52	M32	Z	.554	.554	0	%100
53	EMPTYA	X	0	0	0	%100
54	EMPTYA	Z	.478	.478	0	%100
55	RADIOA	X	0	0	0	%100
56	RADIOA	Z	.478	.478	0	%100
57	MP3A	X	0	0	0	%100



Company : Colliers Engineering & Design
 Designer : ILR
 Job Number : Project No. 10207443
 Model Name : 5000120998-VZW_MT_LO_H

Aug 1, 2023
 2:48 PM
 Checked By: DX

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft, F...	Start Location[ft,%]	End Location[ft,%]
58	MP3A	Z	.478	.478	0 %100
59	MP1A	X	0	0	0 %100
60	MP1A	Z	.478	.478	0 %100
61	MP5A	X	0	0	0 %100
62	MP5A	Z	.478	.478	0 %100
63	MP4A	X	0	0	0 %100
64	MP4A	Z	.478	.478	0 %100
65	MP2A	X	0	0	0 %100
66	MP2A	Z	.478	.478	0 %100
67	M54	X	0	0	0 %100
68	M54	Z	.164	.164	0 %100
69	M55	X	0	0	0 %100
70	M55	Z	.164	.164	0 %100
71	M56	X	0	0	0 %100
72	M56	Z	.158	.158	0 %100
73	M57	X	0	0	0 %100
74	M57	Z	.158	.158	0 %100
75	M58	X	0	0	0 %100
76	M58	Z	.482	.482	0 %100
77	M59	X	0	0	0 %100
78	M59	Z	.481	.481	0 %100
79	M60	X	0	0	0 %100
80	M60	Z	.622	.622	0 %100
81	M61	X	0	0	0 %100
82	M61	Z	.622	.622	0 %100
83	M62	X	0	0	0 %100
84	M62	Z	.153	.153	0 %100
85	M63	X	0	0	0 %100
86	M63	Z	.153	.153	0 %100
87	M64	X	0	0	0 %100
88	M64	Z	.671	.671	0 %100
89	M65	X	0	0	0 %100
90	M65	Z	.479	.479	0 %100
91	M66	X	0	0	0 %100
92	M66	Z	.148	.148	0 %100
93	M67	X	0	0	0 %100
94	M67	Z	.148	.148	0 %100
95	M68	X	0	0	0 %100
96	M68	Z	.621	.621	0 %100
97	M69	X	0	0	0 %100
98	M69	Z	.621	.621	0 %100
99	M70	X	0	0	0 %100
100	M70	Z	.475	.475	0 %100
101	M71	X	0	0	0 %100
102	M71	Z	.671	.671	0 %100
103	M72	X	0	0	0 %100
104	M72	Z	.625	.625	0 %100
105	M73	X	0	0	0 %100
106	M73	Z	.625	.625	0 %100
107	M74	X	0	0	0 %100
108	M74	Z	.625	.625	0 %100
109	MP5C	X	0	0	0 %100
110	MP5C	Z	.478	.478	0 %100
111	MP4C	X	0	0	0 %100
112	MP4C	Z	.478	.478	0 %100
113	MP2C	X	0	0	0 %100
114	MP2C	Z	.478	.478	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	MP5B	X	0	0	%100
116	MP5B	Z	.478	.478	%100
117	MP4B	X	0	0	%100
118	MP4B	Z	.478	.478	%100
119	MP2B	X	0	0	%100
120	MP2B	Z	.478	.478	%100
121	M93	X	0	0	%100
122	M93	Z	.649	.649	%100
123	M94	X	0	0	%100
124	M94	Z	.649	.649	%100
125	EMPTYC	X	0	0	%100
126	EMPTYC	Z	.478	.478	%100
127	RADIOC	X	0	0	%100
128	RADIOC	Z	.478	.478	%100
129	MP3C	X	0	0	%100
130	MP3C	Z	.478	.478	%100
131	M116	X	0	0	%100
132	M116	Z	.649	.649	%100
133	M117	X	0	0	%100
134	M117	Z	.649	.649	%100
135	EMPTYB	X	0	0	%100
136	EMPTYB	Z	.478	.478	%100
137	RADIOB	X	0	0	%100
138	RADIOB	Z	.478	.478	%100
139	MP3B	X	0	0	%100
140	MP3B	Z	.478	.478	%100
141	MP1C	X	0	0	%100
142	MP1C	Z	.478	.478	%100
143	MP1B	X	0	0	%100
144	MP1B	Z	.478	.478	%100
145	M121B	X	0	0	%100
146	M121B	Z	.47	.47	%100
147	M122B	X	0	0	%100
148	M122B	Z	.434	.434	%100
149	M123	X	0	0	%100
150	M123	Z	.47	.47	%100
151	M124A	X	0	0	%100
152	M124A	Z	.47	.47	%100
153	M125B	X	0	0	%100
154	M125B	Z	.434	.434	%100
155	M126A	X	0	0	%100
156	M126A	Z	.47	.47	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.378	-.378	%100
2	M1	Z	.654	.654	%100
3	FACE	X	-.378	-.378	%100
4	FACE	Z	.654	.654	%100
5	M3	X	-.324	-.324	%100
6	M3	Z	.562	.562	%100
7	M4	X	-.324	-.324	%100
8	M4	Z	.562	.562	%100
9	M5	X	-.302	-.302	%100
10	M5	Z	.523	.523	%100
11	M6	X	-.296	-.296	%100

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

Member Label	Direction	Start Magnitude[lb/ft,....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
12	M6	Z	.513	.513	0 %100
13	M7	X	-.302	-.302	0 %100
14	M7	Z	.523	.523	0 %100
15	M8	X	-.378	-.378	0 %100
16	M8	Z	.654	.654	0 %100
17	M9	X	-.378	-.378	0 %100
18	M9	Z	.654	.654	0 %100
19	M10	X	0	0	0 %100
20	M10	Z	0	0	0 %100
21	M11	X	0	0	0 %100
22	M11	Z	0	0	0 %100
23	M12	X	-.126	-.126	0 %100
24	M12	Z	.218	.218	0 %100
25	M13	X	-.126	-.126	0 %100
26	M13	Z	.218	.218	0 %100
27	M16	X	-.126	-.126	0 %100
28	M16	Z	.218	.218	0 %100
29	M17	X	-.126	-.126	0 %100
30	M17	Z	.218	.218	0 %100
31	M20	X	-.504	-.504	0 %100
32	M20	Z	.872	.872	0 %100
33	M21	X	-.504	-.504	0 %100
34	M21	Z	.872	.872	0 %100
35	M24	X	-.038	-.038	0 %100
36	M24	Z	.065	.065	0 %100
37	M25	X	-.038	-.038	0 %100
38	M25	Z	.065	.065	0 %100
39	M26	X	-.038	-.038	0 %100
40	M26	Z	.065	.065	0 %100
41	M27	X	-.038	-.038	0 %100
42	M27	Z	.065	.065	0 %100
43	M28	X	0	0	0 %100
44	M28	Z	0	0	0 %100
45	M29	X	0	0	0 %100
46	M29	Z	0	0	0 %100
47	M30	X	-.16	-.16	0 %100
48	M30	Z	.277	.277	0 %100
49	M31	X	-.16	-.16	0 %100
50	M31	Z	.277	.277	0 %100
51	M32	X	-.336	-.336	0 %100
52	M32	Z	.581	.581	0 %100
53	EMPTYA	X	-.239	-.239	0 %100
54	EMPTYA	Z	.414	.414	0 %100
55	RADIOA	X	-.239	-.239	0 %100
56	RADIOA	Z	.414	.414	0 %100
57	MP3A	X	-.239	-.239	0 %100
58	MP3A	Z	.414	.414	0 %100
59	MP1A	X	-.239	-.239	0 %100
60	MP1A	Z	.414	.414	0 %100
61	MP5A	X	-.239	-.239	0 %100
62	MP5A	Z	.414	.414	0 %100
63	MP4A	X	-.239	-.239	0 %100
64	MP4A	Z	.414	.414	0 %100
65	MP2A	X	-.239	-.239	0 %100
66	MP2A	Z	.414	.414	0 %100
67	M54	X	-6.9e-5	-6.9e-5	0 %100
68	M54	Z	.00012	.00012	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
69	M55	X	-6.9e-5	-6.9e-5	0 %100
70	M55	Z	.00012	.00012	0 %100
71	M56	X	-.234	-.234	0 %100
72	M56	Z	.405	.405	0 %100
73	M57	X	-.234	-.234	0 %100
74	M57	Z	.405	.405	0 %100
75	M58	X	-.207	-.207	0 %100
76	M58	Z	.359	.359	0 %100
77	M59	X	-.304	-.304	0 %100
78	M59	Z	.527	.527	0 %100
79	M60	X	-.237	-.237	0 %100
80	M60	Z	.411	.411	0 %100
81	M61	X	-.237	-.237	0 %100
82	M61	Z	.411	.411	0 %100
83	M62	X	-6e-6	-6e-6	0 %100
84	M62	Z	1.1e-5	1.1e-5	0 %100
85	M63	X	-6e-6	-6e-6	0 %100
86	M63	Z	1.1e-5	1.1e-5	0 %100
87	M64	X	-.305	-.305	0 %100
88	M64	Z	.529	.529	0 %100
89	M65	X	-.208	-.208	0 %100
90	M65	Z	.361	.361	0 %100
91	M66	X	-.229	-.229	0 %100
92	M66	Z	.397	.397	0 %100
93	M67	X	-.229	-.229	0 %100
94	M67	Z	.397	.397	0 %100
95	M68	X	-.232	-.232	0 %100
96	M68	Z	.401	.401	0 %100
97	M69	X	-.232	-.232	0 %100
98	M69	Z	.401	.401	0 %100
99	M70	X	-.302	-.302	0 %100
100	M70	Z	.523	.523	0 %100
101	M71	X	-.303	-.303	0 %100
102	M71	Z	.525	.525	0 %100
103	M72	X	-.313	-.313	0 %100
104	M72	Z	.542	.542	0 %100
105	M73	X	-.313	-.313	0 %100
106	M73	Z	.542	.542	0 %100
107	M74	X	-.313	-.313	0 %100
108	M74	Z	.542	.542	0 %100
109	MP5C	X	-.239	-.239	0 %100
110	MP5C	Z	.414	.414	0 %100
111	MP4C	X	-.239	-.239	0 %100
112	MP4C	Z	.414	.414	0 %100
113	MP2C	X	-.239	-.239	0 %100
114	MP2C	Z	.414	.414	0 %100
115	MP5B	X	-.239	-.239	0 %100
116	MP5B	Z	.414	.414	0 %100
117	MP4B	X	-.239	-.239	0 %100
118	MP4B	Z	.414	.414	0 %100
119	MP2B	X	-.239	-.239	0 %100
120	MP2B	Z	.414	.414	0 %100
121	M93	X	-.324	-.324	0 %100
122	M93	Z	.562	.562	0 %100
123	M94	X	-.324	-.324	0 %100
124	M94	Z	.562	.562	0 %100
125	EMPTYC	X	-.239	-.239	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
126	EMPTYC	Z	.414	.414	0 %100
127	RADIOC	X	-.239	-.239	0 %100
128	RADIOC	Z	.414	.414	0 %100
129	MP3C	X	-.239	-.239	0 %100
130	MP3C	Z	.414	.414	0 %100
131	M116	X	-.324	-.324	0 %100
132	M116	Z	.562	.562	0 %100
133	M117	X	-.324	-.324	0 %100
134	M117	Z	.562	.562	0 %100
135	EMPTYB	X	-.239	-.239	0 %100
136	EMPTYB	Z	.414	.414	0 %100
137	RADIOB	X	-.239	-.239	0 %100
138	RADIOB	Z	.414	.414	0 %100
139	MP3B	X	-.239	-.239	0 %100
140	MP3B	Z	.414	.414	0 %100
141	MP1C	X	-.239	-.239	0 %100
142	MP1C	Z	.414	.414	0 %100
143	MP1B	X	-.239	-.239	0 %100
144	MP1B	Z	.414	.414	0 %100
145	M121B	X	-.302	-.302	0 %100
146	M121B	Z	.523	.523	0 %100
147	M122B	X	-.296	-.296	0 %100
148	M122B	Z	.513	.513	0 %100
149	M123	X	-.302	-.302	0 %100
150	M123	Z	.523	.523	0 %100
151	M124A	X	-.202	-.202	0 %100
152	M124A	Z	.349	.349	0 %100
153	M125B	X	-.177	-.177	0 %100
154	M125B	Z	.307	.307	0 %100
155	M126A	X	-.202	-.202	0 %100
156	M126A	Z	.349	.349	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.218	-.218	0 %100
2	M1	Z	.126	.126	0 %100
3	FACE	X	-.218	-.218	0 %100
4	FACE	Z	.126	.126	0 %100
5	M3	X	-.562	-.562	0 %100
6	M3	Z	.324	.324	0 %100
7	M4	X	-.562	-.562	0 %100
8	M4	Z	.324	.324	0 %100
9	M5	X	-.407	-.407	0 %100
10	M5	Z	.235	.235	0 %100
11	M6	X	-.376	-.376	0 %100
12	M6	Z	.217	.217	0 %100
13	M7	X	-.407	-.407	0 %100
14	M7	Z	.235	.235	0 %100
15	M8	X	-.872	-.872	0 %100
16	M8	Z	.504	.504	0 %100
17	M9	X	-.872	-.872	0 %100
18	M9	Z	.504	.504	0 %100
19	M10	X	-.218	-.218	0 %100
20	M10	Z	.126	.126	0 %100
21	M11	X	-.218	-.218	0 %100
22	M11	Z	.126	.126	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	M25	X	0	0	0	%100
38	M25	Z	0	0	0	%100
39	M26	X	-0.076	-0.076	0	%100
40	M26	Z	0	0	0	%100
41	M27	X	-0.076	-0.076	0	%100
42	M27	Z	0	0	0	%100
43	M28	X	-0.076	-0.076	0	%100
44	M28	Z	0	0	0	%100
45	M29	X	-0.076	-0.076	0	%100
46	M29	Z	0	0	0	%100
47	M30	X	-0.671	-0.671	0	%100
48	M30	Z	0	0	0	%100
49	M31	X	-0.32	-0.32	0	%100
50	M31	Z	0	0	0	%100
51	M32	X	-0.32	-0.32	0	%100
52	M32	Z	0	0	0	%100
53	EMPTYA	X	-0.478	-0.478	0	%100
54	EMPTYA	Z	0	0	0	%100
55	RADIOA	X	-0.478	-0.478	0	%100
56	RADIOA	Z	0	0	0	%100
57	MP3A	X	-0.478	-0.478	0	%100
58	MP3A	Z	0	0	0	%100
59	MP1A	X	-0.478	-0.478	0	%100
60	MP1A	Z	0	0	0	%100
61	MP5A	X	-0.478	-0.478	0	%100
62	MP5A	Z	0	0	0	%100
63	MP4A	X	-0.478	-0.478	0	%100
64	MP4A	Z	0	0	0	%100
65	MP2A	X	-0.478	-0.478	0	%100
66	MP2A	Z	0	0	0	%100
67	M54	X	-0.459	-0.459	0	%100
68	M54	Z	0	0	0	%100
69	M55	X	-0.459	-0.459	0	%100
70	M55	Z	0	0	0	%100
71	M56	X	-0.463	-0.463	0	%100
72	M56	Z	0	0	0	%100
73	M57	X	-0.463	-0.463	0	%100
74	M57	Z	0	0	0	%100
75	M58	X	-0.604	-0.604	0	%100
76	M58	Z	0	0	0	%100
77	M59	X	-0.607	-0.607	0	%100
78	M59	Z	0	0	0	%100
79	M60	X	-0.00138	-0.00138	0	%100
80	M60	Z	0	0	0	%100
81	M61	X	-0.00138	-0.00138	0	%100
82	M61	Z	0	0	0	%100
83	M62	X	-0.468	-0.468	0	%100
84	M62	Z	0	0	0	%100
85	M63	X	-0.468	-0.468	0	%100
86	M63	Z	0	0	0	%100
87	M64	X	-0.414	-0.414	0	%100
88	M64	Z	0	0	0	%100
89	M65	X	-0.609	-0.609	0	%100
90	M65	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
45	M29	X	-0.87	-0.87	0 %100
46	M29	Z	-0.05	-0.05	0 %100
47	M30	X	-0.48	-0.48	0 %100
48	M30	Z	-0.277	-0.277	0 %100
49	M31	X	-0.48	-0.48	0 %100
50	M31	Z	-0.277	-0.277	0 %100
51	M32	X	-0.175	-0.175	0 %100
52	M32	Z	-0.101	-0.101	0 %100
53	EMPTYA	X	-0.414	-0.414	0 %100
54	EMPTYA	Z	-0.239	-0.239	0 %100
55	RADIOA	X	-0.414	-0.414	0 %100
56	RADIOA	Z	-0.239	-0.239	0 %100
57	MP3A	X	-0.414	-0.414	0 %100
58	MP3A	Z	-0.239	-0.239	0 %100
59	MP1A	X	-0.414	-0.414	0 %100
60	MP1A	Z	-0.239	-0.239	0 %100
61	MP5A	X	-0.414	-0.414	0 %100
62	MP5A	Z	-0.239	-0.239	0 %100
63	MP4A	X	-0.414	-0.414	0 %100
64	MP4A	Z	-0.239	-0.239	0 %100
65	MP2A	X	-0.414	-0.414	0 %100
66	MP2A	Z	-0.239	-0.239	0 %100
67	M54	X	-0.539	-0.539	0 %100
68	M54	Z	-0.311	-0.311	0 %100
69	M55	X	-0.539	-0.539	0 %100
70	M55	Z	-0.311	-0.311	0 %100
71	M56	X	-0.132	-0.132	0 %100
72	M56	Z	-0.076	-0.076	0 %100
73	M57	X	-0.132	-0.132	0 %100
74	M57	Z	-0.076	-0.076	0 %100
75	M58	X	-0.581	-0.581	0 %100
76	M58	Z	-0.336	-0.336	0 %100
77	M59	X	-0.415	-0.415	0 %100
78	M59	Z	-0.24	-0.24	0 %100
79	M60	X	-0.128	-0.128	0 %100
80	M60	Z	-0.074	-0.074	0 %100
81	M61	X	-0.128	-0.128	0 %100
82	M61	Z	-0.074	-0.074	0 %100
83	M62	X	-0.538	-0.538	0 %100
84	M62	Z	-0.311	-0.311	0 %100
85	M63	X	-0.538	-0.538	0 %100
86	M63	Z	-0.311	-0.311	0 %100
87	M64	X	-0.411	-0.411	0 %100
88	M64	Z	-0.238	-0.238	0 %100
89	M65	X	-0.581	-0.581	0 %100
90	M65	Z	-0.336	-0.336	0 %100
91	M66	X	-0.142	-0.142	0 %100
92	M66	Z	-0.082	-0.082	0 %100
93	M67	X	-0.142	-0.142	0 %100
94	M67	Z	-0.082	-0.082	0 %100
95	M68	X	-0.137	-0.137	0 %100
96	M68	Z	-0.079	-0.079	0 %100
97	M69	X	-0.137	-0.137	0 %100
98	M69	Z	-0.079	-0.079	0 %100
99	M70	X	-0.417	-0.417	0 %100
100	M70	Z	-0.241	-0.241	0 %100
101	M71	X	-0.417	-0.417	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
102	M71	Z	-.241	-.241	0 %100
103	M72	X	-.542	-.542	0 %100
104	M72	Z	-.313	-.313	0 %100
105	M73	X	-.542	-.542	0 %100
106	M73	Z	-.313	-.313	0 %100
107	M74	X	-.542	-.542	0 %100
108	M74	Z	-.313	-.313	0 %100
109	MP5C	X	-.414	-.414	0 %100
110	MP5C	Z	-.239	-.239	0 %100
111	MP4C	X	-.414	-.414	0 %100
112	MP4C	Z	-.239	-.239	0 %100
113	MP2C	X	-.414	-.414	0 %100
114	MP2C	Z	-.239	-.239	0 %100
115	MP5B	X	-.414	-.414	0 %100
116	MP5B	Z	-.239	-.239	0 %100
117	MP4B	X	-.414	-.414	0 %100
118	MP4B	Z	-.239	-.239	0 %100
119	MP2B	X	-.414	-.414	0 %100
120	MP2B	Z	-.239	-.239	0 %100
121	M93	X	-.562	-.562	0 %100
122	M93	Z	-.324	-.324	0 %100
123	M94	X	-.562	-.562	0 %100
124	M94	Z	-.324	-.324	0 %100
125	EMPTYC	X	-.414	-.414	0 %100
126	EMPTYC	Z	-.239	-.239	0 %100
127	RADIOC	X	-.414	-.414	0 %100
128	RADIOC	Z	-.239	-.239	0 %100
129	MP3C	X	-.414	-.414	0 %100
130	MP3C	Z	-.239	-.239	0 %100
131	M116	X	-.562	-.562	0 %100
132	M116	Z	-.324	-.324	0 %100
133	M117	X	-.562	-.562	0 %100
134	M117	Z	-.324	-.324	0 %100
135	EMPTYB	X	-.414	-.414	0 %100
136	EMPTYB	Z	-.239	-.239	0 %100
137	RADIOB	X	-.414	-.414	0 %100
138	RADIOB	Z	-.239	-.239	0 %100
139	MP3B	X	-.414	-.414	0 %100
140	MP3B	Z	-.239	-.239	0 %100
141	MP1C	X	-.414	-.414	0 %100
142	MP1C	Z	-.239	-.239	0 %100
143	MP1B	X	-.414	-.414	0 %100
144	MP1B	Z	-.239	-.239	0 %100
145	M121B	X	-.407	-.407	0 %100
146	M121B	Z	-.235	-.235	0 %100
147	M122B	X	-.376	-.376	0 %100
148	M122B	Z	-.217	-.217	0 %100
149	M123	X	-.407	-.407	0 %100
150	M123	Z	-.235	-.235	0 %100
151	M124A	X	-.581	-.581	0 %100
152	M124A	Z	-.336	-.336	0 %100
153	M125B	X	-.581	-.581	0 %100
154	M125B	Z	-.336	-.336	0 %100
155	M126A	X	-.581	-.581	0 %100
156	M126A	Z	-.336	-.336	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
58	MP3A	Z	-414	-414	0 %100
59	MP1A	X	-239	-239	0 %100
60	MP1A	Z	-414	-414	0 %100
61	MP5A	X	-239	-239	0 %100
62	MP5A	Z	-414	-414	0 %100
63	MP4A	X	-239	-239	0 %100
64	MP4A	Z	-414	-414	0 %100
65	MP2A	X	-239	-239	0 %100
66	MP2A	Z	-414	-414	0 %100
67	M54	X	-237	-237	0 %100
68	M54	Z	-411	-411	0 %100
69	M55	X	-237	-237	0 %100
70	M55	Z	-411	-411	0 %100
71	M56	X	-6e-6	-6e-6	0 %100
72	M56	Z	-1.1e-5	-1.1e-5	0 %100
73	M57	X	-6e-6	-6e-6	0 %100
74	M57	Z	-1.1e-5	-1.1e-5	0 %100
75	M58	X	-305	-305	0 %100
76	M58	Z	-529	-529	0 %100
77	M59	X	-208	-208	0 %100
78	M59	Z	-361	-361	0 %100
79	M60	X	-229	-229	0 %100
80	M60	Z	-397	-397	0 %100
81	M61	X	-229	-229	0 %100
82	M61	Z	-397	-397	0 %100
83	M62	X	-232	-232	0 %100
84	M62	Z	-401	-401	0 %100
85	M63	X	-232	-232	0 %100
86	M63	Z	-401	-401	0 %100
87	M64	X	-302	-302	0 %100
88	M64	Z	-523	-523	0 %100
89	M65	X	-303	-303	0 %100
90	M65	Z	-525	-525	0 %100
91	M66	X	-6.9e-5	-6.9e-5	0 %100
92	M66	Z	-0.00012	-0.00012	0 %100
93	M67	X	-6.9e-5	-6.9e-5	0 %100
94	M67	Z	-0.00012	-0.00012	0 %100
95	M68	X	-234	-234	0 %100
96	M68	Z	-405	-405	0 %100
97	M69	X	-234	-234	0 %100
98	M69	Z	-405	-405	0 %100
99	M70	X	-207	-207	0 %100
100	M70	Z	-359	-359	0 %100
101	M71	X	-304	-304	0 %100
102	M71	Z	-527	-527	0 %100
103	M72	X	-313	-313	0 %100
104	M72	Z	-542	-542	0 %100
105	M73	X	-313	-313	0 %100
106	M73	Z	-542	-542	0 %100
107	M74	X	-313	-313	0 %100
108	M74	Z	-542	-542	0 %100
109	MP5C	X	-239	-239	0 %100
110	MP5C	Z	-414	-414	0 %100
111	MP4C	X	-239	-239	0 %100
112	MP4C	Z	-414	-414	0 %100
113	MP2C	X	-239	-239	0 %100
114	MP2C	Z	-414	-414	0 %100



Company : Colliers Engineering & Design
 Designer : ILR
 Job Number : Project No. 10207443
 Model Name : 5000120998-VZW_MT_LO_H

Aug 1, 2023
 2:48 PM
 Checked By: DX

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
2	M11	Y	-2.313	-2.958	2.278	4.556
3	M11	Y	-2.958	-2.185	4.556	6.833
4	M11	Y	-2.185	-2.985	6.833	9.111
5	M11	Y	-2.985	-2.333	9.111	11.389
6	M11	Y	-2.333	-.127	11.389	13.667
7	M13	Y	-.244	-.244	3.75	4.25
8	M13	Y	-.244	-2.293	4.25	4.75
9	M13	Y	-2.293	-6.111	4.75	5.25
10	M13	Y	-6.111	-5.437	5.25	5.75
11	M13	Y	-5.437	-.552	5.75	6.25
12	M17	Y	-.244	-.244	3.75	4.25
13	M17	Y	-.244	-2.293	4.25	4.75
14	M17	Y	-2.293	-6.111	4.75	5.25
15	M17	Y	-6.111	-5.437	5.25	5.75
16	M17	Y	-5.437	-.552	5.75	6.25
17	M67	Y	-.102	-.102	1.719	2.063
18	M67	Y	-.102	-1.71	2.063	2.407
19	M67	Y	-1.71	-5.716	2.407	2.751
20	M67	Y	-5.716	-4.616	2.751	3.095
21	M67	Y	-4.616	-.102	3.095	3.438
22	M68	Y	-.103	-.103	1.709	2.05
23	M68	Y	-.103	-1.65	2.05	2.392
24	M68	Y	-1.65	-5.703	2.392	2.734
25	M68	Y	-5.703	-4.672	2.734	3.076
26	M68	Y	-4.672	-.103	3.076	3.417
27	FACE	Y	-.127	-2.313	0	2.278
28	FACE	Y	-2.313	-2.949	2.278	4.556
29	FACE	Y	-2.949	-2.175	4.556	6.833
30	FACE	Y	-2.175	-2.984	6.833	9.111
31	FACE	Y	-2.984	-2.333	9.111	11.389
32	FACE	Y	-2.333	-.127	11.389	13.667
33	M21	Y	-.244	-.244	3.75	4.25
34	M21	Y	-.244	-2.293	4.25	4.75
35	M21	Y	-2.293	-6.111	4.75	5.25
36	M21	Y	-6.111	-5.437	5.25	5.75
37	M21	Y	-5.437	-.552	5.75	6.25
38	M55	Y	-.102	-.102	1.719	2.063
39	M55	Y	-.102	-1.71	2.063	2.407
40	M55	Y	-1.71	-5.716	2.407	2.751
41	M55	Y	-5.716	-4.616	2.751	3.095
42	M55	Y	-4.616	-.102	3.095	3.438
43	M56	Y	-.103	-.103	1.709	2.05
44	M56	Y	-.103	-1.721	2.05	2.392
45	M56	Y	-1.721	-5.774	2.392	2.734
46	M56	Y	-5.774	-4.672	2.734	3.076
47	M56	Y	-4.672	-.103	3.076	3.417
48	M9	Y	-.127	-2.313	0	2.278
49	M9	Y	-2.313	-2.958	2.278	4.556
50	M9	Y	-2.958	-2.185	4.556	6.833
51	M9	Y	-2.185	-2.985	6.833	9.111
52	M9	Y	-2.985	-2.333	9.111	11.389
53	M9	Y	-2.333	-.127	11.389	13.667
54	M61	Y	-.102	-.102	1.719	2.063
55	M61	Y	-.102	-1.71	2.063	2.407
56	M61	Y	-1.71	-5.716	2.407	2.751
57	M61	Y	-5.716	-4.616	2.751	3.095
58	M61	Y	-4.616	-.102	3.095	3.438



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
59	M62	Y	-1.03	-1.03	1.709	2.05
60	M62	Y	-1.03	-1.65	2.05	2.392
61	M62	Y	-1.65	-5.703	2.392	2.734
62	M62	Y	-5.703	-4.672	2.734	3.076
63	M62	Y	-4.672	-1.03	3.076	3.417

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M9	Z	-0.02	-0.036	0	2.278
2	M9	Z	-0.036	-0.046	2.278	4.556
3	M9	Z	-0.046	-0.034	4.556	6.833
4	M9	Z	-0.034	-0.047	6.833	9.111
5	M9	Z	-0.047	-0.036	9.111	11.389
6	M9	Z	-0.036	-0.002	11.389	13.667
7	M13	Z	-0.004	-0.004	3.75	4.25
8	M13	Z	-0.004	-0.036	4.25	4.75
9	M13	Z	-0.036	-0.095	4.75	5.25
10	M13	Z	-0.095	-0.085	5.25	5.75
11	M13	Z	-0.085	-0.009	5.75	6.25
12	M21	Z	-0.004	-0.004	3.75	4.25
13	M21	Z	-0.004	-0.036	4.25	4.75
14	M21	Z	-0.036	-0.095	4.75	5.25
15	M21	Z	-0.095	-0.085	5.25	5.75
16	M21	Z	-0.085	-0.009	5.75	6.25
17	M61	Z	-0.002	-0.002	1.719	2.063
18	M61	Z	-0.002	-0.027	2.063	2.407
19	M61	Z	-0.027	-0.089	2.407	2.751
20	M61	Z	-0.089	-0.072	2.751	3.095
21	M61	Z	-0.072	-0.002	3.095	3.438
22	M62	Z	-0.002	-0.002	1.709	2.05
23	M62	Z	-0.002	-0.026	2.05	2.392
24	M62	Z	-0.026	-0.089	2.392	2.734
25	M62	Z	-0.089	-0.073	2.734	3.076
26	M62	Z	-0.073	-0.002	3.076	3.417
27	M11	Z	-0.002	-0.036	0	2.278
28	M11	Z	-0.036	-0.046	2.278	4.556
29	M11	Z	-0.046	-0.034	4.556	6.833
30	M11	Z	-0.034	-0.047	6.833	9.111
31	M11	Z	-0.047	-0.036	9.111	11.389
32	M11	Z	-0.036	-0.002	11.389	13.667
33	M17	Z	-0.004	-0.004	3.75	4.25
34	M17	Z	-0.004	-0.036	4.25	4.75
35	M17	Z	-0.036	-0.095	4.75	5.25
36	M17	Z	-0.095	-0.085	5.25	5.75
37	M17	Z	-0.085	-0.009	5.75	6.25
38	M67	Z	-0.002	-0.002	1.719	2.063
39	M67	Z	-0.002	-0.027	2.063	2.407
40	M67	Z	-0.027	-0.089	2.407	2.751
41	M67	Z	-0.089	-0.072	2.751	3.095
42	M67	Z	-0.072	-0.002	3.095	3.438
43	M68	Z	-0.002	-0.002	1.709	2.05
44	M68	Z	-0.002	-0.027	2.05	2.392
45	M68	Z	-0.027	-0.09	2.392	2.734
46	M68	Z	-0.09	-0.073	2.734	3.076
47	M68	Z	-0.073	-0.002	3.076	3.417
48	FACE	Z	-0.002	-0.036	0	2.278



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
49	FACE	Z	-036	-046	2.278	4.556
50	FACE	Z	-046	-034	4.556	6.833
51	FACE	Z	-034	-047	6.833	9.111
52	FACE	Z	-047	-036	9.111	11.389
53	FACE	Z	-036	-002	11.389	13.667
54	M55	Z	-002	-002	1.719	2.063
55	M55	Z	-002	-027	2.063	2.407
56	M55	Z	-027	-089	2.407	2.751
57	M55	Z	-089	-072	2.751	3.095
58	M55	Z	-072	-002	3.095	3.438
59	M56	Z	-002	-002	1.709	2.05
60	M56	Z	-002	-026	2.05	2.392
61	M56	Z	-026	-089	2.392	2.734
62	M56	Z	-089	-073	2.734	3.076
63	M56	Z	-073	-002	3.076	3.417

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M9	X	.002	.036	0	2.278
2	M9	X	.036	.046	2.278	4.556
3	M9	X	.046	.034	4.556	6.833
4	M9	X	.034	.047	6.833	9.111
5	M9	X	.047	.036	9.111	11.389
6	M9	X	.036	.002	11.389	13.667
7	M13	X	.004	.004	3.75	4.25
8	M13	X	.004	.036	4.25	4.75
9	M13	X	.036	.095	4.75	5.25
10	M13	X	.095	.085	5.25	5.75
11	M13	X	.085	.009	5.75	6.25
12	M21	X	.004	.004	3.75	4.25
13	M21	X	.004	.036	4.25	4.75
14	M21	X	.036	.095	4.75	5.25
15	M21	X	.095	.085	5.25	5.75
16	M21	X	.085	.009	5.75	6.25
17	M61	X	.002	.002	1.719	2.063
18	M61	X	.002	.027	2.063	2.407
19	M61	X	.027	.089	2.407	2.751
20	M61	X	.089	.072	2.751	3.095
21	M61	X	.072	.002	3.095	3.438
22	M62	X	.002	.002	1.709	2.05
23	M62	X	.002	.026	2.05	2.392
24	M62	X	.026	.089	2.392	2.734
25	M62	X	.089	.073	2.734	3.076
26	M62	X	.073	.002	3.076	3.417
27	M11	X	.002	.036	0	2.278
28	M11	X	.036	.046	2.278	4.556
29	M11	X	.046	.034	4.556	6.833
30	M11	X	.034	.047	6.833	9.111
31	M11	X	.047	.036	9.111	11.389
32	M11	X	.036	.002	11.389	13.667
33	M17	X	.004	.004	3.75	4.25
34	M17	X	.004	.036	4.25	4.75
35	M17	X	.036	.095	4.75	5.25
36	M17	X	.095	.085	5.25	5.75
37	M17	X	.085	.009	5.75	6.25
38	M67	X	.002	.002	1.719	2.063



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]	
39	M67	X	.002	.027	2.063	2.407
40	M67	X	.027	.089	2.407	2.751
41	M67	X	.089	.072	2.751	3.095
42	M67	X	.072	.002	3.095	3.438
43	M68	X	.002	.002	1.709	2.05
44	M68	X	.002	.027	2.05	2.392
45	M68	X	.027	.09	2.392	2.734
46	M68	X	.09	.073	2.734	3.076
47	M68	X	.073	.002	3.076	3.417
48	FACE	X	.002	.036	0	2.278
49	FACE	X	.036	.046	2.278	4.556
50	FACE	X	.046	.034	4.556	6.833
51	FACE	X	.034	.047	6.833	9.111
52	FACE	X	.047	.036	9.111	11.389
53	FACE	X	.036	.002	11.389	13.667
54	M55	X	.002	.002	1.719	2.063
55	M55	X	.002	.027	2.063	2.407
56	M55	X	.027	.089	2.407	2.751
57	M55	X	.089	.072	2.751	3.095
58	M55	X	.072	.002	3.095	3.438
59	M56	X	.002	.002	1.709	2.05
60	M56	X	.002	.026	2.05	2.392
61	M56	X	.026	.089	2.392	2.734
62	M56	X	.089	.073	2.734	3.076
63	M56	X	.073	.002	3.076	3.417

Member Area Loads (BLC 39 : Structure D)

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]	
1	N209	N211	N33	N21	Y	Two Way	-.005
2	N209	N210	N27	N21	Y	Two Way	-.005
3	N211	N210	N27	N33	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]	
1	N210	N209	N21	N27	Y	Two Way	-.01
2	N210	N211	N33	N27	Y	Two Way	-.01
3	N209	N211	N33	N21	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]	
1	N209	N211	N33	N21	Y	Two Way	0
2	N209	N210	N27	N21	Y	Two Way	0
3	N211	N210	N27	N33	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	N209	N211	N33	N21	Z	Two Way	-.000156
2	N209	N210	N27	N21	Z	Two Way	-.000156
3	N211	N210	N27	N33	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	N209	N211	N33	N21	X	Two Way	.000156



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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
2	N209	N210	N27	N21	X	Two Way	.000156
3	N211	N210	N27	N33	X	Two Way	.000156

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

Member	Shape	Code C...	Loc[ft]	LC Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn		
1	M1	L3X3X4	.431	2.99	7	.203	.712	y	19	4139.297	46656	1.688	3.065	2...	H2-1
2	FACE	L3X3X4	.412	2.99	32	.289	4.413	z	13	4139.297	46656	1.688	3.243	2...	H2-1
3	M3	L2x2x4	.055	1.917	8	.006	0	y	1	14537.716	30585.6	.691	1.482	1...	H2-1
4	M4	L2x2x4	.051	1.917	7	.004	0	z	7	14537.716	30585.6	.691	1.482	1...	H2-1
5	M5	L2x2x4	.057	2.473	1	.010	0	y	7	9068.043	30585.6	.691	1.409	1...	H2-1
6	M6	L2x2x4	.065	2.638	1	.034	5.276	y	14	7968.544	30585.6	.691	1.389	1...	H2-1
7	M7	L2x2x4	.079	2.421	24	.025	4.946	z	20	9068.043	30585.6	.691	1.409	1...	H2-1
8	M8	L3X3X4	.378	2.847	3	.342	.712	y	21	4139.297	46656	1.688	3.111	2...	H2-1
9	M9	L3X3X4	.336	12.955	14	.327	.712	z	21	4139.297	46656	1.688	3.137	2...	H2-1
10	M10	L3X3X4	.398	2.847	12	.358	.712	y	17	4139.296	46656	1.688	3.032	2...	H2-1
11	M11	L3X3X4	.320	12.955	22	.339	.712	z	17	4139.296	46656	1.688	3.027	2...	H2-1
12	M12	L3X3X4	.329	.195	4	.215	.13	y	4	19638.824	46656	1.688	3.587	2...	H2-1
13	M13	L3X3X4	.292	.195	6	.201	.13	z	4	19638.824	46656	1.688	3.533	1...	H2-1
14	M16	L3X3X4	.377	.195	12	.251	.13	y	12	19638.824	46656	1.688	3.583	2...	H2-1
15	M17	L3X3X4	.317	.195	6	.234	.13	z	12	19638.824	46656	1.688	3.61	2...	H2-1
16	M20	L3X3X4	.312	.195	8	.202	.13	y	8	19638.824	46656	1.688	3.589	2...	H2-1
17	M21	L3X3X4	.283	.195	12	.188	0	z	12	19638.824	46656	1.688	3.522	1...	H2-1
18	M24	PL1/2x6	.078	.577	16	.026	.289	y	8	86097.292	97200	1.012	12.15	1...	H1-1b
19	M25	PL1/2x6	.261	.289	24	.038	.289	y	14	86097.292	97200	1.012	12.15	1...	H1-1b
20	M26	PL1/2x6	.054	0	14	.022	.289	y	2	86097.285	97200	1.012	12.15	1...	H1-1b
21	M27	PL1/2x6	.210	.289	19	.044	.289	y	20	86097.285	97200	1.012	12.15	1...	H1-1b
22	M28	PL1/2x6	.074	.577	20	.029	.289	y	12	86097.235	97200	1.012	12.15	1...	H1-1b
23	M29	PL1/2x6	.247	.289	16	.042	.289	y	18	86097.235	97200	1.012	12.15	1...	H1-1b
24	M30	L2x2x4	.169	3.49	17	.005	0	y	4	4552.44	30585.6	.691	1.294	1...	H2-1
25	M31	L2x2x4	.172	3.49	13	.005	6.98	y	12	4552.44	30585.6	.691	1.294	1...	H2-1
26	M32	L2x2x4	.167	3.49	21	.005	6.98	y	8	4552.44	30585.6	.691	1.294	1...	H2-1
27	EMPTYA	PIPE 2.0	.103	4.479	36	.016	4.479		25	23808.54	32130	1.872	1.872	1...	H1-1b
28	RADIOA	PIPE 2.0	.083	4.479	27	.027	4.479		1	23808.54	32130	1.872	1.872	1...	H1-1b
29	MP3A	PIPE 2.0	.053	4.479	1	.023	.677		6	23808.54	32130	1.872	1.872	1...	H1-1b
30	MP1A	PIPE 2.0	.050	4.479	42	.017	.625		9	23808.54	32130	1.872	1.872	1...	H1-1b
31	MP5A	PIPE 2.0	.297	2.155	7	.065	2.155		6	20616.322	32130	1.872	1.872	1	H1-1b
32	MP4A	PIPE 2.0	.034	3.042	1	.013	2.218		6	20616.322	32130	1.872	1.872	1	H1-1b
33	MP2A	PIPE 2.0	.050	2.218	7	.022	2.155		8	20616.322	32130	1.872	1.872	1	H1-1b
34	M54	L2x2x4	.389	.394	21	.066	0	y	23	16811.753	30585.6	.691	1.571	1...	H2-1
35	M55	L2x2x4	.066	1.827	13	.002	3.438	z	24	16811.753	30585.6	.691	1.507	1...	H2-1
36	M56	L2x2x4	.059	1.815	13	.002	3.417	y	24	16935.785	30585.6	.691	1.509	1...	H2-1
37	M57	L2x2x4	.341	.427	13	.057	0	z	14	16935.785	30585.6	.691	1.571	1...	H2-1
38	M58	L2x2x4	.068	2.441	11	.027	4.881	z	14	9309.42	30585.6	.691	1.413	1...	H2-1
39	M59	L2x2x4	.065	2.434	3	.006	4.868	y	24	9359.533	30585.6	.691	1.414	1...	H2-1
40	M60	L2x2x4	.501	.394	17	.099	3.438	y	22	16811.761	30585.6	.691	1.577	1...	H2-1
41	M61	L2x2x4	.074	1.827	19	.002	3.438	z	24	16811.761	30585.6	.691	1.507	1...	H2-1
42	M62	L2x2x4	.056	1.815	21	.002	3.417	y	24	16935.796	30585.6	.691	1.509	1...	H2-1
43	M63	L2x2x4	.330	.427	21	.055	0	z	22	16935.796	30585.6	.691	1.57	1...	H2-1
44	M64	L2x2x4	.235	0	14	.035	4.881	z	21	9309.423	30585.6	.691	1.462	1...	H2-1
45	M65	L2x2x4	.065	2.434	11	.006	0	y	20	9359.538	30585.6	.691	1.414	1...	H2-1
46	M66	L2x2x4	.423	.43	17	.071	0	y	15	16811.754	30585.6	.691	1.571	1...	H2-1
47	M67	L2x2x4	.067	1.827	17	.002	3.438	z	24	16811.754	30585.6	.691	1.507	1...	H2-1
48	M68	L2x2x4	.058	1.815	17	.002	3.417	y	24	16935.792	30585.6	.691	1.509	1...	H2-1
49	M69	L2x2x4	.369	.427	17	.062	0	z	18	16935.792	30585.6	.691	1.571	1...	H2-1
50	M70	L2x2x4	.068	2.441	3	.007	0	z	18	9309.421	30585.6	.691	1.413	1...	H2-1



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

Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn	
51	M71	L2x2x4	.066	2.434	7	.007	0	y	16	9359.537	30585.6	.691	1.414	1...	H2-1
52	M72	PIPE 3.5	.028	.438	16	.011	4.229	3	72060.228	78750	7.954	7.954	1...	H1-1b	
53	M73	PIPE 3.5	.029	.438	24	.011	4.229	11	72060.228	78750	7.954	7.954	1...	H1-1b	
54	M74	PIPE 3.5	.036	.438	20	.015	4.229	19	72060.228	78750	7.954	7.954	1...	H1-1b	
55	MP5C	PIPE 2.0	.292	2.155	4	.067	2.155	5	20616.322	32130	1.872	1.872	1...	H1-1b	
56	MP4C	PIPE 2.0	.033	3.042	10	.013	2.218	2	20616.322	32130	1.872	1.872	1...	H1-1b	
57	MP2C	PIPE 2.0	.049	2.218	4	.022	2.155	5	20616.322	32130	1.872	1.872	2...	H1-1b	
58	MP5B	PIPE 2.0	.297	2.155	12	.065	2.155	11	20616.322	32130	1.872	1.872	1...	H1-1b	
59	MP4B	PIPE 2.0	.033	3.042	6	.014	2.218	11	20616.322	32130	1.872	1.872	1...	H1-1b	
60	MP2B	PIPE 2.0	.050	2.218	12	.022	2.155	1	20616.322	32130	1.872	1.872	2...	H1-1b	
61	M93	L2x2x4	.052	1.917	4	.006	0	y	9	14537.716	30585.6	.691	1.482	1...	H2-1
62	M94	L2x2x4	.050	1.917	3	.003	0	z	3	14537.716	30585.6	.691	1.482	1...	H2-1
63	EMPTYC	PIPE 2.0	.084	.677	21	.014	4.479	9	23808.54	32130	1.872	1.872	1...	H1-1b	
64	RADIOC	PIPE 2.0	.033	.677	21	.024	4.479	9	23808.54	32130	1.872	1.872	1...	H1-1b	
65	MP3C	PIPE 2.0	.051	.677	4	.023	.677	3	23808.54	32130	1.872	1.872	1...	H1-1b	
66	M116	L2x2x4	.054	1.917	12	.006	0	y	5	14537.716	30585.6	.691	1.482	1...	H2-1
67	M117	L2x2x4	.051	1.917	11	.003	0	z	11	14537.716	30585.6	.691	1.482	1...	H2-1
68	EMPTYB	PIPE 2.0	.095	.677	14	.015	4.479	5	23808.54	32130	1.872	1.872	1...	H1-1b	
69	RADIOB	PIPE 2.0	.032	.677	17	.023	4.479	6	23808.54	32130	1.872	1.872	1...	H1-1b	
70	MP3B	PIPE 2.0	.054	.677	12	.023	.677	11	23808.54	32130	1.872	1.872	2...	H1-1b	
71	MP1C	PIPE 2.0	.025	.677	2	.017	.625	11	23808.54	32130	1.872	1.872	1...	H1-1b	
72	MP1B	PIPE 2.0	.032	4.479	19	.017	.625	1	23808.54	32130	1.872	1.872	2...	H1-1b	
73	M121B	L2x2x4	.055	2.473	9	.065	4.946	z	21	9068.045	30585.6	.691	1.409	1...	H2-1
74	M122B	L2x2x4	.064	2.638	9	.021	5.276	y	22	7968.544	30585.6	.691	1.389	1...	H2-1
75	M123	L2x2x4	.076	2.473	9	.049	4.946	z	18	9068.04	30585.6	.691	1.409	1...	H2-1
76	M124A	L2x2x4	.056	2.473	5	.068	4.946	z	17	9068.043	30585.6	.691	1.409	1...	H2-1
77	M125B	L2x2x4	.065	2.638	5	.023	5.276	y	18	7968.544	30585.6	.691	1.389	1...	H2-1
78	M126A	L2x2x4	.077	2.473	5	.052	0	z	14	9068.047	30585.6	.691	1.409	1...	H2-1

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	N18	max	3129.309	4	147.689	4	.504	11	0	75	0	75	0	75
2		min	-3125.901	10	-2642.817	22	-.504	5	0	1	0	1	0	1
3	N30	max	1465.082	2	245.933	12	2547.036	8	0	75	0	75	0	75
4		min	-1470.532	8	-2565.03	14	-2537.597	2	0	1	0	1	0	1
5	N24	max	1824.043	6	342.357	12	3159.335	6	0	75	0	75	0	75
6		min	-1829.226	12	-2714.481	18	-3168.313	12	0	1	0	1	0	1
7	N25	max	1694.042	6	1224.334	6	2934.166	6	0	75	0	75	0	75
8		min	-1707.047	12	-1418.016	12	-2956.692	12	0	1	0	1	0	1
9	N31	max	1367.541	6	1199.86	6	2376.822	12	0	75	0	75	0	75
10		min	-1371.923	12	-1396.362	12	-2369.233	6	0	1	0	1	0	1
11	N19A	max	2933.652	4	1153.074	6	.504	11	0	75	0	75	0	75
12		min	-2930.659	10	-1354.688	12	-.504	5	0	1	0	1	0	1
13	N89	max	493.819	8	644.988	23	355.751	1	0	75	0	75	0	75
14		min	-201.428	1	221.009	68	-849.952	7	0	1	0	1	0	1
15	N90	max	99.099	1	561.338	14	191.378	1	0	75	0	75	0	75
16		min	-356.583	7	195.032	71	-629.402	7	0	1	0	1	0	1
17	N91	max	379.572	10	827.524	18	29.377	1	0	75	0	75	0	75
18		min	-1084.526	4	285.396	75	-41.863	7	0	1	0	1	0	1
19	N92	max	110.135	9	540.495	22	574.24	3	0	75	0	75	0	75
20		min	-339.435	3	187.278	67	-171.294	9	0	1	0	1	0	1
21	N93	max	503.769	12	696.293	15	913.709	12	0	75	0	75	0	75
22		min	-225.389	6	237.043	72	-399.314	6	0	1	0	1	0	1
23	N94	max	678.359	11	604.299	18	39.167	1	0	75	0	75	0	75
24		min	-180.305	5	208.429	75	-40.553	7	0	1	0	1	0	1



Envelope Joint Reactions (Continued)

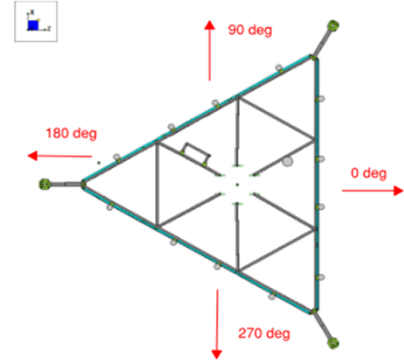
	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
25	N95	max	11.986	8	16.759	19	604.307	13	0	75	0	75	0	75
26		min	-360.424	13	5.234	64	-19.884	8	0	1	0	1	0	1
27	N96	max	296.176	13	16.85	19	509.234	13	0	75	0	75	0	75
28		min	-40.917	7	5.218	64	-74.133	7	0	1	0	1	0	1
29	N97	max	838.647	21	16.623	15	19.858	1	0	75	0	75	0	75
30		min	42.868	4	5.218	72	-10.197	7	0	1	0	1	0	1
31	N98	max	270.067	9	16.901	15	79.044	3	0	75	0	75	0	75
32		min	-47.554	3	5.227	72	-468.087	21	0	1	0	1	0	1
33	N99	max	20.564	12	16.696	23	37.325	12	0	75	0	75	0	75
34		min	-347.863	17	5.226	68	-622.622	17	0	1	0	1	0	1
35	N100	max	60.932	11	16.809	23	17.271	1	0	75	0	75	0	75
36		min	-585.885	17	5.221	68	-14.633	7	0	1	0	1	0	1
37	N212	max	3094.1	10	1401.062	12	428.607	1	0	75	0	75	0	75
38		min	-3092.672	4	-1171.114	6	-1136.783	7	0	1	0	1	0	1
39	N213	max	1471.911	12	1468.729	12	3298.635	12	0	75	0	75	0	75
40		min	-2086.837	6	-1247.606	6	-2916.97	6	0	1	0	1	0	1
41	N214	max	2304.339	12	1445.928	12	2634.172	2	0	75	0	75	0	75
42		min	-1752.033	6	-1220.848	6	-2326.114	8	0	1	0	1	0	1
43	N215A	max	3340.225	10	4147.655	22	2368.923	13	0	75	0	75	0	75
44		min	-3343.66	4	407.944	4	-591.7	7	0	1	0	1	0	1
45	N216A	max	2839.469	8	4266.208	18	2871.701	12	0	75	0	75	0	75
46		min	-1283.133	2	220.251	12	-3765.865	6	0	1	0	1	0	1
47	N217A	max	1802.749	12	4031.569	14	2331.905	2	0	75	0	75	0	75
48		min	-3269.047	6	349.79	12	-3194.377	8	0	1	0	1	0	1
49	Totals:	max	5595.902	10	8442.502	20	5924.778	1						
50		min	-5595.889	4	2907.766	74	-5924.769	7						

I. Mount-to-Tower Connection Check

Custom Orientation Required

Yes

Nodes (labeled per Risa)	Orientation (per graphic of typical platform)
N24	300
N216A	300
N18	180
N215A	180
N30	60
N217A	60
N25	300
N213	300
N19A	180
N212	180
N31	60
N214	60



Tower Connection Bolt Checks

Yes

Bolt Orientation

Vertical (top)

Bolt Quantity per Reaction:

1

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

1.5

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

1.5

Bolt Type:

A325N

Bolt Diameter (in):

0.75

Required Tensile Strength / bolt (kips):

0.0

Required Shear Strength / bolt (kips):

4.0

Tensile Capacity / bolt (kips):

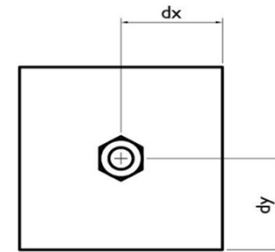
29.8

Shear Capacity / bolt (kips):

17.9

Bolt Overall Utilization:

22.5%



NO MOMENT RESISTANCE

Tower Connection Baseplate Checks

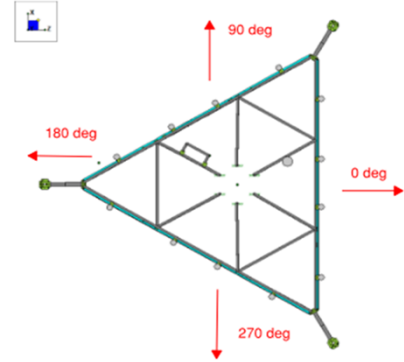
No

I. Mount-to-Tower Connection Check

Custom Orientation Required

Yes

Nodes (labeled per Risa)	Orientation (per graphic of typical platform)
N95	340
N89	340
N94	260
N100	260
N99	220
N93	220
N92	140
N98	140
N97	100
N91	100
N90	20
N96	20



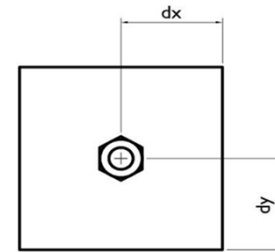
Tower Connection Bolt Checks

Yes

Bolt Orientation

Vertical (top)

Bolt Quantity per Reaction:	1
d_x (in) (Delta X of typ. bolt config. sketch) :	1.5
d_y (in) (Delta Y of typ. bolt config. sketch) :	1.5
Bolt Type:	A325N
Bolt Diameter (in):	0.375
Required Tensile Strength / bolt (kips):	0.4
Required Shear Strength / bolt (kips):	1.1
Tensile Capacity / bolt (kips):	7.5
Shear Capacity / bolt (kips):	4.5
Bolt Overall Utilization:	24.3%



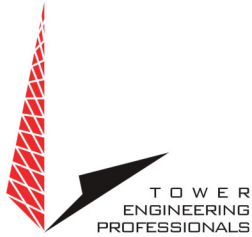
NO MOMENT RESISTANCE

Tower Connection Baseplate Checks

No

EXHIBIT 5





RF Design and Services
326 Tryon Road
Raleigh, North Carolina 27603
(612) 965-8225
WWW.TEPGROUP.NET

Non-Ionizing Electromagnetic Radiation (NIER) Study

Site Number:

302476

Site Name:

Wtbr - Waterbury

Location:

Waterbury, Connecticut

Tenants:

AT&T Mobility, & Verizon Wireless

Prepared For:

American Tower, Inc.
Woburn, Massachusetts

August 29th, 2023

333188 P-405140

Prepared By:

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

Approved By:

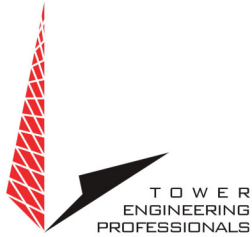
A circular professional engineer seal for the State of Connecticut, featuring the text "STATE OF CONNECTICUT", "SCOTT C. BRANT", "34936", and "LICENSED PROFESSIONAL ENGINEER". A blue ink signature is written over the seal, and the date "09/05/2023" is written in blue ink below it.



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APPENDIX 2 ANTENNA INVENTORY.....	7
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APPENDIX 3.2 MPE LIMIT STUDY	10
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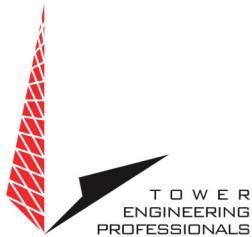
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Non-Ionizing Electromagnetic Radiation (NIER) Study

302476 Wtbr - Waterbury
Waterbury, 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.

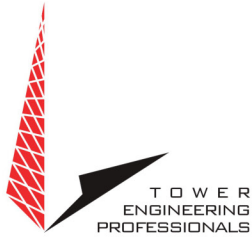
SITE AND FACILITY CONSIDERATIONS

Site 302476 Wtbr - Waterbury is located at 3329 Garden Circle, in Waterbury, Connecticut at coordinates 41.570667, -73.017600. The support structure is a 155' monopole. An aerial view of the tower can be found in Appendix 1, Site Photos. The tenants are AT&T Mobility (AT&T) & 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 100' from the base of the tower with a height of 6' above ground level was used, beyond 100' 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 302476 Wtbr - Waterbury.RF NIER Study 8/14/23.
- 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.

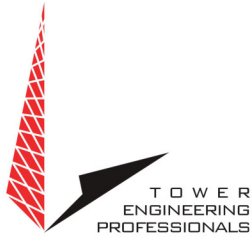
COMPLIANCE DETERMINATION

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

APPENDIX 1 Site Photos

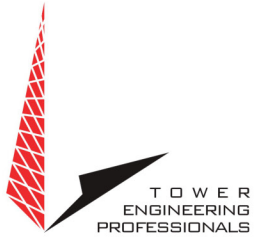


Aerial View of Site



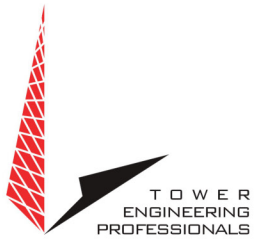
Appendix 2.1 Antenna Inventory

302476 Wtbr - Waterbury							
Antenna Inventory							
Antenna #	Carrier	Antenna Manufacturer	Antenna Model	Frequency Band (MHz)	Azimuth (°)	Effective Radiated Power (W)	Radiation Center (ft)
1	AT&T	Ericsson	Air6419	3700/3800/3900	023	24345	156
2	AT&T	Ericsson	Air6419	3700/3800/3900	140	24345	156
3	AT&T	Ericsson	Air6419	3700/3800/3900	263	24345	156
4	AT&T	Powerwave	7770	700/800/1900	023	53942	154
5	AT&T	Powerwave	7770	700/800/1900	140	53942	154
6	AT&T	Powerwave	7770	700/800/1900	263	53942	154
7	AT&T	CCI	OPA-65R-LCUU	700/800/1900	023	23176	154
8	AT&T	CCI	OPA-65R-LCUU	700/800/1900	140	57709	154
9	AT&T	CCI	OPA-65R-LCUU	700/800/1900	263	23176	154
10	AT&T	Scala	80010966	700/2100	023	8187	154
11	AT&T	Scala	80010965	700/2100	140	16375	154
12	AT&T	Scala	80010966	700/2100	263	8187	154
13	AT&T	CCI	TPA-65R-LCUUUU	700/800/1900	023	23176	154
14	AT&T	CCI	TPA-65R-LCUUUU	700/800/1900	263	23176	154
15	AT&T	Quintel	QS66512	700/1900	140	11354	154
16	AT&T	Scala	80010966	700/2100	023	8187	154
17	AT&T	Scala	80010965	700/2100	140	16375	154
18	AT&T	Quintel	QD6616-7	700/1900	023	11354	154

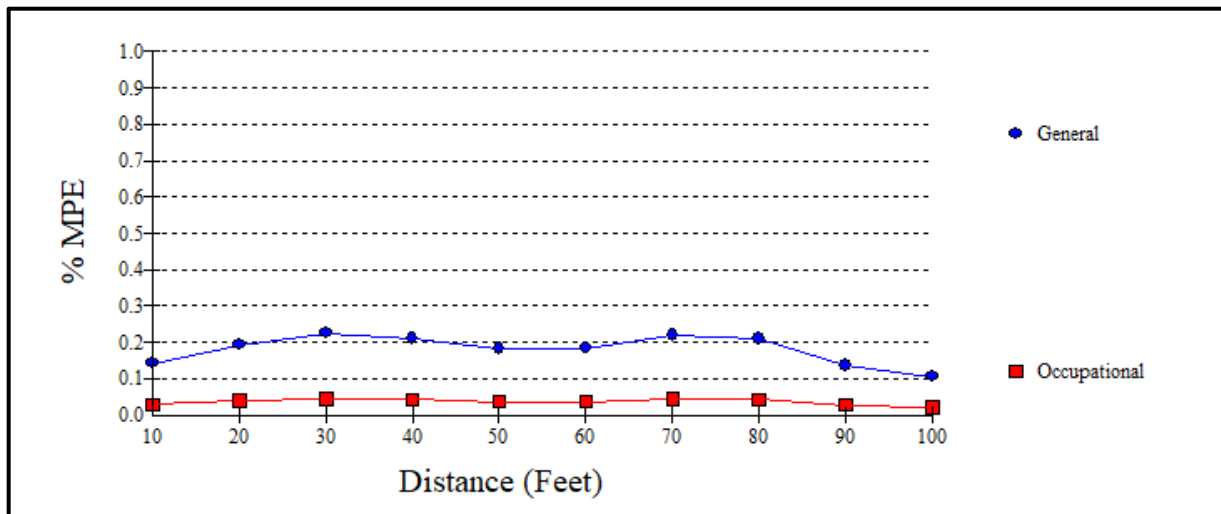


Appendix 2.2 Antenna Inventory

302476 Wtbr - Waterbury							
Antenna Inventory							
Antenna #	Carrier	Antenna Manufacturer	Antenna Model	Frequency Band (MHz)	Azimuth (°)	Effective Radiated Power (W)	Radiation Center (ft)
19	Verizon	Generic	Generic	Unknown	250	34000	90.4
20	Verizon	Samsung	Generic	3700/3800/3900	030	1219	90
21	Verizon	Samsung	Generic	3700/3800/3900	120	1219	90
22	Verizon	Samsung	Generic	3700/3800/3900	240	1219	90
23	Verizon	Andrew	SBNHH-1D65B	800/2100	030	14245	90
24	Verizon	Andrew	SBNHH-1D65B	800/2100	120	14245	90
25	Verizon	Andrew	SBNHH-1D65B	800/2100	240	26630	90
26	Verizon	Andrew	SBNHH-1D65B	800/2100	030	14245	90
27	Verizon	Andrew	SBNHH-1D65B	800/2100	120	14245	90
28	Verizon	Andrew	SBNHH-1D65B	800/2100	240	26630	90
29	Verizon	Samsung	MT6407-77A	3700/3800/3900	030	14245	90
30	Verizon	Samsung	MT6407-77A	3700/3800/3900	120	14245	90
31	Verizon	Samsung	MT6407-77A	3700/3800/3900	240	14245	90
32	Verizon	Andrew	LNX-6514DS-VTM	800	030	18970	90
33	Verizon	Andrew	LNX-6514DS-VTM	800	120	18970	90
34	Verizon	Andrew	LNX-6514DS-VTM	800	240	18970	90

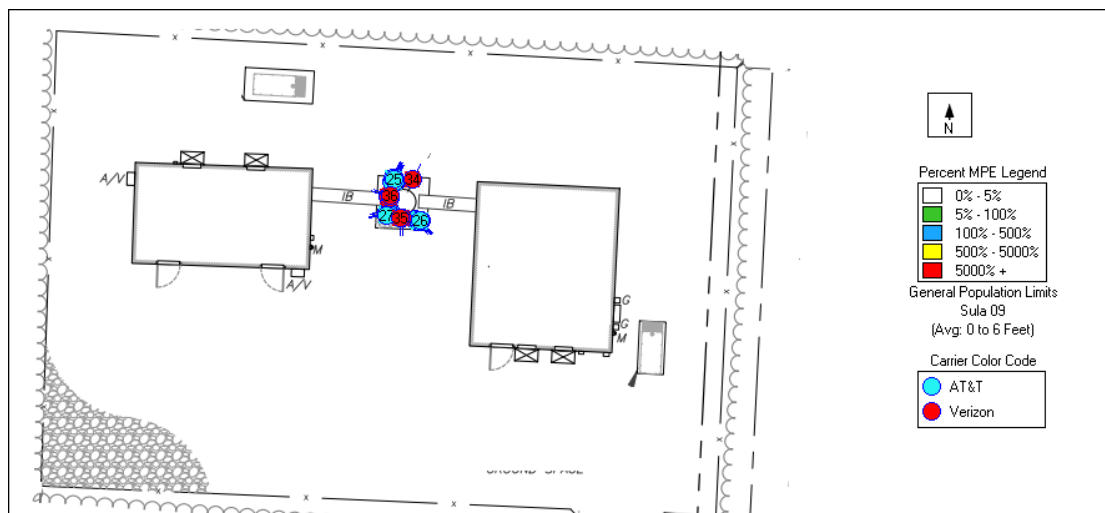


Appendix 3.1 MPE Limit Study



Maximum Power Density (@30'):	0.0014 mW/cm ²
General Population MPE (@30'):	0.2255%
Occupational MPE (@30'):	0.0451%

Appendix 3.2 MPE Limit Study





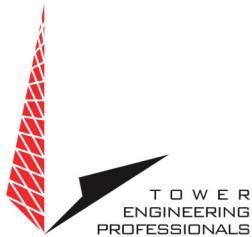
Appendix 4 Information Pertaining to MPE Studies

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.

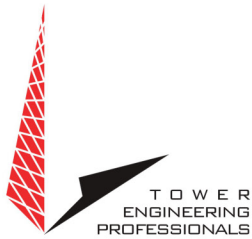
The FCC exposure limits are also based on data showing that the human body absorbs RF energy at some frequencies more efficiently than at others. The most restrictive limits occur in the frequency range of 30-300 MHz where whole-body absorption of RF energy by human beings is most efficient. At other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



MPE limits are defined in terms of power density (units of milliwatts per centimeter squared: mW/cm^2), electric field strength (units of volts per meter: V/m) and magnetic field strength (units of amperes per meter: A/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.

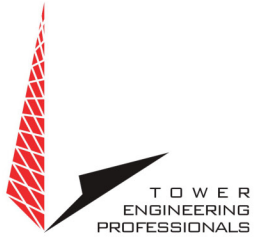
General population/uncontrolled exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore,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



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.

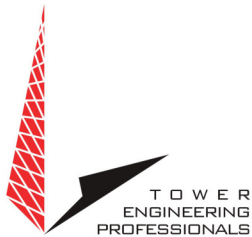


The FCC's limits for exposure at different frequencies are shown in the following Tables.

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 ²)	Averaging Time E ² , H ² or S (minutes)
0.3 - 3.0	614	1.63	100*	6
3.0 - 30	1842/f	4.89/f	900/F ²	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



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 ²)	Averaging Time E ² , H ² or S (minutes)
0.3 - 1.34	614	1.63	100*	30
1.34 - 30	824/f	2.19/f	180/F ²	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.



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



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

θ_{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.



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



DOCKET NO. 44

AN APPLICATION SUBMITTED BY THE SOUTHERN : CONNECTICUT SITING
NEW ENGLAND TELEPHONE COMPANY FOR A :
CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY : COUNCIL
AND PUBLIC NEED FOR THE CONSTRUCTION,
MAINTENANCE AND OPERATION OF FACILITIES TO
PROVIDE CELLULAR SERVICE IN NEW HAVEN COUNTY : July 24, 1984

DECISION AND ORDER

Pursuant to the foregoing opinion, the Council hereby directs that a certificate of environmental compatibility and public need as required by section 16-50k of the General Statutes of Connecticut, revisions of 1958, revised to 1983, as amended, be issued to the Southern New England Telephone Company for the construction, operation, and maintenance of a telecommunications tower and associated equipment to provide cellular service at each of the following sites:

Jasudowich tract, Brushy Plain Road, Branford, Connecticut;
Town of Guilford tract, Tanner Marsh Road, Guilford, Connecticut;
Bridgeport Avenue, Milford, Connecticut;
Quagliaro tract, Farmdale Drive, Waterbury, Connecticut;
Pease Road, Woodbridge, Connecticut; and
Dwight Street, North Haven, Connecticut.

The facilities shall be constructed, operated, and maintained as specified in the Council's record on this matter, and subject to the following conditions:

1. The towers including antennas shall be no taller than necessary to provide the proposed service and in no event shall exceed
 - a) 167' at the Branford site,
 - b) 167' at the Guilford site,
 - c) 117' at the Milford site,
 - d) 167' at the Waterbury site,
 - e) 167' at the Woodbridge site,
 - f) 167' at the North Haven site;
2. A fence not lower than eight feet shall surround each tower and its associated equipment;

3. The applicant or its successor shall notify the Council if and when directional antennas or any other equipment is added to any of these facilities;
4. The applicant or its successor shall permit, in accordance with representations made by it during the proceeding, public or private entities to share space on the facilities, for due consideration received, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing;
5. Unless necessary to comply with condition number six, below, no lights shall be installed on any of these towers;
6. The facilities shall be constructed in accordance with all applicable federal, state, and municipal laws and regulations;
7. The applicant shall submit a development and management plan (D&M) for the Branford, Milford, Woodbridge, and North Haven sites pursuant to sections 16-50j-85 through 16-50j-87 of the regulations of state agencies, except that irrelevant items in section 16-50j-86 need only be identified as such. The D&M plans shall include appropriate evergreen screening of the sites, erosion control measures, reseeding plans, and tree removal plans. The applicant shall comply with the reporting requirements of section 16-50j-87 for all sites;
8. Construction activities shall take place during daylight working hours;
9. This decision and order shall be void and the towers and associated equipment approved herein shall be dismantled and removed, or reapplication for any new use shall be made to the Connecticut

Siting Council before any such new use is made, if the towers do not provide or permanently cease to provide cellular service following completion of construction;

10. This decision and order shall be void if all construction authorized is not completed within three years of the issuance of this decision.

Pursuant to section 16-50p of the General Statutes, we hereby direct that a copy of the opinion and decision and order be served on each person listed below. A notice of the issuance shall be published in the Hartford Courant, New Haven Register, and the Waterbury Republican.

The parties to this proceeding are

The Southern New England Telephone Company (Applicant)
Room 314
227 Church Street
New Haven, Connecticut 06506

ATTENTION: Mr. Peter J. Tyrrell (its attorney)
Senior Attorney

Town of Hamden represented by:
Peter F. Villano, Mayor
Shirley Gonzales, Town Planner
Mr. Hugh Manke, Esquire
Office of the Town Attorney
Memorial Town Hall
2372 Whitney Avenue
Hamden, Connecticut 06518

Inland Wetlands Agency represented by:
Town of Woodbridge
Robert J. Klancko
Chairman
Town Hall
11 Meeting House Lane
Woodbridge, Connecticut 06525

Town Plan and Zoning
Commission
Town of Woodbridge

represented by:

Norman Fineberg
Chairman
Town Hall
11 Meeting House Lane
Woodbridge, Connecticut 06525

The Honorable Peter M. Lerner
State Representative
State of Connecticut
House of Representatives
State Capitol
Hartford, Connecticut 06115

John Menta
Felicia Tencza

represented by:

Ms. Felicia Tencza
580 Gaylord Mountain Road
Hamden, Connecticut 06518

Ms. Renee Robinson
265 Blue Trail
Hamden, Connecticut 06518

(service waived)

Irene L. Wong
Edson H. Mount
Dr. & Mrs. H.M. Fiskio
Dr. & Mrs. Alexander Gottschalk

represented by:

Dr. & Mrs. Alexander Gottschalk
230 Six Rod Highway
Hamden, Connecticut 06518

The Sleeping Giant Park Association

represented by:

Mr. Dag Pfeiffer
President
Box 14
Quinnipiac College
Hamden, Connecticut 06518

West Rock Ridge Park Association

represented by:

Mr. William L. Dohney, Jr., D.D.S.
President
220 Mountain Road
Hamden, Connecticut 06514

Sierra Club

represented by:

Ms. M. Kim Yanoshick
Executive Director
Hartford Chapter
118 Oak Street
Hartford, Connecticut 06106

Quinnipiac College

represented by:

Mr. Richard A. Terry
President
Hamden, Connecticut 06518

Guilford Conservation Commission

represented by:

Ms. Carolyn K. Evans
Chairman
Town Hall
Park Street
Guilford, Connecticut 06437

Mrs. Barbara R. Peterson
Mary & Phil Faust
Anita L. & Richard M. Sullivan

represented by:

Anita L. & Richard M. Sullivan
315 Chestnut Lane
Hamden, Connecticut 06518

Mrs. Pauline H. Hoff

represented by:

Herbert L. Emanuelson, Jr.
Emanuelson and Wynne
205 Church Street
New Haven, Connecticut 06510

Hamden League of Women Voters

represented by:

Mrs. Sherrill Zoller
605 West Woods Road
Hamden, Connecticut 06518
(service waived)

Joan Rosenberg
230 Ridewood Avenue
Hamden, Connecticut 06517

Mr. & Mrs. Richard Sykes
110 Blue Trail
Hamden, Connecticut 06518

Thomas & Claudia Sullivan, Jr.
100 Blue Trail
Hamden, Connecticut 06518

Mr. William N. Pantalone
27 Pease Road
Woodbridge, Connecticut 06525

(service waived)

INTERVENORS

Metromedia TeleCommunications
Nutmeg Telecommunications, Inc.
CSI of New Haven
CSI of Stamford
Cellular Communications, Inc.
LIN Cellular Corp.
Cellular Mobile Services
Maxcell TeleCommunications, Inc.
Mobile Cellular Telephone, Inc.
Cellular Dynamics
Connecticut Corridor Cellular
Chase/Post Cellular

represented by:

Dwight A. Johnson
Murtha, Cullina, Richter
and Pinney
101 Pearl Street
P.O. Box 3197
Hartford, Connecticut 06103-0197

C E R T I F I C A T I O N

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case or read the record thereof, and that we voted as follows:


Dated at New Britain, Connecticut, this 24th day of July, 1984.

<u>Council Members</u>	<u>Vote Cast</u>
_____) Gloria Dibble Pond Chairperson	Absent
_____) Commissioner John Downey Designee: Commissioner Peter G. Boucher	Absent
<i>Brian Emerick</i> _____) Commissioner Stanley Pac Designee: Brian Emerick	Yes Absent Abstain
<i>Owen L. Clark</i> _____) Owen L. Clark	Yes
<i>Fred J. Doocy</i> _____) Fred J. Doocy	Yes
<i>Mortimer A. Gelston</i> _____) Mortimer A. Gelston	Yes
<i>James G. Horsfall</i> _____) James G. Horsfall	Yes
_____) Janet Sitty	Absent
<i>Colin C. Tait</i> _____) Colin C. Tait Acting Chairperson	Yes

STATE OF CONNECTICUT)
 :
COUNTY OF HARTFORD) ss. New Britain, July 24, 1984

I hereby certify that the foregoing is a true and correct copy of the decision and order issued by the Connecticut Siting Council, State of Connecticut.

ATTEST:

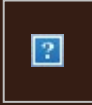


Christopher S. Wood, Executive Director
Connecticut Siting Council

EXHIBIT 7



From: [UPS](#)
To: [Barbara Kassabian](#)
Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030319296008
Date: Thursday, September 21, 2023 1:08:54 PM



Hello, your package has been delivered.

Delivery Date: Thursday, 09/21/2023

Delivery Time: 1:07 PM

Signed by: ANCRI

CENTERLINE SITE ACQUISITION

Tracking Number:	1Z9Y45030319296008
Ship To:	AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 018011053 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	13687186

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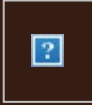
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From: [UPS](#)
To: [Barbara Kassabian](#)
Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030300294992
Date: Thursday, September 21, 2023 11:33:49 AM



Hello, your package has been delivered.

Delivery Date: Thursday, 09/21/2023

Delivery Time: 11:31 AM

Signed by: MULLEN

CENTERLINE SITE ACQUISITION

Tracking Number:	1Z9Y45030300294992
Ship To:	CITY PLANNER 185 SOUTH MAIN STREET 5TH FLOOR WATERBURY, CT 067061012 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	13687186

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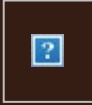
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From: [UPS](#)
To: [Barbara Kassabian](#)
Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030301095982
Date: Thursday, September 21, 2023 10:09:11 AM



Hello, your package has been delivered.

Delivery Date: Thursday, 09/21/2023

Delivery Time: 10:06 AM

Signed by: KEITH

CENTERLINE SITE ACQUISITION

Tracking Number:	1Z9Y45030301095982
Ship To:	WATERBURY CITY HALL BUILDING 235 GRAND STREET 2ND FLOOR WATERBURY, CT 067021915 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	13687186

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